

Owner's Handbook
for Vehicle



The Ultimate
Driving Machine



M5 Owner's Handbook for Vehicle

Congratulations on your choice of a BMW M5.

The better you are acquainted with your car, the easier you will find it is to handle. We would therefore like to offer you the following advice:

Please read the Owner's Handbook before setting out in your new BMW M5. It contains important notes on how to operate the car, enabling you to derive maximum benefit from the technical advantages of your BMW M5. It also contains useful information which will help you to uphold both the car's operating safety and its full resale value.

Supplementary information is provided in the other documents of on-board literature.

We wish you many a safe and enjoyable journey,
BMW AG

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The quickest access to a particular topic or item is by consulting the detailed alphabetical index, see page 199.

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Notes

About this Owner's Handbook

We have tried to make all the information in this Owner's Handbook easy to find. The quickest access to a specific topic or item is by consulting the detailed alphabetical index at the end. Consult the first chapter for an overview of your car.

When the time comes to sell your BMW, please remember to hand over this Owner's Handbook; it is an important part of the vehicle.

Additional sources of information

If you have any queries, BMW Service will be glad to advise you.

Information on BMW, e.g. on technical aspects, can also be found on the Internet on www.bmw.com.

Symbols used

 Indicates precautions that must be followed precisely in order to avoid the possibility of personal injury and serious damage to the vehicle.

 Indicates information that will assist you in gaining the optimum benefit from your vehicle and enable you to care more effectively for your vehicle.

 Refers to measures that can be taken to help protect the environment.

◀ Marks the end of a specific item of information.

* Identifies optional extras or specific national-market items of equipment, as well as equipment and functions not yet available at the time of printing.

"..." Identifies texts on the control display for selecting functions.

Symbol for components and assemblies

 Recommends that you study the relevant section of this Owner's Handbook in connection with a particular part or assembly.

Your individual vehicle

When you ordered your BMW, you chose various items of equipment. This Owner's Handbook describes all equipment available for the BMW M5.

This explains why the Owner's Handbook may also contain details of items which you have not ordered. The differences can easily be identified by the asterisk * shown against optional extras.

If your BMW contains equipment that is not described in this Owner's Handbook, Supplementary Owner's Handbooks will be supplied and you are requested to study and comply with them.

 In vehicles with right-hand drive, some of the controls are arranged differently from those shown in the illustrations of this Owner's Handbook. ◀

Status at time of printing

The high safety and quality standards of BMW vehicles are maintained by unceasing development work on designs, equipment and accessories. In rare instances, your car may therefore differ from the information supplied in the Owner's Handbook.

For your own safety

Maintenance and repair

 The advanced technology behind this car, for example the use of modern materials and high-performance electronics, means that specially adapted methods of maintenance and repair are required. Always have the necessary work on your BMW performed either by BMW Service or by a workshop that operates to BMW specifications and has suitably trained personnel. If such work is performed inexpertly, it could result in consequential damage and thus constitute a safety risk. ◀

Parts and accessories

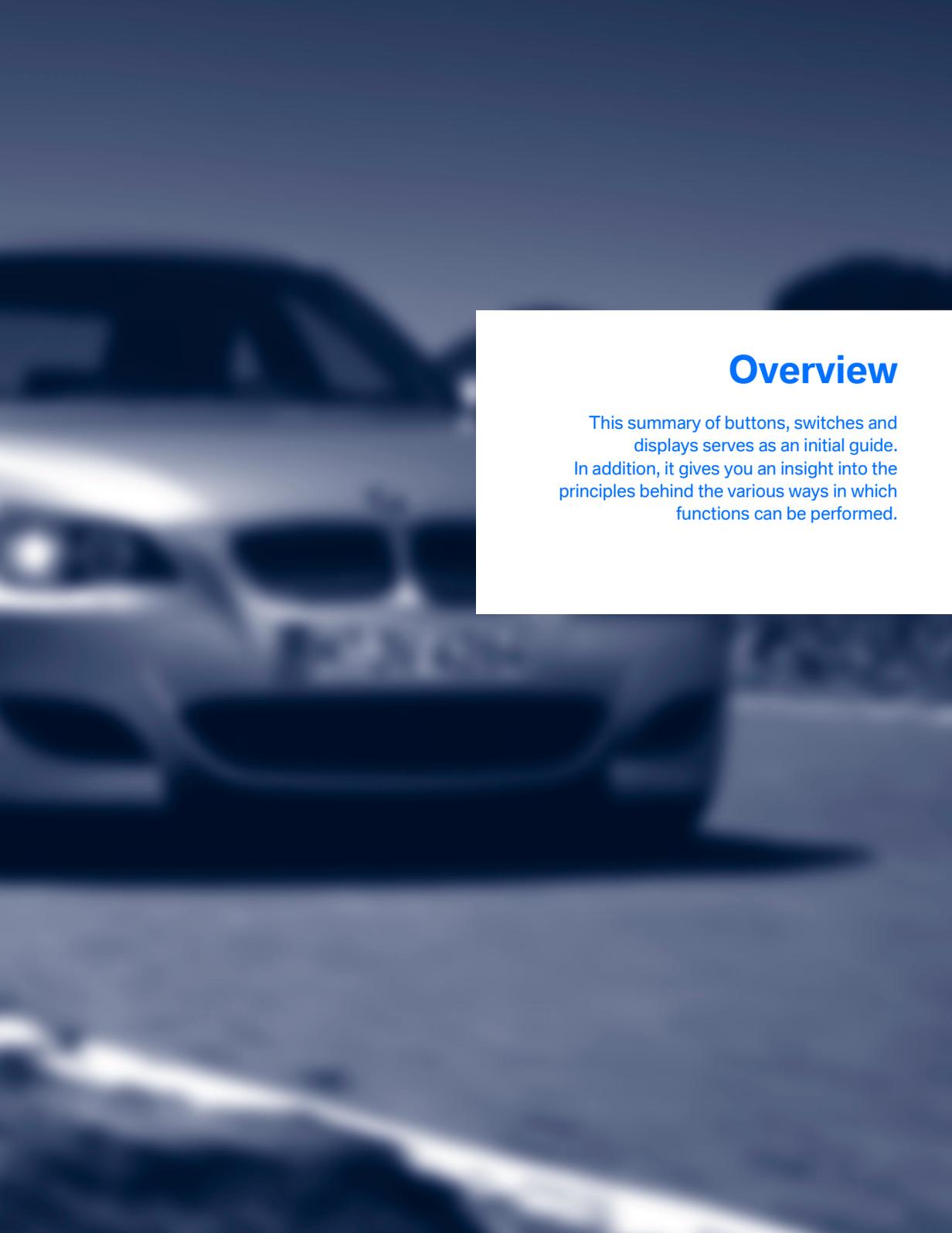
 BMW recommends using parts and accessory products on this vehicle that are specifically approved for this purpose by BMW.

You are recommended to consult BMW Service for advice on Genuine BMW parts and accessories, other BMW-approved products and competent advice on all related matters.

The safety, function and suitability of these parts and products have been checked by BMW. BMW accepts product liability for them. BMW cannot accept liability for parts or accessory products of any kind which it has not approved.

BMW is unable to assess each individual product of outside origin as to its suitability for use on BMW vehicles without safety risk. Nor can suitability be assured if an official permit has been issued for it in a specific country. Tests performed for such permits cannot always cover all operating conditions for BMW vehicles, and some of them therefore are insufficient. ◀



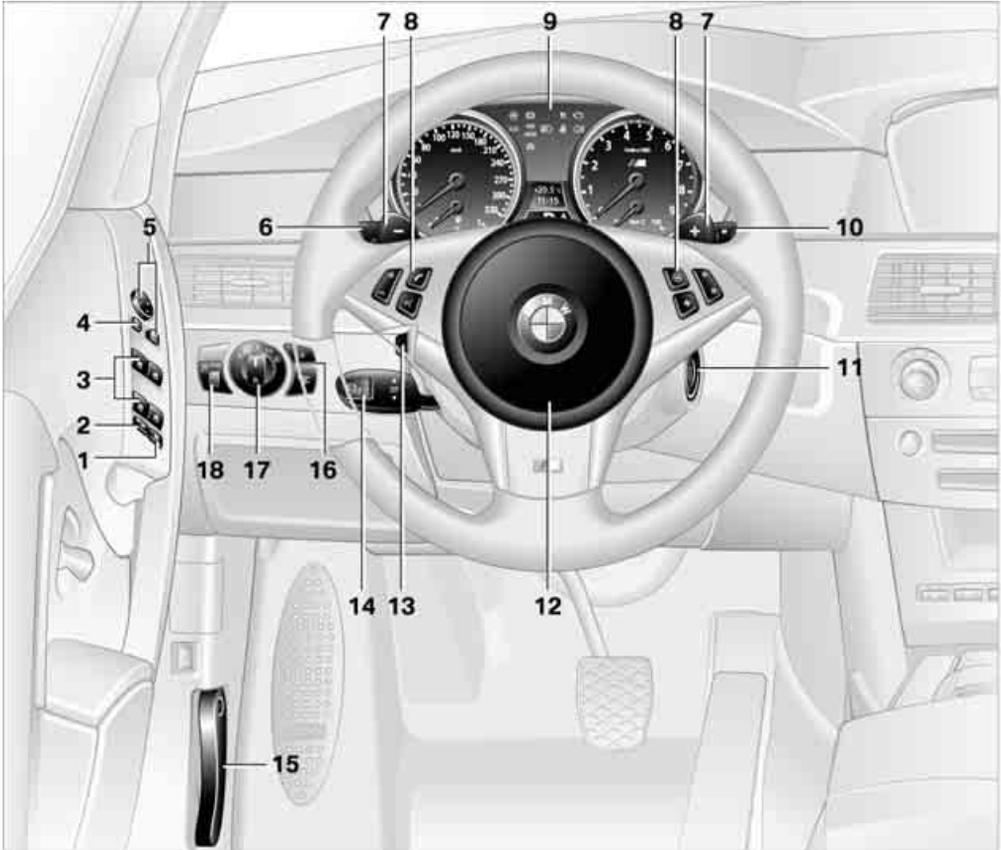
The background of the page is a blurred, blue-tinted image of a car, likely a sedan, viewed from a front-quarter perspective. The car is out of focus, with the headlights and front grille being the most prominent features. The overall color scheme is a deep, monochromatic blue.

Overview

This summary of buttons, switches and displays serves as an initial guide. In addition, it gives you an insight into the principles behind the various ways in which functions can be performed.

Driving area

Around the steering wheel: controls and displays



- 1 Roller sun blind* for rear window [88](#)
- 2 Safety switch for rear windows [33](#)
- 3 Opening and closing windows [32](#)
- 4 Folding outside mirrors in and out* [41](#)
- 5 Adjusting outside mirrors [41](#)

- 6  Flashing turn indicators [52](#)
-  High-beam headlights/headlight flasher [79](#)
-  Parking lights [79](#)
- CHECK Check Control [61](#)
- BC Computer [57](#)

7 Shift paddles 50

8 Buttons on the steering wheel



Telephone*:

- ▷ Press: receiving and terminating a call, starting dialling* for selected phone numbers
- ▷ Press for longer: redialling



Volume control



Activating/deactivating voice input system* 20



Forward/reverse: 128



▷ Radio
Press: changing radio station
Press for longer: manual station search or Scan automatic search

- ▷ CD
Press: selecting music track
Press for longer: fast forward/reverse

- ▷ TV*
Changing channel
- ▷ Telephone*
Press: selecting an entry from a list of phone numbers



MDrive, calling up individual settings 43



Individually programmable 42

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Windscreens wipers 53



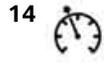
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11 Ignition lock 47

12 Horn, entire surface

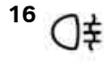


Steering wheel adjustment* 41



Cruise control* 54

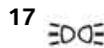
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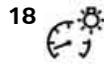
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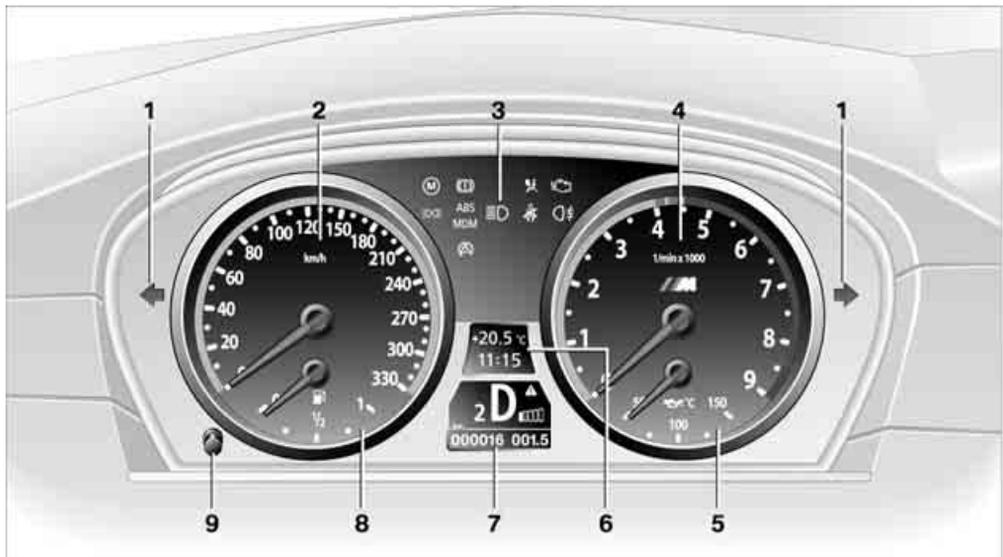


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Instrument cluster



- 1 Flashing turn indicators
- 2 Speedometer
- 3 Indicator and warning lights [11](#)
- 4 Revolution counter [56](#)
- 5 Engine oil thermometer [57](#)
- 6 Display for
 - ▷ Computer [57](#)
 - Engine oil level [168](#)
 - ▷ Indicator and warning lights [61](#)
 - ▷ Cruise control speed [55](#)
- 7 Display for
 - ▷ Sequential M Gearbox with Drivelogic [48](#)
 - ▷  Current Check Control message [61](#)
 - ▷ Distance recorder – odometer – and trip distance recorder [56](#)
 - ▷ Date and remaining distance to next Service [60](#)
- 8 Fuel gauge [57](#)
- 9 Zeroing trip distance recorder [56](#)

Indicator and warning lights

The principle



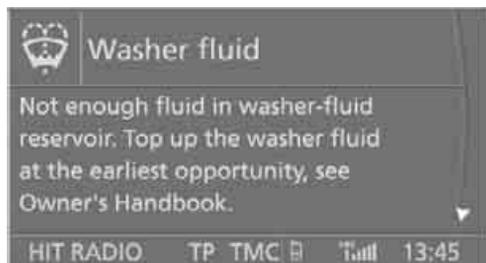
Indicator and warning lights may light up in a variety of colours and combinations both in the panel **1** and in the display **2**.

Some lights in the panel are checked for proper functioning and thus come on briefly when the engine starts or the ignition is switched on.

Explanatory text messages



Text messages appearing at the lower edge of the control display explain the meaning of the indicator and warning lights that have come on.



You can call up further information, e.g. on the cause of a fault and on what action is required, via the Check Control, see page [61](#).

If action is required as a matter of urgency, this information is flashed up as soon as the accompanying light comes on.

Indicator lights not accompanied by text messages

The following indicator lights in panel **1** indicate that certain functions have been activated or deactivated:



MDrive [43](#)



Handbrake applied [48](#)



Side lights/low-beam headlights [77](#)



M Dynamic Mode [69](#)



High-beam headlights/
headlight flasher [79](#)

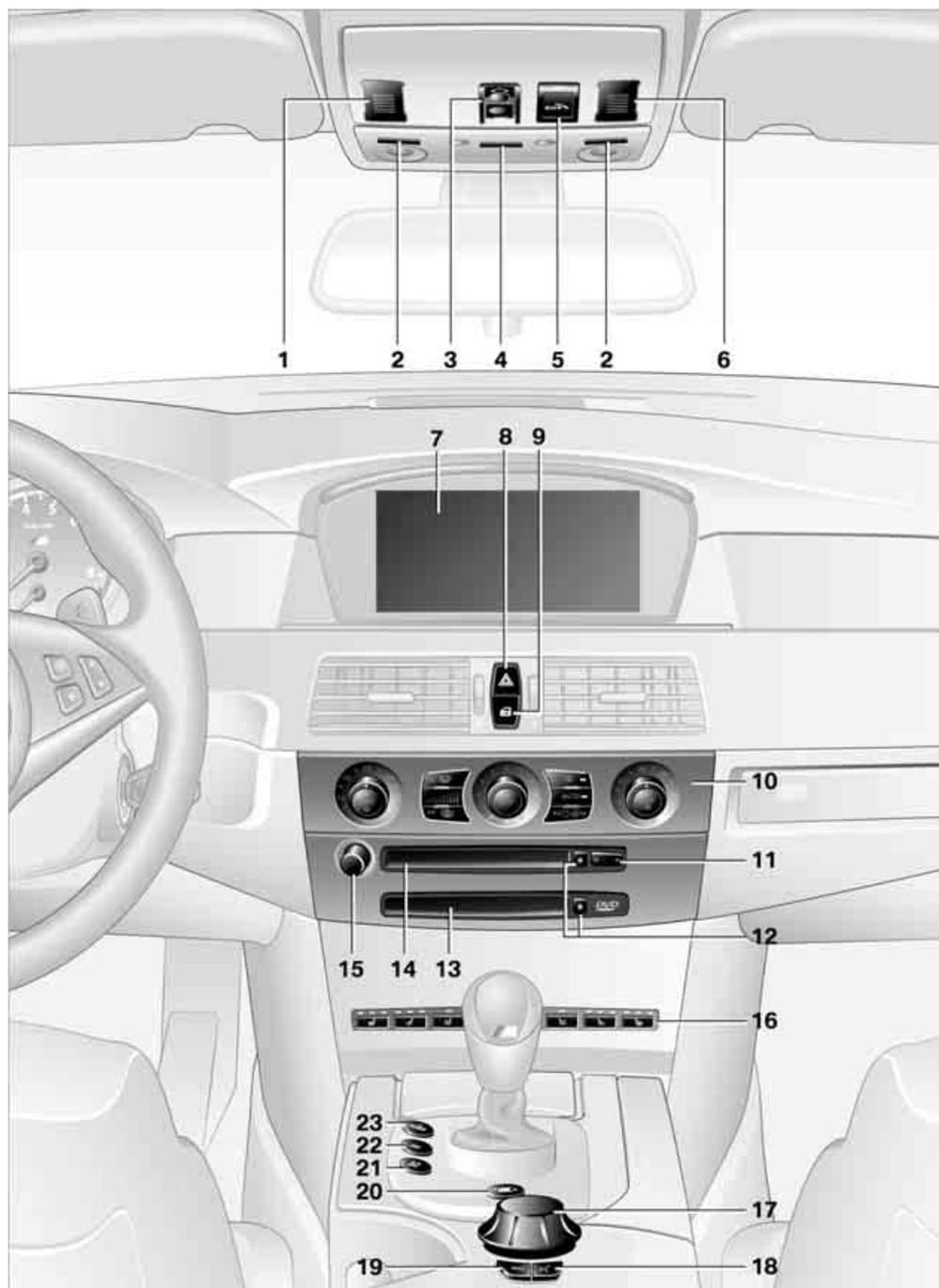


Rear fog lights* [79](#)



Light flashes:
DSC is regulating the propulsive
forces in order to maintain driving
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Around the centre console: controls and displays



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-  Automatic air distribution and volume 82
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-  Residual heat utilisation 83
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 - ▷ for radio stations 128
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- 12 Eject button for
 - ▷ Navigation DVD* 104
 - ▷ Audio CD 128
- 13 Drive for navigation DVD for Professional* navigation system 104
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 - ▷ Navigation DVD for Business* navigation system 104
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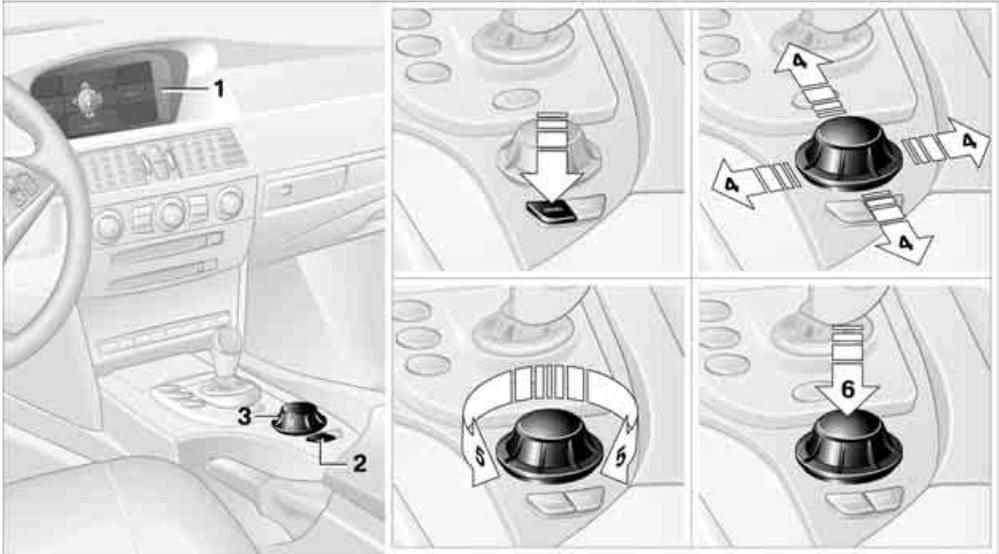
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iDrive integrates the functions of a large number of switches. These functions can now be controlled from one central point. The basic menu-guided operating principle is explained

below. Details of how to control individual functions are provided under the descriptions of the items of equipment concerned.

Controls



- 1 Control display
- 2 **MENU** button
To call up the start menu
- 3 Controller
You can select menu items and adjust settings with the controller:
 - ▷ Move it in four directions, arrow 4
 - ▷ Turn it, arrow 5
 - ▷ Press it, arrow 6

 Only make adjustments if the traffic conditions are sufficiently quiet or clear, so as not to endanger the car's occupants and other road users by being distracted. ◀

Menu summary

Communication

- ▷ Telephone*, see separate Operating Instructions
- ▷ BMW Assist* or TeleService*

Navigation or on-board information

- ▷ Navigation system*
- ▷ On-board information, e.g. to display the average fuel consumption

Entertainment

- ▷ Radio
- ▷ CD player and CD changer*
- ▷ TV*

Climate

- ▷ Air distribution
- ▷ Seat climate control*
- ▷ Automatic program
- ▷ Independent ventilation control

i menu

- ▷ Switching off control display
- ▷ Tone and display settings
- ▷ Traffic information settings
- ▷ Settings for your vehicle, e.g. for MDrive or settings for the central locking
- ▷ Display of maintenance requirements and dates of next statutory emissions test and vehicle inspection
- ▷ Settings for telephone

Operating principle

Start menu



All iDrive functions can be called up via five menu items.

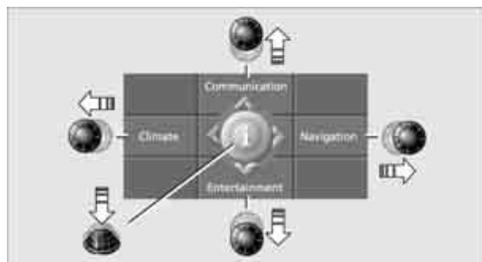
Calling up the start menu

Press the **MENU** button.

To call up the start menu from the **i** menu:

Press the **MENU** button twice.

Calling up menu items in the start menu



Ignition key from position 1, see page 47:

You can call up the four menu items Communication, Navigation, Entertainment and Climate via the start menu by moving the controller left, right, forwards or back. The menu last called up under each item is then displayed.

Press the controller to call up the **i** menu.

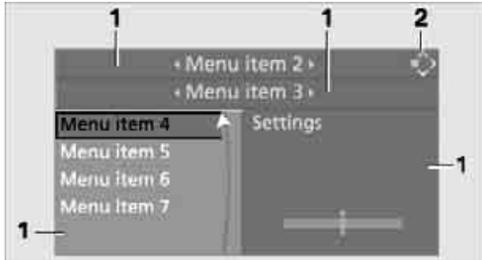
Convenient menu item selection

The convenient selection feature enables you to:

- ▷ Call up a menu item in the start menu in last configuration used
- ▷ Change directly between Communication, Navigation, Entertainment and Climate without needing to press the **MENU** button

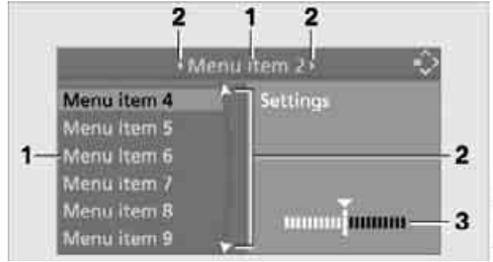
To do this, move the controller in the relevant direction and hold it in position for more than about 2 seconds.

Displays in the menu



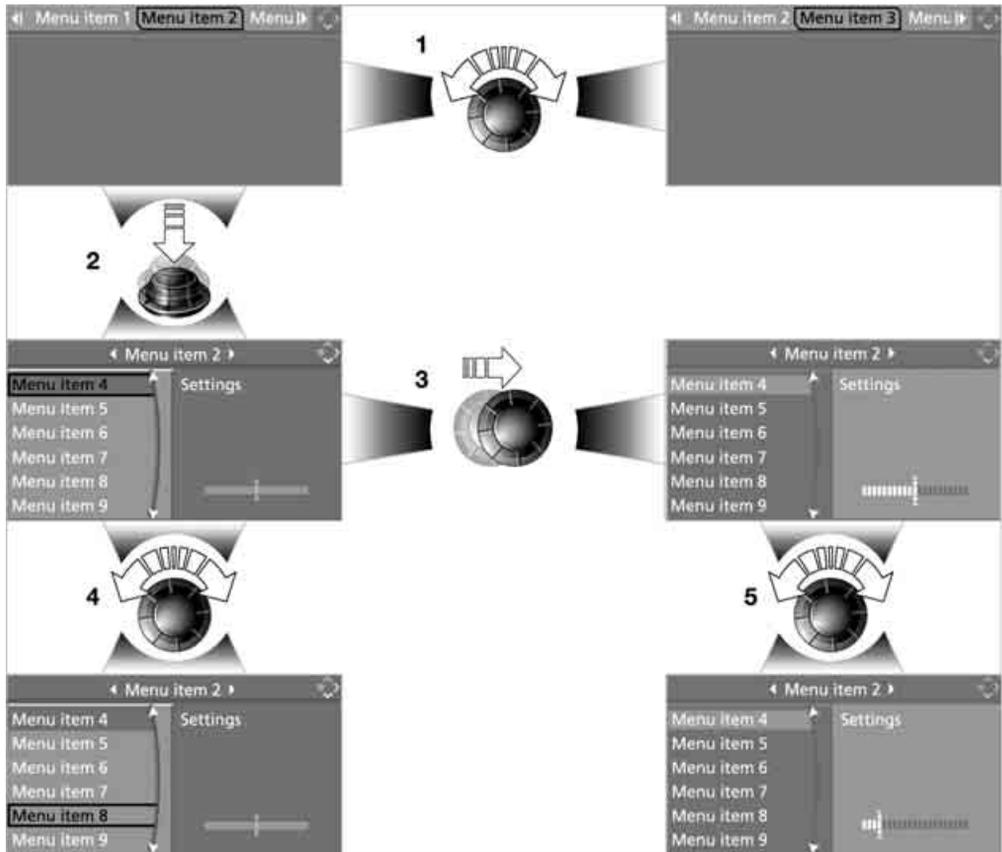
- 1 Each menu is subdivided into different fields. The field currently selected appears highlighted in the display.
- 2 A symbol shows you which menu item of the start menu was last selected:

-  Communication
-  Navigation or on-board information
-  Entertainment
-  Climate
-  i menu



- 1 Menu items are usually grouped in horizontal or vertical lists.
- 2 Arrows indicate that there are additional menu items within a list, but that they are not currently visible.
- 3 Settings are represented graphically or as numerical values.

Selecting menu items and performing adjustments



- 1 Select a menu item
- 2 Activate a menu item
- 3 Change between fields
- 4 Select a menu item
- 5 Adjust settings

Selecting a menu item

Turn controller: the marker moves. More menu items may appear. Menu items in white can be selected by marking them.

Activating a menu item

Press the controller: the menu item selected by marking is activated. New menu items are displayed or a function is performed.

Changing between fields

Briefly move the controller left, right, forward or back and release it: the field that is now active appears lighter and you can select the menu items it contains or adjust settings.

Adjusting settings

Turn controller: a graphic display, numerical values or text displays change. The setting is adopted when you change to another field or menu.

Status information



- 1 Display for:
 - ▷ Entertainment: Radio, CD, TV* or Entertainment sound output off
 - ▷ Telephone* in "Communication": Name of the connected phone, active BMW Assist service, network search or no network
- 2 Display for Traffic Programme*:
 - ▷ "TP": Traffic Programme switched on
 - ▷ "T": Traffic Programme is switched off but the selected radio station does broadcast traffic reports
 - ▷ No display: The radio station does not broadcast traffic reports
- 3 Display for traffic information*:
 - ▷ "TMC": Traffic information for the navigation system can be received and broadcasting is switched on
 - ▷ "Ti+": Traffic info + traffic information can be received and broadcasting is switched on
- 4 Calls not accepted*
- 5 Display for telephone:
 - ▷ Telephone* can be used
 - ▷ Flashing: e connection active
 - ▷ Reception strength of mobile phone network

6 Time

Other displays:

Status information is temporarily hidden during Check Control message displays or inputs via the voice input system*.

Assistance window*



Additional information can be displayed in the assistance window:

- ▷ The computer or journey computer*
- ▷ The arrow or map view for vehicles with navigation system*
- ▷ Your current position

Switching on assistance window:

Move the controller to the right to switch to the assistance window and press the controller.

Selecting display

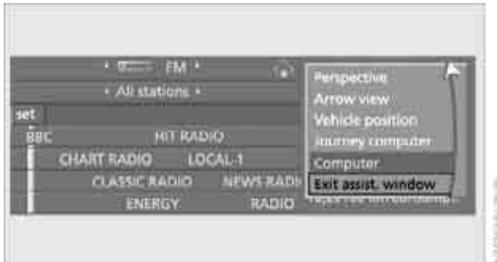
1. Move the controller to the right to change to the assistance window and press the controller.



2. Select a menu item.
3. Press controller.

Switching assistance window on/off

1. Move the controller to the right to switch to the assistance window and press the controller.
2. Select "Exit assist. window" and press the controller.



To turn back on, change to the assistance window and press the controller.

Switching control display on/off

1. Press the **MENU** button.
The start menu is called up.
2. Press the controller to call up the **i** menu.
3. Select "Display off" and press the controller.



Press the controller to switch on.

Voice input system*

The principle

The voice input system enables you to operate various items of equipment on your car without having to take your hands off the steering wheel.

Individual menu items on the control display can be selected by means of short commands. It is not necessary to use the controller to select them.

The voice input system translates your commands into control signals for the system in question, and prompts you by means of announcements or questions.

The voice input system includes a special microphone positioned near the interior mirror, see page 12.

Condition

Via iDrive, select the language in which the voice input system is operating, so that the spoken commands can be identified. Selecting the language for iDrive, see page 65.

Symbol in the Owner's Handbook

-  ›...‹ Say the commands marked with this symbol word for word.
 ››...‹‹ Identifies the replies by the voice input system.

Speaking commands

Activating voice input system

1. Press the  button in the centre console or on the steering wheel.



 This symbol on the control display and an acoustic signal indicate that the voice input system is ready to pick up commands.



2. Issue the command.
Text or digits as understood by the voice input system are shown on the control display.



 This symbol appears on the control display if you are able to give further spoken commands. If no further spoken commands are possible, continue by operating the item of equipment via iDrive.

Deactivating or interrupting voice input

Press the  button on the steering wheel or in the centre console

or

 ›Cancel‹

Spoken commands

Prompting with the spoken commands available

You can instruct the system to prompt you with a list of the spoken commands that are possible for whichever menu on the control display is selected.

To have the possible spoken commands read out to you:

 ›Options‹

For instance, if you have selected "CD", the spoken commands available for operating the CD player and CD changer* are read out:

Requesting help

 ›Help‹

Using alternative spoken commands

There are often several different commands available for performing the same function, e.g.:

 ›Information menu‹ or ›i menu‹

Calling up functions directly

Short commands enable you to perform certain functions straight away, irrespective of which menu item is selected, see page 194.

Calling up start menu

 ›Main menu‹

An example: selecting a music track

1. If necessary, switch on entertainment sound output.
2. Press the  button on the steering wheel or in the centre console.

 3. ›Entertainment‹
The system says:
››Entertainment‹‹



 4. ›CD‹
The system says:
››CD drive switched on‹‹



5. Press the  button on the steering wheel or in the centre console.
6. Select a music track, e.g.:
 - ›Track 1‹
 - The system says:
 - ››Track 1‹‹



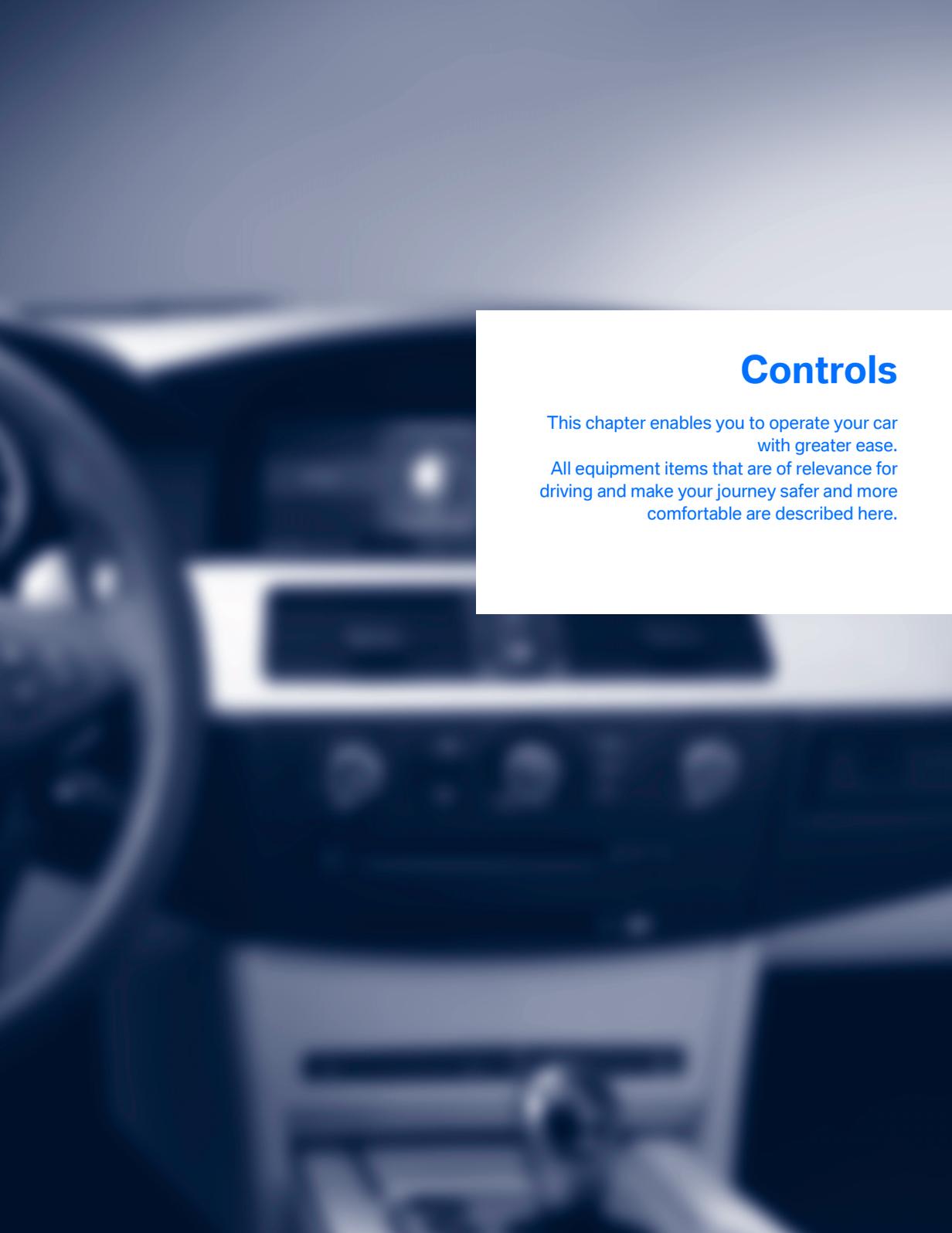
Notes

 Operation of the telephone by voice input, see also separate Operating Instructions. ◀

When speaking commands, note the following:

- ▷ Say the commands continuously and with your normal voice, and avoid unnatural emphasis and pauses between words.
- ▷ Always speak the commands in the language of the voice input system.
- ▷ When selecting a radio station, use the standard pronunciation of the station name.
- ▷ When making entries in the voice-activated phone book, use only names in the language of the voice input system, and do not use abbreviations.
- ▷ Keep doors, windows and the glass roof closed to avoid noise interference from outside the car.
- ▷ Avoid causing background noise in the car while you are speaking.



The background of the page is a blurred, blue-tinted image of a car's interior, showing the steering wheel on the left, the dashboard with a central display screen, and the center console with gear shift and handbrake.

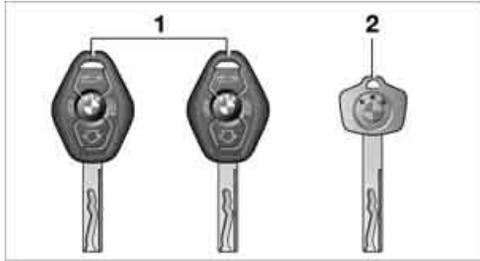
Controls

This chapter enables you to operate your car with greater ease.

All equipment items that are of relevance for driving and make your journey safer and more comfortable are described here.

Opening and closing

The set of keys



- 1 Each master key with remote control is powered by a long-life battery that is automatically recharged while the car is being driven. You should therefore use every master key at least twice a year to keep the battery charged. Depending on which master key is identified when the car is unlocked, various settings in the car are called up and established, see Key Memory further below.
In addition, information about service requirements is stored in the master key, see Condition Based Service CBS, page 172.
- 2 Spare key, to be kept in a safe place, for instance in a purse or wallet. This key will not operate the locks in the luggage compartment lid and the glove box. This is an advantage at hotels, for example. The key is not intended for regular use.

New keys

New keys, whether additional ones or replacements, are available from BMW Service.

Key Memory

How it works

You have probably wished at times that individual functions of your car could be individually selected or adjusted to suit your own personal preferences. When developing the car, BMW

therefore incorporated a number of freely programmable options into the car's design; you can adjust these as preferred via iDrive.

With the Key Memory, you can program up to four sets of basic settings for the use of four different persons. This presupposes that each person has his or her own master key with remote control.

The car identifies the key by means of data exchange when the car is unlocked, and performs the necessary adjustments.

What Key Memory includes

- ▷ When unlocking with the remote control, either the driver's door only or the entire car is unlocked, see page 27
- ▷ Locking the vehicle after a short time or after setting off, see page 29
- ▷ Assignment of the programmable function button on the steering wheel, see page 42
- ▷ MDrive settings, see page 43
- ▷ Settings shown on the control display:
 - ▷ Brightness of the control display, see page 64
 - ▷ Units of measurement for fuel consumption, distance, temperature and pressure, see page 65
 - ▷ Language on the control display, see page 65
 - ▷ 12 hour/24 hour mode of clock, see page 65
 - ▷ Date format, see page 66
- ▷ Drivelogic driving program in the sequential mode, see page 50
- ▷ Displaying optical warning for Park Distance Control PDC*, see page 67
- ▷ Selection and brightness of Head-Up Display*, see page 74
- ▷ Air distribution, temperature to upper body and intensity for automatic air conditioning, see page 83

- ▶ Adjusting spoken instructions for route guidance by navigation system*, see page 120

The last settings of the following items of equipment are in addition called up when the car is unlocked:

- ▶ Position of driver's seat, outside mirrors and steering wheel*, see page 37
- ▶ The volume and tone settings for audio and video sources, see page 129
- ▶ The display of memorised stations for the radio, see page 136

Central locking

The principle

The central locking becomes active when the driver's door is closed. The following are unlocked or locked in combination:

- ▶ Doors
- ▶ Luggage compartment lid
- ▶ Fuel filler flap

The central locking system can be operated from outside

- ▶ via the remote control
- ▶ via the door lock

and from the inside via the central locking button.

When operated from inside the car, the fuel filler flap is not locked*.

When operated from the outside, the deadlocks are engaged at the same time. This prevents the doors from being unlocked either at the safety lock buttons or door handles. The alarm system is also armed or disarmed. The inside light is in addition switched on and off with the remote control.

For further details of the alarm system, see page 31.

In the event of an accident of sufficient severity, the central locking is released automatically. The hazard warning flashers and the interior light are in addition switched on.

Opening and closing: from the outside

With the remote control

 To prevent unauthorised persons from gaining access to the remote control, hand over only the spare key to staff at a hotel or in a similar situation. ◀

 Persons remaining in the car or pets left inside can lock the doors from the inside. Take the remote control with you, so that the car can be opened from the outside. ◀

Unlocking

You can unlock the car with the  button, depending on its settings.

iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.



2. Press the controller to call up the **i** menu.
3. Select "Vehicle settings" and press the controller.
4. Select "Door locks" and press the controller.
5. Select "Central locking" and press the controller.
6. Select "Lock button" and press the controller.
7. Select a menu item:
 - ▶ "All doors"
Press  button once to unlock the entire vehicle.
 - ▶ "Driver's door only"
Press  button once to unlock only the driver's door and the fuel filler flap.

Press it twice to unlock the entire vehicle.



8. Press controller.

The setting is saved for the remote control currently in use.

Convenient opening

Hold button pressed. The windows and the glass roof are opened.

Locking

Press the LOCK button.

Do not lock the car when there is someone inside it, as it cannot then be unlocked from the inside. ◀

Convenient closing

Hold LOCK button pressed. The windows and the glass roof are closed.

Watch the closing movement to ensure that no-one is trapped. The movement is stopped when the button is released. ◀

Switching on the interior light

With the car locked, press the LOCK button. This function enables you to locate the car, for instance in a parking garage.

Opening luggage compartment lid

Press the button for about one second.

The luggage compartment lid opens, regardless of whether it was locked or unlocked.

The luggage compartment lid swings rearwards and upwards when opened. Make sure that there is sufficient clearance. If the luggage compartment lid was previously

locked, it will be locked again as soon as it is closed. ◀

Adjusting confirmation signals

You can also deactivate the optical confirmation signal for unlocking or locking.

1. Call up start menu.
2. Press the controller to call up the menu.
3. Select "Vehicle settings" and press the controller.
4. Select "Door locks" and press the controller.
5. Select "Confirmation" and press the controller.



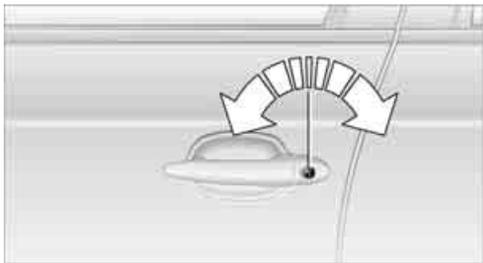
6. Select the desired signal.
7. Press controller.
 - The signals are switched on.

Malfunction

The remote control may malfunction as a result of interference from localised radio signals. If this occurs, unlock and lock the car at the door lock with a master key.

If the car cannot be locked with a remote control, the battery in the key is flat. Use this remote control when driving a relatively long distance to recharge its battery, see page 26.

Via the door lock



⚠ Do not lock the car from the outside when there is someone inside it, as it cannot then be unlocked from the inside. ◀

▶ On certain national-market versions, the alarm system* is triggered off if the car is unlocked via the door lock.

To switch off the alarm:

Unlock the car with the remote control, see page 27, or turn the master key to position 1 in the ignition lock. ◀

For further details of the alarm system, see page 31.

Convenient operation

The windows and the glass roof can also be operated via the door lock.

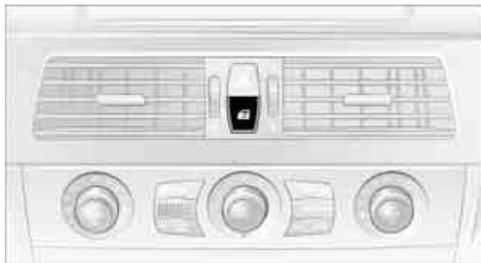
- ▶ To open:
When the door is closed, turn the key in the door lock to the unlocking position and hold it there.
- ▶ Closing:
When the door is closed, turn the key to the locking position and hold it there.

⚠ Watch the closing movement to ensure that no-one is trapped. The movement is stopped when the key is released. ◀

Manual operation

In the event of an electrical fault, you can lock and unlock the driver's door by turning the key to the limit positions in the door lock.

Opening and closing: from the inside



Doors and the luggage compartment lid are unlocked or locked, but not deadlocked, with this button when the front doors are closed. The fuel filler flap remains unlocked*.

You can in addition select the following settings:

- ▶ The central locking is engaged automatically after a short while if no door has been opened.
- ▶ The central locking is engaged as soon as you drive off.

iDrive, operating principle, see page 14.

1. Press **MENU** button.
The start menu is called up.



2. Press the controller to call up the **i** menu.
3. Select "Vehicle settings" and press the controller.
4. Select "Door locks" and press the controller.

- Select "Central locking" and press the controller.



- Select "Lock if no door opened" or "Lock after moving off".
- Press controller.
 - indicates that the setting is selected.

The setting is saved for the remote control currently in use.

Unlocking and opening

- Either use the central locking button to unlock all doors at once, then pull the door handle above the armrest, or
- at each individual door, pull the door handle twice: the first time to unlock the door, and the second time to open it.

Locking

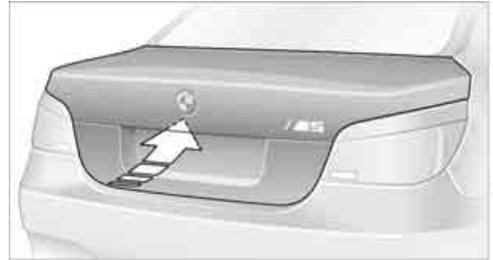
- Either lock all doors at the central locking button, or
- press down the safety lock button on the door in question. To avoid being shut out of the car accidentally, the driver's door cannot be locked with the safety lock button when it is open.

 Persons remaining in the car or pets left inside can lock the doors from the inside. Take the master key with remote control with you, so that the car can be opened from the outside. ◀

Luggage compartment lid

 The luggage compartment lid swings rearwards and upwards when opened. Make sure that there is sufficient clearance. ◀

Opening from outside



Press the button on the luggage compartment lid or press the  button on the remote control for approx. 1 second: the luggage compartment lid opens.

Closing

 To avoid injuries, ensure that the closing area of the luggage compartment lid is unobstructed. ◀

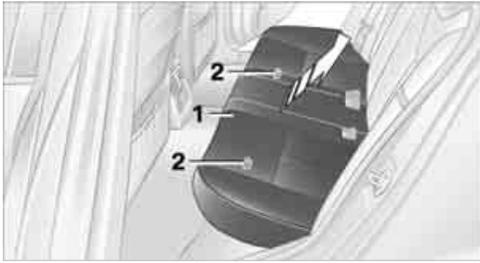


The recessed handles in the luggage compartment lid lining make it easier to pull the lid down.

Manual release

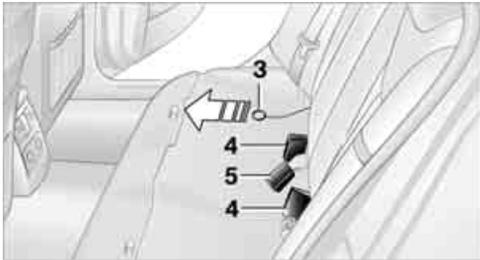
In the event of an electrical fault, you can release the luggage compartment lid manually.

- Take hold of the rear bench seat **1** at its front edge and lift it up out of the two mounts **2**. Take out the rear bench seat.



2. Pull the ring **3**. The luggage compartment lid is released and opens a short way.

 Only touch the ring of the emergency release device, otherwise there is a risk of injury. ◀



Installing the rear bench seat again:

1. Position the rear bench seat in the car. Guide the two outer belt buckles **4** through the bench seat and push the bench seat completely under the seat back. Guide the centre belt buckle **5** between the bench seat and seat back while doing this.

 Take care not to twist the retaining belt of the centre belt buckle, otherwise the correct functioning of this item of safety cannot be guaranteed. ◀

2. Press the rear bench seat down into the mountings at its front edge until it audibly engages.

Alarm system

The principle

The alarm system reacts if:

- ▷ A door, the engine compartment lid or the luggage compartment lid are opened
- ▷ There is any movement inside the car: interior movement detector, see further below
- ▷ The car's angle changes, for instance if an attempt is made to jack it up and steal the wheels or to raise it prior to towing away
- ▷ There is an interruption in the power supply from the battery

Depending on the national-market version of the car, the alarm system indicates unauthorised entry or tampering in different ways:

- ▷ Acoustic alarm sounds for approx. 30 seconds
- ▷ The hazard warning flashers* operate for approx. 5 minutes

Arming and disarming

Whenever the car is locked or unlocked, either with the remote control or at the door lock, the alarm system is armed or disarmed at the same time.

Even when the alarm system is armed, you can open the luggage compartment lid by means of the  button on the remote control, see page 30. When you subsequently close the luggage compartment lid it is again locked and monitored.

 Opening certain national-market versions via the door lock triggers off the alarm. ◀

Switching off alarm

- ▷ Unlock the car with the remote control, see page 27,
- ▷ or turn the ignition key to position 1, see page 47.

Indicator light displays



- ▷ The indicator light beneath the inside mirror flashes steadily: the system is armed.
- ▷ The indicator light flashes after the car has been locked: doors or the luggage compartment lid are not properly closed. Even if an item is not closed fully, the remaining items are deadlocked and the indicator light begins to flash steadily after 10 seconds. However, the interior movement detector is not activated.
- ▷ The indicator light goes out after the car has been unlocked: no attempt was made to tamper with the car during your absence.
- ▷ If the indicator light flashes after unlocking the car and until the key is inserted in the ignition, but for no longer than approx. 5 minutes: an attempt was made to tamper with the car.

Tilt alarm sensor and interior movement detector

Tilt alarm sensor

The vehicle's angle is monitored. The alarm is set off for instance if an attempt is made to steal the car's wheels or tow it away.

Interior movement detector

Before the interior movement detector can operate correctly, the windows and glass roof must be closed.

Avoiding false alarms

The tilt alarm sensor and the interior movement detector can be switched off together. This

prevents false alarms, e.g. in the following situations:

- ▷ In two-level garages
- ▷ When the car is being transported by autorail
- ▷ If pets are to remain inside the car

Switching off the tilt alarm sensor and interior movement detector

Press the **LOCK** button on the remote control again immediately after locking the car.

The indicator light comes on briefly, then continues to flash steadily. The tilt alarm sensor and interior movement detector are switched off until the car is next unlocked and locked.

Windows

 Observe the windows during the closing procedure, to avoid any injuries.

When leaving the car, remove the ignition key and close the doors, otherwise children could operate the windows and possibly injure themselves. ◀

Opening and closing windows



Ignition key from position 1, see page 47:

- ▷ Press the switch until the pressure point is felt:
The window is opened for as long as you press the switch.
- ▷ Press the switch beyond the pressure point:
The window opens automatically. Press the switch again to halt the opening movement.

Close the window similarly by pulling the switch.

After the ignition is switched off

You can still operate the windows:

- ▷ For a longer period with the ignition key in position 1
- ▷ For about 1 minute after the ignition key has been turned back to position 0 or with the ignition key removed

For convenient operation using the remote control or door lock, see page 28 or 29.

Trap protection

If the closing force of a window exceeds a specific value as it closes, the closing action is interrupted immediately and the window reopens slightly.

 Despite the trap protection function, make sure that the windows are not obstructed as they close; if this precaution is not taken, the risk remains that thin objects, for instance, could fail to interrupt the closing movement.

To restrict the trap protection function, pull the switch beyond its pressure point and hold it in position. In this instance, if the closing force exceeds a specific value the window is opened only a short way.

If the switch is pulled beyond the pressure point again within approx. 4 seconds and held in that position, the trap protection function is overridden. ◀

Safety switch



This enables you to prevent the rear door windows from being opened and closed at the switches in the rear seat area, for instance by children. When the safety function is switched on, the LED comes on.

 Press the safety switch when carrying children on the rear seat, otherwise careless closing of the windows could result in injury. ◀

Accessories near the windows

If you fit accessories within the window movement range, e.g. a clip-on aerial for your mobile phone, the system must be initialised to teach it the new conditions. BMW recommends that you have this work performed by BMW Service.

Glass roof, electric*

 Observe the glass roof during the closing procedure, to avoid any injuries. When leaving the car, remove the ignition key and close the doors, otherwise children could e.g. operate the roof and possibly injure themselves. ◀



Raising

Press the switch.

- ▷ If the glass roof is closed, it is raised and the sliding trim opens slightly.
- ▷ If the glass roof is open, it automatically moves to the raised position. The sliding trim remains fully open.

 Do not close the sliding trim forcibly with the roof in the raised position, as this could damage the mechanism. ◀

Opening, closing

- ▷ Slide the switch back as far as the pressure point. The glass roof and sliding trim open in

unison for as long as you hold the switch in position.

- ▷ Slide the switch back beyond the pressure point. The glass roof and sliding trim open automatically. Press the switch again briefly to halt the opening movement.

The glass roof is closed in the same way by sliding the switch forwards. The sliding trim remains open and can be closed manually.

For convenient operation using the remote control or door lock, see page 28 or 29.

Automatic opening and closing

Press the switch beyond the pressure point.

Further to this, the following movements are automated:

- ▷ When the roof is open, press the switch in the direction for raising: the roof moves to the fully raised position.
- ▷ When the roof is raised, press the switch in the direction for opening: the roof moves to the fully open position.

Pressing the switch again stops this movement.

Trap protection

If the glass roof encounters an obstruction during closing from approximately the centre of the roof aperture, or during closing from the raised position, the closing movement is interrupted and the glass roof is opened again slightly.

 Despite the trap protection function, make sure that the roof is not obstructed as it closes; if this precaution is not taken, the risk remains that thin objects, for instance, could fail to interrupt the closing movement. The trap protection function is overridden by pressing the switch beyond its pressure point and holding it in position. ◀

After a power failure

After a power failure, it is possible that the roof will only move to the raised position. The system must be initialised. BMW recommends that you have this work performed by BMW Service.

Manual operation

In the event of an electrical fault, you can move the glass roof manually:

1. Fold the cover down, possibly with the aid of the screwdriver from the toolkit, see page 174.



2. Insert the Allen key from the toolkit, see page 174, into the designated aperture. Turn the glass roof in the desired direction. To close, turn in the direction indicated by the arrow.



Adjusting

Safe seated position

A seated position that suitably reflects your requirements is a vital condition of relaxed driving with a minimum of fatigue. In conjunction with the seat belts, the head restraints and the airbags, the correct seated position also has a major influence on the passive safety of the car's occupants in the event of an accident. You should therefore observe the following notes in order to maintain the protective function of the car's safety systems.

For additional notes on carrying children in safety, see page 45.

Airbags

 Keep your distance from the airbags. Always grip the steering wheel on the rim, with your hands in the 3 o'clock and 9 o'clock positions, to minimise the risk of injury to the hands or arms in the event of the airbag being triggered off. No other persons, pets or objects should be held or permitted to remain between the airbag and yourself. Do not use the front airbag cover on the front passenger's side as a tray. Make sure that front passengers likewise adopt a correct seated position and do not rest their feet or legs on the instrument panel, otherwise they could sustain leg injuries in the event of the front airbag being triggered off. ◀

Even if all these instructions are complied with, certain injuries as a result of contact with the airbag cannot be entirely ruled out, depending on the circumstances in which an accident occurs. Occupants with sensitive hearing may be subject to brief and generally temporary impaired hearing caused by the ignition and inflation noise.

The locations of the airbags and additional notes are given on page 73.

Head restraints

Head restraints adjusted to the correct height reduce the risk of injuries to the neck in the event of an accident.

 Adjust the head restraint so that its centre is at approximately ear level, otherwise there will be an increased risk of injury in the event of an accident. ◀

Seat belt

All occupants should always fasten their seat belt before you set off. The airbags are a complementary safety feature and not a substitute for the seat belts.

 Never restrain more than one person with each seat belt. Babies or small children must not travel on the lap of another occupant. Pregnant women should also wear the seat belt, making sure that the strap in the pelvic area is well down on the hips and does not press on the abdominal region of the body. The seat belt must not pass across the neck, become trapped at any point or chafe against any sharp edges. The seat belt should not be twisted and must be positioned firmly over the pelvis and shoulder, as close to the body as possible. It should not pass over hard or fragile objects, otherwise the belt in the pelvic area could slide over the hips in the event of a head-on collision and injure the lower abdomen. Avoid wearing bulky clothing and regularly pull the belt in the upper-body area taut, otherwise its restraining effect could be impaired. ◀

Operating seat belts, see page 39.

Seats

Note before adjusting

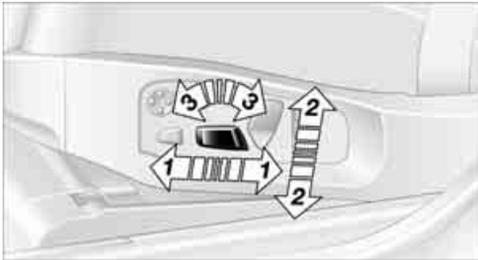
 Do not reposition the driver's seat while the car is in motion. The seat could move unexpectedly, leading to the driver losing control of the car, so that an accident could be

caused. Do not recline the driver's or front passenger's seat back too far, otherwise there will be a risk of sliding under the seat belt in an accident, so that the belt loses its protective effect. ◀

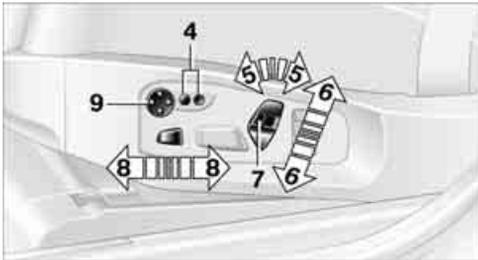
Observe also the notes on damaged seat belts on page 40 and on the active front head restraint on page 38.

Adjusting seat

 Comply with the adjusting instructions on page 35, or there may be a risk to your personal safety. ◀



- 1 Forward/back
- 2 Height
- 3 Angle



- 4 Backrest width
- 5 Seat back
- 6 Head restraint height
- 7 Shoulder support*
- 8 Thigh support
- 9 Lumbar support*

Shoulder support: The adjustable upper section of the seat back supports the shoulder area of the occupant's body. This results in a relaxed

seated position and reduces the load on the shoulder muscles.

Adjusting lumbar support*



The seat back contour can be altered to provide more support to the curved, lumbar section of the spine.

The upper edge of the pelvis and the spinal column are supported, to encourage an upright but relaxed seated position.

- ▶ To increase or reduce the curvature: press switch at front or rear edge.
- ▶ To move the curved section up or down: press switch at top or bottom.

Active backrest width adjustment*



First adjust the width of the backrest to a comfortable position, see further above. Using the selected backrest width as the basis, lateral support is automatically adapted to the current driving situation.

The extent to which the backrest is adjusted and the speed with which this takes place depend on the program. You can choose from three programs, ranging from comfortable to sporty.

Each press of the button changes between the programs:

- ▷ "Comfort" program: one LED
- ▷ "Normal" program: two LED
- ▷ "Sport" program: three LED

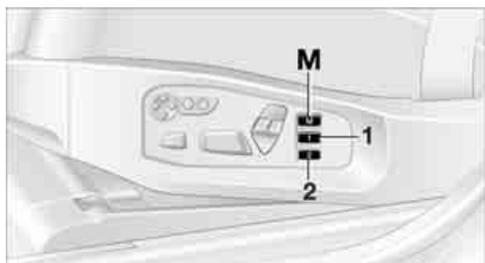
To switch off: press button for longer.

 You can also activate your preferred program for active backrest width adjustment of the driver's seat via the button on the steering wheel, see MDrive on page 43.

Easy entry/exit*

To facilitate entry and exit, the backrest width is temporarily opened fully.

Seat, mirror and steering wheel position memory



You can memorise and call up two different positions for the driver's and front passenger's seat*, the outside mirrors and the steering wheel.

The lumbar support setting is not stored in the position memory.

Memorising

1. Turn the ignition key to position 1 or 2, see page 47.
2. Select the desired seat, outside mirror and steering wheel positions.
3. Press the  button:
The LED in the button comes on.
4. Press the desired memory button **1** or **2**:
The LED goes out.

Calling up



Do not call up the memory while the car is in motion, otherwise an unexpected seat or steering wheel movement may cause an accident. ◀

Convenience function

1. Open the driver's door after unlocking it, or turn the ignition key to position 1.
2. Briefly press memory button **1** or **2** as desired.

The positioning movement is interrupted immediately if you briefly press a seat adjustment switch or one of the memory buttons.

Safety function

1. Close the driver's door and turn the ignition key to position 0 or 2.
2. Press memory button **1** or **2** as desired until the adjusting procedure has been completed.

If the  button was pressed accidentally: press the button again; the LED will go out.

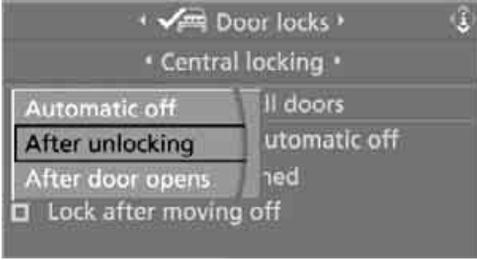
Position memorised in the key

The driver's seat, outside mirror and steering wheel position that you have selected is memorised in the remote control currently in use.

You can choose when the position is called up:

- ▷ Calling up when unlocking the car
 - ▷ Calling up when opening the driver's door iDrive, operating principle, see page 14.
1. Call up start menu
 2. Press the controller to call up the  menu.
 3. Select "Vehicle settings" and press the controller.
 4. Select "Door locks" and press the controller.
 5. Select "Central locking" and press the controller.
 6. Select "Last seat pos." and press the controller.

7. Select "After unlocking" or "After door opens".



8. Press controller.

To switch off the calling-up procedure: Select "Automatic off" and press the controller.

⚠ If this function is used, first make sure that the footwell behind the driver's seat is unobstructed. Otherwise persons could be injured or objects damaged if the seat should start to move towards the rear. ◀

Passenger-side mirror tilt-down

Parking position

Activating

1. Slide mirror changeover switch to position for driver's mirror 1.



2. When reverse gear or selector lever position R is engaged, the mirror glass on the passenger's side is tilted down slightly. The road surface close to the car, e.g. the kerb, is then brought within the driver's field of view in the mirror, for instance while parking the car.

Deactivating

Slide mirror changeover switch to position for front passenger's mirror 2.

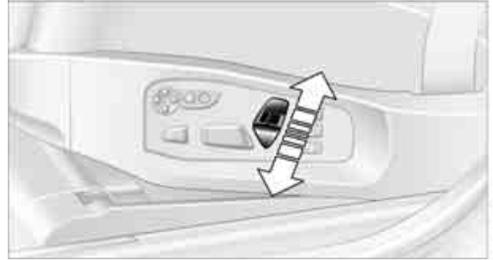
▶ The parking position function is switched off if you are towing a trailer. ◀

Head restraints

Head restraints adjusted to the correct height reduce the risk of injuries to the neck in the event of an accident.

⚠ Adjust the head restraint so that its centre is at approximately ear level, otherwise there will be an increased risk of injury in the event of an accident. ◀

Front seats: adjusting height



You can adjust the height of the head restraint electrically.

Front seats: adjusting angle

Tilt the head restraint as required.

You adjust the distance between the head restraint and the back of your head via the shoulder support*.

Front head restraint, active*

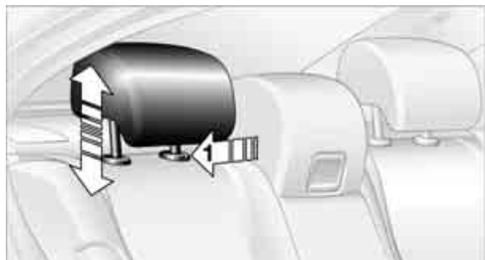
Seats with a shoulder support* are equipped with an active head restraint.

In the event of a sufficiently serious rear-end collision, the active head restraint reduces the distance between itself and the head.

⚠ Note the following instructions in order to ensure that the protective function of the active head restraints is not adversely affected or personal safety restricted:

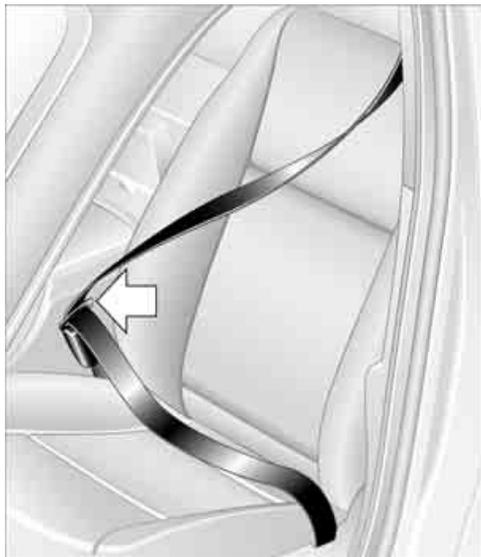
- ▷ Do not fit any covers on the seats or head restraints.
- ▷ Do not suspend any objects such as coat hangers from the head restraints or attach any accessories to the seats or head restraints. ◀

Rear seats: adjusting height



Up: pull.

Down: press the button **1** and push the head restraint down.



Fastening

The seat belt buckle must be heard to engage.

Seat belts

 Comply with the notes on page 35, or there may be a risk to your personal safety. ◀

All occupants should always fasten their seat belt before you set off. The airbags are a complementary safety feature and not a substitute for the seat belts.



The indicator light comes on and an acoustic signal sounds. In addition, a message will appear on the control display. Please check whether the seat belt is fastened correctly.

The seat reminder is issued as long as the driver's seat belt has not been fastened. On certain national-market versions, the belt reminder is also activated at road speeds above approx. 8 km/h (5 mph) if the front passenger's seat belt is not fastened, if heavy objects are placed on the front passenger seat, or if driver or front passenger unfasten their seat belts.

Opening

1. Hold onto the belt.
2. Press the red button on the belt buckle.
3. Guide the belt back up to the reel.

The upper belt anchorage is suitable for adults of any stature as long as they are sitting correctly, see page 35.

The two seat belt buckles integrated into the rear seat are intended for the left and right seat occupants. The buckle marked CENTER is only to be used by a person occupying the centre rear seat.

Damaged seat belts

 If exposed to loads in an accident or damaged in any other way, have the belt system including belt tensioners and any child restraint systems renewed and the belt anchorage checked. Have this work performed only by BMW Service or by a workshop that operates to BMW specifications and has suitably trained personnel, otherwise the correct functioning of this safety equipment is not guaranteed. ◀

Heated seats*

Front



Press once per temperature stage. Three LEDs indicate the highest preset temperature.

To switch off: press the button for longer.

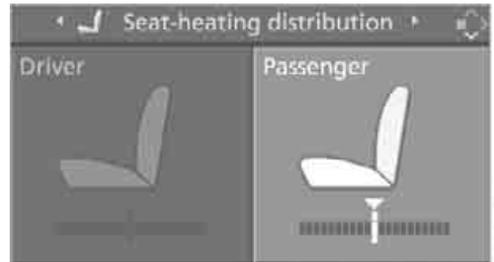
Temperature distribution

The temperature distribution between the seat cushion and seat back can be varied.

iDrive, operating principle, see page 14.

1. Call up start menu.
2. Move the controller to the left to call up "Climate".
3. Select "Seat-heating distribution" and press the controller.

4. Move the controller to the left or right to select "Driver" or "Passenger".



5. Turn the controller. The setting is adopted; you can now change to another field.

Rear



Function as for heated front seats, two temperature stages.

Active seat ventilation*



Press once per ventilation stage.

To switch off: press the button for longer.

 The highest stage with three LEDs lit is for a rapid cooling effect, e.g. if the car's interior has become very hot. ◀

Mirrors

Outside mirrors mirrors

The outer mirror sections display a larger field of view, though slightly distorted*, than the inner sections. In this way, the view to the rear is extended and the blind spot, as it is known, is reduced in size.

 The mirror on the passenger's side is more convex than the mirror on the driver's side. Reflected objects are closer than they appear. This makes it more difficult to estimate the distance at which another vehicle is following you. This also applies to the outer mirror sections. ◀



- 1 Adjusting
- 2 Changing over to the mirror on the other side or to the automatic parking function, see Passenger-side mirror tilt-down, page 38
- 3 Folding mirrors in and out*

To memorise mirror positions, see Seat, mirror and steering wheel position memory, page 37.

Adjusting manually

The mirrors can also be adjusted manually if necessary by pressing the edge of the glass.

Folding mirrors in and out*

Up to a speed of approx. 30 km/h (20 mph) you can fold the mirrors in and out alternately by pressing button 3. This can for example be useful in car washes or narrow streets, or for instance to fold the mirrors back out into the correct position after they have been folded in manually. If the mirrors have been folded in,

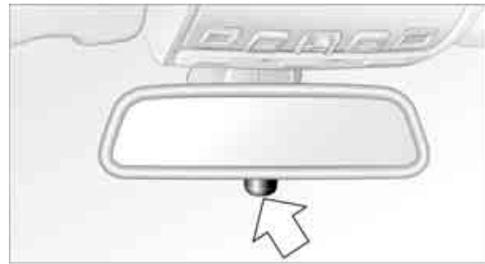
they automatically fold out again when a speed of approx. 40 km/h (25 mph) is reached.

 Before putting the car through a car wash, fold the mirrors in either manually or by pressing button 3, otherwise they could be damaged on account of the vehicle's width. ◀

Automatic heating

Both outside mirrors are automatically heated with the ignition key in position 2.

Inside mirror



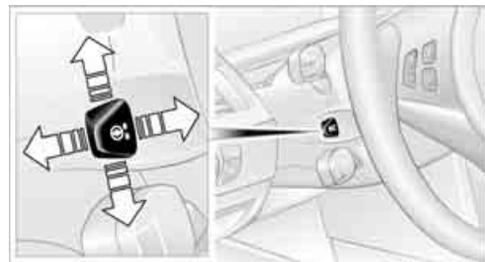
To reduce glare from following vehicles after dark, turn the knob.

Automatic-dim mirrors, see page 97.

Steering wheel

Adjusting

 Do not adjust the steering wheel while the car is in motion, otherwise unexpected movement of the steering wheel may cause an accident. ◀



The steering wheel can be adjusted in four directions.

To memorise steering wheel position, see Seat, mirror and steering wheel position memory, page 37.

Easy entry/exit*

To facilitate entry and exit, the steering wheel temporarily moves to its highest position.

Programmable button on the steering wheel



You can program the button with a function of your choice.

iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.



2. Press the controller to call up the **i** menu.
3. Select "Vehicle settings" and press the controller.

4. Select "Steering wheel button" and press the controller.



A list showing various functions is displayed:

- ▷ "Voice output of nav. system"
Spoken instructions for the navigation system*
- ▷ "Air circulation on / off"
Permanently shutting off the entry of outside air, see Automatic Air Recirculation Control AUC on page 82
- ▷ "Mute on / off"
To mute the audio sources
- ▷ "Display on / off"
To switch the control display on/off
- ▷ "Telephone list"
To change between entertainment and telephone
- ▷ "Next entertainment source"
To change the audio source

5. Select the desired function and press the controller.

The setting is saved for the remote control currently in use.

Operating a function

Press button on the steering wheel.

Spoken instructions for the navigation system*:

- ▷ Switching spoken instructions on/off: press button for longer.
- ▷ Repeating the last spoken instruction: press the button.

- ▶ With Business navigation system, interrupting spoken instructions during an announcement: press the button.

MDrive

MDrive enables you to configure several individual settings for your vehicle on the control display and simultaneously activate them via the  button on the steering wheel.

Configuring setting

With the ignition key in position 2, you can adjust the MDrive settings on the control display.

iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.



2. Press the controller to call up the **i** menu.
3. Select "Vehicle settings" and press the controller.
4. If necessary move the controller forwards until the marker is in the upper section. Turn the controller until "MDrive" is selected and press the controller.



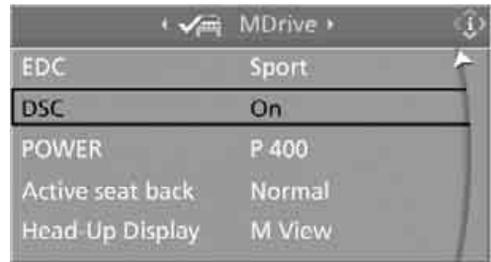
The functions covered by MDrive are displayed:

- ▶ "SMG Drivelogic"
Sequential M Gearbox with Drivelogic: Gearshift modes and Drivelogic driving programs, see page 50
- ▶ "EDC"
Programs for Electronic Damping Control, see page 70
- ▶ "DSC"
Dynamic Stability Control and M Dynamic Mode, see page 68
- ▶ "POWER"
Programs for M Engine Dynamic Control, see page 52
- ▶ "Active seat back"*
Programs for active backrest width adjustment, see page 36
- ▶ "Head-Up Display"*
Views of the Head-Up Display, see page 74

You can reset all settings for MDrive to their default settings:

- ▶ "Reset to default"

5. Select the desired function.



6. Press controller.

- Turn the controller to select the desired setting.



"Unchanged" retains the current setting made independently of MDrive.

- Press controller.

The setting is saved for the remote control currently in use.

Activating settings

Press the  button on the steering wheel.

 The indicator light in the instrument cluster comes on. The settings performed on the control display for the functions covered by MDrive are active.

Pressing the button a further time deactivates MDrive.

 If the indicator light flashes after the button has been pressed, MDrive has been unable to respond as the Anti-lock Brake System ABS or Dynamic Stability Control DSC is currently regulating the vehicle's stability. Press  button a further time if the indicator light no longer flashes. ◀

Even with MDrive activated, you can modify individual settings independently of MDrive, e.g. via the buttons in the centre console. To activate all settings made on the control display for MDrive again: press the  button twice.

Carrying children in safety

Important considerations

All the seats in your BMW, except for the driver's seat, are in principle suitable for the installation of universal child restraint systems for all age groups, provided these have been approved for the age group in question.

Always carry children at the rear

 Children under 12 or smaller than 150 cm (approx. 5 feet) should always travel at the rear using suitable child restraint systems, otherwise there is a greater risk of injury in the event of an accident. ◀

Exception for the front passenger's seat

 If you nevertheless need to fit a child restraint system on the front passenger's seat, the front passenger's airbags must be deactivated, otherwise a child travelling on that seat will be at considerable risk of injury if the airbags are triggered off, even if it is wearing a child restraint system. BMW Service will be pleased to advise you on this. ◀

Active backrest width adjustment*

 The backrest width adjustment feature of the front passenger's seat must be fully extended. After the child's seat has been installed, no memory position may be called up and the active backrest width adjustment feature must be deactivated, to avoid the risk of injury. ◀

1. After unlocking the vehicle, sit in the front passenger's seat and close the door.
2. Adjust backrest width to widest position, see page 36.
3. Deactivate active backrest width adjustment, see page 36.
4. Fit the child's seat.

Fitting child restraint systems

BMW Service can supply suitable child restraint systems for every age and weight category.

 When selecting, installing and using child restraint systems, observe the manufacturer's instructions, as the protective effect could otherwise be impaired. Following an accident, have all components of the child restraint system and the seat belt that was used to secure it checked by BMW Service and renewed if necessary. Always have this work performed either by BMW Service or by a workshop that operates to BMW specifications and has suitably trained personnel. ◀

ISOFIX* child seat mountings

 For details of how to install the ISOFIX child seat mountings, please consult the separate operating and safety instructions supplied by the system's manufacturer. ◀

Access to the mountings on the rear seat without through-loading system

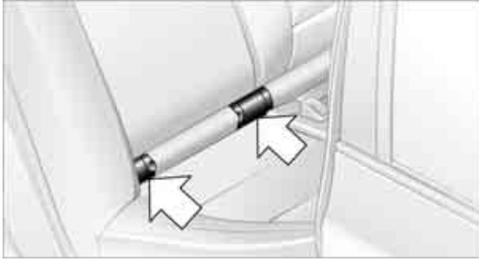


The illustration shows the rear left seat by way of an example.

The ISOFIX child seat mountings are located at the points marked with the arrows, which are not visible from the outside.

Before fitting the ISOFIX child seat mountings, pull the belt away from the area of the mountings.

Access to the mountings on the rear seat with through-loading system



The illustration shows the rear right seat by way of an example.

The ISOFIX child seat mountings are located beneath the caps.

Before fitting the child seat mountings, remove the ISOFIX cover caps and pull the belt away from the area of the mountings.

Safety switch for window lifts

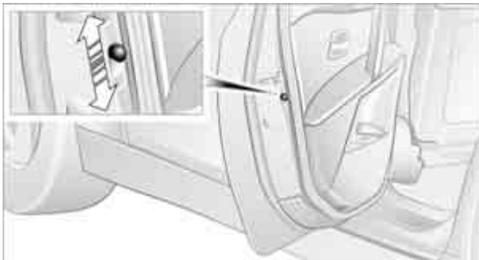
Press the safety switch for the window lifts, see page 33, if children are travelling on the rear seat.

When driving with children

⚠ If your car has rear side airbags, do not allow children travelling in child seats to lean out towards the door trim, as serious injuries could occur if the side airbags were to be triggered off. ◀

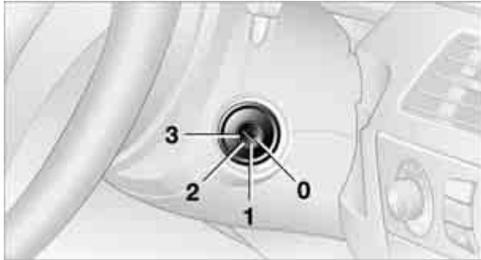
You can have the side airbags at the rear disabled. BMW Service will be pleased to advise you on this.

Child safety catches in rear doors



Push down the locking lever on the rear doors: The door in question can now only be opened from the outside.

Ignition lock



0 Steering locked

The key can only be inserted and removed in this position.

After removing the key, turn the steering wheel slightly until the steering lock engages.

1 Steering released

A slight movement of the steering wheel often makes it easier to turn the ignition key from position 0 to 1.

Individual systems are ready to operate.

2 Ignition switched on

All systems are ready to operate.

3 Starting the engine

Starting the engine

 Never run the engine in enclosed spaces, as inhaling the harmful exhaust gas can lead to loss of consciousness with fatal consequences. The exhaust gas contains carbon monoxide, which is colourless and odourless, but highly toxic. Do not leave the car unattended with the engine running, as this constitutes a hazard.

Before leaving the car with the engine running, move the selector lever to position N and apply the handbrake, otherwise the car could start to move. ◀

Do not press the accelerator pedal while starting the engine.

Do not warm up the engine with the car at a standstill; it is preferable to set off straight away, driving at moderate engine speeds.

Your BMW M5 is equipped with a convenient-starting feature. It is sufficient to turn the ignition key briefly to position 3, then release it straight away. The starter is then operated automatically for a certain time, and operation likewise ceases automatically as soon as the engine has started.

1. Press the footbrake.
2. Engage selector lever position N.
3. Start the engine.



If the engine does not start, engage the selector lever position last selected again, see details on the display in the instrument cluster or the selector lever itself. Then engage position N.

It is not possible to drive off with the engine compartment lid open. ◀



Avoid starting, stopping and restarting the engine in rapid succession or repeated attempts to start the engine if it does not fire, otherwise unburned or only partially combusted fuel could reach the catalytic converter, which could overheat and be damaged as a result. ◀

Stopping the engine



Do not remove the ignition key while the car is moving, otherwise the steering lock will engage when the steering is turned. When leaving the car, remove the ignition key and lock the steering. When parking on an incline, apply the handbrake, otherwise the vehicle could roll away. ◀

1. Engage a drive position.
2. Turn the ignition key to position 1 or 0. A signal sounds if position N is engaged when

the engine is switched off and the handbrake is not applied.

Handbrake

The handbrake is primarily intended for preventing a stationary vehicle from rolling away, and acts on the rear wheels.

Indicator light



If the indicator light comes on and an acoustic signal in addition sounds when you drive off, the handbrake is applied.

Applying

The lever engages automatically.

Releasing



Raise slightly, press the knob and move the lever down.

⚠ If exceptionally it is necessary to use the handbrake while on the move, do not apply it too firmly. Keep the knob on the lever held in all the time. Too violent an application of the handbrake could overbrake the rear wheels and cause the rear of the car to skid. The brake lights do not come on when the handbrake is applied. ◀

▶ To prevent corrosion or an imbalance between the brakes on the right and left side, apply the handbrake lightly from time to time when coasting to a standstill, provided that it is safe to do so. ◀

Sequential M Gearbox with Drivelogic

The principle

The Sequential M Gearbox, SMG, with Drivelogic is an automated gearbox on which clutch operation and gearshifts are performed by an electro-hydraulic system.

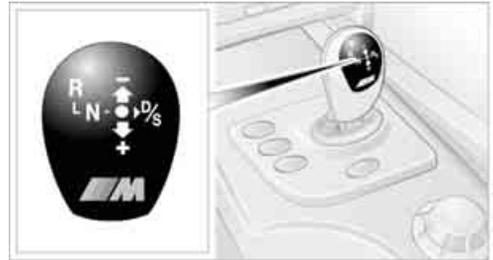
You operate the Sequential M Gearbox via the selector lever in the centre console and two shift paddles on the steering wheel.

It offers you the following functions:

- ▶ The choice of manual or automated operation: Sequential mode or Drive mode
- ▶ A choice of two driving programs, Drivelogic, see page 50
- ▶ Shift lights, see page 51
- ▶ Automatic downshifts and protection against gearshifting errors, including in the Sequential mode
- ▶ Launch Control acceleration assistant, see page 51
- ▶ Automatic throttle blip

The Sequential M Gearbox is operational with the ignition key in position 2.

Selector lever positions



You will see the current selector lever position on the selector lever.

- ▶ R: Reverse
- ▶ N: Neutral

- ▷ ●: Forward travel position:
 - ▷ +: manual upshifting
 - ▷ -: manual downshifting
 - ▷ D/S: to change between the Drive mode and the Sequential mode

Shiftlock

Before moving the lever away from N with the vehicle stationary, first depress the footbrake, otherwise the desired gearshift will not be performed.

R Reverse

Engage this gear only when the car is standing still.

N Neutral

Always engage this position before starting the engine.

If necessitated by the driving situation, e.g. when downshifting on a slippery road, the Sequential M Gearbox automatically disengages and re-engages the clutch, i.e. engaging neutral manually is not necessary.

S Sequential mode

You shift up and down via the shift paddles or the selector lever, without needing to take your foot off the accelerator.

It is also possible to move off in second gear on flat roads, e.g. in slippery conditions.

D Drive mode

In the Drive mode, all forward gears are changed automatically.

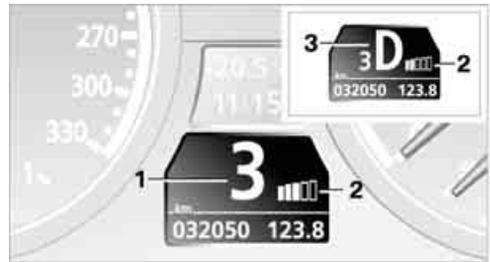
Every time the engine is started, the Drive mode is active when you press the selector lever to the right in forward travel position ● with the brake depressed.

To change over from the Drive to the Sequential mode: press the selector lever to the right in direction D/S or change gear using the shift paddles or the selector lever.

To change back to the Drive mode: press the selector lever to the right again in direction D/S.

Kick-down: to accelerate rapidly, e.g. for overtaking manoeuvres, press the accelerator down fully. You achieve maximum acceleration.

Displays in the instrument cluster



- 1 Selected gear 1 to 7
- 2 Selected driving program, corresponds to the number of sections lit, see Drivelogic, page 50
- 3 The current gear is displayed in the Drive mode, followed by a D

▶ If the gear indicator flashes while the engine is running, the driver's door or engine compartment lid is open. If you open the driver's door with the engine running and do not operate the pedals, shift paddles or selector lever, N is engaged automatically after a few seconds. If the engine compartment lid is open, N is likewise engaged and you will be unable to drive off. In these instances, close the driver's door or engine compartment lid and move the selector lever first to position N, then to the forward travel position. ◀

Gear changes

Via the selector lever

- ▷ To shift up, pull the selector lever back.
- ▷ To shift down, push it forwards.

Via the shift paddles on the steering wheel



- ▷ To shift up, briefly pull the right-hand shift paddle +.
- ▷ To shift down, briefly pull the left-hand shift paddle -.

In the following situations, the Sequential M Gearbox anticipates your intentions when in the Sequential mode:

- ▷ Upshifts and downshifts are performed only at a suitable engine or road speed; for example, the gearbox cannot shift down if the resulting engine speed would be too high.
- ▷ When you bring the car to a halt, first gear is selected automatically.
- ▷ Shortly before you reach the minimum speed for the gear that is selected, the gearbox shifts down without any action required on your part.

Drivelogic

Drivelogic provides you with various driving programs.

In the Drive mode:

There are five driving programs to choose from, ranging from relaxed 1 to sporty/highly dynamic 5. In the first driving program, the car moves away in second gear provided the catalytic converter is at operating temperature; this is recommended in wintery road conditions when driving on ice and snow.

In the Sequential mode:

You can choose from six driving programs, ranging from balanced dynamic 1 to pure sporty 6.

Driving program 1 is activated each time the engine is started.

The pure sporty driving program 6 is only available with Dynamic Stability Control DSC switched off, see page 68. When DSC is switched on, the driving program is changed from 6 to 5.

- ▷ To maintain dynamic stability, drive with DSC switched on at all times if possible. ◀

Each time you change between the Sequential and Drive modes, the driving program last selected in the mode you have just entered will be active. Exception: if the sequential driving program 6 was the last one selected, program 5 is activated instead.

Selecting driving program via button in the centre console



Press the button as often as necessary until the desired driving program is displayed in the instrument cluster, see page 49.

Selecting driving program via buttons on the steering wheel

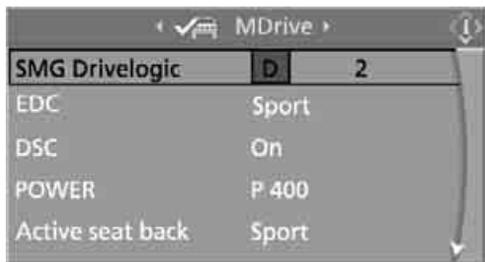
You can also activate your preferred driving program via the button on the steering wheel, see MDrive on page 43.

With the ignition key in position 2, you can adjust the MDrive settings on the control display.

iDrive, operating principle, see page 14.

1. Call up start menu.
2. Press the controller to call up the **i** menu.
3. Select "Vehicle settings" and press the controller.
4. Select "MDrive" and press the controller.

5. Select "SMG Drivelogic" and press the controller. The first setting is selected.



6. Turn the controller to select the Drive mode or Sequential mode.
"Unchanged" retains the current settings made independently of MDrive.
7. Press the controller to select the driving programs.
8. Turn the controller to adjust the driving program.
9. Press controller.

Shift lights

To achieve the best possible acceleration for sports driving in the Sequential mode, shift lights in the Head-Up Display* indicate the optimum time to change gear, shortly before the maximum engine speed is reached.

1. Switching on Head-Up Display, see Head-Up Display on page 74.
2. Selecting "M View" display on Head-Up Display, see Selecting displays on page 74.



The current engine speed is indicated by the lighter section of the revolution counter.

3. When the maximum engine speed is being approached, the yellow sections **1** in the revolution counter light up successively to indicate that the point for upshifting is approaching.
4. Change gear at the latest when the red sections **2** light up.

When the maximum permissible engine speed is reached, the entire revolution counter starts to flash. If the maximum engine speed is exceeded, the fuel supply is interrupted to protect the engine. It is vitally important to avoid engine speeds in this range.

Launch Control

Launch Control permits optimum vehicle acceleration to motor racing standards on a high-grip road surface.

 The use of Launch Control will result in premature component wear, as this function imposes a very high load on the vehicle. ◀

1. Switch off Dynamic Stability Control DSC, see page 68.
2. Select Sequential Mode with Drivelogic driving program 6.
3. Select M Engine Dynamic Control program "P 500", see page 52
4. With the car at a standstill, press the selector lever forwards and hold it in position.
5. Depress the accelerator pedal fully. The optimum engine speed for pulling away is established.
6. The car will accelerate when the selector lever is released. Keep the accelerator pedal fully depressed.
7. The gearbox continues to shift up automatically for as long as the accelerator pedal is kept fully depressed.

Launch Control cannot be called up a second time until a certain distance has been covered.

 To maintain dynamic stability, drive with DSC switched on at all times if possible. ◀

M Engine Dynamic Control

M Engine Dynamic Control enables you to influence how sportily your car responds to movements of the accelerator pedal. There are three engine control programs available.

Program "P 400"

In the "P 400" program, the engine responds benignly to accelerator pedal movement, ideal e.g. for urban traffic or driving on snow. Minimal fuel consumption is achieved, and the engine's output is reduced.

Program "P 500"

The "P 500" program provides maximum output and more spontaneous engine response to accelerator pedal movements.

Program "P 500 Sport"

In the "P 500 Sport" program, as well as producing maximum performance the engine responds very spontaneously and uncompromisingly to accelerator pedal movements.

Selecting a program



Each time the engine is started, the "P 400" program is activated.

Press the POWER button to activate the "P 500" program. Pressing the POWER button repeatedly alternates between the "P 400" and "P 500" programs.

 You can also call up your preferred program via the button on the steering wheel, see MDrive on page 43. The "P 500 Sport" program can only be activated via MDrive.

When the "P 500" and "P 500 Sport" programs are selected, the LED in the POWER button lights up.

Flashing turn indicators/ headlight flasher



- 1 High-beam headlights
- 2 Headlight flasher
- 3 Flashing turn indicators

Indicating a turn

Press the lever beyond the pressure point.

To cancel it manually, press the lever as far as the pressure point.

 If the indicator light flashes more rapidly than usual, a flashing turn indicator bulb has failed; if towing a trailer, the failed bulb could also be on the trailer.

Make sure that the parking lights are not on after you switch off the ignition. ◀

Indicating a turn briefly

Press the lever as far as the pressure point and hold it there for as long as you wish to indicate a turn.

Triple turn signal

Press the lever as far as the pressure point; the flashing turn indicator flashes three times.

You can activate or deactivate this function.

iDrive, operating principle, see page 14.

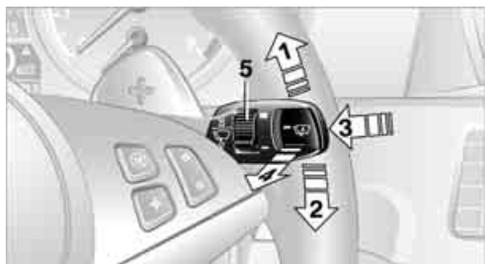
1. Call up start menu.
2. Press the controller to call up the  menu.

3. Select "Vehicle settings" and press the controller.
4. Select "Light" and press the controller.



5. Select "Triple turn signal activation" and press the controller.
 The triple turn signal function is switched on.

Wiper system



- 1 Switching on wipers
- 2 Switching off wipers or flick-wipe
- 3 Activating/deactivating the rain sensor
- 4 Cleaning windscreen and headlights
- 5 Adjusting rain sensor sensitivity

Switching on wipers

The lever returns to the home position when released.

Normal wiper speed

Press once.

The wipers switch to intermittent wipe as the car comes to a halt.

Fast wiper speed

Press twice or press beyond the pressure point. The wipers switch to normal speed as the car comes to a halt.

Rain sensor

The speed of the wipers is regulated automatically according to how hard it is raining. The rain sensor is located on the windscreen, directly in front of the inside mirror.

Activating the rain sensor



Press the button. The LED in the button comes on.

Adjusting rain sensor sensitivity

Turn the knurled wheel 5.

Deactivating the rain sensor

Press the button again. The rain sensor is likewise deactivated when the ignition key is in position 0. The LED goes out.

 Deactivate the rain sensor in an automatic car wash, to prevent the car's wipers from being activated inadvertently and damaged. ◀

Cleaning windscreen and headlights*

Fluid from the washer fluid reservoir is sprayed on to the windscreen and the wipers are operated briefly.

When the vehicle's lights are switched on, the headlights are cleaned simultaneously at practical intervals.

 Only operate the washer systems and cleaning equipment if you are certain that the fluid will not freeze to the windscreen and interfere with the view ahead. Screenwash

should therefore be added to the fluid, see Washer fluid. Do not run the washer systems if the washer fluid reservoir is empty, or the washer pump will be damaged. ◀

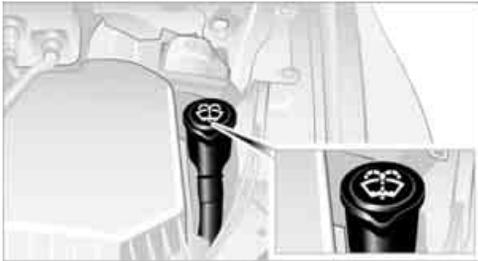
Windscreen washer jets

The windscreen washer jets are automatically heated with the ignition key in position 2.

Washer fluid

! Screenwash for the washer fluid is highly flammable. Keep it away from possible ignition sources and store it only in the carefully sealed original containers, out of reach of children. Comply with the instructions on the containers. ◀

Washer fluid reservoir



When filling with water, to which screenwash has been added if required, always follow the manufacturer's instructions.

▶ Mix the water and screenwash additive before filling the washer fluid reservoir, to make sure the correct concentration is maintained. ◀

Capacity

approx. 5 litres (8.8 Imp. pints).

Cruise control

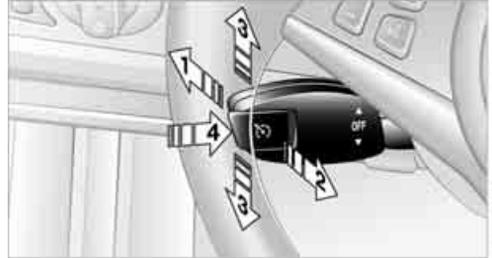
The principle

You can activate the cruise control from a speed of approx. 30 km/h, or 20 mph. The car then

maintains and memorises the speed that you specify using the lever on the steering column.

! Do not use the cruise control if adverse conditions prevent driving at constant speed, e.g. winding roads, heavy traffic or poor surface conditions such as snow, rain, ice or loose material. Otherwise you could lose control of the vehicle and cause an accident as a result. ◀

One lever for all functions



- 1 Maintaining and memorising speed, accelerating
- 2 Maintaining and memorising speed, decelerating
- 3 Interrupting cruise control
- 4 Recalling a speed

Maintaining and memorising speed, accelerating

Press the lever as far as the pressure point, arrow 1:

The car's current speed is maintained and memorised. Display 1 in the speedometer shows this controlled speed, see further below. Each time the lever is pressed again, the car's speed increases by approx. 1 km/h or 1 mph.

Press the lever as far as the pressure point for longer:

The car accelerates without the accelerator pedal being pressed. As soon as you release the lever, the speed the car has reached will be maintained and memorised.

Press the lever beyond the pressure point: to increase the speed in increments of 10 km/h or 5 mph.

If engine braking alone is insufficient on a downhill gradient, the set speed may be exceeded. It may also prove impossible to maintain speed with the available engine power on uphill gradients.

Maintaining and memorising speed, decelerating

Pull the lever, arrow **2**:

Functions as **1**, except that the car's speed is reduced instead.

Interrupting cruise control

Press the lever upwards or downwards, arrow **3**.

In addition, you interrupt the cruise control function automatically:

- ▷ When braking
- ▷ When changing gear in the Sequential mode or engaging selector lever position N
- ▷ When DSC has cut in

Recalling a speed

Press button **4**:

The memorised speed is recalled and maintained.

Deactivating the system

Whenever the ignition is switched off, the system is deactivated and the speed stored in the memory is deleted.

Displays in the instrument cluster



- 1 Memorised speed
- 2 Memorised speed is displayed briefly

Everything under control

Distance recorder, outside temperature display, clock



- 1 Time, outside temperature, see Computer on page 57
- 2 Distance recorder – odometer – and trip distance recorder
- 3 Knob in the instrument cluster:
 - ▶ With the ignition key in position 2, zeroing trip distance recorder
 - ▶ With the ignition switched off, displaying distance recorder for a short time

Revolution counter



The advance warning field, arrow 1, and the red warning field, arrow 2, change depending on the engine temperature. The maximum permissible engine speed rises along with the engine temperature. Avoid engine speeds in the advance warning field if possible.

Always avoid engine speeds in the red warning field. In this zone the fuel supply is interrupted to protect the engine.

Engine oil thermometer



The general operating temperature is between 80 °C and 120 °C. Do not exceed the maximum value of 130 °C.

If the engine oil temperature is excessive, the maximum permissible engine speed and therefore the available engine output are reduced.

Fuel gauge



Fuel tank capacity: approx. 70 litres (15.4 Imp. gal.), including reserve of approx. 15 litres (3.3 Imp. gal.). Notes on refuelling, see page 162.

If the car is at an angle for some time, for example on a long mountain road, the value in the display may fluctuate to some extent.

Once the fuel level has fallen to the reserve zone, a message appears on the control display for a short time and the remaining operating range is displayed on the computer. If the operating range is less than approx. 50 km (30 miles), the message is displayed permanently on the control display.

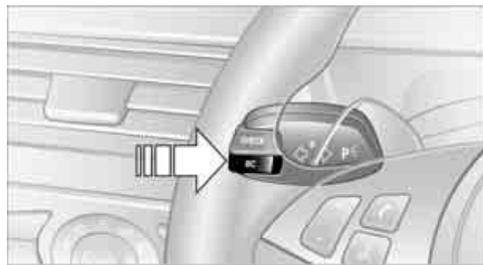
 If the range is below 50 km (30 miles), refuel the car, otherwise the engine's

functions are not assured and damage may occur. ◀

Computer

Displays in the instrument cluster

Calling up information



Using the BC button on the flashing turn indicator lever, with the ignition key in position 1 or beyond you can call up computer information in the instrument cluster.

Every time you press the BC button, another item of information is displayed.



The sequence of displays is:

- ▷ Time and outside temperature
- ▷ Range
- ▷ Average fuel consumption
- ▷ Oil level, see Checking engine oil level on page 168

Time and outside temperature

With the ignition key in position 1 or beyond, the exterior temperature and time are displayed.

You can alter the unit of measurement °C or °F on the control display, see Units of measurement on page 65.

Adjusting time, see page 65.

Ice warning

If the outside temperature drops to approx. +3 °C, a signal is heard and a message appears.

 Please note that ice may also occur on the roads at temperatures above +3 °C, for example on bridges or in shade. ◀

Range

This display indicates how far the car can probably be driven on the fuel remaining in the tank. It is calculated on the basis the way the car has been driven over the past 30 km (20 miles).

 If the range is below 50 km (30 miles), refuel the car, otherwise the engine's functions are not assured and damage may occur. ◀

Average fuel consumption

The average fuel consumption is calculated for the period since the engine was last started.

You can have the average fuel consumption for two different distances displayed on the control display, see Displays on the control display or Journey computer further below.

To reset the average consumption: press the BC button on the flashing turn indicator lever for approx. 2 seconds.

Displays on the control display

You can also call up the computer via iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.



2. Move the controller to the right to call up "Navigation".
On cars without navigation system:
Call up "OBC".
3. Select "On-board Info" and press the controller.
4. Select "Computer" and press the controller.



- ▷ Estimated arrival time:
 - ▷ Enter a distance manually in the computer, see further below.
 - ▷ Enter a destination in the navigation system*, see page 106.
- ▷ Range
- ▷ Distance from destination:
 - ▷ Enter a distance manually in the computer, see further below.
 - ▷ Enter a destination in the navigation system*, see page 106.
- ▷ Average speed
- ▷ Average fuel consumption

The calculation of average speed ignores any stationary periods where the engine was switched off.

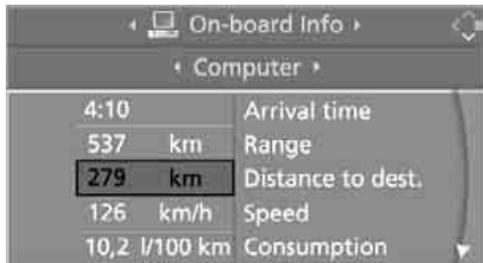
Resetting values

You can reset the values for average speed and average fuel consumption:

1. Select the respective menu item and press the controller.
2. Press the controller again to confirm your selection.

Entering distance manually

1. Select "Distance to dest." and press the controller.



2. Turn the controller to set the distance to the destination. You may need to overcome a slight resistance if you wish to enter a relatively high difference.
3. Press the controller to adopt the setting.
The distance is automatically preset during route guidance by the navigation system*.

Journey computer

The journey computer is suitable e.g. for a holiday trip.

1. Call up start menu.
2. Call up "Navigation".
On cars without navigation system*: call up "OBC".
3. Select "On-board Info" and press the controller.

4. Select "Journey computer" and press the controller.



- ▷ Departure time
- ▷ Journey time
- ▷ Distance covered
- ▷ Average speed
- ▷ Average fuel consumption

To start or stop the journey computer or reset all values in the journey computer:

1. Select "Set" and press the controller.
2. Select the desired menu item.
3. Press controller.

Display options

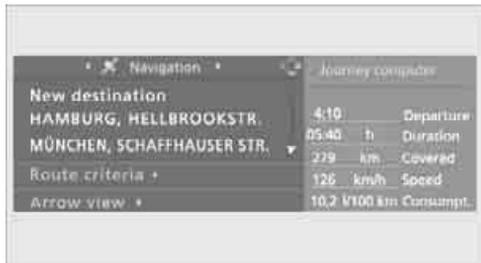
You can have the computer or the journey computer displayed in the assistance window.

1. Move the controller to the right to switch to the assistance window and press the controller.



2. "Computer" or "Journey computer"

3. Press controller.



Service requirements



The distance remaining to the next service and its date are displayed briefly with the ignition key in position 2.

The first oil change reminder at approx. 2000 km (1250 miles) indicates that the running-in check is due.

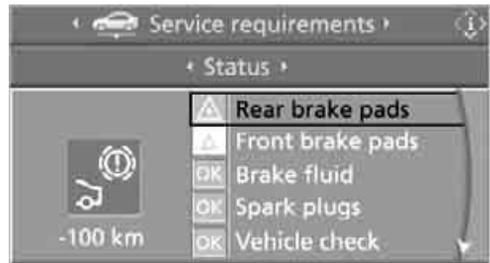
 The extent of service work required can be read out from the master key by your BMW Service Advisor. ◀

Further information

You can have further information on the scope of maintenance displayed on the control display, see page 14.

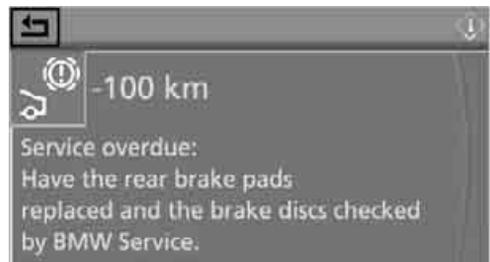
1. Call up start menu
2. Press the controller to call up the **i** menu.
3. Select "Service" and press the controller.
4. Select "Service requirements" and press the controller.

5. Select "Status" and press the controller.



A list of selected maintenance routines and inspections required by law is displayed.

You can call up more information on each entry: Select the entry and press the controller.



To exit the menu:

Select the  arrow and press the controller.

Symbols

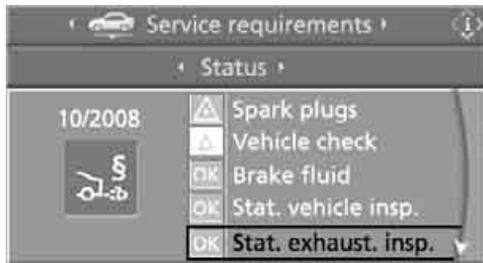
-  No servicing is currently needed.
-  Servicing or an inspection required by law is due soon. Please arrange a Service appointment.
-  Servicing is overdue.

Entering dates of statutory emissions tests and vehicle inspections*

Make sure that the date on the control display is always set correctly, see page 66, otherwise the Condition Based Service CBS cannot function correctly.

1. Call up start menu
2. Press the controller to call up the **i** menu.
3. Select "Service" and press the controller.

4. Select "Service requirements" and press the controller.
5. Select "Status" and press the controller.
6. Select "Stat. exhaust. insp." or "Stat. vehicle insp." and press the controller.



7. Select "Schedule date for service" and press the controller. The month is selected.
8. Turn the controller to make the adjustment.



9. Press the controller to adopt the setting. The year is selected.
10. Turn the controller to make the adjustment.
11. Press the controller to adopt the setting. The date input is memorised.

To exit the menu:

Select the  arrow and press the controller.

Check Control

The principle

The Check Control monitors vehicle functions and alerts you to any faults in the systems monitored. The system alerts you by means of indicator or warning lights in the instrument cluster,

possibly accompanied by an acoustic signal, and text messages at the bottom of the control display.

Displays in the instrument cluster



Indicator and warning lights may light up in a variety of colours and combinations both in the panel 1 and in the display 2.

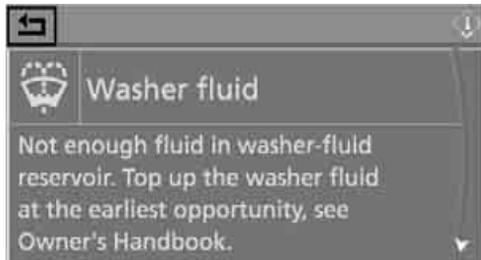


 means that a Check Control message has been issued. The symbol remains visible even if the Check Control message disappears again after a short time. The warning light signals and text messages are memorised and can be called up again subsequently, see also page 62.

Displays on the control display



Text messages appearing at the lower edge of the control display explain the meaning of the indicator and warning lights that have come on.



You can subsequently call up additional information for most Check Control messages, e.g. the cause of a malfunction and what action is required on your part, see below.

If action is required as a matter of urgency, this information is flashed up as soon as the accompanying light comes on.

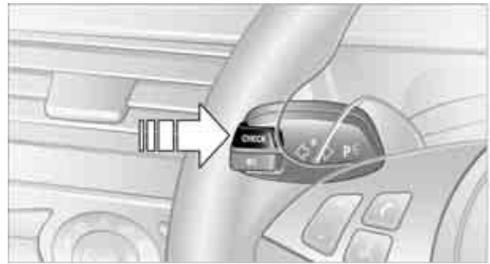
Exit the supplementary information:

➡ Select the arrow and press the controller.

Order of importance of Check Control messages

Important Check Control messages remain until the faults in question have been rectified. These messages cannot be deleted. If several faults occur at the same time, they are displayed in succession.

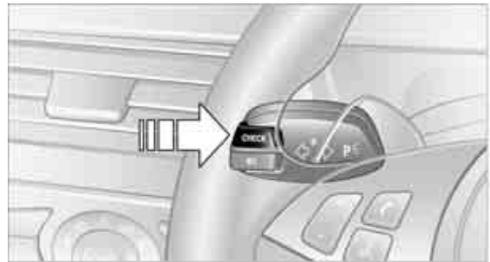
Less important messages disappear after approx. 20 seconds, but they remain memorised.



To hide these Check Control messages: Press the CHECK button on the flashing turn indicator lever.

Displaying memorised Check Control messages

1. Press button for longer:
The first message stored is displayed.



2. Press the button:
Every time you press the button, another message is displayed.

Displaying further information subsequently

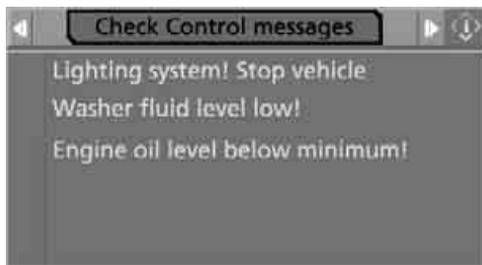
iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.

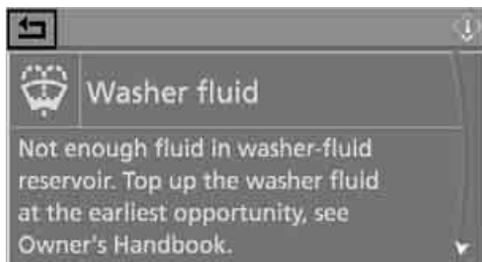


2. Press the controller to call up the **i** menu.

3. Select "Service" and press the controller.
4. Select "Check Control messages" and press the controller.



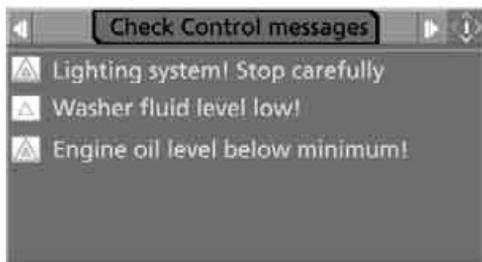
5. Select a text message and press the controller.



To exit the display:

- Select the arrow and press the controller.

Displaying the urgency of malfunctions



Depending on the equipment specification, the following symbols are displayed alongside the Check Control messages in the memory:

-  There are no malfunctions in the systems monitored.
-  There are malfunctions in the systems monitored. Supplementary information is given on the control display for certain malfunctions.
-  There are malfunctions in the systems monitored. Supplementary information is given on the control display for certain malfunctions.

The symbols also show the service requirements status, see page 60.

Messages displayed at end of a journey

Malfunctions which have been indicated during a journey are displayed again when you switch off the ignition.

You can call up the messages again provided the display has not yet gone out. Press CHECK button for approx. 2 seconds. If there are several messages, press the CHECK button as many times as necessary.

The display goes out

- automatically after a short time
- if you press the CHECK button again for approx. 2 seconds

Speed limit

You can enter a speed at which you are to be alerted by means of a Check Control message. You can use this feature e.g. to ensure that you do not exceed the speed limit in a built-up area. A renewed reminder of this speed limit will not be given unless you have undercut it by at least 5 km/h or 3 mph in the meantime.

Displaying, setting or altering limit

iDrive, operating principle, see page 14.

1. Call up start menu.
2. Call up "Navigation".
On cars without navigation system: call up "OBC".
3. Select "On-board Info" and press the controller.
4. Select "Limit" and press the controller.



5. Depending on the equipment specification, select "Change limit:" or the speed value and press the controller.
6. Turn the controller to adjust the limit. You may need to overcome a slight resistance if you wish to enter a relatively high difference.
7. Press the controller to adopt the setting. The limit is automatically switched on.

Memorising actual speed as limit value

Select "Accept current speed" and press the controller. The actual speed is memorised as the limit value.

Activating limit

Select "On" and press the controller.

The limit is automatically switched on.

Stopwatch

iDrive, operating principle, see page 14.

1. Call up start menu.
2. Call up "Navigation".
On cars without navigation system: call up "OBC".
3. Select "On-board Info" and press the controller.
4. Select "Stopwatch" and press the controller.



Starting, stopping or resetting

- ▷ Select "Start" and press the controller. The stopwatch starts at the time displayed.

- ▷ Select "Reset" and press the controller. The stopwatch is reset and starts again if it was running previously.
- ▷ Select "Stop" and press the controller. Timekeeping is stopped.

Taking an intermediate time reading

Select "Interm. time" and press the controller. The intermediate reading is displayed below the current time display.

- ▷ You can also call up other functions at any time while the stopwatch is running. The stopwatch continues to run in the background. ◀

Settings on the control display

1. Press the **MENU** button.
The start menu is called up.



2. Press the controller to call up the **i** menu.
3. Select "Display settings" and press the controller.

Brightness of the control display

The brightness is automatically adjusted to ambient light conditions. However, you can adjust the basic setting.

1. Select "Brightness" and press the controller.



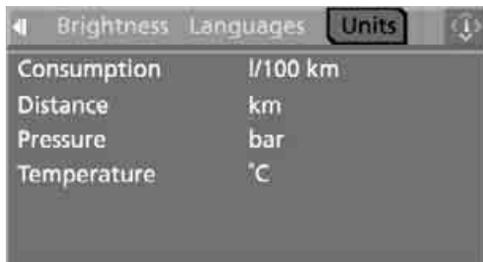
2. Move the controller to the right if necessary, to call up "Display Offset".
3. Turn the controller until the desired setting is obtained.

The setting is saved for the remote control currently in use.

Units of measurement

You can alter the units of measurement for fuel consumption, distance, temperature and pressure.

1. Select "Units" and press the controller.

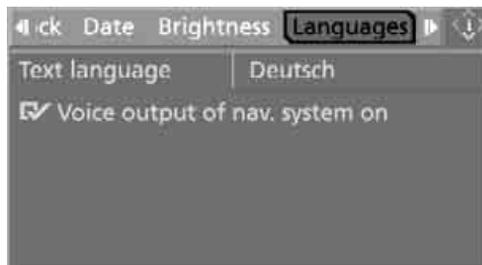


2. Select the menu item to be adjusted.
3. Press controller.
4. Select the desired unit of measurement and press the controller.

The settings are saved for the remote control currently in use.

Language of the control display

1. Select "Languages" and press the controller.

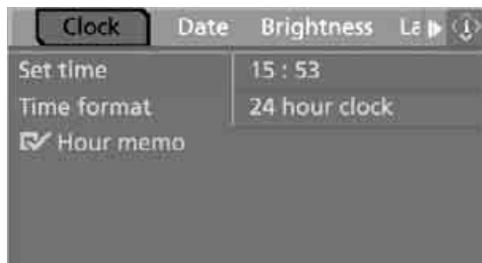


2. Select "Text language" and press the controller. You can alter the language of the display texts.
3. Select the desired language and press the controller.

The setting is saved for the remote control currently in use.

Setting time

1. Select "Clock" and press the controller.



2. Select "Set time" and press the controller. The hours value is highlighted.
3. Turn the controller to adjust the hours.
4. Press the controller to adopt the setting. The next part of the time setting is selected.
5. Complete the setting. Once the setting has been completed, the time is memorised.

12 hour/24 hour mode

1. Select "Time format" and press the controller.
2. Select the desired mode and press the controller.

The setting is saved for the remote control currently in use.

Switching on hour signal*

Shortly before the hour, three signal tones will be emitted.

Select "Hour memo" and press the controller.

The hour signal is switched on.

Setting date

1. Select "Date" and press the controller.



2. Select "Set date" and press the controller. The first part of the date setting is selected, in this example the day.
3. Turn the controller to make the adjustment.
4. Press the controller to adopt the setting. The next part of the time setting is selected.
5. Complete the setting. Once the setting has been completed, the date is memorised.

Altering the date format

1. Select "Date format" and press the controller.
2. Select the desired format and press the controller.

The setting is saved for the remote control currently in use.

Technical features for driving comfort and safety

Park Distance Control PDC*

The principle

PDC assists you when manoeuvring into a parking space. Audible signals and a visual display* indicate that you are approaching an object in front of or behind your vehicle. Four ultrasonic sensors in each bumper measure the distance from it. The sensors at the front and at the rear corners have a range of about 60 cm (2 ft), and the centre rear sensors a range of about 1.20 m (5 ft).

 PDC is a parking aid which is capable of registering objects approached at low speed, as is usually the case when the car is being parked. Avoid approaching an object rapidly, otherwise the system may be unable to alert you in sufficient time in view of the physical principles involved. ◀

If the car is towing a trailer, the rear sensors will be unable to supply meaningful signals. They therefore do not come on.

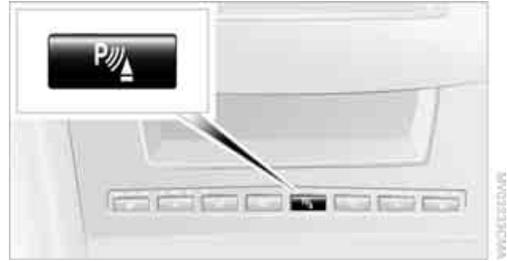
Automatic operation

With the ignition key in position 2, the system is activated automatically after approx. 1 second when you move the automatic transmission selector lever to position R.

Wait briefly before starting to drive, to allow the system to become active.

After a distance of approx. 50 m (164 ft) has been covered or a speed of approx. 30 km/h (20 mph) is exceeded, the system is deactivated and the LED goes out. Switch the system on again manually as necessary.

Switching on manually



Press the button, the LED comes on.

Switching off manually

Press the button again; the LED goes out.

Audible warning signals

The fact that you are approaching an object is indicated by an intermittent warning signal for the part of the car in question. For instance, if an object is identified to the rear left of the car, the warning signal sounds at the rear left loud-speaker. The closer the car approaches the obstruction, the more rapid the sequence of signals. When the distance from a detected object is less than approx. 30 cm (12 in), the signal becomes continuous.

If you are driving parallel to a wall, the signal is interrupted after approx. 3 seconds.

Malfunction

The LED in the button flashes and a message appears on the control display. PDC has failed. Have the system checked.

As a precautionary measure, keep the sensors clean and free from ice, so that they always operate reliably.

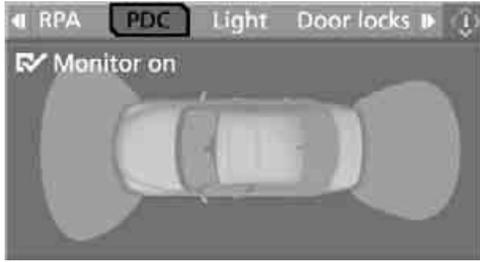
PDC with optical warning*

You can have the fact that you are approaching an object indicated on the control display. Objects that are further away from the car will

appear on the control display before an audible warning signal is given.

iDrive, operating principle, see page 14.

1. Call up start menu.
2. Press the controller to call up the **i** menu.
3. Select "Vehicle settings" and press the controller.
4. Select "PDC" and press the controller.



5. Select "Monitor on" and press the controller.

The PDC image is switched on.

The display appears on the control display as soon as PDC is activated.

The setting is saved for the remote control currently in use.

System limits

 PDC is no substitute for your personal assessment of obstructions. The sensors have certain dead areas in which objects cannot always be detected. In addition, the identification of objects may not be possible if the physical limits of the ultrasonic measuring principle are exceeded, for instance in the case of trailer tow hitches and towbars, and also other thin or wedge-shaped objects. It is also possible that low objects already displayed, such as the kerb, may fall within the sensors' blind spot before a continuous audible signal is given, or that protruding objects higher up, such as ledges, are not detected. Loud sound sources outside or inside the car can drown out the PDC signal. ◀

In certain situations, the exhaust gases around the rear sensors could prompt an audible signal.

 Keep the sensors clean and free from ice, so that they always operate reliably.

Do not spray for any length of time with high-pressure cleaning equipment, and keep cleaning jets at least 10 cm (4 in) away from the sensors. ◀

Driving stability control systems

Your BMW has a number of systems that help to maintain the vehicle's stability even in adverse driving conditions.

Anti-lock Brake System ABS

ABS prevents the wheels from locking when the brakes are applied. The vehicle can consequently still be steered even when the brakes are applied hard. This increases active driving safety.

ABS is ready to operate each time the engine is started. Safe braking, see page 97.

Cornering Brake Control CBC

When the brakes are applied while cornering and when changing lanes, the vehicle's stability and steering characteristics are further enhanced.

Electronic Brake Force Distribution

The system regulates the braking pressure on the rear wheels in order to stabilise the braking behaviour.

Dynamic Brake Control DBC

If the brake pedal is pressed down rapidly, this system automatically boosts the braking force to a maximum and thus helps to keep the braking distance as short as possible when a full brake application is made. It also makes full use of the advantages offered by ABS.

Maintain pressure on the brake pedal during the entire brake application. If the brake pedal is released, DBC will be switched off.

Dynamic Stability Control DSC

DSC optimises dynamic stability and traction. It in addition identifies unstable driving situations

such as understeering or oversteering and helps to keep the vehicle on a stable course, subject to the limits imposed by the basic laws of dynamics, by reducing the engine output and applying the brakes to the wheels.

DSC is ready to operate each time the engine is started.

 Not even DSC can overcome the laws of physics. It is therefore the driver's responsibility to adopt a suitable driving style in every situation. Do not undermine the additional safety afforded by this system by taking driving risks. ◀

Indicator light for DSC

 The indicator light goes out shortly after the engine has been started. If the indicator light is flashing: DSC is regulating the propulsive and braking forces. If the indicator light is on permanently: DSC is switched off.

M Dynamic Mode MDM

M Dynamic Mode is a mode of Dynamic Stability Control DSC that is specially designed for the racing circuit. M Dynamic Mode permits driving with maximum longitudinal and lateral acceleration on a dry road surface, but dynamic stability is restricted. The system only takes stabilising action very close to the limits of handling, by reducing engine output and applying the brakes to the wheels. In these operating conditions, countersteering by the driver may be necessary.

M Dynamic Mode is always switched off when the engine is started.

 With the M Dynamic Mode activated, stabilising action is only carried out to a lesser extent. ◀

 In the interests of maintaining dynamic stability, always try to drive with DSC switched on and the M Dynamic Mode switched off. ◀

Indicator light for MDM

 The indicator light goes out shortly after the engine has been started. If the indicator light is on permanently:

M Dynamic Mode is switched on. The indicator light is on permanently, the DSC indicator light flashes: M Dynamic Mode is active and regulating the propulsive and braking forces.

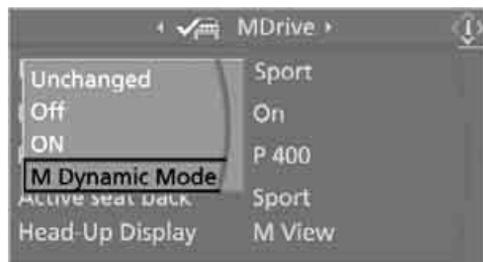
Activating MDM

 You activate M Dynamic Mode via the button on the steering wheel, see MDrive on page 43.

With the ignition key in position 2, you can adjust the MDrive settings on the control display.

iDrive, operating principle, see page 14.

1. Call up start menu.
2. Press the controller to call up the  menu.
3. Select "Vehicle settings" and press the controller.
4. Select "MDrive" and press the controller.
5. Select "DSC" and press the controller.
6. Select "M Dynamic Mode" and press the controller.



Deactivating MDM again

Press the  button on the steering wheel again; the MDM indicator light goes out.

Switching off DSC



Press the DSC button; the DSC indicator light remains permanently lit. DSC and MDM are switched off.

A message appears on the control display. Please also observe the supplementary information given there.

When rocking the car out of a hollow or starting in deep snow or on a loose surface, it may be advisable to switch off DSC temporarily.

 To maintain driving stability, drive with the system switched on at all times if possible. ◀

Switching on DSC again

Press the DSC button; the indicator light in the instrument cluster goes out.

 You can also switch DSC on and off via the button on the steering wheel, see MDrive on page 43.

Malfunction in the driving stability control systems

 If the warning light for the brake system comes on, in conjunction with the indicator lights for ABS and DSC and a message appears on the control display: driving stability control and ABS have failed. Normal brake action is not affected – no restrictions. Drive with care, looking at the traffic situation well ahead, and avoid heavy brake applications. Have the system checked as soon as possible.

 If the DSC warning light comes on: DSC including MDM and DBC is malfunctioning. Stabilising action and brake servo boost are no longer available. The vehicle

remains operational. Have the system checked as soon as possible.

Electronic Damping Control EDC

The principle

If parameters such as road surface quality or operating conditions such as steering, braking etc. change, the damping automatically adapts to the changed circumstances in a fraction of a second.

You can choose between three programs.

"Comfort" program

Select the "Comfort" program if you prefer comfort-oriented shock absorber and steering settings.

"Normal" program

The "Normal" program strikes a balance between the Comfort and Sport program.

"Sport" program

Select the "Sport" program if you prefer overtly sporty shock absorber and steering settings.

Selecting program



Press the EDC button repeatedly:

- ▷ "Comfort": none of the LEDs in the button are lit.
- ▷ "Normal": one LED in the button is lit.
- ▷ "Sport": both LEDs in the button are lit.

Each time the engine is started, the program last selected is active.

 You can also activate your preferred program via the button on the steering wheel, see MDrive on page 43.

Run Flat Indicator RPA

The principle

The Run Flat Indicator monitors the pressures in the four tyres fitted to the road wheels while the car is being driven. The system reports any significant loss of pressure in one tyre in relation to the others.

In the event of a loss of pressure, the operating radius and therefore the rotational speed of the wheels change. This change is detected and reported as tyre failure.

Operating requirements

To ensure that tyre failure can be reported reliably, the system must have been initialised while the tyre pressures are correct.

 The system has to be reinitialised every time tyre pressures are corrected, after each change of a wheel or tyre, and after a trailer has been attached or detached. ◀

System limits

 The Run Flat Indicator is unable to warn the driver of sudden, severe tyre damage caused by external factors, nor can it identify the gradual loss of pressure that will inevitably occur in all four tyres over a lengthy period of time. ◀

In the following situations, the system could be slow to respond or operate incorrectly:

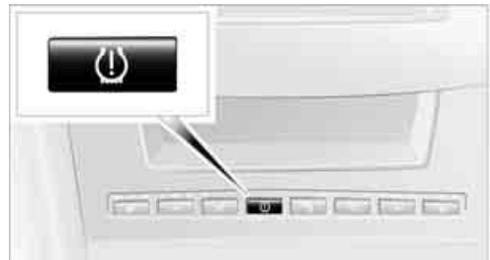
- ▷ If the system has not been initialised
- ▷ When driving on snow-covered or slippery surfaces
- ▷ When driving with an enthusiastic style, causing the driven wheels to spin, high lateral acceleration
- ▷ When driving with snow chains*

Initialising the system

 Initialising is completed by driving the car; this process can be interrupted at any time. Initialising resumes automatically when you continue your journey. Do not initialise the system while driving with snow chains fitted. ◀

Via the button in the centre console:

1. Start the engine but do not drive off yet.
2. Press the button for at least 4 seconds but for no longer than 2 minutes. After the button is released, the warning light in the instrument cluster comes on yellow for a few seconds. Warning light, see Indication of a flat tyre. The message "RPA Initialisierung..." appears on the control display for a few seconds.



3. Drive off. Initialising is completed during the journey, without confirmation being provided.

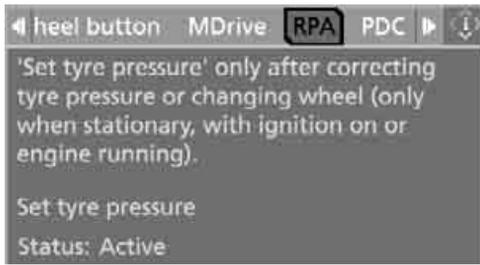
iDrive, operating principle, see page 14:

1. Press the **MENU** button.
The start menu is called up.



2. Press the controller to call up the **i** menu.
3. Select "Vehicle settings" and press the controller.

4. Select "RPA" and press the controller.



5. Start the engine but do not drive off yet.
6. Select "Set tyre pressure" and press the controller.
7. Select "Yes" and press the controller.



The message "Initializing" appears for a few seconds. The warning light in the instrument cluster lights up yellow for a few seconds.

8. Drive off.
Initialising is completed during the journey, without confirmation being provided.

Indication of a flat tyre



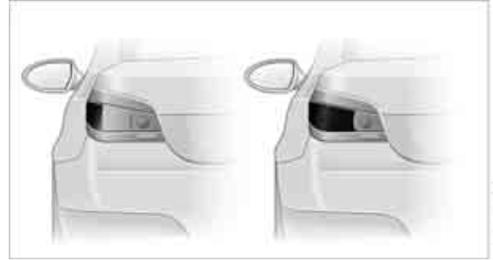
If the warning light lights up red, a message appears on the control display and an acoustic signal is in addition emitted: there is a puncture or the tyre pressure has fallen substantially.

1. Reduce your speed and stop the car carefully. Avoid violent or sudden braking and steering manoeuvres.
2. Identify the damaged wheel. Do this by checking the tyre pressures with the aid of the M Mobility System, see Reinflating the tyre on page 178.

3. Repair the puncture with the M Mobility System, see page 176, or replace the damaged wheel, see Changing a wheel page 179.

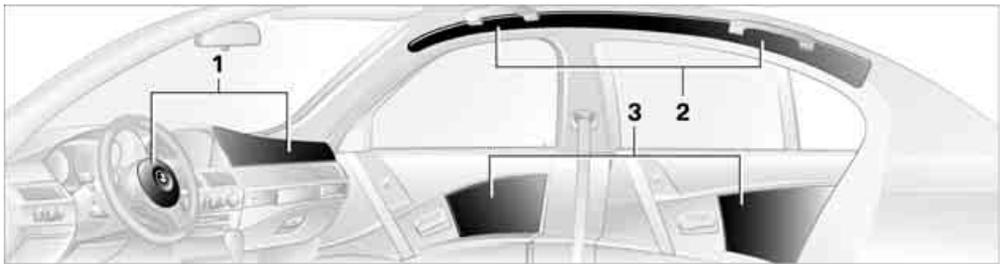
Two-stage brake lights*

The brake lights light up in two stages, depending on how sharply you apply the brakes.



- ▷ Normal braking: the brake lights and the centre brake light come on.
- ▷ Hard braking or braking that activates the ABS: the illuminated surface of the brake lights becomes larger.

Airbags



There are the following airbags beneath the covers indicated:

- 1 Front airbags for the driver and front passenger
- 2 Head-level airbags at front and rear
- 3 Side airbags at front and rear*

Protective effect

⚠ Comply with the notes on page 35, or there may be a risk to your personal safety. ◀

The front airbags protect the driver and front passenger in the event of a head-on collision, if the protective action of the seat belts alone would be insufficient. The head-level and side airbags provide protection in the event of a side-on collision. The side airbag has the effect of supporting the upper body from the side. The head-level airbag supports the head of the seat's occupant.

The airbags will purposely not be activated by every collision, e.g. in more minor accidents, certain roll-over situations and rear-end collisions.

⚠ Never attach any material to the airbag covers with adhesive, place material over them or modify them in any way. Do not dismantle the airbag occupant restraint system. Do not modify the individual components of the system or its wiring in any way. This includes the upholstered covers on the steering wheel, instrument panel, doors and roof posts as well as the sides of the roof lining. Do not remove the steering wheel. Avoid touching the system's components immediately after it has been

triggered off, as there is a risk of sustaining burns. If the airbag occupant restraint system develops a fault, is shut down out of use or has been activated, have it checked, repaired or dismantled and the airbag generators scrapped only by BMW Service or by a workshop that operates to BMW specifications and has suitably trained personnel and the necessary permits for handling explosive devices. Any careless or unskilled interference with the system could lead to its failure or to accidental triggering off with the risk of injury. ◀

Operational status of airbag system



From ignition key position 1, the warning light comes on for a short time to indicate that the entire airbag system and the belt tensioners are operational.

Airbag system faulty

- ▷ The warning light does not come on from ignition key position 1.
- ▷ The warning light is on permanently.

⚠ In the event of a fault in the airbag system, have it checked without delay, as there is otherwise the risk that the system will not function as intended even if a correspondingly

severe accident occurs within the airbag range. ◀

Head-Up Display*

The principle

The Head-Up Display projects important information into the driver's field of view, e.g. navigation instructions. This enables you to register this information without having to divert your eyes from the road.



Switching on/off

With ignition key in position 2:

To switch on or off, press the button.

Selecting displays

iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.



2. Press the controller to call up the **i** menu.
3. Select "Display settings" and press the controller.
4. Select "Head-Up Display settings" and press the controller.
5. Select the desired information for the Head-Up Display.



6. Press controller.
 - The information is shown on the Head-Up Display.
 - "M View": the M view is shown in the Head-Up Display. Information that is not available in the M view is greyed in the control display and cannot be selected.
 - "M View": the standard view is displayed.
- You can also call up the M view for the Head-Up Display via the button on the steering wheel, see MDrive on page 43.

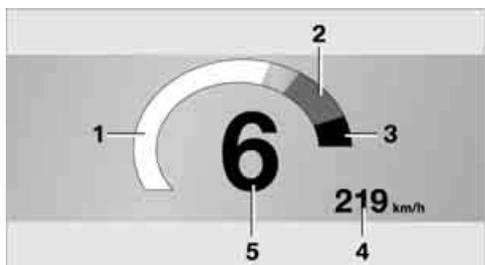
The settings are saved for the remote control currently in use.

Standard view



- 1 Navigation instructions
- 2 Memorised desired speed for cruise control
- 3 Speed

M view



- 1 Current engine speed, light section
- 2 Advance warning field of revolution counter
- 3 Red warning field of revolution counter, see also Revolution counter on page 56
- 4 Speed
- 5 Gear indicator

Displaying shift lights in the revolution counter, see page 51.

Adjusting brightness

The brightness of the display is automatically adjusted according to ambient light conditions. However, you can adjust the basic setting. When the low-beam headlights are switched on, the brightness can also be adjusted using the knurled wheel for the instrument lighting. iDrive, operating principle, see page 14.

1. Call up start menu.
2. Press the controller to call up the **i** menu.

3. Select "Display settings" and press the controller.
4. Select "Brightness" and press the controller.



5. Move the controller to the left if necessary, to call up "Head-Up Display Offset".
6. Turn the controller until the desired setting is obtained.

The setting is saved for the remote control currently in use.

Notes

The visibility of information in the Head-Up Display is influenced by:

- ▷ Sunglasses with certain polarisation filters
- ▷ Certain seated positions
- ▷ Objects resting on the Head-Up Display's cover
- ▷ Wet roads and poor light conditions

If the image is shown distorted, have the basic settings checked.

Special windscreen

The windscreen constitutes part of the system. The windscreen is shaped in a way that satisfies the requirements of the Head-Up Display and permits the projection of precise images. A film in the windscreen prevents double images from occurring.

Always have a windscreen replaced only either by BMW Service or by a workshop that operates to BMW specifications and has suitably trained personnel.

Care notes

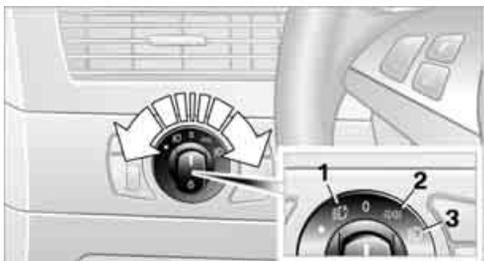
For useful information on this subject, see the booklet Looking after your car.



⚠ To avoid damage when cleaning the Head-Up Display's cover, use only a soft, non-scratching cloth or a cleaning cloth for display screens. ◀

Lights

Side lights/low-beam headlights



- 1 Automatic driving lights control and Adaptive Head Light*
- 2 Side lights
- 3 Low-beam headlights and daytime driving lights*

Side lights

When the switch is in position **2** the lights are on all round the car. You can use the side lights for parking. There is the additional option of switching on the lights on the side nearest the road when parked, see page 79.

Low-beam headlights

The low-beam headlights come on in switch position **3** if the ignition is switched on; otherwise the side lights come on.



The indicator light in the instrument cluster comes on when the side lights and low-beam headlights are switched on.

Headlight courtesy delay feature

If you operate the headlight flasher after parking the car, with the lights switched off, the low-beam headlights come on. You can adjust the operating period or deactivate the function on the control display.

iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.



2. Press the controller to call up the **i** menu.
3. Select "Vehicle settings" and press the controller.
4. Select "Light" and press the controller.



5. Select "Home lights" and press the controller.
6. Turn the controller to set the appropriate duration.
7. Press the controller to adopt the setting.

Lights on warning

If the lights are still on when the ignition key is turned back to 0 and the driver's door is opened, an acoustic signal sounds for several seconds as a reminder. A message simultaneously appears on the control display.

Daytime driving lights

If desired, the light switch can remain in position **3**.

Please comply with local legislation concerning the use of daytime driving lights.

The side lights can be switched on in the normal way when required, as described under Side lights.

You can activate or deactivate the daytime driving lights:

1. Call up start menu.
2. Press the controller to call up the **i** menu.
3. Select "Vehicle settings" and press the controller.
4. Select "Light" and press the controller.



5. Select "Daytime running light" and press the controller.
 - Daytime driving lights are switched on.

Automatic driving lights control

In switch position **1** the low-beam headlights are switched on or off automatically depending on ambient light conditions, e.g. in a tunnel, in twilight, and in rain or snow. Adaptive Head Light* is active. When the low-beam headlights are on, the LED next to the symbol is lit.

- The low-beam headlights remain switched on irrespective of the ambient light conditions if you switch on the rear fog lights*.

For daytime driving lights*, the low-beam headlights always come on with the switch in this position when the ignition key is turned to position 2. ◀

⚠ The driving lights control function is no substitute for your individual judgement of when it is necessary to switch on the lights. The sensors are for instance unable to recog-

nise fog. In such situations, switch on the lights manually to avoid any safety risk. ◀

Adaptive Head Light*

The principle

Adaptive Head Light is a variable headlight control system that makes it possible to illuminate the road surface more effectively. Depending on the steering lock and various other factors, the headlights trace the line of the road.

Activating Adaptive Head Light

In switch position **1**, Adaptive Head Light is active and automatic driving lights control* is switched on.

To avoid dazzling the drivers of oncoming vehicles, Adaptive Head Light is not active when the car is reversing and directs the light only to the front passenger's side when the vehicle is at a standstill.

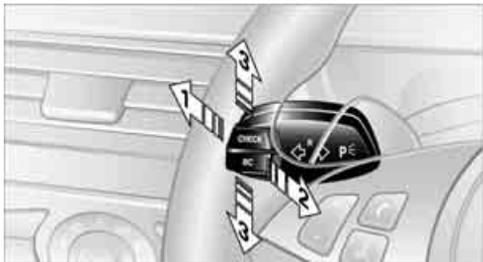
Malfunction

If the LED next to the symbol for automatic driving lights control flashes: Adaptive Head Light is faulty or has failed. Have the system checked as soon as possible.

Headlight beam throw adjustment

The headlight beam throw is adjusted automatically, e.g. during accelerating and braking as well as in the event of varying loads.

High-beam headlights/ parking lights



- 1 High-beam headlights
- 2 Headlight flasher
- 3 Parking lights

Right or left parking lights*

There is an additional option of switching on the lights on the side of the car facing the road when parked, if permitted in the country of use:

With the ignition off, push the lever beyond the pressure point in the corresponding direction **3**.

-  The parking lights will drain the battery. Do not leave them switched on for too long, otherwise the engine may fail to start. ◀

Rear fog lights*



-  The low-beam headlights must be switched on. The yellow indicator light in the instrument cluster comes on when the rear fog lights are in use.

Instrument lighting



You can adjust the lighting intensity with the knurled wheel while the side lights/low-beam headlights are switched on.

Interior light

The interior lights, the footwell lights, the door entry lighting and the ground lights* are controlled automatically.

Switching interior light on/off manually



Press the button.

To switch off the light permanently, hold the button pressed for about 3 seconds.

Reading lights

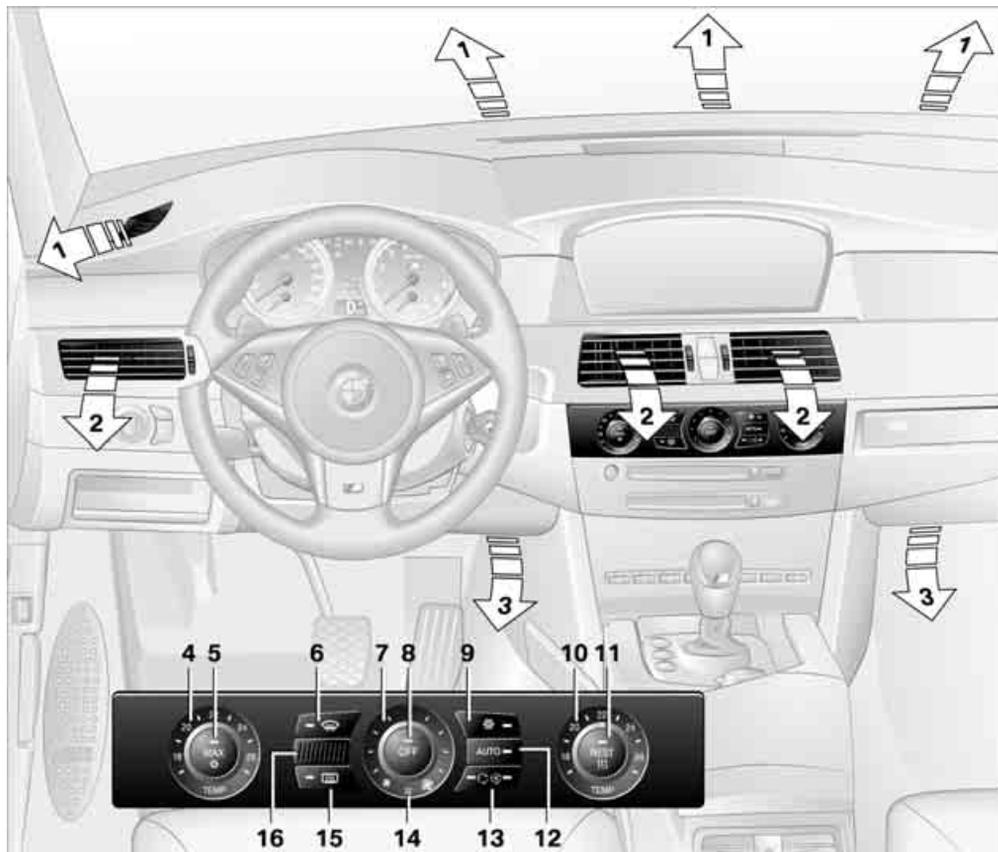


There are reading lights at the front and rear next to the interior light. To switch on/off, press the button.

▶ To protect the battery, all lights inside the car are switched off about 15 minutes after the ignition has been switched off. ◀

Controlled-temperature air for pleasant interior conditions

Automatic air conditioning



- 1 Air to windscreen and side windows
- 2 Air to the upper body area, see Ventilation at front on page 84
- 3 Air to footwells
- 4 Temperature, left-hand side of interior compartment
- 5 Maximum cooling effect
- 6 Defrosting and demisting windows
- 7 Air volume, adjusting manually
- 8 Switching off automatic air conditioning
- 9 Switching cooling function on/off manually
- 10 Temperature, right-hand side of interior compartment
- 11 Residual heat utilisation
- 12 AUTO program
- 13 Automatic Air Recirculation Control AUC/ recirculated-air mode
- 14 LED for independent ventilation control
- 15 Rear window heating

16 Air inlet grille for interior temperature sensor, keep unobstructed

The current setting for the air distribution is displayed on the control display.

Preferred interior climate

The AUTO program establishes the optimum air distribution and air volume for virtually all conditions. Select the interior temperature you find the most agreeable.

The following instructions inform you in detail how to adjust the settings.

AUTO program



The AUTO program takes charge of setting the air distribution to the windscreen and side windows, to the upper body and to the footwell, as well as the air volume. It in addition adapts your temperature requirements in the light of ambient seasonal influences.

The cooling function is switched on automatically in the AUTO program. A condensation sensor simultaneously regulates the program in such a way as to avoid or minimise condensation on the window surfaces.

Temperature control



You can turn this to select separate temperature settings for the driver's and front passenger's sides of the car.

During the journey, the chosen temperature is reached as quickly as possible, whatever the season, and maintained at a constant value.

Defrosting and demisting windows



This program removes ice and condensation quickly from the windscreen and from the front side windows.

Adjusting air volume manually



Turn to vary the air volume. You can switch the automatic function for the air volume back on by pressing the AUTO button.

Switching cooling function on/off manually



Air is cooled and dried when the cooling function is switched on, then reheated to suit the temperature setting. Depending on weather conditions, the windscreen may fog over momentarily when the engine is started.

The cooling function is only available while the engine is running and is automatically switched on with the AUTO program.

Maximum cooling effect



This program rapidly achieves the maximum cooling effect.

The system switches to the recirculated-air mode and air emerges at the maximum flow rate only via the outlets for the upper body. Be sure to keep these outlets open when you select this program.

Automatic Air Recirculation Control AUC/recirculated-air mode



If the air outside the car has an unpleasant odour or contains pollutants, the supply to the interior of the car can be shut off. The air inside the car is then recirculated. In the AUC mode, a sensor detects pollutants in the outside air and the ambient air supply is shut off automatically.

Three operating modes can be obtained in succession by pressing this button repeatedly:

- ▷ LED off: ambient air is constantly entering the car.
- ▷ Right-hand LED on, AUC mode: the system will identify pollutants in the ambient air and shut off the ambient air supply if necessary.
- ▷ Left-hand LED on, recirculated-air mode: the ambient air supply is permanently shut off.

 If the windows fog over in the recirculated-air mode, switch it off and, if necessary, increase the air volume. The recirculated-air mode should not be used continuously for lengthy periods, as the quality of the air inside the car will otherwise gradually deteriorate. ◀

Residual heat utilisation



Press the button with the engine switched off but still warm.

Heat from the engine is stored and used to heat the car's interior, for instance when waiting at a level crossing.

With the ignition key in position 1 or beyond, you can adjust the settings of the automatic air conditioning system.

You can use this function for up to 15 minutes after switching off the engine if it is warm and the battery is sufficiently well charged. The LED in the button comes on if these conditions are met.

Switching off automatic air conditioning



The air volume, the heating and the cooling function are switched off.

The automatic air conditioning can be switched on again by pressing any button except the REST button.

Adjusting via iDrive

With the ignition key in position 2, you can adjust the settings of the automatic air conditioning system via iDrive.

iDrive, operating principle, see page 14.

1. Press the **MENU** button. The start menu is called up.



2. Move the controller to the left to call up "Climate".

You can adjust the following:

- ▷ Manual air distribution, separate settings for driver's and front passenger's side
- ▷ Temperature for the upper body area
- ▷ Intensity of the AUTO program

The settings are saved for the remote control currently in use.

Manual air distribution

You can specify the air distribution settings and also select the air temperature settings for the upper body area.

1. Select "Air distribution" and press the controller.
2. Select the desired field by moving the controller and turn the controller to adjust the air distribution.



- 1 Air to the windscreen and side windows, driver's side only
- 2 Air to the upper body area
- 3 Air to footwells

To select the front passenger's side:
Move the controller to the right.

 Pressing the AUTO button cancels the air distribution settings at the control display, and vice-versa. ◀

Adjusting temperature for the upper body area

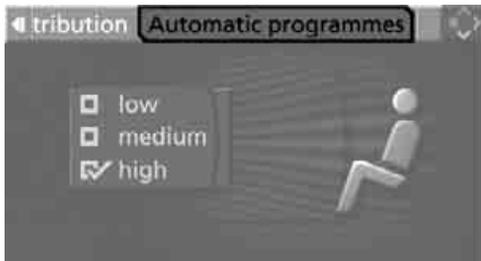
1. Select "Air distribution" and press the controller.
2. Select the field by moving the controller and turn the controller to adjust the temperature.



Adjusting intensity of AUTO program

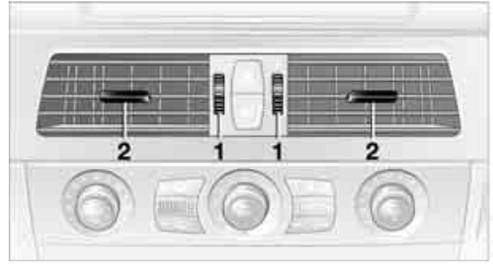
You can reduce or boost the intensity of the automatic air conditioning in line with your individual requirements.

1. Select "Automatic programmes" and press the controller.



2. Select the desired intensity and press the controller.

Ventilation at front



- 1 Knurled wheels for continuous opening and closing of the vents
- 2 Lever for adjusting the direction of the airflow

 Do not drop any foreign objects into the outlets, otherwise they could be blown out with some force and cause injury. ◀

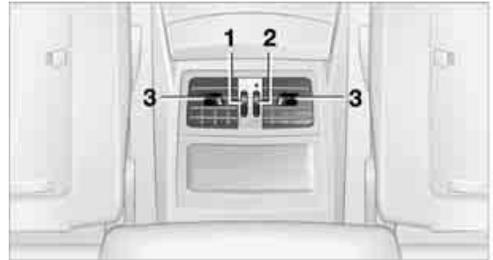
Ventilation for cooling

Adjust the outlets so that cool air is directed towards you, e.g. if the car's interior has become hot.

Draught-free ventilation

Turn outlets so that the airflow passes the occupants without striking their bodies directly.

Rear-seat area ventilation



- 1 Knurled wheel for continuous opening and closing of the outlets
- 2 Knurled wheel for adjusting the temperature:
 - ▷ Turned towards blue: cooler
 - ▷ Turned towards red: warmer
- 3 Lever for adjusting the direction of the airflow

Micro-filter and activated charcoal filter

The micro-filter traps dust and pollen in the incoming air. The activated charcoal filter in addition removes gaseous pollutants from the air entering the car. This combined filter is changed by BMW Service during routine maintenance work.

You can call up further information on the control display, see page 60.

Independent ventilation control

The independent ventilation control ventilates the interior of the car and lowers its temperature as necessary.

The independent ventilation control is operated via iDrive. Two different switch-on times can be preset.

The independent ventilation control runs for 30 minutes. It can also be switched on and off directly. Since its current consumption is high, you should not run it twice in succession unless there has in the meantime been an opportunity to recharge the car's battery by driving the car.

The independent ventilation control is operational at any outdoor temperature up to ignition key position 1.

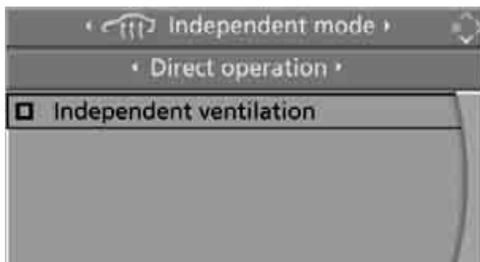
Air emerges from the outlets for the upper body area in the instrument panel. The outlets must therefore be open.

Switching on/off directly

iDrive, operating principle, see page 14.

1. Call up start menu.
2. Move the controller to the left to call up "Climate".
3. Select "Independent mode" and press the controller.
4. Select "Direct operation" and press the controller.

5. Select "Independent ventilation" and press the controller.



The independent ventilation control is switched on; the LED  flashes.

Preselecting switch-on times

iDrive, operating principle, see page 14.

1. Call up start menu.
2. Move the controller to the left to call up "Climate".
3. Select "Independent mode" and press the controller.
4. Select "Switch-on times" and press the controller.

 Two successive switch-on times must be at least 31 minutes apart. ◀

5. Move the controller to the left or right to select "Timer 1" or "Timer 2".
6. Select the time and press the controller. The first part of the setting is selected.



7. Turn the controller to make the adjustment.
8. Press the controller to adopt the setting. The next part of the time setting is selected.
9. Complete the setting. Once the setting has been completed, the time is memorised.

Activating the switch-on time

Move the controller to the left or right to select "Timer 1" or "Timer 2", and press the controller.



The switch-on time is activated; the LED  is lit.

The independent ventilation control will only be switched on within the next 24 hours. After this, the time must be activated again. ◀

Integrated universal remote control*

The principle

The integrated universal remote control replaces up to three different hand-held transmitters for various systems or devices that are operated by radio remote control, for example a gate opener and domestic alarm systems. The integrated universal remote control identifies and learns the signals transmitted by the original hand-held transmitters.

The signal from an original hand-held transmitter can be programmed to one of the three memory buttons **1**. The system in question can then be operated with the memory button **1** programmed in this way with the ignition key in position **2**. Transmission of the signal is shown by the LED **2**.

If and when you decide to sell your car, in the interests of security delete the programmed functions first, see page [88](#).

 During the programming operation and before a programmed system is operated with the integrated universal remote control, make sure that no persons, animals or objects are within the pivoting or movement range of the system in question, otherwise there is a risk of injury or damage. Likewise comply with the safety instructions supplied with the original hand-held transmitter. ◀

Checking compatibility

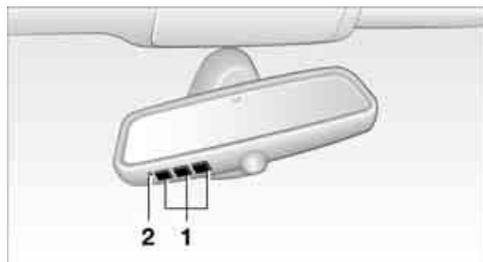
 If this symbol appears on the pack or in the instructions supplied with the original hand-held transmitter, you can assume that the radio remote control device will be compatible with the integrated universal remote control.

A list of compatible hand-held transmitters is available from the fax polling number +49 (0)6838 907 283 3333. If you would like more details, please call the tollfree Homelink

hotline at +49 (0)6838 907 277, or 0800 0466 35465 from within Germany.

HomeLink is a registered trademark of Johnson Controls.

Programming



- 1 Memory buttons
- 2 LED

Fixed-code hand-held transmitter

1. Turn ignition key to position **2**.
2. When using for the first time: press the two outer memory buttons **1** for approx. 20 seconds, until the LED **2** flashes. All memorised programs are deleted.
3. Point the original hand-held transmitter at memory buttons **1** at a distance of approx. 5 to 20 cm (2 to 8 in).

 The required distance between the hand-held transmitter and memory buttons **1** depends on the system according to which the original hand-held transmitter operates. ◀

4. Press the command button on the original hand-held transmitter and the desired memory button **1** on the integrated universal remote control at the same time. The LED **2** initially flashes slowly. When the LED **2** starts to flash rapidly, release both buttons. If the LED **2** does not start to flash rapidly after approx. 15 seconds, change the distance.

- To program additional original hand-held transmitters, repeat steps 3 and 4.

The corresponding memory button **1** is now programmed with the same signal as the original hand-held transmitter.

You can operate the system in ignition key position 2.

 If the system cannot be operated even after repeated programming, check whether the original hand-held transmitter uses an alternating-code system. To establish this, either consult the operating instructions for the original hand-held transmitter or press the programmed memory button **1** on the integrated universal remote control for longer. If the LED **2** on the integrated universal remote control flashes rapidly for a short while and then remains lit for about two seconds, the original hand-held transmitter uses an alternating-code system. If it uses an alternating-code system, program the memory buttons **1** as described under Alternating-code hand-held transmitter. ◀

Alternating-code hand-held transmitter

To program the integrated universal remote control, consult the operating instructions for the device to be operated. The instructions should indicate what scope there is for synchronisation.

When programming an alternating-code hand-held transmitter, the following points should in addition be noted:

 Programming will be easier if another person is available to assist you. ◀

- Park your car within the range of the radio remote control device.
- Program the integrated universal remote control as described above in Fixed-code hand-held transmitter.
- Establish the location of the button on the receiver of the device to be operated, e.g. on the drive system.
- Press the button on the receiver of the device to be operated. Once step 4 has

been performed, step 5 must be completed within about 30 seconds.

- Press programmed memory button **1** on the integrated universal remote control three times.

The corresponding memory button **1** is now programmed with the same signal as the original hand-held transmitter.

Deleting memorised programs

Press the two outer memory buttons **1** for approx. 20 seconds, until the LED **2** flashes: all memorised programs are deleted.

It is not possible to delete programs individually.

Roller sun blinds*

Roller sun blind for rear window



Press the button in the driver's door.

Roller sun blinds for rear side windows

Pull the blind out at its loop and secure it to the retainer.

Glove box

Opening



Pull the handle. The light in the glove box comes on.

Closing

Swing the lid up.

 After using the glove box while the car is moving, close its lid without delay, so that it cannot cause injury in the event of an accident.

This also applies to the lid* of the compartment next to the steering column. ◀

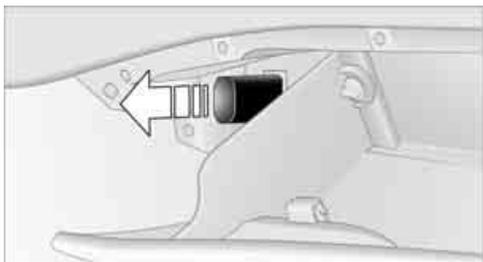
Locking

Lock with a master key. The glove box can likewise only be unlocked with a master key.

 If you hand over only the spare key, for example to hotel staff, see page 26, the glove box cannot be unlocked. ◀

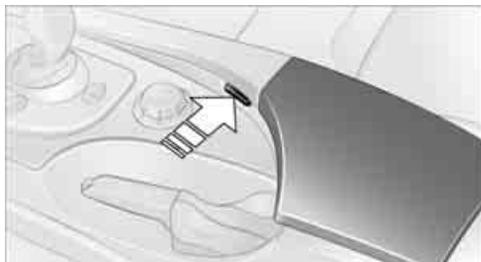
Rechargeable hand lamp

This is inside the glove box, on the left. The lamp can remain permanently plugged in. Pull the lamp out of its holder whenever it is needed.



 Make sure that the lamp is switched off before inserting it in the holder, otherwise damage could occur. ◀

Centre armrest



There is a storage compartment in the armrest between the front seats.

To open the lid:

Press the button. The lid opens and can be folded up.

The mat in the compartment can be removed for ease of cleaning.

Depending on version, the storage compartment contains either a fold-out compartment* or a mobile phone holder*.



To open compartment*:
Press the button and fold the lid up.

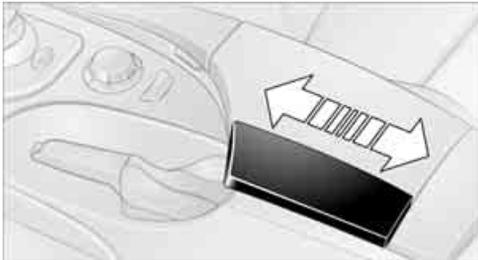
The fold-out compartment* and the mobile phone holder* can be folded up for access to the lower part of the storage compartment.

Ventilation for storage compartment in front armrest

1. Fold the fold-out compartment* or the mobile phone holder* up.
2. Open or close the slide cover in the storage compartment.

 The temperature inside the storage compartment may become quite high, depending on the automatic air conditioning settings. Close the outlet if necessary. ◀

Adjusting*



Slide the centre armrest to the desired position.

Storage compartments

Storage compartment on centre console between front seats

To open, press back the cover.

Other compartments

There are further compartments next to the steering column*, on the doors and in the centre console at the front* and rear*.

There are elasticated pockets on the backs of the front seats, and there is a net* in the front passenger's footwell.

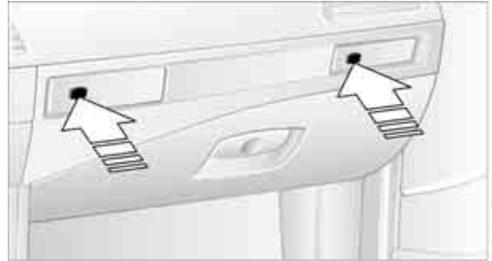
 Do not place hard or sharp-edged objects in the elasticated pockets or net, otherwise there will be an increased risk of injury in the event of an accident. ◀

Coat hooks

 Items of clothing hung from the hooks must not obstruct the driver's view. Do not hang any heavy objects from the hooks, as

even heavy braking or sudden swerving could be sufficient to endanger the car's occupants. ◀

Drinks holders



To open:
Briefly press the button.

 Do not place glassware in the drinks holders, otherwise there is an increased risk of injury in the event of an accident. ◀

To close:
Press the centre of the trim and push in the drinks holder.

Front ashtray*

Opening

Push back the cover.

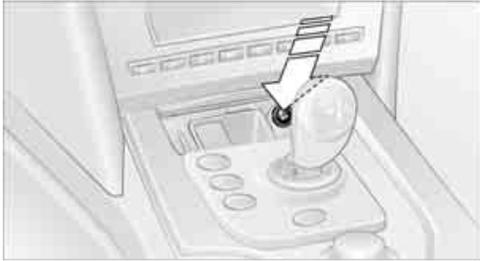
Emptying



Press the ashtray at the front: it pops up and can be removed.

On cars with non-smoker package, the insert is removed in the same way.

Cigarette lighter, front*



With the ignition key in position 2, press in the cigarette lighter.

The cigarette lighter can be removed when it pops back out.

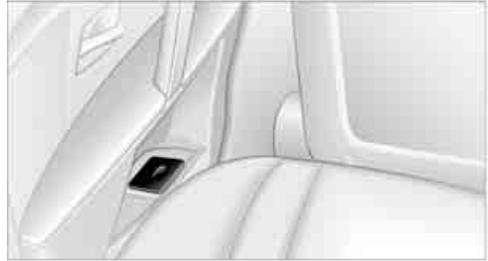
⚠ Hold the hot cigarette lighter only by its knob, otherwise you may suffer burns. When leaving the car, remove the ignition key, otherwise children could operate the cigarette lighter and possibly burn themselves. ◀

Power sockets

With the ignition key in position 2, the cigarette lighter socket can also be used as a power socket for a 12 Volt torch or car vacuum cleaner etc. rated at up to about 200 Watt. Make sure that the socket is not damaged by attempting to insert plugs of the wrong pattern. This applies to all power sockets in the car.

The socket is fitted with a detachable cap in conjunction with the non-smoker's package.

Rear ashtray*



Emptying

Press the entire lid down. The ashtray pops up and can be removed.

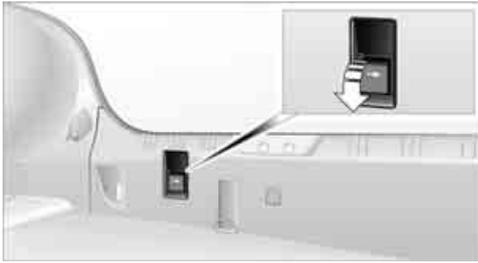
Power sockets

At rear

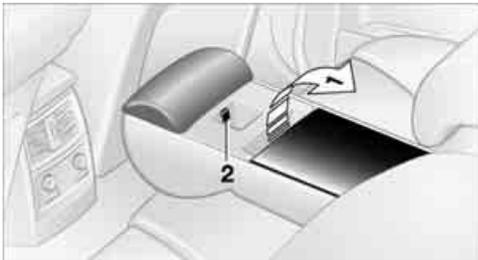


Depending on the equipment specification, the power sockets at the rear are fitted with caps or a cigarette lighter. See Cigarette lighter, front, further above.

In luggage compartment



Centre armrest at rear

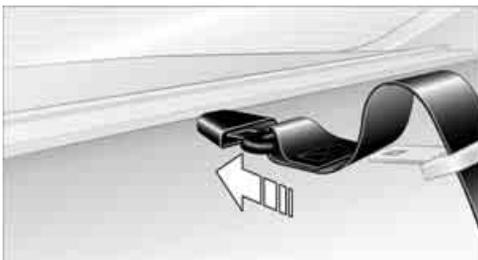


- 1 Storage compartment:
Pull up
- 2 To open drinks holder:
Press and open the cover

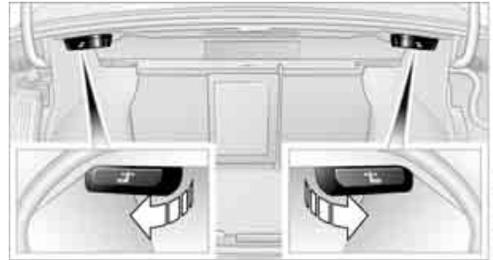
There is a better view to the rear with the centre armrest folded down.

Through-loading system*

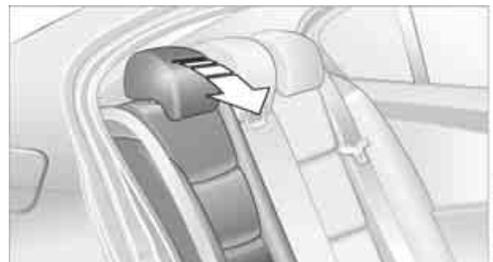
1. Open the belt buckle for the central seat belt at the rear and insert the tongue on the end of the belt in the designated mounting on the rear shelf.



2. Push the corresponding head restraint fully down, see page 39.
3. To release, pull the corresponding lever in the luggage compartment.



4. The released seat back moves forward slightly. Fold the seat back forward at the head restraint.



! When folding back up, make sure that the catch engages properly, otherwise even braking or swerving, for example, could cause items of luggage to be displaced forwards into the interior compartment, endangering the occupants. ◀

There are lashing eyes in the luggage compartment to which a net* or retaining straps can be attached when loads have to be secured, see page 99.

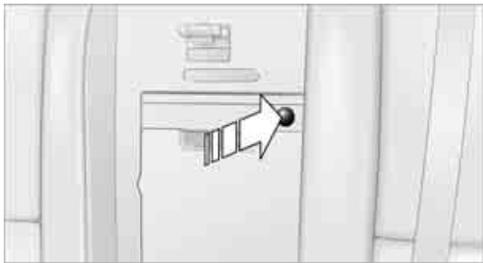
Ski bag*

This enables up to four pairs of standard skis or up to two snowboards to be carried safely and kept clean.

You can stow skis up to a length of 2.10 m (7 ft) with the aid of the ski bag. If skis of this length are carried, however, the capacity of the ski bag is lower in view of its tapered design.

Loading

1. Fold down the centre armrest, press the button and open the cover.

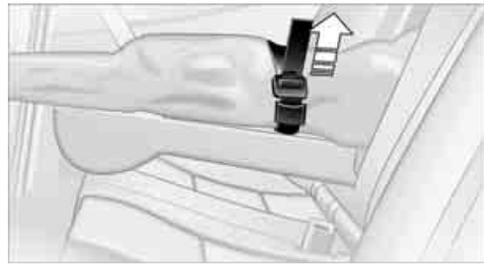


2. Press the button again; the cover in the luggage compartment opens. The cover in the luggage compartment will also open if you press the button hard enough the first time.
3. Lay out the ski bag between the front seats and fill it. The zip fastener provides better access to the objects stowed in the bag and facilitates drying the ski bag.
4. Insert the tongue of the ski bag retaining strap in the centre belt buckle marked CENTER.



Make sure that the skis are clean before they are inserted into the bag. Wrap protective material around any sharp edges to avoid causing damage.

Securing the load



After loading the ski bag, secure the bag and its contents by tightening the retaining strap at its turnbuckle.

 Secure the ski bag in the manner described, otherwise even heavy braking or sudden swerving could be sufficient to endanger the car's occupants. ◀

To stow away the ski bag, follow the opposite procedure as for loading.

Removing ski bag

The ski bag can be removed completely, e.g. for ease of drying or so that you can use other fittings in its place.

 For more information on the various fittings available, contact BMW Service. ◀



1. Pull the handle forwards and lift out the ski bag.
2. Close the cover in the luggage compartment.



Driving hints

Here is a variety of information that you may need in particular driving situations or operating modes.

Driving precautions

Running-in

Moving parts need a certain time to achieve maximum operating efficiency as a unit. Please comply with the following instructions, which are intended to ensure that your car achieves its optimum operating life and economy.

Engine and final drive

Up to 2000 km (1250 miles):
Drive at varying road and engine speeds, but do not exceed the following maximum values:

5500 rpm or 170 km/h (106 mph).

Observe the national speed limits in the country in which you are travelling.

Avoid full throttle and do not use the automatic transmission kick-down.

From 2000 to 5000 km (1250 to 3100 miles):
The engine and road speeds can be gradually increased. A maximum speed of 220 km/h (137 mph) is permissible for brief periods, e.g. overtaking manoeuvres; do not exceed this speed.

During running-in, do not use driving programs 5 and 6, see Drivelogic on page 50, or Launch Control, see page 51.

Gearbox

The gearbox needs to be run in for about 500 km (300 miles) before it will operate with maximum efficiency. During this period, do not exceed an engine speed of 5500 rpm.

During the running-in period, do not use the Drivelogic driving programs 5 and 6 or Launch Control.

Tyres

New tyres do not achieve their full road grip immediately, for production reasons. You should therefore drive in a restrained manner for the first 300 km (200 miles).

Brake system

Brake pads and discs do not achieve a favourable wear and contact pattern until the car has covered about 500 km (300 miles).

Clutch

The clutch needs to be run in for about 500 km (300 miles) before it will operate with maximum efficiency. During the running-in period, do not use the Drivelogic driving programs 5 and 6 or Launch Control.

After fitting new parts

The same running-in procedures should be observed if any of the components listed above have to be renewed in the course of the vehicle's operating life.

General driving notes

Closing the luggage compartment lid



Drive only with the lid fully closed, otherwise exhaust gases could enter the passenger compartment. ◀

If it is nevertheless necessary to travel with the luggage compartment lid open, observe the following precautions:

1. Close all windows and the glass roof.
2. Increase the air volume from the automatic air conditioning considerably, see page 82.

Hot exhaust system



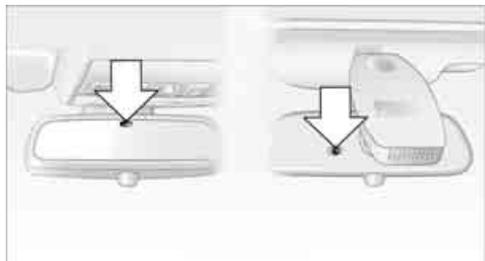
High temperatures occur on all vehicles equipped with a catalytic converter.

Never remove the heat shields protecting the exhaust system, nor apply underseal to them. Make sure that when the car is driven or parked and when the engine is idling, no easily flammable material such as hay, leaves, grass, etc. comes into contact with the hot exhaust system. It could ignite and cause a fire, with the risk of severe injuries or damage. ◀

Mobile communication equipment

! BMW advises against the use of mobile communication equipment such as mobile phones inside the car, unless they are directly connected to an outside aerial. Mutual interference between the vehicle's electronics and such equipment cannot be entirely ruled out. There is moreover no guarantee that the radiation generated when such devices are transmitting will be dissipated out of the vehicle's interior. ◀

Inside and outside mirrors, automatic-dim*



There are two photo-cells in the inside mirror for this purpose. One photo-cell is in the mirror glass, the other slightly offset on the back of the mirror.

In order to ensure that the system functions correctly, keep the photo-cells clean, do not cover the area between the inside mirror and windscreen, and do not affix adhesive labels or stickers of any kind to the windscreen directly in front of the mirror.

Aquaplaning

! When driving on wet or slushy surfaces, reduce speed to prevent a wedge of water from forming between the tyre and the road. This situation, known as aquaplaning, means that the tyre can actually lose contact completely with the road surface, so that neither the car can be steered nor the brake be properly applied. ◀

The risk of aquaplaning increases along with declining tread depth on the tyres, see also Minimum tread depth on page 164.

Wading

! Drive through water only to a max. depth of 30 cm (12 in), and no faster than walking pace, otherwise the engine, electrical system and transmission may be damaged. ◀

Starting on uphill gradients

Starting assistance enables you to move off uphill with virtually no rolling back.

1. Ensure that the handbrake is released.
2. Release the footbrake and move off within approx. 1 second.

! Depending on the vehicle's load or when towing a trailer, it may roll back slightly. The car will start to roll approx. 1 second after the footbrake has been released, as it is then no longer being held by the starting assistance. ◀

! Drive off quickly when moving off on an uphill gradient. Do not use the accelerator to prevent the car from rolling back down a slope; apply the footbrake or handbrake, otherwise the Sequential M Gearbox could overheat and incur severe wear. ◀

To protect the clutch of the Sequential M gearbox against overheating, the starting response is modified under high loads, e.g. moving off frequently and in rapid succession on uphill gradients. A jolting action during moving off will serve as an indication of this.

Safe braking

Your BMW is equipped with ABS as standard. Where a situation requires you to apply the brakes hard, you are advised to do so. Since the car remains steerable, you can avoid obstacles by turning the steering wheel as smoothly as possible.

Pulsating of the brake pedal is a sign that ABS has cut in.

In certain braking situations, the perforated brake discs may generate a degree of operating noise which nevertheless has no bearing on the performance and reliability of the brakes themselves.

Wet roads

In wet conditions or heavy rain, apply the brakes briefly with slight pedal pressure every few kilometres or miles. When doing so, make sure that no other road user is endangered. The resulting heat dries the brake discs and pads. The braking force will then be available immediately if needed.

Downhill gradients

 To avoid impairing the efficiency of the brake system as a result of overheating, drive down long or steep descents in the gear that allows you to keep brake applications to a minimum. Otherwise even slight continuous pressure on the brake pedal could cause overheating, brake pad wear or even brake system failure. ◀

 Never drive with the selector lever in neutral or with the engine switched off; engine braking action will not be present with the gearbox or transmission in neutral and there will be no power assistance to the brakes or steering while the engine is switched off. Make sure that the full travel of the brake and accelerator pedals is not obstructed by floor mats, carpets or other objects. ◀

Corrosion of brake discs

If the car is used only for short distances, is not used for lengthy periods or is subjected to only minor loads, the brake discs will be particularly susceptible to corrosion and the brake pads will collect dirt; this is because the necessary brake pressure for a self-cleaning effect has not been generated.

When the brakes are applied, corroded discs tend to judder, and even lengthy brake applications usually fail to eliminate this effect entirely.

When vehicle is parked

Moisture condensate forms in the automatic air conditioning and is discharged underneath the car. Traces of water on the ground are therefore normal.

Before entering a car wash

Fold in the outside mirrors, see page 41, as they could otherwise be damaged due to the car's width.

Ground clearance

 Make sure that there is sufficient ground clearance. For driving over kerbs, select the "Sport" program in Electronic Damping Control EDC, see page 70, to keep ground clearance as even as possible. The vehicle could otherwise incur damage. ◀

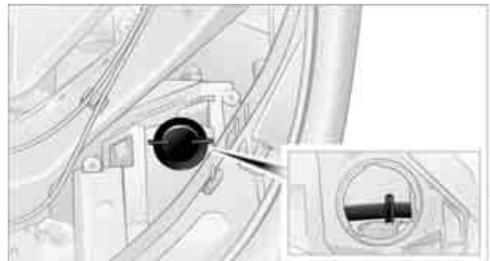
Rule of the road

When entering countries where the traffic drives on the opposite side of the road to the country in which your car is registered, certain measures are necessary to avoid dazzling the drivers of oncoming vehicles.

Xenon headlights

 Do not make adjustments while the headlights are still hot, otherwise there is a risk of burns. ◀

1. Switch off the lights and turn the ignition key to position 0.
2. In the engine compartment, turn the stoppers on the headlights anti-clockwise and remove.

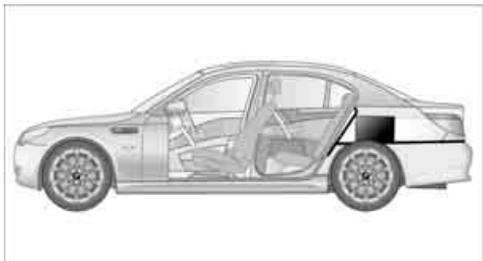


3. Driving on left: push each lever towards the middle of the car.
Driving on right: push each lever towards the outer edge of the car.

Load

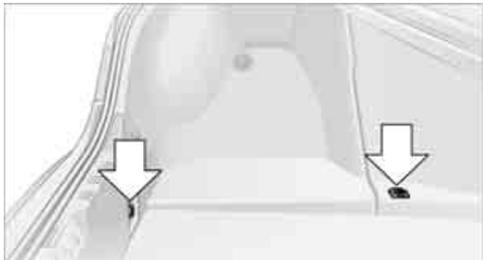
 Avoid overloading the car, as this could cause the tyres' load capacity limit to be exceeded. The tyres could then overheat and sustain internal damage. This could lead to sudden pressure loss. ◀

Loading



- ▷ Position heavy objects low down and as far forward as possible, ideally directly behind the rear seat back.
- ▷ Wrap protective material round sharp corners and edges.
- ▷ When carrying very heavy loads with no passengers on the rear seat, insert each of the outer seat belts into their opposite buckles.
- ▷ Do not stack items higher than the top edge of the seat backs.

Securing the load



- ▷ Small and relatively light items can be retained with the tensioning straps, a load-area net* or other suitable straps.
- ▷ BMW Service can supply suitable lashings* for securing larger or heavier loads. To

secure these lashings, there are four eyes in the luggage compartment, see picture.

- ▷ Please note the information supplied with load securing equipment.

 Stow and secure the load as described above, so that it cannot endanger the car's occupants merely if sudden braking or avoiding action is necessary.

Do not exceed the car's permitted gross weight or the axle load limits, see page 192, otherwise the car's operating safety may be endangered and the construction and use regulations infringed.

Heavy or hard objects should not be carried loose inside the passenger compartment, since they could be dislodged merely by heavy braking, sudden swerving or similar, and endanger the occupants. ◀

Roof rack*

A special roof rack system is available as an accessory for your BMW. If it is used, please comply with the installation instructions supplied.

Mounting points



The mounting points are located in the door cutouts.

Loading the roof rack

A loaded roof rack alters the car's road behaviour and steering response quite considerably, by moving its centre of gravity.

When loading the roof rack, ensure that the specified roof load limit, the car's gross weight limit and the axle loads are not exceeded.

The relevant figures are shown under Weights on page 192.

The roof load must be uniformly distributed and should not be too large in area. Heavy items of luggage should always be placed at the bottom. Make sure that there is sufficient clearance for raising the glass roof and that no objects extend back far enough to be struck by the luggage compartment lid when it is opened.

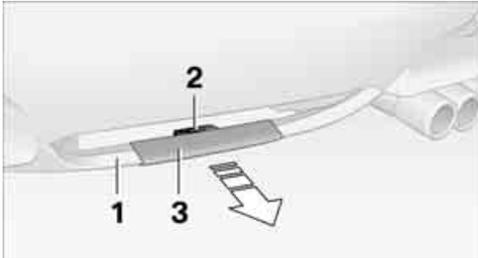
Correct, secure loading of the roof rack will prevent items from shifting or falling off during the journey.

Drive smoothly and avoid violent acceleration, braking or cornering.

Towing a trailer

The trailer load limit is given on page 192 onwards. It is also entered in the car's registration papers.

Cover flap



Removing

Pressing the diffuser **1** with one hand, pull down the tongue **2** at its front edge and pull off the cover **3** to the rear.

Fitting

Offer up the cover **3** from the rear, insert it in the guides and press it in fully.

Trailer tow hitch*

If a trailer tow hitch is fitted by the manufacturer, the vehicle will be equipped with uprated suspension at the rear as standard.

Look after a detachable ball end in accordance with the manufacturer's operating instructions, to ensure that it can be fitted and removed without difficulty.

Due to the body reinforcements at the rear end of the vehicle, the effect of the regenerable bumper system is limited.

Fitting and removing

The ball hitch is located in the luggage compartment, beneath the floor panel flap.

 As a result of its proximity to the exhaust, the ball hitch may become very hot while inside the luggage compartment. Allow the ball hitch to cool down before carefully removing it, to avoid the risk of burns. ◀

The procedure for fitting and removing the ball hitch is described in the enclosed manufacturer's operating instructions.

Before a journey

Nose weight

The nose weight limit is given on page 192. The nose weight should be kept close to this limit. It is important to ensure that the nose weight is never less than a minimum of 25 kg (55 lb).

The trailer's nose weight affects the towing vehicle and thus increases its weight. The weight of the trailer tow hitch and the nose weight reduce the maximum payload of your BMW. Please ensure that these do not cause the gross weight limit of the towing vehicle to be exceeded if a trailer is being towed.

Loads

When loading the trailer, make sure that the weight is kept as low as possible and stowed if possible close to the axle.

A low centre of trailer gravity makes the outfit much more stable and safe to drive.

Do not exceed either the trailer's permitted gross weight or the specified permitted towing load for the car. The smaller value is the limit which should be adhered to.

Tyre pressures

Check the car's and the trailer's tyre pressures most carefully. For the car, the inflation pressures for heavy loads apply, see page 164. After each correction of the tyre pressures, reinitialise the Run Flat Indicator, see page 71. Comply with the manufacturer's specifications for the trailer.

Run Flat Indicator

Reinitialise the Run Flat Indicator after a trailer has been attached or detached, see page 71.

Outside mirrors

Two outside mirrors which bring both rear corners of the trailer into your field of view are required by law. Mirrors of this kind can be obtained from BMW Service.

Electrical consumers

When towing a caravan, try to avoid operating electrical equipment for too long at a time, in order to limit the drain on the car's battery.

 Before starting a journey, check that the trailer's rear lights are operating correctly. It is an offence to drive without functioning rear lights, which would moreover put other road users at risk. ◀

Towing a trailer

 Observe the speed limit in the country in which you are driving, but do not exceed 80 km/h (50 mph) when towing a trailer, otherwise the outfit may become unstable. ◀

Counteracting snaking

If the trailer nevertheless begins to snake, the outfit can only be stabilised by braking hard immediately. Only attempt to steer out of the situation if this is absolutely essential, and make any steering movements as cautiously as possible and without endangering other road users.

Gradients

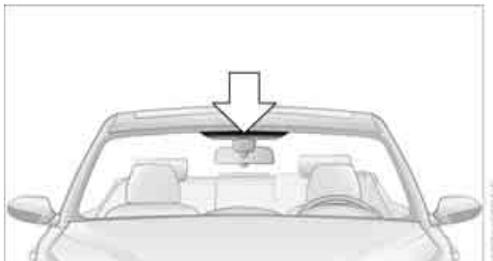
In the interests of safety and to avoid holding up other traffic, do not attempt to climb gradients steeper than 12%. If a supplementary permit for heavier towing loads has been obtained, the limit is 8%, see page 192.

Downhill gradients

Special care must be taken when descending gradients, where a trailer is more susceptible to snaking.

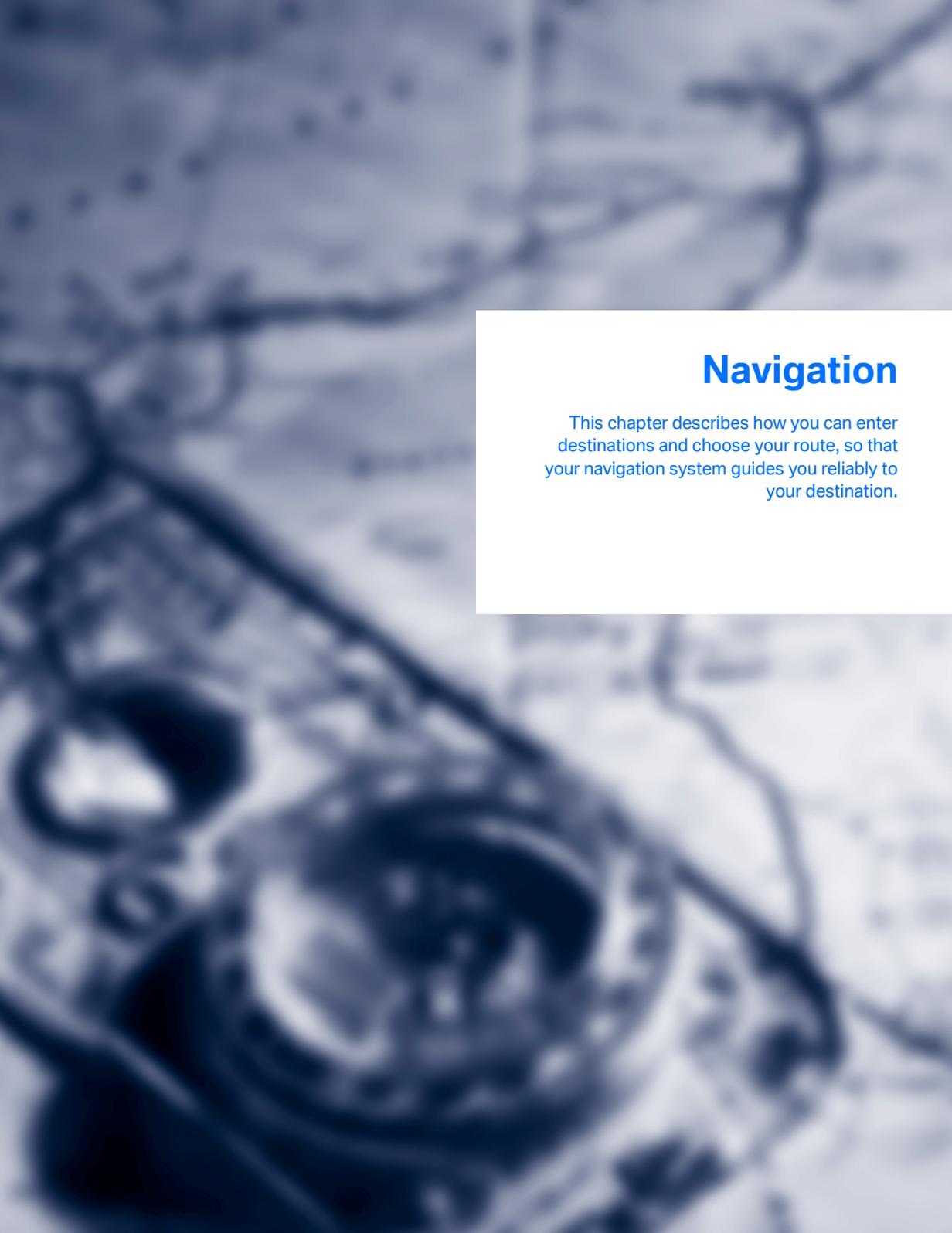
Before starting to descend, always change down to the next lower gear, if necessary as far as first gear, and drive down the hill slowly.

Climatic comfort windscreen*



Use the area marked in the illustration for affixing your garage door opener, electronic toll metering devices or similar. This area does not have an infrared-reflective coating and is clearly visible from the interior.





Navigation

This chapter describes how you can enter destinations and choose your route, so that your navigation system guides you reliably to your destination.

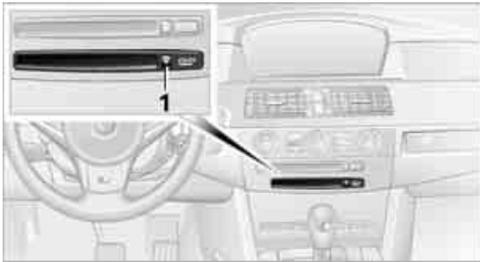
Starting navigation system*

Your navigation system can determine the precise position of your car by means of satellites and guide you reliably to any specified destination.

Navigation DVD

A special navigation DVD is required for the navigation system. This navigation DVD differs for the Professional and Business navigation systems. The latest version can be obtained from BMW Service.

Professional navigation system*



Use the lower drive for the navigation DVD.

Business navigation system*



Use the same drive for navigation DVDs and audio CDs.

All the data required for each route guidance procedure is held in the navigation system's buffer memory. The navigation DVD can then be removed during route guidance. This enables you to listen to audio CDs during route

guidance. A message appears on the control display if new data from the navigation DVD is required.

If you change the navigation DVD, a destination that has not been saved will be deleted.

Inserting navigation DVD

1. Insert the navigation DVD with the label side uppermost.
2. Wait for several seconds to allow the contents of the DVD to be read in.

Removing navigation DVD

1.  Press button 1.
The DVD is ejected part way out of the drive.
2. Remove the DVD.

If it is not possible to eject the DVD from the drive, it could be jammed.

Display in the assistance window

With the Professional navigation system:

You can have the route or your current position displayed in the assistance window. This information remains displayed even if you change to another application.

1. Move the controller to the right to change to the assistance window.



2. Press controller.
Further menu items are displayed.
3. Select the desired view of the route or "Vehicle position".



4. Press controller.

The assistance window is constantly updated as you travel.

Destination input

You can choose from the following options for entering a destination:

- ▷ Entering a destination manually, see below
- ▷ Selecting the destination via Information, see page 110
- ▷ Selecting a destination from a list, see Destinations list, page 111
- ▷ Selecting a destination from the address book, see page 112
- ▷ Selecting home address, see page 114

Once you have selected a destination, you are ready to start route guidance, see page 117.

Using navigation system

 Only enter data when the car is standing still, and always obey the traffic regulations and road signs in the event of any contradiction between the traffic situation and the instructions given by the navigation system. Failure to do so may result in an infringement of traffic laws and put the car's occupants and other road users at risk. ◀

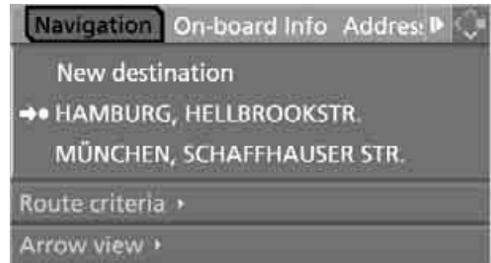
iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.



2. Move the controller to the right to call up "Navigation".

3. Select "Navigation" and press the controller.



Entering a destination manually

The wordmatch principle makes the input of place-names and streets easier. This principle enables you to enter alternative spellings and automatically completes your input, so that stored place-names and streets can be called up rapidly.

1. Select "Navigation" and press the controller.
"New destination" is selected.
2. Press controller.



3. Select "Address input" and press the controller.



The system in addition supports you with the following special features:

- ▷ If you do not enter a street name, you will be guided to the centre of the town or city.
- ▷ You can skip input of the country, town or city if you wish to retain previous inputs.

The commands for the voice input system* differ from the individual menu items on the control display for destination input. You should therefore have the available spoken commands read out, see page 20.

Selecting country

1. Select "Country" or the country displayed and press the controller.
The list of available countries is displayed.

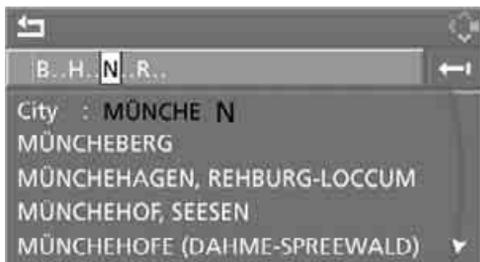


2. Select destination country and press the controller.
With the Professional navigation system, "Europa" can also be selected.

In order to start route guidance, at least the town/city or its postcode must be entered.

Entering destination

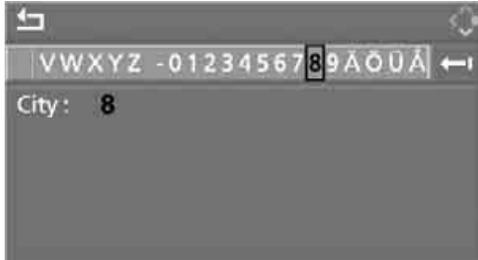
1. Select "City" or the town/city displayed and press the controller.
A list of all places starting with that letter is shown on the control display.
2. Select the initial letter and press the controller.
The list is gradually narrowed down with every subsequent letter that you enter.



- ▷ To enter spaces:
Select the _ symbol and press the controller.
 - ▷ To delete individual numbers or letters:
Move the controller to the right to select ←| and press the controller.
 - ▷ To delete all numbers or letters:
Move the controller to the right to select ←| and press the controller for longer.
4. Move the controller back if necessary to select the town/city from the list and press the controller.

Entering destination via postcode

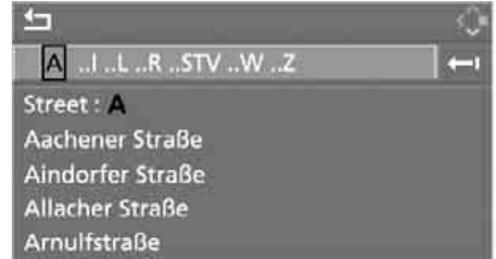
1. Select "City" or "City / Postcode" and press the controller.
2. Entering postcode:
Select the individual characters and press the controller each time.



- ▷ To enter spaces:
Select the _ symbol and press the controller.
 - ▷ To delete individual numbers or letters:
Move the controller to the right to select **←|** and press the controller.
 - ▷ To delete all numbers or letters:
Move the controller to the right to select **←|** and press the controller for longer.
3. Select postcode and press the controller.
The name of the appropriate destination is displayed.
 4. Move the controller back if necessary to select the town/city and press the controller.

Entering street, house number and junction

1. Select "Street" or the street displayed and press the controller.
2. Enter the street.
The street is entered in the same way as the town/city.



After entering the street, you can in addition enter the junction or house number.

Enter the junction in the same way as the street.

Entering the house number:

1. Select "Building number" and press the controller.
2. To enter the house number:
Select the individual characters and press the controller each time.
 - ▷ To enter spaces:
Select the _ symbol and press the controller.
 - ▷ To delete individual numbers or letters:
Move the controller to the right to select **←|** and press the controller.
 - ▷ To delete all numbers or letters:
Move the controller to the right to select **←|** and press the controller for longer.
3. Move the controller back if necessary to select the house number and press the controller.

Only house numbers that are stored on the navigation DVD for the street in question can be entered.

With the Business navigation system:

If not all the house numbers in a street are stored on the navigation DVD, a selection with ranges of numbers is displayed.

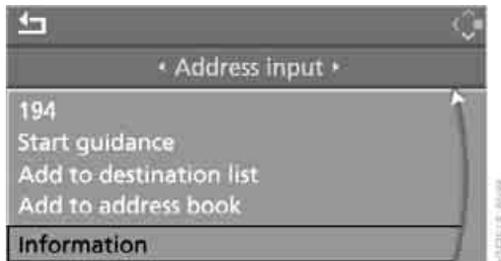
Starting route guidance from a manual destination input



Select "Start guidance" and press the controller. Route guidance is started immediately. If route guidance does not start straight away: Select "Add to destination list" and press the controller. The destination is stored in the destinations list, see page 111.

Displaying information on the destination

With the Business navigation system:

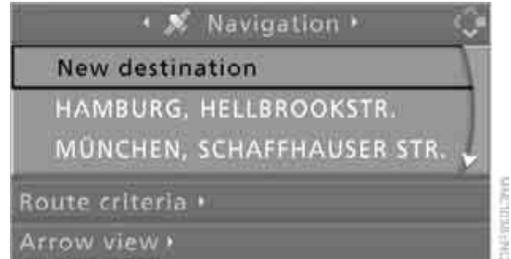


Select "Information" and press the controller. For further notes on the information, see page 110.

Selecting the destination via map

With the Professional navigation system: If you know only the position of a place or street, you can enter the destination with the aid of a map. You can narrow down the destination on the map by means of cross-hairs and then transfer it for route guidance.

1. Select "Navigation" and press the controller. "New destination" is selected.
2. Press controller.



3. Select "Destination input map" and press the controller.



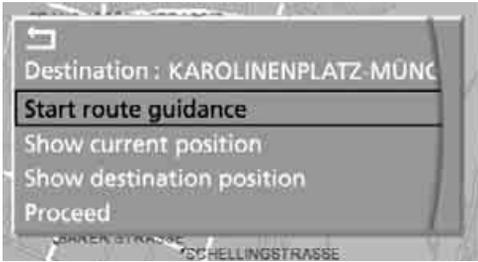
A map section is displayed on the control display:

- ▷ Around the current destination during route guidance
- ▷ Around the last destination entered if route guidance is switched off



4. Turn the controller to alter the scale. Move the controller in the desired direction to shift the map. The controller can be moved left, right, forward, back and also diagonally.

5. To transfer the destination for route guidance or save it, press the controller. The selected destination and further menu items are displayed.
6. Select the desired menu item:
 - ▷ "Start route guidance" starts route guidance.
 - ▷ "Show current position" places your current position at the centre of the map.
 - ▷ "Show destination position" places the current destination at the centre of the map.
 - ▷ "Proceed" changes back to the "Destination input map".
 - ▷  To exit the menu.



7. Press controller.

The map for destination input can also be called up in the map view:

1.  Select the symbol and press the controller.

Selecting the destination via Information

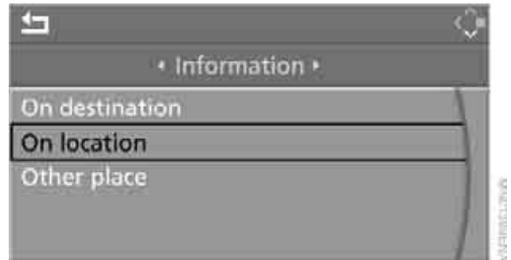
You can call up selected destinations, e.g. hotels, tourist attractions or hospitals, phone them and transfer these destinations for route guidance if you choose.

1. Select "Navigation" and press the controller. "New destination" is selected.
2. Press controller.

3. Select "Information" and press the controller.



4. Select place:
 - ▷ "On destination"
 - ▷ "On location"
 - ▷ "Other place"
 - ▷ With the Business navigation system: "On country"



5. Press controller.
6. Make your selection, e.g. "Hotels and restaurants", and press the controller. The control display shows destinations arranged by distance or in alphabetical order.



7. Select a destination and press the controller.

8. Select a menu item:
 - ▷ To transfer the address to the destinations list and start route guidance: Select "Accept as destination" and press the controller.
 - ▷ To establish a telephone connection: Select "Place call" and press the controller.
 - ▷ With the Business navigation system: To display the address and phone number, select "Details" and press the controller.

To exit the menu:

↩ Select the arrow and press the controller.

Destinations list

The last 20 destinations entered into the system are shown in the destinations list. You can call up these destinations and incorporate them into route guidance.

If you are planning a longer journey, for example, you can save all the destinations you wish to drive to in the destinations list in advance, see Entering a destination manually on page 106.

Select "Navigation" and press the controller.



The destination last entered is listed first in the destinations list.

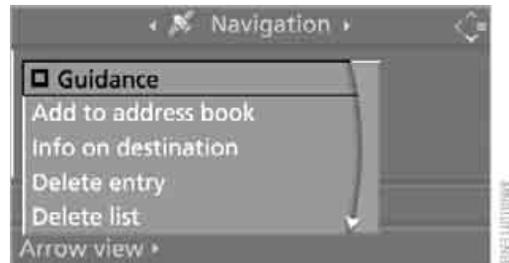
➡ This symbol identifies the current destination.

To show other destinations in the destinations list:

Turn controller.

Incorporating the destination into route guidance

1. Select the desired destination from the destinations list and press the controller.
2. Select "Guidance" and press the controller.



Route guidance is started.

Editing the destinations list

1. Select the desired destination in the destinations list and press the controller.
2. The selected destination can be edited:
 - ▷ To save the entry: Select "Add to address book".
 - ▷ To display information on the destination: Select "Info on destination".
 - ▷ To delete the entry: Select "Delete entry".
 - ▷ To delete all entries: Select "Delete list". Route guidance is switched off.
 - ▷ To change the entry: Select "Change". Operating principle, see Entering destination, page 107.
3. Press controller.

Address book

Calling up address book

iDrive, operating principle, see page 14.



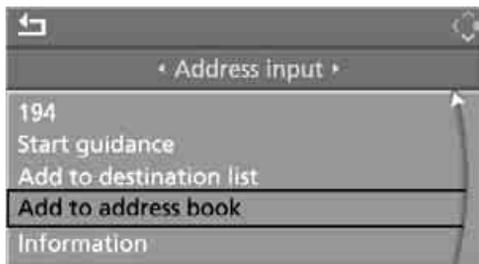
Select "Address book" and press the controller.

Storing destinations in the address book

You can save approx. 100 destinations in the address book.

Business and Professional navigation systems

1. Entering a destination manually, see page 106.
2. Select "Add to address book" and press the controller.

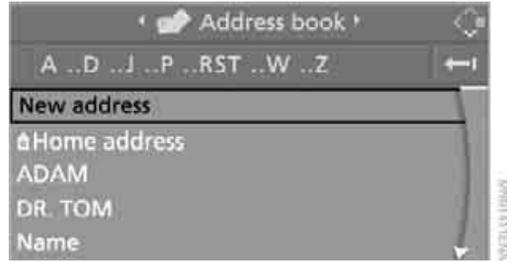


You can also save a destination from the destinations list in the address book, see page 111.

Professional navigation system

1. Select "Address book" and press the controller.
2. Move the controller back until the marker is in the second section down. Turn the

controller until "New address" is selected and press the controller.



3. Select "Enter address yourself" and press the controller.
4. Enter the name and address.
5. Select "Save address" and press the controller.
The entry is saved in the address book.

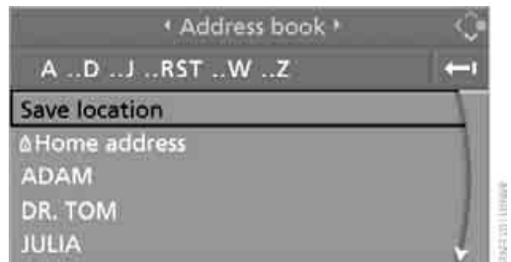
You can also save a destination from the destinations list in the address book, see page 111.

Saving current position

Your current position can be transferred to the address book.

Business navigation system

1. Select "Address book" and press the controller.
2. Move the controller back until the marker is in the second section down. Turn the controller until "Save location" is selected and press the controller.



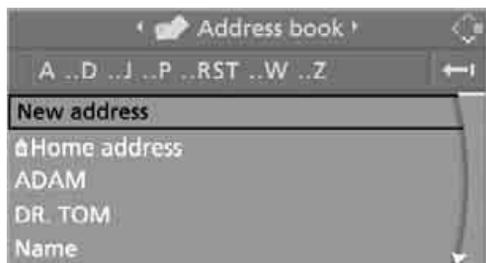
The name given can be modified. Operating principle, see Entering a destination manually, page 106.

3. Select "Save address" and press the controller.

You can transfer your current position to the address book even if you have left the area digitised on the navigation DVD. To do this, you have to enter a name.

Professional navigation system

1. Select "Address book" and press the controller.
2. Move the controller back until the marker is in the second section down. Turn the controller until "New address" is selected and press the controller.



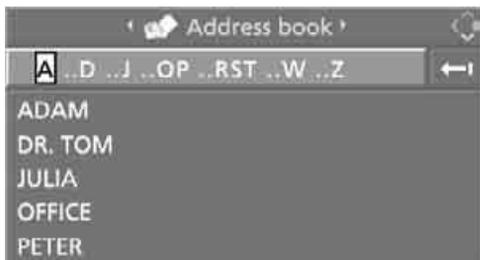
3. Select "Use current location as address" and press the controller.
The name given can be modified. Operating principle, see Entering a destination manually, page 106.
4. Select "Save address" and press the controller.

You can transfer your current position to the address book even if you have left the area digitised on the navigation DVD. To do this, you have to enter a name.

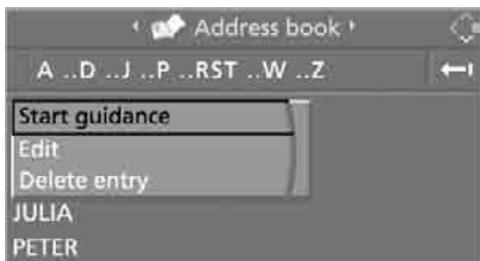
Selecting destinations from address book

1. Select "Address book" and press the controller.

The stored entries are displayed on the control display.



2. Select entry and press the controller.
To start route guidance:
Select "Start guidance" and press the controller.

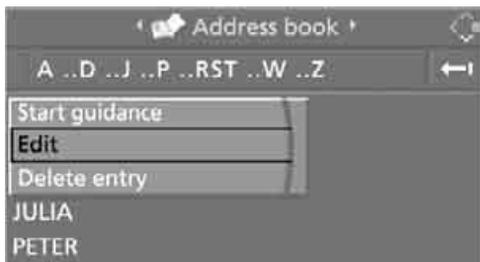


Changing destinations from address book

Business navigation system

You can change the name of the entry.

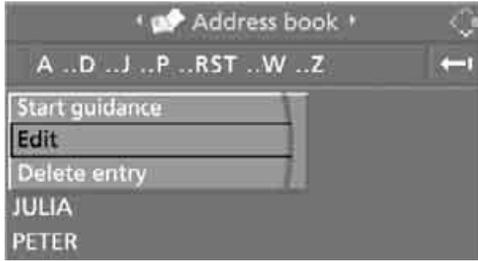
1. Select "Address book" and press the controller.
2. Select entry and press the controller.
3. Select "Edit" and press the controller.



4. Change the name.
Operating principle, see Entering a destination manually, page 106.

Professional navigation system

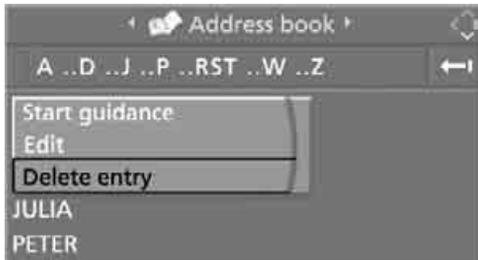
1. Select "Address book" and press the controller.
2. Select entry and press the controller.
3. Select "Edit" and press the controller.



4. Change entry.
Operating principle, see Entering a destination manually, page 106.

Deleting destinations from address book individually

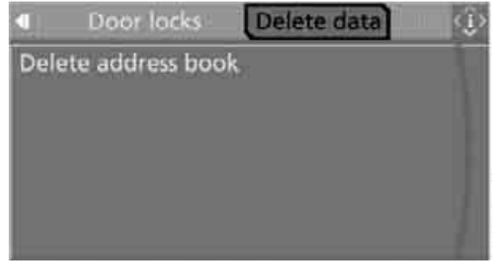
1. Select "Address book" and press the controller.
2. Select entry and press the controller.
3. Select "Delete entry" and press the controller.



Deleting all destinations from address book

1. Call up start menu.
2. Press the controller to call up the **i** menu.
3. Select "Vehicle settings" and press the controller.

4. Select "Delete data" and press the controller.



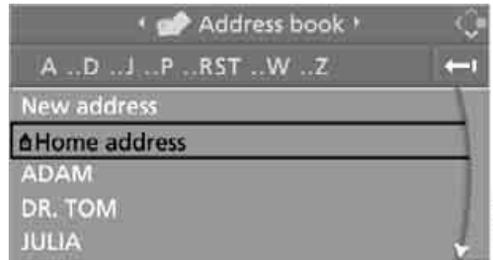
5. Select "Delete address book" and press the controller.
6. Select "Yes" and press the controller.

Saving home address

You can save your current position or the current destination as your home address in the address book. This entry appears in second place in the address book.

Business navigation system

1. Select "Address book" and press the controller.
2. Move the controller back until the marker is in the second section down. Turn the controller until "Home address" is selected and press the controller.



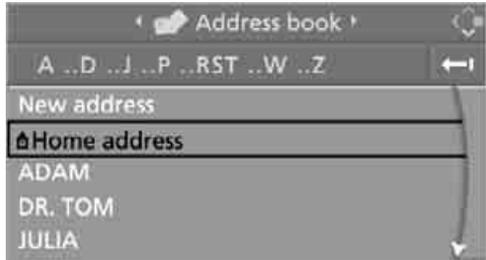
3. Select "Use current location as address" or "Save current destination" and press the controller.

To use your home address as the destination: Select "Start guidance" and press the controller.

To display the home address: Select "Details" and press the controller.

Professional navigation system

1. Select "Address book" and press the controller.
2. Move the controller back until the marker is in the second section down. Turn the controller until "Home address" is selected and press the controller.



3. Select "Use current location as address" or "Save current destination" during route guidance and press the controller.

To use your home address as the destination:

1. Select "Home address" and press the controller.
2. Select "Start guidance" and press the controller.

To change the entry:

1. Select "Home address" and press the controller.
2. Select "Edit" and press the controller. Operating principle, see Entering a destination manually, page 106.

Selecting routes

You can influence the route calculated by selecting various route criteria. You can change the route criteria as often as you like during destination input or during route guidance.

The route is planned according to fixed rules. The type of road is taken into account, e.g. motorways or winding roads. Details of the road types are stored on the navigation DVD. For this reason, the route proposed by the system will not necessarily be the one the driver expects from experience.

Altering route criteria

1. Select "Navigation" and press the controller.
2. Move the controller back until the marker is in the third section down. Turn the controller until "Route criteria" is selected and press the controller.



The various criteria are listed on the control display.

3. Select a route criterion for the route:
 - ▷ With the Professional navigation system:
 - "Use motorways"
Motorways and arterial roads are given priority.
 - ▷ "Exclude motorways"
Motorways are avoided as far as possible.
 - ▷ "Fast route"
A fast route, being a combination of the shortest possible route and the fastest roads.
 - ▷ "Short route"
A short route, irrespective of how fast or slow progress will be.
4. Press controller.



 The route criterion is selected.

5. Select additional criteria for the route as appropriate, then press the controller:

▷ "Dynamic route"

The route is automatically changed in the event of traffic congestion. Depending on the type of road and the nature and length of the traffic congestion, the route can also be calculated such that it cuts across the traffic congestion.

▷ "Exclude toll roads"

Toll roads are avoided as far as possible.

▷ "Exclude ferries"

Ferries are avoided as far as possible.

To exit the menu:

 Select the arrow and press the controller.

The route criteria can also be changed in the arrow or map view:

 Select the corresponding symbol and press the controller.

▷ The system only accepts name entries beginning with letters that are stored on the navigation DVD. This makes it impossible for incorrect names or unknown addresses to be accepted.

Wordmatch principle

The wordmatch principle makes the input of place-names and streets easier. It compares your destination inputs continuously with the data stored on the navigation DVD, and reacts even if slight discrepancies are found. This has the following advantages for you:

▷ You can also input place-names in a form which differs from the official version, provided that you use a form that is familiar in another country or language.

Example:

With the German map DVD in use, instead of the German name "München" you can input the English version "Munich" or the Italian version "Monaco".

▷ When entering place-names or streets, the system completes the name automatically as soon as it has been identified beyond doubt.

Route guidance

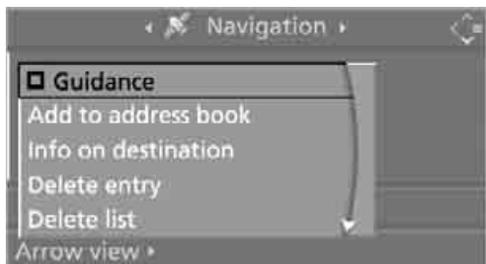
Starting route guidance

iDrive, operating principle, see page 14.

1. Select "Navigation" and press the controller.
2. Select a destination from the destinations list and press the controller, or enter a new destination, see page 106.



3. Select "Guidance" and press the controller.



Once the route has been calculated, you are guided by means of arrows on the control display.

With the Professional navigation system, an optional map view is available.

Route guidance can also be started in the arrow or map view:

Select the  symbol and press the controller.

During route guidance, you can operate other equipment items at any time via iDrive. If you need to make a turn, you will be alerted in good time by means of spoken instructions and direction arrows in the display.

Ending/resuming route guidance

In the arrow or map view

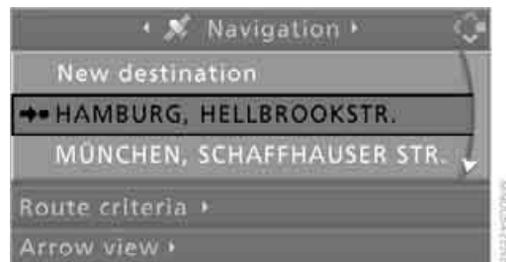
Select the  symbol and press the controller.



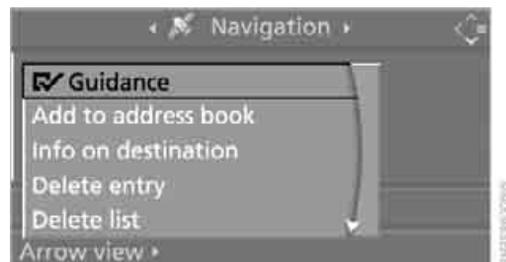
In the destinations list

 This symbol identifies the current destination.

1. Select the current destination and press the controller.



2. Select "Guidance" and press the controller.



If you did not reach your destination before the end of your last journey, the following query will

appear at the start of the next journey:
"Continue guidance?".

Route guidance starts automatically after a short while.

To start route guidance immediately:
Select "Yes" and press the controller.

Displaying route

Various modes are available for displaying the course of the route during route guidance, depending on specification.

Displaying arrow view

1. Select "Navigation" and press the controller.
2. Move the controller back twice until the marker is in the fourth section down. Turn the controller until "Arrow view" is selected and press the controller.



The arrow view is displayed.



- 1 Switching spoken instructions on/off
- 2 Calling up traffic information manually
- 3 Selecting route criteria
- 4 Starting/ending guidance
- 5 Arrow to destination as the crow flies

- 6 Distance to the next change of direction
- 7 Current location
- 8 Direction of travel
 - ▷ Outline of an arrow:
Route guidance on the calculated route
 - ▷ Solid arrow:
The arrow points as the crow flies towards the calculated route when the vehicle is in an area not recorded on the navigation DVD, e.g. in a parking garage or in conjunction with Business navigation system
arrow points towards the destination as the crow flies when the navigation DVD has been removed and the route could not be calculated

The arrows appear in a different fashion before a change of direction.



- 1 Street name for change of direction
- 2 Distance to change of direction
- 3 Change of direction

To exit the menu:

- ◀ Select the arrow and press the controller.

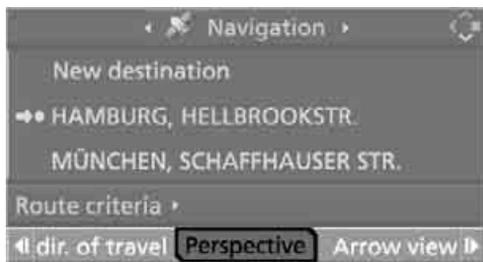
Displaying map view

With the Professional navigation system:
You can have your current position shown on a map. After starting route guidance, the planned route is shown on the map.

1. Select "Navigation" and press the controller.
2. Move the controller back twice until the marker is in the fourth section down. Turn

the controller until the desired map view is selected and press the controller:

- ▷ "Map north-oriented"
- ▷ "Map, indicating dir. of travel"
- ▷ "Perspective".



3. Press controller.



- 1 Switching spoken instructions on/off
- 2 Starting/ending guidance
- 3 Selecting the destination via map
- 4 Displaying information
- 5 Changing map view
 - ▷  "Map north-oriented"
 - ▷  "Map, indicating dir. of travel"
 - ▷  "Perspective"
- 6 Altering route criteria
- 7 Calling up traffic information manually
- 8 Arrow to destination as the crow flies

To exit the menu:

 Select the arrow and press the controller.

If the scale is smaller than 500 km (300 miles), you can choose whether to align the map pointing towards north, in the direction of travel or as a perspective view. From a scale of 500 km

(300 miles), the map is always displayed pointing towards north.

Changing map view



Select the corresponding symbol and press the controller.

The next map view is displayed.

Changing the scale

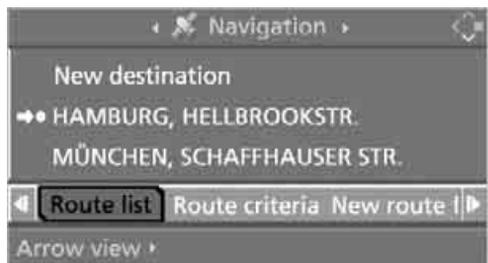
Turn the controller to alter the scale.

Displaying streets and places along the route

You can have a list of roads and places along the route displayed during route guidance.

The distances to be covered along each section of the route are likewise displayed.

1. Select "Navigation" and press the controller.
2. Move the controller back until the marker is in the third section down. Turn the controller until "Route list" is selected and press the controller.



With the Business navigation system:

As long as calculation of the route has not been completed, "... " is displayed in the list.

With the Professional navigation system:

Direction arrows and congestion warnings are also displayed.

To exit the menu:

 Select the arrow and press the controller.

Route guidance by spoken instructions

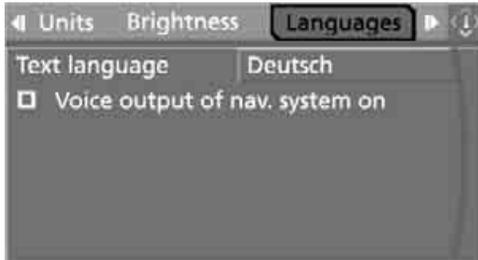
Switching spoken instructions on/off

Spoken instructions can be switched on/off during route guidance in the arrow or map view: Select the  symbol and press the controller.

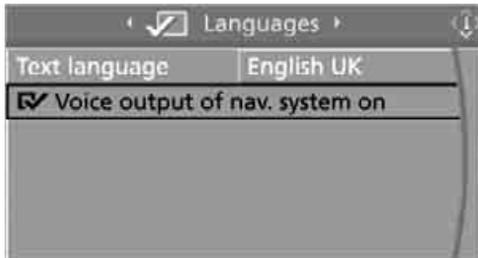


To switch off the spoken instructions at any time:

1. Call up start menu.
2. Press the controller to call up the **i** menu.
3. Select "Display settings" and press the controller.
4. Select "Languages" and press the controller.



5. Select "Voice output of nav. system on" and press the controller.



Spoken instructions are switched on.

The setting is saved for the remote control currently in use.

Repeating and cancelling spoken instructions

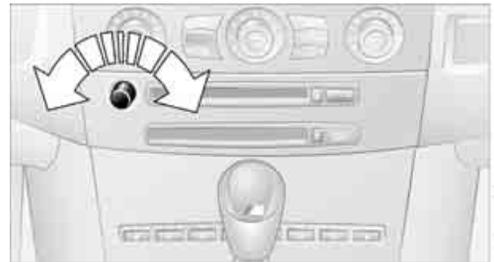
You can also make the following adjustments with the programmable button on the steering wheel, see page 42:

- ▷ Having a spoken instruction repeated: Press the button.
- ▷ Switching spoken instructions on/off: Press button for longer.
- ▷ With the Business navigation system, to switch off spoken instructions during an announcement: Press the button.

Adjusting the volume of the spoken instructions

The volume can be adjusted only while a spoken instruction is being issued.

1. Have the last spoken instruction repeated if desired.
2. Turn the knob during the spoken instruction until the desired volume is obtained.



This volume is independent of the volume of the audio and video sources.

The setting is saved for the remote control currently in use.

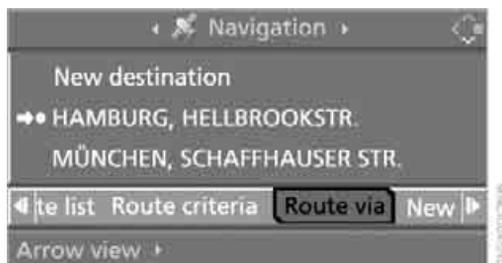
Altering the route

Altering the course of a route

With the Business navigation system:

During route guidance, you can specify up to two points by which the route should pass, e.g. places or motorway intersections. These points are predetermined by the navigation system and depend on the length of the route, among other factors.

1. Select "Navigation" and press the controller.
2. Move the controller back until the marker is in the third section down. Turn the controller until "Route via" is selected and press the controller.



3. Select a point and press the controller.
4. Select "Calculate" and press the controller. The new route is calculated.

To exit the menu:

1. Select the arrow and press the controller.

Avoiding sections of route

You can also instruct the navigation system to deviate from sections of the route during route guidance. You do this by specifying after how many kilometres or miles of the original route you wish to return to it.

1. Select "Navigation" and press the controller.
2. Move the controller back until the marker is in the third section down. Turn the control-

ler until "New route for" is selected and press the controller.



A particular section of the route can be avoided:

- ▶ With the Professional navigation system
Along the entire route
 - ▶ With the Business navigation system
For up to 50 km (30 miles)
3. Turn the controller to enter the desired value, then press the controller.
 4. Business navigation system:
Select "Calculate" and press the controller.

The route is recalculated.

To exit the menu without altering the route:

1. Select the arrow and press the controller.

Traffic information

At any time you can have traffic information displayed by radio stations that broadcast traffic situation information: Traffic Message Channel TMC. This traffic information is constantly updated with the aid of measurements from traffic control centres and congestion detectors.

The traffic information is automatically shown during route guidance. It can also be called up manually via iDrive. With the Professional navigation system, the traffic information is shown in the map view.

Switching traffic information display on/off

iDrive, operating principle, see page 14.

1. Call up start menu.
2. Press the controller to call up the **i** menu.
3. Select "Traffic information settings" and press the controller.
4. Professional navigation system:
Select "Traffic information" and press the controller.
Business navigation system:
Select "TMC" and press the controller.



5. Select "TMC" and press the controller.
 Traffic information can be displayed.

Selecting TMC stations*

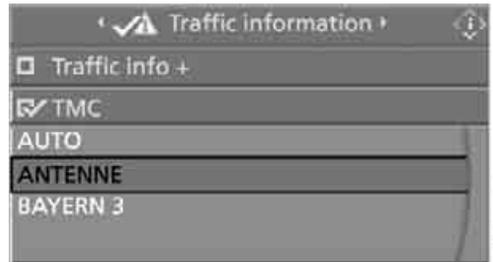
Business navigation system

1. Call up start menu.
2. Press the controller to call up the **i** menu.
3. Select "Traffic information settings" and press the controller.
4. Select "TMC" and press the controller.
5. Select a TMC station and press the controller.
"TMC AUTO": automatic selection of the TMC station with the strongest received signal.

Professional navigation system

1. Call up start menu.
2. Press the controller to call up the **i** menu.
3. Select "Traffic information settings" and press the controller.
4. Select "Traffic information" and press the controller.
5. Select a TMC station and press the controller.

"AUTO": automatic selection of the TMC station with the strongest received signal.



Calling up traffic information manually

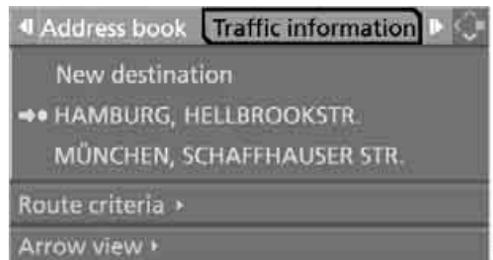
Traffic information can be switched on/off during route guidance in the arrow or map view:

Select the **⚠** symbol and press the controller.



To call up the traffic information at any time:

1. Call up start menu.
2. Move the controller to the right to call up "Navigation".
3. Select "Traffic information" and press the controller.



The control display will show the current traffic information, sorted by distance.

Business navigation system:
Traffic information concerning the planned route is shown during route guidance at the

top of the list. It is indicated by a triangle with red border.

- To display detailed traffic information:
Select entry and press the controller.



To exit the menu:

- Select the arrow and press the controller.

Traffic information symbols

- Traffic incident if scale of map is greater than 10 km (6 miles), arrow pointing in the direction affected
- Undefined traffic obstruction
- Traffic light failure
- Roadworks
- General traffic obstruction
- Transport of hazardous load
- Oncoming vehicle
- Height restriction
- No parking
- Fog
- Slippery road
- Cross winds
- Smog
- Road closed

- Risk of hold-ups
- Stop-and-go traffic
- Congestion
- Icy roads
- Uneven surface
- Accident
- Narrow road
- Delay

Representation of traffic information in the map view

With the Professional navigation system:

The traffic information symbols are shown in the map view up to a scale of 200 km (125 miles).

Where a scale of up to 10 km (6 miles) is being used, additional information is displayed. The length, direction and severity of traffic congestion are shown by arrows along the route, e.g.:

- Slow-moving traffic
- Stop-and-go traffic
- Congestion
- Congestion in both directions

Along the planned route

Symbol with red border, together with the traffic obstruction symbol.

Away from the planned route

- Map scale up to 10 km (6 miles):
Symbol with grey border, together with the traffic obstruction symbol

- ▷ Map scale from 20 km (12 miles): Symbol with grey border and an arrow pointing in the appropriate direction

Traffic information during route guidance

If the navigation system receives information on a traffic obstruction and "Dynamic route" is not selected, within about 100 km (approx. 60 miles) of the traffic obstruction you are provided with specific information such as the length of the congestion.

The last possible turning to leave the route is displayed to you shortly before you reach it.

This information is still displayed if you have called up another application on the control display.

Avoiding congestion



With the Professional navigation system:

Select "Plan detour" and press the controller.

The navigation system calculates a new route to avoid the congestion and then takes you back onto the original route.

With the Business navigation system

Select "Dynamic route planning" and press the controller.

The navigation system calculates a route that depends on the road type and the nature and length of the traffic congestion.

The route may cut through the traffic obstruction or take you around the congestion and then rejoin the original route.

Displaying current position

You can have your current position displayed even with route guidance switched off.

1. Select "Navigation" and press the controller.
2. Move the controller back twice until the marker is in the fourth section down. Turn the controller until "Vehicle position" is selected and press the controller.



The current position of your BMW is displayed.



If the navigation system is unable to identify a name for your current position, it is displayed as degrees longitude and latitude.

To exit the menu:

- ➡ Select the arrow and press the controller.

With the Professional navigation system, you can also have the position shown on a map, see page 118.

What to do if ...

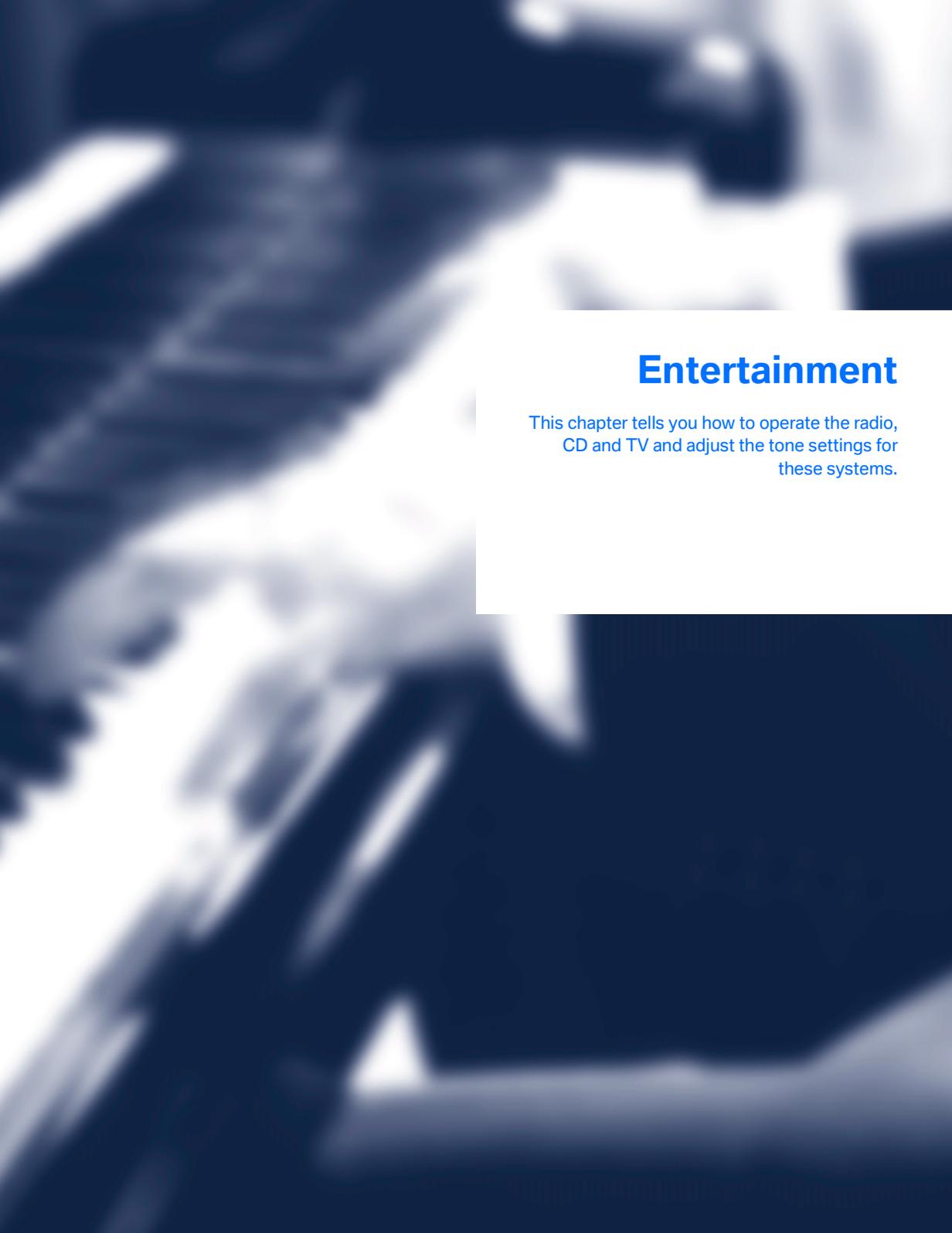
What to do if ...

- ▶ a navigation DVD has been inserted but a request to insert the DVD is displayed on the control display?
The navigation DVD is possibly not the correct DVD for the navigation system. Check the DVD's label.
- ▶ you call up your car's current position, but the display is not accurate?
You are in a poor-reception area, you are currently in an area not covered by the navigation DVD, or the system is currently calculating your position. Reception will normally be possible outdoors.
- ▶ a destination is not transferred to the route guidance system?
The data for the destination is not available on the navigation DVD currently in use. Choose a destination as close as possible to the original one.
- ▶ a destination without a street is not transferred to the route guidance system?
No city centre can be determined on the navigation DVD for the place specified. Enter any road, or a specific destination such as the station, for the town or city in question, then start route guidance.
- ▶ you wish to input a destination, but the correct letter of the alphabet cannot be selected?
The data for the destination is not available on the navigation DVD currently in use. In this case the system will not let you choose the letters of an address it cannot recognise. Choose a destination as close as possible to the original one.
- ▶ directions cease to be given immediately before junctions during route guidance?
You are driving in an area for which full digital information is not yet available on the navigation DVD. Instead of an arrow indicating a turn, you will see an arrow which indicates the general direction of your planned route. Or you have deviated from the

proposed route and the system requires a few seconds to calculate a new route.

- ▶ the navigation system does not respond to your inputs?
If the battery has been disconnected, up to 10 minutes may elapse before the system is fully functional again.





Entertainment

This chapter tells you how to operate the radio, CD and TV and adjust the tone settings for these systems.

On/off and settings

The following audio and video sources share the same controls and adjustment features:

- ▷ Professional radio* or Business radio
- ▷ CD player
- ▷ CD changer*
- ▷ Television, TV*

Controls

The audio and video sources can be operated via:

- ▷ Buttons next to CD player
- ▷ iDrive
- ▷ Remote control*
- ▷ Buttons on the steering wheel, see page 8

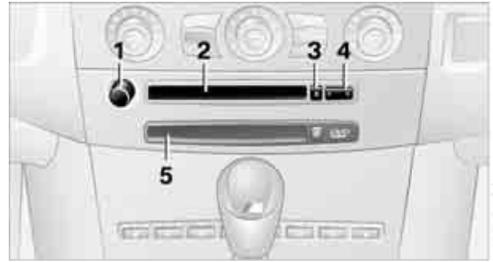
Buttons next to CD player

The layout of the buttons may vary according to specification.

Specification with one disc drive:



Specification with two disc drives:



- 1 Sound output for entertainment systems on/off, volume
 - ▷ Press: to switch on/off. When switched on, the last radio station tuned, CD track or TV channel is called up.
 - ▷ Turn: to adjust volume.
- 2 Drive for audio CD
- 3 CD eject
- 4 Station/track search
 - ▷ Changing radio stations.
 - ▷ Selecting music track for CD player and CD changer.
- 5 Drive for navigation DVD for Professional* navigation system

Operation via iDrive

iDrive, operating principle, see page 14.

1. Press the **MENU** button. The start menu is called up.



2. Move the controller to the rear to call up "Entertainment".



There is a choice of:

- ▷ "FM" and "AM": selecting radio reception.
- ▷ "CD": selecting CD player or CD changer.
- ▷ "TV": selecting television reception.
- ▷ "Set": depending on the audio source in question, further settings can be made, e.g. for the radio: switching traffic reports* on/off, updating station with best reception signal, memorising stations, adjusting tone, sampling stations.

Switching on/off

To switch the sound output for entertainment systems on/off:

Press knob **1** next to the CD player.

 This symbol on the control display indicates that the sound output has been switched off.

Specification with one disc drive: sound output is available for approx. 20 minutes with the ignition switched off.

All you have to do is switch sound output back on.

Adjusting volume

Turn knob **1** next to the CD player until the desired volume is obtained.

You can also adjust the volume at the steering wheel.

The setting is saved for the remote control currently in use.

Adjusting the volume of traffic reports*

Turn knob **1** during a traffic report until the desired volume is obtained.

This volume is retained for subsequent traffic reports. If other audio and video sources are set louder than the traffic reports, the volume of an announcement is raised correspondingly.

Tone control

You can alter various tone settings, e.g. treble and bass or the speed-dependent volume increase. The tone settings are applied to all audio sources.

The settings are saved for the remote control currently in use.

Altering tone settings

1. Press the **MENU** button.
The start menu is called up.



2. Press the controller to call up the **i** menu.
3. Select "Entertainment settings" and press the controller.



4. Select "Tone" and press the controller.



The tone settings can also be selected if you have called up "Entertainment" in the start menu:
 Select "Set" and then "Tone", and press the controller.

Treble and bass

1. Select "Treble / Bass" and press the controller.



2. Move the controller to the left or right to select "Treble" or "Bass".



3. Turn the controller until the desired setting is obtained.

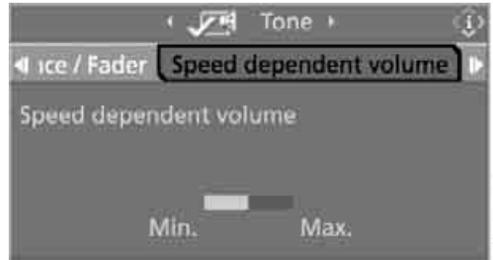
Balance and Fader

You can adjust the volume distribution for the right/left, balance, and for the front/rear, fader, as well as "Treble / Bass".

Speed-dependent volume control

The speed-dependent volume control automatically boosts the volume as the car's speed increases. You can select various stages for the increase in volume.

1. Select "Speed dependent volume" and press the controller.



2. Turn the controller.
 The setting is adopted; you can now change to another field.



Professional LOGIC7 hifi system*

You can select a room acoustics effect that improves the room acoustics in all frequency ranges.

1. Select "LOGIC7 room acoustics" and press the controller.



2. Select "Concert hall" or "Theatre".



3. Press controller. LOGIC7 room acoustics are switched on.

To switch off the room acoustics effect: Select "Off" and press the controller.

LOGIC7 and the LOGIC7 logo are registered trademarks of Lexicon, Inc., a Harman International Group company.

Equaliser*

You can adjust individual audio frequency ranges.

1. Select "Equalizer" and press the controller.



2. Move the controller to the left or right to select the desired frequency range.



3. Turn the controller until the desired setting is obtained.

Resetting the tone settings

You can reset all tone settings to the default setting.

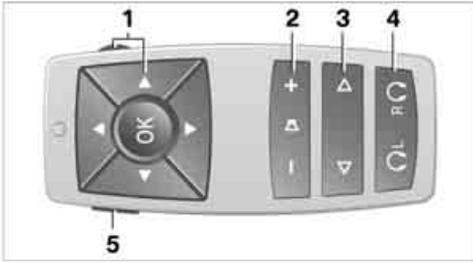
1. Call up start menu.
2. Press the controller to call up the **i** menu.
3. Select "Entertainment settings" and press the controller.
4. Select "Tone" and press the controller.
5. Select "Reset" and press the controller.



Operating in rear compartment*

On the Business radio, you can also select the audio source with the aid of a remote control and listen to it via the headphones or the loudspeakers.

Remote control



- 1 Menu guidance
- 2 Volume control
- 3 Station/track search
 - ▷ Changing radio stations.
 - ▷ Selecting music track for CD player and CD changer.
- 4 Headphones, right/left
- 5 To exit menu for rear-compartment entertainment

You can navigate through the menus with the knurled wheel and the buttons 1. Turning the knurled wheel corresponds to turning the controller to the left, right, forward or back, you press the appropriate button, see page 14.

Changing batteries



1. Press in catch and remove cover for battery compartment.
2. Change the batteries. The type and installed arrangement are indicated on the base of the battery compartment.
3. Close the cover.



Dispose of the old battery only at an authorised collecting point or hand it in to BMW Service. ◀

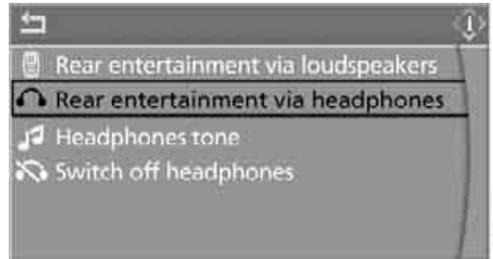
Connecting headphones



Socket for the headphones:
3.5 mm ratchet plug.

Selecting loudspeakers/headphones

1. Press one of the buttons 1.
2. Select "Rear entertainment via loudspeakers" or "Rear entertainment via headphones".



3. Press the **OK** button.
The audio source last selected is displayed:
 - ▷ Headphones are selected.
 - ▷ Loudspeakers are selected.

To exit the menu:

Select arrow and press **OK** button.

Switching off headphones

1. Press one of the buttons 1.
2. Select "Switch off headphones".

Settings for the remote control

You can restrict and adjust the controls so that the audio source is audible via the headphones as well as the loudspeakers.

Restricting controls:

iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.



2. Press the controller to call up the **i** menu.
3. Select "Vehicle settings" and press the controller.
4. Select "Enable rear menu" and press the controller.



5. Select a setting and press the controller.
 - ▷ To block the remote control: "Rear not released".
 - ▷ To block the control for the loudspeakers: "Headphones mode only".
 - ▷ To cancel blocking: "Full release".

To set the same audio source for the headphones as for the loudspeakers:

1. Press the **MENU** button to call up the start menu.
2. Move the controller to the rear to call up "Entertainment".
3. Press controller.
Further menu items are displayed.
4. Select "Headphones" and press the controller.

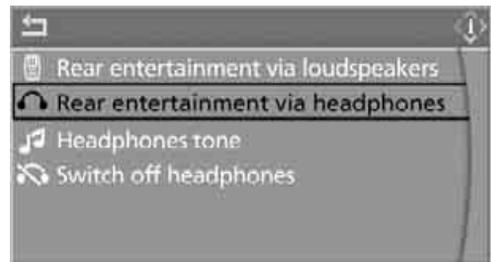


The same audio source is audible via the loudspeakers and the headphones.

Tone control

You can adjust the tone for the loudspeakers or for the headphones on the right/left.

1. Press one of the buttons **1**.
2. Select "Rear entertainment via loudspeakers" or "Headphones tone" and press the controller.



3. Adjust the tone, see page 129.

Radio

Your radio is designed to receive the FM and AM wavebands.

- ▷ FM: stations in the VHF waveband
- ▷ AM: stations on the LW*, MW and SW* wavebands

Listening to the radio



Press the knob if sound output is switched off. iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.



2. Move the controller to the rear to call up "Entertainment".

3. Select "FM" or "AM".



4. Press controller.

Stations are shown on the control display according to a variety of selection criteria, e.g. for Professional* radio "All stations".

If no station is displayed for "Autostore" or the stations displayed can no longer be picked up, update the stations with the strongest reception signal, see page 136.

Changing stations



Turn the controller.

In addition to the stations currently displayed, you can have stations for a different selection criterion displayed.

Professional radio*

You can choose between the following selection criteria:

- ▷ "All stations":
Stations that can currently be received on the "FM" waveband.

- ▷ "Autostore":
The stations with the strongest reception signal on the "AM" waveband.
- ▷ "Memorised stations":
Stations that you have previously memorised, see page 136.

Business radio

You can choose between the following selection criteria:

- ▷ "Autostore":
The stations with the strongest reception signal, see page 136.
- ▷ "Memorised stations":
Stations that you have previously memorised, see page 136.

Changing selection criteria

1. Move the controller forward to change field.
2. Choose selection criterion and press the controller.



Buttons next to CD player

Press button for the corresponding direction.

The next station displayed will be called up. You can also change stations at the steering wheel.

Sampling stations, Scan

The stations on the current waveband are automatically sampled in succession.

1. Select "FM" or "AM" and press the controller.
"Set" is selected.
2. Press controller.
Further menu items are displayed.

3. Select "Scan" and press the controller.



Scan starts.

To stop Scan:

1. Press controller.
2. Select "Scan" and press the controller.

Scan is interrupted and the selected station is retained.

Buttons next to CD player

Press button for longer in the appropriate direction to start Scan.

To stop Scan, press the button again.

Selecting frequency manually

In "Manual frequency selection" you can select stations that are received in addition to those displayed.

1. Select "FM" or "AM" and press the controller.
2. Move the controller forward to change field.
3. Select "Manual frequency selection" and press the controller.



4. Turn the controller to select a particular function.

Updating stations with best reception signal

If you move out of the reception range of the stations originally received on a longer journey, you can update the list of stations with the best reception.

1. Select "FM" or "AM" and press the controller.
2. Move the controller forward to change field.
3. Select "Autostore" and press the controller. "Set" is selected.



4. Press controller. Further menu items are displayed.
5. Select "Autostore" and press the controller.



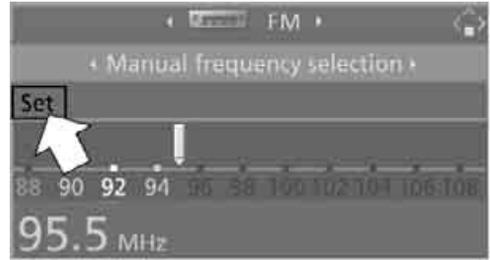
The display of stations with the best reception is updated. The frequencies of the stations are displayed.

Memorising stations

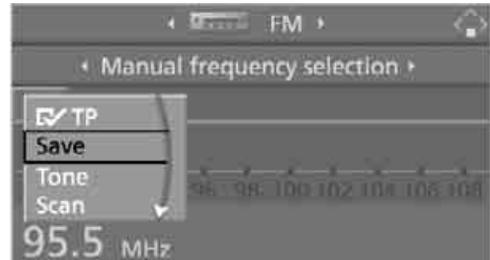
1. Select "FM" or "AM" and press the controller. "Set" is selected.
2. Move the controller forwards if necessary until the marker is in the second section down. Turn the controller until the desired

selection criterion is selected and press the controller.

3. Select the desired frequency or station.



4. Press controller. Further menu items are displayed.
5. Select "Save" and press the controller.



"Memorised stations" is displayed.

6. Turn the controller until the desired memory location is selected. The number of the memory location is displayed next to the name or frequency of the station.
7. Press controller. The station is now memorised.



The stations for the last selection criterion are displayed again after a short time.

The stations are saved for the remote control currently in use.

Changing memory location

1. Select "Memorised stations" and press the controller.
2. Select the desired station. "Set" is selected.
3. Press controller. Further menu items are displayed.
4. Select "Save" and press the controller.



5. Turn the controller until the desired memory location is selected. The number of the memory location is displayed next to the name or frequency of the station.
6. Press controller. The station is now memorised.

Radio Data System RDS

RDS broadcasts additional information on the VHF/FM waveband. RDS stations therefore offer the following features:

- ▶ Where a radio station is broadcast on several frequencies, the set automatically switches to whichever frequency offers the best reception.
- ▶ Where reception conditions are good, the names of stations are displayed on the control display. Where reception is poor or in the event of interference, it may take some time before the station names will appear in the display.

Traffic reports*

You can receive traffic reports while you are listening to a CD or watching a TV programme. In this case, the TP function, Traffic Programme, must be switched on.

On cars with the Professional radio, your radio will receive traffic reports even if you are tuned to a station that does not broadcast traffic reports. A second station that broadcasts traffic reports can be received in the background.

The following is displayed on the control display, see page 18:

- ▶ The station to which you are tuned broadcasts traffic reports.
- ▶ Traffic reports are switched on/off.

The navigation system's spoken instructions are not interrupted by traffic reports.

Switching traffic reports on/off

iDrive, operating principle, see page 14.

1. Select "FM" or "AM" and press the controller. "Set" is selected.
2. Press controller. Further menu items are displayed.
3. Select "TP" and press the controller.



- ▶ The traffic reports are switched on. Adjusting volume of traffic reports, see page 129.

Selecting stations for traffic reports

On Professional radio*:

1. Call up start menu.
2. Press the controller to call up the **i** menu.

3. Select "Traffic information settings" and press the controller.
4. Select "TP" and press the controller.



5. Select a station broadcasting traffic reports and press the controller.
"TP AUTO": automatic selection of the traffic report station with the strongest reception signal.



- The traffic reports are switched on.
- If you choose a traffic report station, broadcasting of traffic reports is automatically switched on.

CD player and CD changer*

Listening to CDs



Specification with two disc drives:
The upper disc drive is intended for audio CDs.
Compressed audio files*:
If the specification includes one disc drive, CDs with compressed audio files, MP3, can be played by the CD player and CD changer.

Removing navigation DVD

Specification with one disc drive:
The navigation DVD can be removed during route guidance. All the data required for each route guidance procedure is held in the navigation system's buffer memory. This enables you to listen to audio CDs during route guidance. A message appears on the control display if new data from the navigation DVD is required.

Button next to CD player:

 To eject the navigation DVD, press the button.

The navigation DVD is ejected part way out of the drive.

CD player: starting CD

Insert the CD into the drive with the label side uppermost.

The CD starts to play automatically if sound output is switched on. When playing CDs with compressed audio files, it can take the CD player up to 50 seconds to read in the data, depending on the directory structure.

To start to play a CD if there is already a CD in the drive:

iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.



2. Move the controller to the rear to call up "Entertainment".
3. Select "CD" and press the controller.



4. On cars with a CD changer, select "CD" and press the controller to start the CD player.



The CD starts to play if sound output is switched on.

Press the  button next to the CD player to eject the CD.

The CD is ejected part way out of the drive.

CD changer: starting CD

1. Load and insert the CD magazine, see page 143.
2. Press the **MENU** button.
The start menu is called up.



3. Move the controller to the rear to call up "Entertainment".
4. Select "CD" and press the controller.
5. Select the desired CD and press the controller.



At the end of the last track, the next CD is selected and played.

If the CDs in the magazine have been changed, the lowest CD starts to play, e.g. CD 1, track 1.

The control display indicates how many CDs there are in the magazine.

Selecting a track

Buttons next to CD player

Press the  button for the appropriate direction as often as necessary until the desired track on the current CD is reached.

The CD starts to play at the start of the track.

The track is displayed on the control display.

You can also change tracks at the steering wheel.

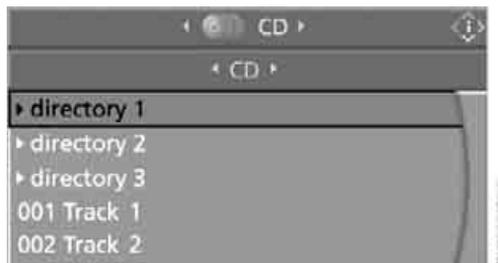
iDrive

Turn the controller to select a track.

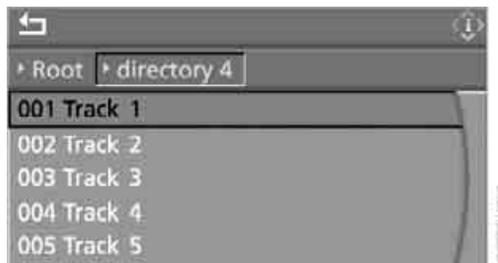


Compressed audio files*

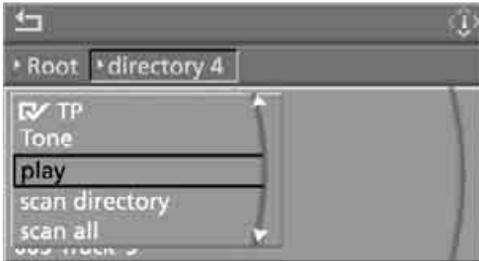
1. Select a directory, if appropriate, and press the controller.



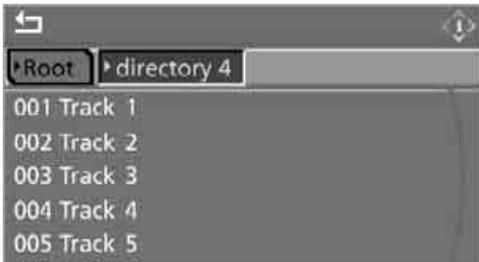
2. Select a track and press the controller.



3. Select "play" and press the controller.



To change the directory:
Select a directory and press the controller.

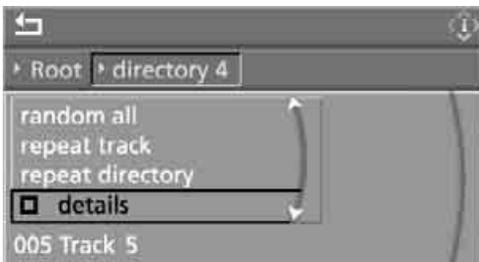


To exit the menu:
Select the arrow and press the controller.

Displaying information on the track*

With compressed audio files, you can have any saved information about the current track displayed, e.g. the name of the artist.

1. Press controller.
2. Select "details" and press the controller.



The information is shown for the current track.

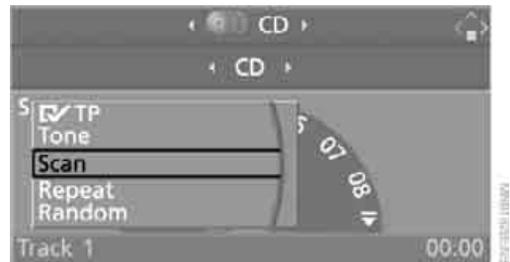
Sampling tracks, Scan

All tracks on the current CD are automatically sampled once in succession.

1. Select "Set" and press the controller.
Further menu items are displayed.



2. Select "Scan" and press the controller.



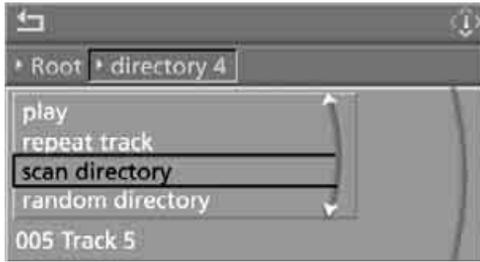
To stop Scan:

1. Press controller.
2. Select "Scan" and press the controller.

Scan is interrupted and the selected track is retained.

Compressed audio files*

1. Select current track and press the controller.
2. Select the desired menu item:
 - ▷ To sample all tracks in the current directory, select "scan directory" and press the controller.
 - ▷ To sample all tracks on the CD, select "scan all" and press the controller.



To stop sampling:

1. Press controller.
2. Select "scan directory" or "scan all" and press the controller.

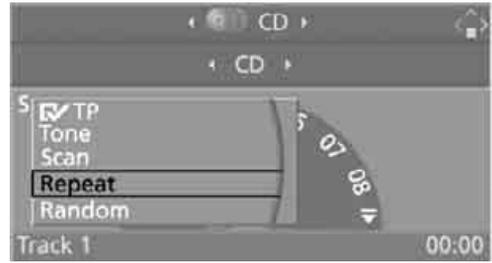
Sampling is interrupted and the selected track is retained.

Repeating tracks

1. Select "Set" and press the controller. Further menu items are displayed.



2. "Repeat" and press the controller.



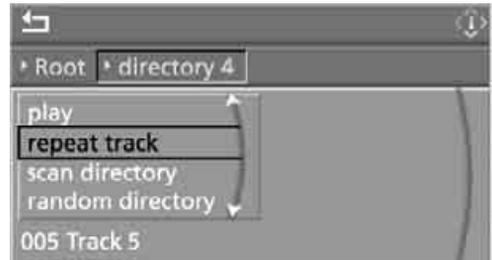
The current track on the CD is repeated.

To stop the repeat function:

1. Press controller.
2. Select "Repeat" and press the controller.

Compressed audio files*

1. Select current track and press the controller.
2. Select the desired menu item:
 - ▷ To repeat the selected track, select "repeat track" and press the controller.
 - ▷ To repeat all tracks in the current directory, select "repeat directory" and press the controller.



To stop the repeat function:

1. Press controller.
2. Select "repeat track" and press the controller.

Random play

The tracks on the current CD are played once each in random order.

1. Select "Set" and press the controller. Further menu items are displayed.
 2. Select "Random" and press the controller.
- To stop random play:
1. Press controller.
 2. Select "Random" and press the controller.

Compressed audio files*

1. Select current track and press the controller.
2. Select the desired menu item:
 - ▶ To play the tracks in the current directory in random order, select "random directory" and press the controller.
 - ▶ To play all tracks on the CD in random order, select "random all" and press the controller.

To stop random play:

1. Press controller.
2. Select "random directory" and press the controller.

Fast forward/reverse

Buttons next to CD player:

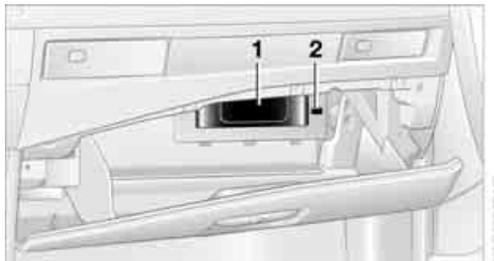
Press and hold the  button for the appropriate direction.

CD magazine

The BMW CD changer for six CDs is installed in the glove box.

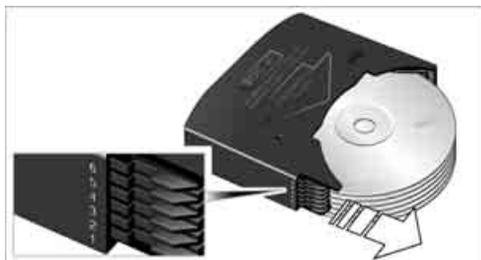
Removing the CD magazine

To load or empty it, take the CD magazine **1** out of the CD changer:



Press button **2**, the CD magazine **1** is ejected.

Loading/emptying the CD magazine



When loading CDs into or removing them from the CD magazine, hold them at the edge and do not touch the reflective signal-sensing area.

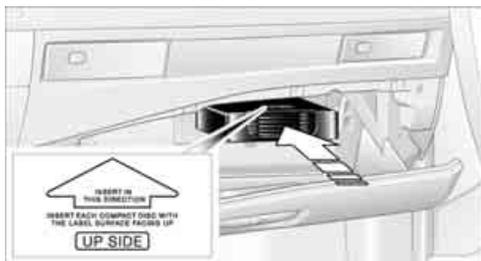
To load:

Insert the CD into a compartment with the label side upmost.

To empty:

Pull out the appropriate holder, see arrow, and remove the CD.

Inserting the CD magazine



Insert the CD magazine in fully in the direction of the arrow.

The CD changer automatically reads in the CDs in the changer and is then operational.

Notes

 BMW disc drives and changers are officially designated Class 1 laser products. Never use them if the cover is damaged, otherwise there is a risk of serious eye injuries. Do not use CDs/DVDs with adhesive labels that have been affixed subsequently, as these may peel off while in the drive as a result of the temperatures to which these media are exposed during playing, and could damage the system irreparably.

Use only round CDs/DVDs with a standard diameter of 12 cm (5 in) and do not use CDs/DVDs in conjunction with adapters, e.g. CD singles, otherwise the CDs or the adapter could jam and be impossible to eject.

Do not use combined CD/DVDs, e.g. DVD^{Plus}, otherwise the CD/DVD could jam and be impossible to eject. ◀

Faults

A high level of humidity may cause the CD/DVD or laser beam focusing lens to fog over and temporarily prevent the CD/DVD from being played.

If a CD/DVD will not play even though it is in the drive, check whether the CD/DVD has been inserted the right way up or is defective.

Your BMW's disc drives and changers have been optimised for playing media in the car. Faults on a CD/DVD will be more noticeable as a result. If faults occur on specific CDs/DVDs, please note the following.

CDs/DVDs with copy protection

CDs/DVDs are often copy-protected by the manufacturer. This could result in CDs/DVDs being impossible to play, or only playable with restrictions.

Self-recorded CDs/DVDs

When playing self-recorded CDs, faults may occur e.g. as a result of inferior-quality media and poorer resistance to ageing. Only write on the upper side of CDs/DVDs using a special marker pen.

Damaged CDs/DVDs

Avoid causing fingerprints and protect against dust, scratches and moisture.

Store CDs/DVDs in a case.

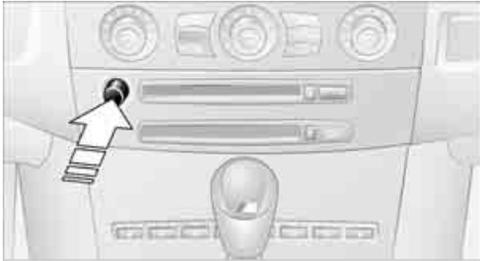
Do not expose CDs/DVDs to temperatures in excess of 50° C, high atmospheric humidity and direct sunlight.

Care notes

For useful information on this subject, see the booklet Looking after your car.

Television, TV*

Calling up



Press the knob if sound output is switched off. iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.



2. Move the controller to the rear to call up "Entertainment".
3. Select "TV" and press the controller.



The set calls up the channel last selected.

 For your safety, the TV picture is only shown at a speed of up to 3 km/h (2 mph). In certain national-market versions, the TV picture is only visible with the handbrake applied.

However, you can listen to the TV sound while driving. ◀

To change to a different audio source:
Move the controller forward while a channel is being received.



Channels

The TV system is equipped with a digital receiver*. In areas where both analog and digital television is broadcast, both analog and digital channels can be received. You can change between these channels.

Changing channel

iDrive, operating principle, see page 14.

1. Press controller. The channels are displayed on the left-hand side.
2. Select the desired channel and press the controller.



You can also change the channel by turning the controller while the program is on.
You can also change channels at the steering wheel.

Updating display of receivable channels

If you have driven out of the transmission range of the channels you were originally receiving, you can update the display of receivable channels.

iDrive, operating principle, see page 14.

1. Press the controller during reception.
2. Select "Autostore" and press the controller.



The display of channels with the best reception is updated.

Changing standard

The TV standard is not the same in every country. However, you can adapt your TV receiver to accept all common TV standards.

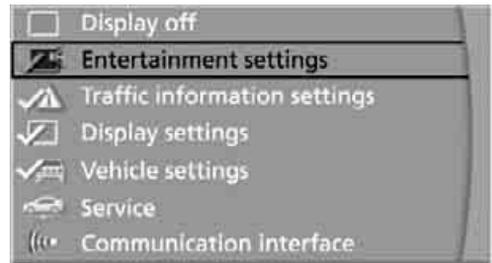
iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.



2. Press the controller to call up the **i** menu.

3. Select "Entertainment settings" and press the controller.



4. Select "Picture" and press the controller.

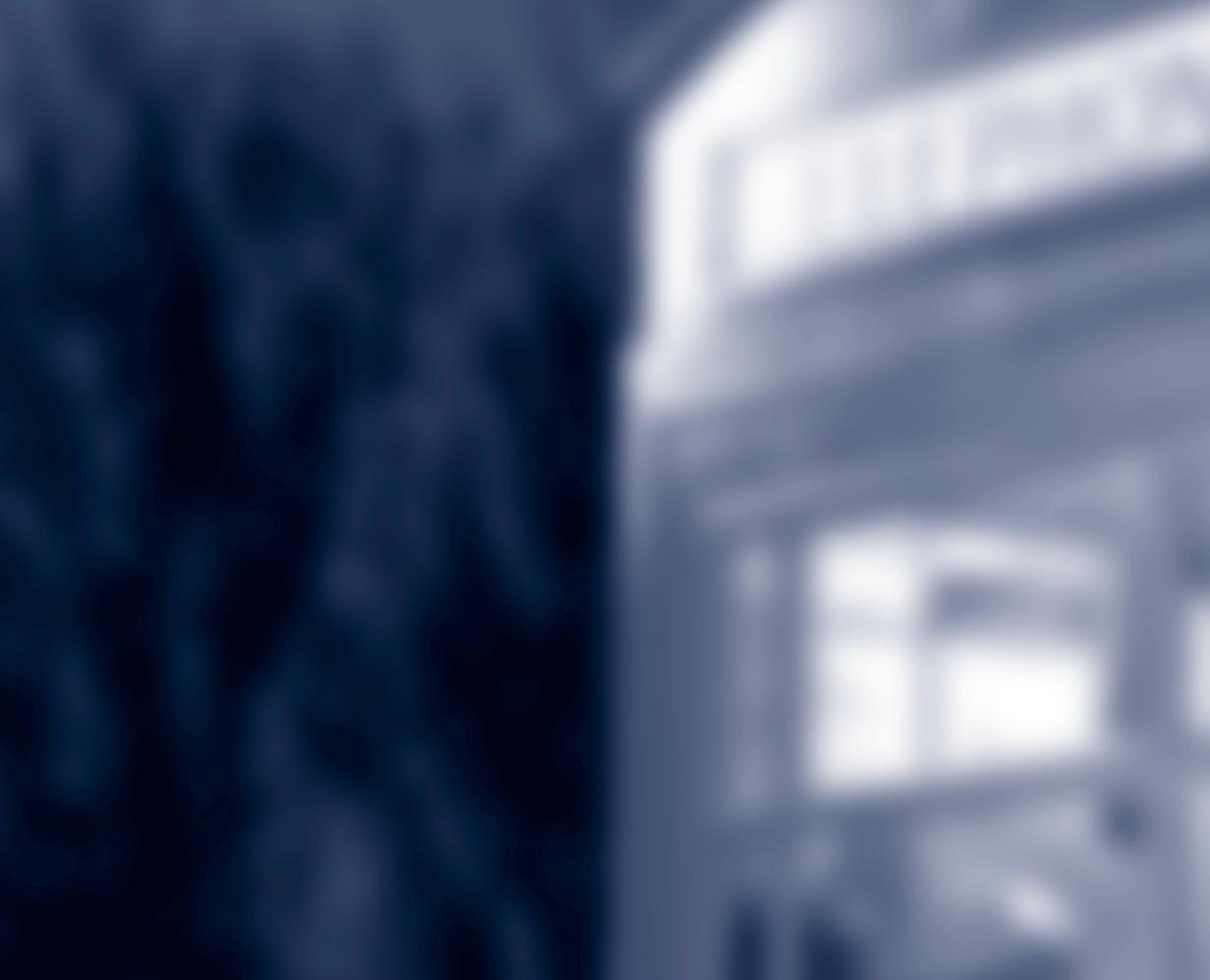


To call up the TV standard, press the controller twice while a program is on.

5. Select "TV standard" and press the controller.



6. Select the country in which you are currently driving and press the controller. The display of receivable channels is automatically updated.



Communication

This chapter summarises how you use BMW Assist, TeleService and BMW Online.

TeleService*, BMW Assist*

TeleService

TeleService assists you with communicating with BMW Service. Data about your vehicle's service status or about legally required inspections can be transmitted over the phone directly to your BMW Service. This is the same data that is stored in the master key as the basis for Condition Based Service CBS. BMW Service can then contact you to arrange an appointment at your convenience. The advantage for you is that BMW Service knows in advance what maintenance work will be required. The TeleService functions are country-specific: depending on the country in which you are driving, data about your vehicle's service status or regarding legally required inspections are transmitted to BMW Service either automatically before a service due date or when you place a call to BMW Service. Further information is available from BMW Service.

BMW Assist

BMW Assist provides you with further services over and above TeleService, such as an information service that can provide you with addresses. If an emergency call* is placed, the details of your car's position are transmitted to the BMW Assist emergency call centre.

Many BMW Assist functions depend on the individually agreed contract. The transfer of data, e.g. for Condition Based Service CBS, varies from country to country.

You can likewise access BMW Assist services on the Internet. The range available is constantly being extended.

Requirements

You will be able to use TeleService or BMW Assist if the following conditions are met:

Your car is equipped with a Business mobile phone preparation. It consequently has a built-in SIM card.

The automatically selected mobile phone network must support the services.

The vehicle must be able to determine your current position in order to transfer position data. This data is displayed on the control display.

For BMW Assist: you have applied to BMW Service or BMW Customer Service to use BMW Assist.

Enabling TeleService or BMW Assist

TeleService or BMW Assist must be enabled before these services can be used.

To do this, leave the ignition key in position 1 throughout the entire procedure.

iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.
2. Press the controller to call up the **i** menu.
3. Select "Communication interface" and press the controller.
4. Select "BMW Service settings" and press the controller.

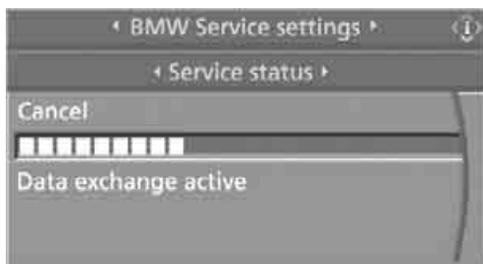


5. Select "Service status" and press the controller.



6. Select "Enable services" and press the controller.

TeleService and possibly also BMW Assist are enabled, and the exchange of data with the service centre starts.



The enabling process takes several minutes. The status is indicated on the control display. If you call up another menu, enabling continues in the background.

Services available

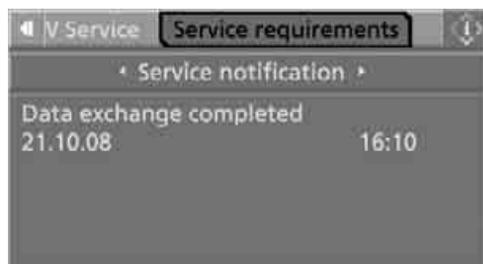
The following special factors apply to the TeleService and BMW Assist services:

- ▶ The actual services available may vary from country to country.
- ▶ Depending on the specification and country of use, voice contact is established or data are transferred. In certain countries, both are possible.
- ▶ The data transferred may comprise your vehicle data, your current position or data for Condition Based Service CBS.

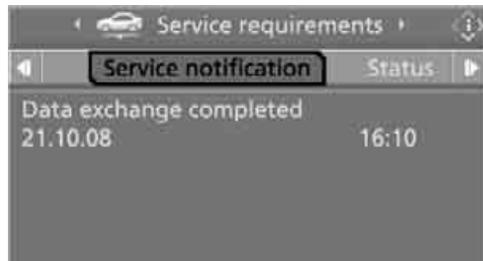
Automatic Service notification*

The data on the service status of your car or on statutory inspections is transmitted automatically when a service or inspection is imminent. You can check when BMW Service was notified. iDrive, operating principle, see page 14.

1. Call up start menu.
2. Press the controller to call up the **i** menu.
3. Select "Service" and press the controller.
4. Select "Service requirements" and press the controller.



5. Select "Service notification" and press the controller.



Breakdown recovery

You can contact the BMW Group's Mobile Service* if you require assistance in the event of a breakdown.

iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.
2. Move the controller forwards to select "Communication".
3. Select "BMW Assist" and press the controller.

4. Select "BMW Service" and press the controller.



5. Select "BMW Mobile Service" and press the controller.



If the car's position can be determined, the details of its position are displayed.

6. Select "Start service" and press the controller.

Contact with Mobile Service will be established.

Contacting BMW Service or the BMW Hotline

You can contact your home BMW Service, e.g. to arrange a service appointment.

For all information concerning your car, contact the BMW hotline.

Your mobile phone must be logged on in the car before you can do this.

iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.
2. Move the controller forwards to call up "Communication".

3. Select "BMW Contact" and press the controller.



4. Select "BMW Contact Numbers" and press the controller.



5. Select one of the following menu items and press the controller:

- ▷ "Your BMW dealer"
- ▷ "Customer Service"

6. Select "Call" and press the controller.

Contact with the desired BMW Service is established.

Contacting the nearest BMW Service*

The navigation system can display details of the BMW Service outlets in your vicinity. You can call one of the BMW Service outlets or transfer its address to your navigation system as a destination.

Your mobile phone must be logged on in the car before you can do this.

1. Insert the navigation DVD if necessary.
2. Press the **MENU** button.
The start menu is called up.
3. Move the controller forwards to call up "Communication".

4. Select "BMW Contact" and press the controller.



5. Select "Nearest BMW dealer" and press the controller.



A list of BMW Service outlets in the vicinity of your current position is displayed.

To call a BMW Service outlet:

1. Select the desired BMW Service and press the controller.
2. Select "Call" and press the controller. Voice contact is established with the BMW Service outlet.

To adopt a BMW Service outlet as a destination for the navigation system:

1. Select the desired BMW Service and press the controller.
2. Select "Accept as destination" and press the controller. The BMW Service outlet is selected as the destination and route guidance is started.

Traffic info +* traffic information

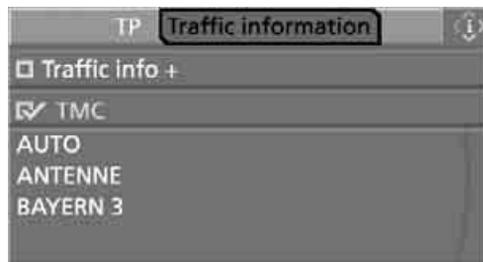
With BMW Assist enabled, you can call up the latest traffic information from Traffic info +.

You can call up the traffic information manually via iDrive. The traffic information is shown on

the route map and displayed automatically during route guidance, see page 122.

If you wish to receive traffic information from Traffic Info +, data transmission must be activated.

1. Call up start menu.
2. Press the controller to call up the **i** menu.
3. Select "Traffic information settings" and press the controller.
4. Professional navigation system: Select "Traffic information" and press the controller.



5. Select "Traffic info +" and press the controller. Traffic information can be transmitted.

Information Plus*

If you call up the BMW Assist information service, you can for instance obtain information on current events, filling stations or hotels and have phone numbers and addresses sent to you.

You can then dial a phone number directly or transfer an address to the navigation system as a destination. Your mobile phone must be logged on in the car before you can do this.

Calling up information

1. Call up "Communication".
2. Select "BMW Assist" and press the controller.



3. Select "Information Plus" and press the controller.



4. To call up information or show a news item:

- ▷ Select "New query" and press the controller.
You are put in contact with a member of the BMW Information Service, who will give you the information you require. You can then have a phone number or address sent to you and transfer these e.g. to the navigation system for route guidance. Bookings can be made directly by the BMW Information Service at many hotels.
- ▷ To display the older news item:
Select the news item and press the controller.

My Info*

This service enables you to have text messages transmitted to your vehicle via the BMW Assist homepage.

1. Call up "Communication".
2. Select "BMW Assist" and press the controller.
3. Select "My Info" and press the controller.



4. To call up or display a news item:

- ▷ Select "Update messages" and press the controller. The news items are transmitted.
- ▷ To display an older news item:
Select the news item and press the controller.

When you have received a message including a phone number or an address, you can relay this information to your navigation system or telephone. Your mobile phone must be logged on in the car before you can do this.

A maximum of ten news items can be displayed. Before you can receive further new messages, some of the existing messages may have to be deleted:

1. Select the news item and press the controller.
2. Select "Options" and press the controller.
3. Select "Delete" and press the controller.

Adapting TeleService or BMW Assist

Displaying and updating services

You will be notified if the scope of TeleService or BMW Assist changes. In this instance, you should update the services.

1. Call up start menu.
2. Press the controller to call up the **i** menu.

3. Select "Communication interface" and press the controller.
4. Select "BMW Service settings" and press the controller.
5. Select "Service status" and press the controller.
The current TeleService or BMW Assist services are displayed.

6. Select "Options" if appropriate and press the controller.



7. Select "Update services" and press the controller.

Barring services

1. Call up start menu.
2. Press the controller to call up the **i** menu.
3. Select "Communication interface" and press the controller.
4. Select "BMW Service settings" and press the controller.
5. Select "Service status" and press the controller.
6. Select "Options" and press the controller.
7. Select "Deactivate services" and press the controller.

The use of TeleService or BMW Assist is barred; the car's current position will not be transferred if an emergency call* is made. To cancel the barring, the system must be reactivated, see page 150. Your contractual agreement is not affected by this.

Automatic Service notification can be cancelled separately. To do this, please contact BMW Service.

Enable TeleService and, if appropriate, BMW Assist to register again.

Displaying vehicle data

With TeleService or BMW Assist enabled, you can have your car's registration number and Vehicle Identification Number displayed.

1. Call up start menu.
2. Press the controller to call up the **i** menu.
3. Select "Communication interface" and press the controller.
4. Select "BMW Service settings" and press the controller.
5. Select "Profile" and press the controller.



To alter the registration number, please contact BMW Service.

BMW contact*

You can establish voice contact with the following services via your logged-on mobile phone without needing to sign up to BMW Assist:

- ▷ Mobile Service* of the BMW Group, if you require breakdown assistance
- ▷ BMW Service, if you want to arrange a Service appointment for example
- ▷ BMW hotline, for information on every aspect of your car

iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.
2. Move the controller forwards to select "Communication".

3. Select "BMW Contact" and press the controller.



4. Select "BMW Contact" and press the controller.



4. Select "BMW Contact Numbers" and press the controller.



5. Select "Nearest BMW dealer" and press the controller.



5. Select one of the following menu items and press the controller:

- ▷ "BMW Mobile Service"
- ▷ "Customer Service"
- ▷ "Your BMW dealer"

6. Select "Call" and press the controller. Contact is established.

Contacting the nearest BMW Service*

The navigation system can display details of the BMW Service outlets in your vicinity. You can call one of the BMW Service outlets or transfer its address to your navigation system as a destination.

1. Insert the navigation DVD if necessary.
2. Press the **MENU** button. The start menu is called up.
3. Move the controller forwards to call up "Communication".

A list of BMW Service outlets in the vicinity of your current position is displayed.

To call a BMW Service outlet:

1. Select the desired BMW Service and press the controller.
2. Select "Call" and press the controller. Voice contact is established with the BMW Service outlet.

To adopt a BMW Service outlet as a destination for the navigation system:

1. Select the desired BMW Service and press the controller.
2. Select "Accept as destination" and press the controller.

The BMW Service outlet is selected as the destination and route guidance is started.

You can e.g. pick up your e-mails or the latest news with BMW Online.

Other services are also available to you on the Internet, e.g.:

- ▶ With the help of bookmarks, you can define which services you wish to use frequently in your vehicle.
- ▶ You can enter addresses that you wish to call up in the vehicle.

Detailed information about BMW Online services is available from BMW Service.

Requirements

In vehicles equipped with the Business mobile phone preparation, the SIM card is integrated in the car.

The automatically selected mobile phone network must support the services.

Registering for BMW Online

Before you can use BMW Online, you must obtain your personal password by text message/SMS.

iDrive, operating principle, see page 14.

1. Press the **MENU** button.
The start menu is called up.



2. To call up "Communication", move the controller forwards.

3. Select "BMW Online" and press the controller.



4. Select "Accept" and press the controller.
5. Once the connection has been established, press the controller to confirm the phone number displayed.
6.  Select arrow and press the controller to end BMW Online.
The password is sent immediately by text message/SMS to the mobile phone number quoted in the contract.
7. After receiving the password, start BMW Online, see page 157.

 You can specify further users of BMW Online via the Internet. These secondary users have restricted access to services in the vehicle, to the Internet or to a WAP mobile. If a secondary user logs on, his password is sent by text message/SMS to the mobile phone number quoted on the Internet. ◀

Starting BMW Online

1. Call up "Communication".
2. Select "BMW Online" and press the controller.
3. Select "Accept" and press the controller.
4. Once the connection has been established, select the user ID and press the controller.
5. In order to use BMW Online in a different car, e.g. in a courtesy car:
Select "Guest user" and press the control-

ler, then enter the user ID in the same way as the password.

6. Select "Password" and press the controller.
7. To enter the password, select the characters one by one and press the controller after each character.

Each character of the password is represented by an asterisk on the control display.

To enter blank spaces:

Select the  symbol and press the controller.

To delete the letter entered:

Move the controller to the right to select

 and press the controller.



8. Press controller.

The services available are displayed.

You can switch on automatic logon so that you can log on automatically with the user ID.

 If you have forgotten your password, you can obtain a new one over the Internet. ◀

With the Business mobile phone preparation, you can use BMW Online in the car and conduct phone calls at the same time.

Using services



1. Select the desired menu item.
2. Press controller.

Controls

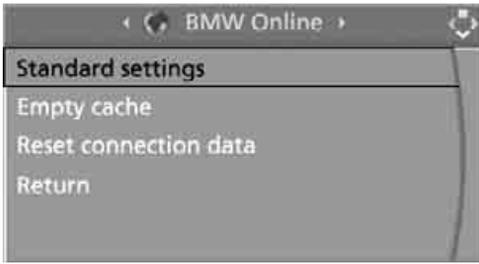
-  Return to the previous page.
-  Update page.
-  Call up start page.
-  Interrupt loading of page.

SET To perform adjustments:

- ▷ "Standard settings":
Deleting the data for the browser's buffer memory, resetting dial-up data for BMW Online and switching off automatic logon.
- ▷ "Empty cache":
Deleting the data in the browser's buffer memory.
- ▷ "Reset connection data":
Resetting the dial-up data for BMW Online.
- ▷ "Back":
Quit **SET**.

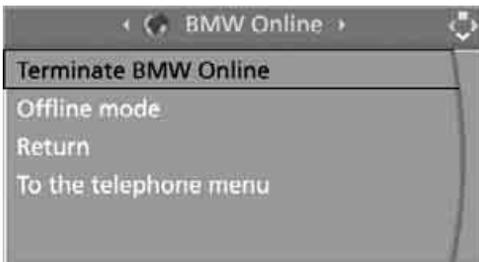


If you sell your car at some stage, select the "Standard settings" first. ◀



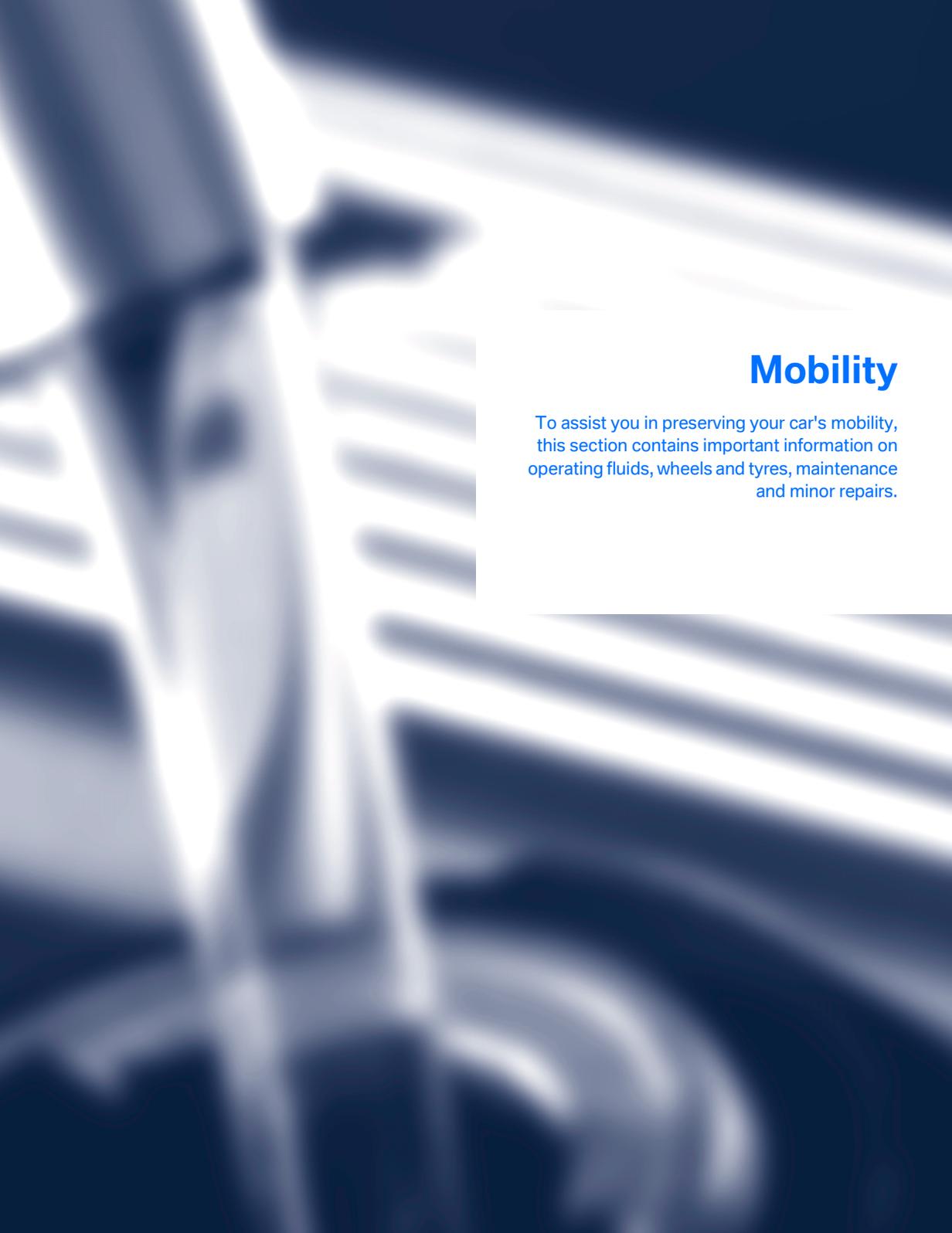
Switching off BMW Online

1. Select the arrow and press the controller.
2. Select the desired menu item:
 - ▷ "Terminate BMW Online"
 - ▷ To end the connection and use the current pages in the browser's buffer memory:
"Offline mode"
 - ▷ With the Business mobile phone preparation, to dial a number without terminating the connection:
"To the telephone menu"
3. Press controller.



The pay connection is automatically terminated if you do not use BMW Online for approx. 5 minutes, e.g. if you change menus. When the ignition is switched off, the connection is terminated after approx. 30 seconds. ◀



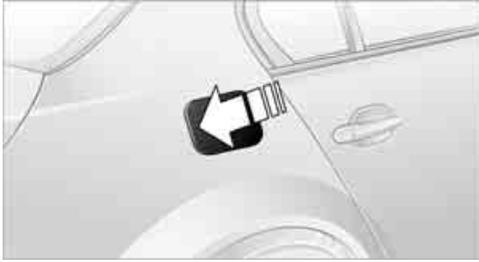


Mobility

To assist you in preserving your car's mobility, this section contains important information on operating fluids, wheels and tyres, maintenance and minor repairs.

Refuelling

Fuel filler flap

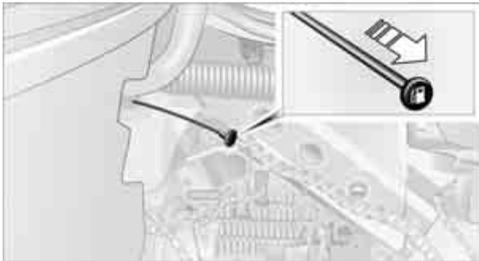


Briefly press the rear edge to open and close.

Manual release

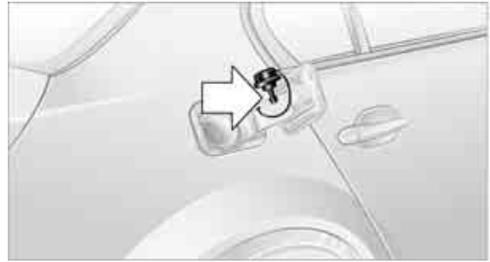
In the event of an electrical fault, you can release the fuel filler flap manually.

1. Lift up the floor mat and the cover beneath it in the luggage compartment.
2. Release the quick-release fasteners on the right-hand side trim and take off the side trim.
3. Pull the knob with the fuel pump symbol.



Note when refuelling

 When handling fuel, comply with the safety regulations displayed by garages and filling stations. ◀



Place the tank cap in the holder on the flap.

When refuelling, insert the filler nozzle fully into the filler neck. If the filler nozzle is raised during refuelling

- ▷ the supply of fuel will be cut off prematurely
- ▷ fuel vapour and fumes will be fed back less effectively

The fuel tank is full when the filler nozzle cuts out for the first time.

Fuel tank capacity

Approx. 70 litres (15.4 Imp. gal.), including reserve of approx. 15 litres (3.3 Imp. gal.).

 If the range is below 50 km (30 miles), refuel the car, otherwise the engine's functions are not assured and damage may occur. ◀

Closing tank cap

Fit the tank cap and turn clockwise until it is clearly heard to click into place.

Fuel grade

 Never use fuel containing lead, as the oxygen sensor and the catalytic converter will otherwise be permanently damaged. ◀

Ultra low sulphur fuel may also be used. Since the engine has a knock control function, it can run on different grades of fuel.

- ▷ The engine of your BMW M5 is rated to run on:

Super Plus/premium plus fuel, octane number 98 RON.

Fill up with fuel of this grade whenever possible, so that the nominal performance and fuel consumption values are achieved.

- ▷ The minimum permissible grade is:

Premium-grade unleaded fuel, octane number 95 RON.

This fuel is also sold under the following designations:

DIN EN 228 or Eurosuper.

 Do not use fuel of a quality inferior to the minimum grade indicated, otherwise the engine could be damaged. ◀

National-market versions supplied to run on inferior-grade fuel*

This specification enables you to run the car on the following minimum grade of fuel, in addition to the grades listed above:

- ▷ Regular-grade unleaded fuel, octane number 91 RON.

The nominal values for performance and fuel consumption will, however, not be achieved if this grade of petrol is used.

BMW Service will be able to tell you whether your car is such a national-market version.

National-market versions supplied to run on leaded fuel*

This specification means that you can also refuel with leaded fuel.

The minimum fuel grade remains the same.

- ▷ Pollutant levels in the exhaust gas will no longer be reduced, as the catalytic converter will be incapacitated. A charge will be made for its replacement.
- ▷ The oxygen sensor will wear at a faster rate, and will need to be checked or changed at the customer's expense at every Inspection I and II by BMW Service or by a workshop that operates to BMW specifications and has suitably trained personnel.

 Make sure that the specified maintenance work is performed regularly by BMW Service or by a workshop that operates to BMW specifications and has suitably trained personnel. Failure to service the oxygen sensor properly could result in a fire hazard, as fuel could leak out. ◀

BMW Service will be able to tell you whether your car is such a national-market version.

Wheels and tyres

Tyre pressures

Information for your safety

The condition of the tyres and maintenance of the correct tyre pressures not only influence tyre life but are also decisive factors in road safety and ride quality.

Checking pressures

 Check and adjust the tyre pressures – including the spare wheel* – on a regular basis, but at least twice a month and before setting out on any long journey. Incorrect tyre pressures can adversely affect the car's road-holding and cause tyre damage, which could result in an accident. ◀

Tyre pressure values



The tyre pressures for tyres at ambient temperature are visible on the door post when the driver's door is open.

 After correcting tyre pressures, reinitialise the Run Flat Indicator, see page 71. ◀

Tyre pressures for trailer towing

For trailer towing, the tyre pressures for the higher load in the table apply.

Note tyre size

These tyre pressures apply to sizes of tyre approved by BMW and makes of tyre recommended by BMW; details are available from BMW Service.

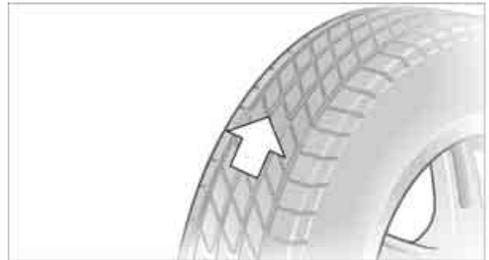
Condition of tyres

Inspect tyres frequently for damage, the presence of foreign bodies, unusual wear and sufficient tread depth.

Minimum tread depth

The tread depth should not be allowed to drop below 3 mm (0.12 in). Below a tread depth of 3 mm (1/8 in) there is an increased risk of aquaplaning when driving on wet roads at fairly high speeds.

Below a tread depth of 4 mm (0.16 in), winter tyres become noticeably less suitable for winter driving conditions. New tyres should be fitted in the interests of safety. ◀



Wear indicators in the base of the tread groove, see arrow, are distributed around the tyre's circumference; the letters TWI – Tread Wear Indicator – on the tyre's flanks identify tyres that incorporate these wear indicators. Once the tyre tread has worn down to the wear indicators, the tyre has worn to the minimum depth of 1.6 mm (1/16 in) allowed by law.

Tyre damage

Unusual vibration while the car is being driven could indicate a tyre fault or some other defect on your car. This may have been caused e.g. by driving over a kerb or similar. The same applies to any other abnormal road behaviour, such as pulling severely to the right or left.

 In such cases, reduce speed immediately and have the wheels and tyres checked

without delay. Proceed with caution to the nearest BMW Service or specialist tyre dealer that operates to BMW specifications and has suitably trained personnel. Have the car towed there if necessary. Tyre damage represents a risk of serious injury to the car's occupants and to all other road users. ◀

Age of tyres

For a variety of reasons, including the tendency of tyres to become brittle along with increasing age, BMW recommends that new tyres be fitted after not more than 6 years, irrespective of the actual level of wear. This also applies to the tyre on the spare wheel.

A tyre's date of manufacture is included in the inscription on the tyre:
DOT ... 0705 means that the tyre was manufactured in week 7 of 2005.

New wheels and tyres

 Have new wheels and tyres fitted only by BMW Service or by a specialist tyre dealer that operates to BMW specifications and has suitably trained personnel. If such work is performed inexpertly, it could result in consequential damage and thus constitute a safety risk. ◀

Retreaded tyres

 BMW advises against the use of retreaded tyres, as these could adversely affect the car's safety. Their carcasses may differ in internal construction or have aged sufficiently to limit their durability. ◀

The right wheels and tyres

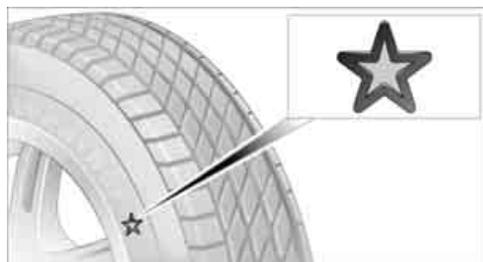
 BMW recommends fitting only wheels and tyres that it has approved for your type of vehicle, otherwise the tyres may e.g. make contact with the vehicle body due to impermissible tolerances, even though they are of an approved size; this could result in a serious accident. BMW is unable to assess the suitability of wheels and tyres it has not approved and cannot therefore guarantee their safety. ◀

Details of the correct wheel and tyre combinations can be obtained from BMW Service.

The correct wheel and tyre combination also has an influence on various systems, which could otherwise malfunction, for instance ABS and DSC.

To maintain the car's good road behaviour, always fit tyres of the same make and tread pattern to all wheels. After a tyre has been damaged, fit the original wheel and tyre combination again as soon as possible.

Recommended makes of tyre



Certain makes of tyre are recommended by BMW for each tyre size. You can recognise these by the clearly visible BMW designation on the sidewall of the tyre.

When properly used, these tyres meet the highest standards in terms of safety and handling characteristics.

Special characteristics of winter tyres

BMW recommends you to fit winter tyres if the car is used for driving in wintry conditions. Although all-season tyres with an M+S marking have better winter characteristics than summer tyres, they do not normally match the performance of winter tyres.

Note the speed limit applicable to these tyres

 Do not exceed the maximum speed laid down for the winter tyres fitted to your car, otherwise the tyres could become damaged and this could result in an accident. ◀

If the car is capable of speeds higher than that permitted for the winter tyres, a label stating the

maximum permitted speed for the tyres fitted must be displayed in your field of view. Specialist tyre dealers and BMW Service can supply these labels.

After changing wheels/tyres

After changing wheels/tyres, the slip detection feature of the Sequential M Gearbox must be familiarised with the modified status.

To this end, reinitialise the system:

1. On a straight road, at a speed of between 30 km/h and 150 km/h (20 and 90 mph) move the selector lever to neutral N.
2. Pull both shift paddles for approx. 2 seconds.

If you do not perform the initialising procedure, the system will gradually learn the modified status automatically as the car is driven. You may notice this procedure in form of temporary disengaging and re-engaging of the clutch.

Tyre storage

Store wheels and tyres in a cool, dry and preferably dark place when not in use. Protect tyres against contamination from oil, grease and fuel.

Snow chains*

Only certain fine-link snow chains have been tested by BMW, classified as safe for use and recommended. BMW Service is able to provide the details of these makes.

Such chains may be used only as a pair, in combination with winter tyres fitted at the rear.

When fitting, comply with the snow chain manufacturer's instructions. When snow chains are in use, do not exceed 50 km/h (30 mph).



Do not initialise the Run Flat Indicator if snow chains are fitted, as the system might issue an incorrect reading.

After fitting or removing snow chains, the slip detection feature of the Sequential M Gearbox must be familiarised with the modified status.

To this end, reinitialise the system, see under After changing wheels/tyres. ◀

In the engine compartment

! Do not work on the car unless you possess the necessary technical knowledge. If you are unfamiliar with the statutory guidelines, have any work on the vehicle performed only by BMW Service or by a workshop that operates to BMW specifications and has suitably trained personnel. If such work is performed inexpertly, it could result in consequential damage and thus constitute a safety risk. ◀

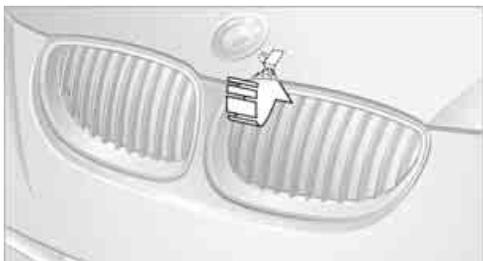
Engine compartment lid

Releasing



Pull the lever on the left beneath the instrument panel.

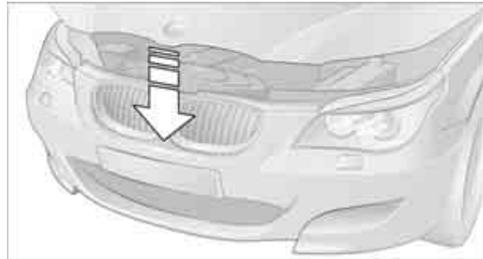
Opening



Press the release lever and open the lid.

▷ It is not possible to drive off with the engine compartment lid open. ◀

Closing

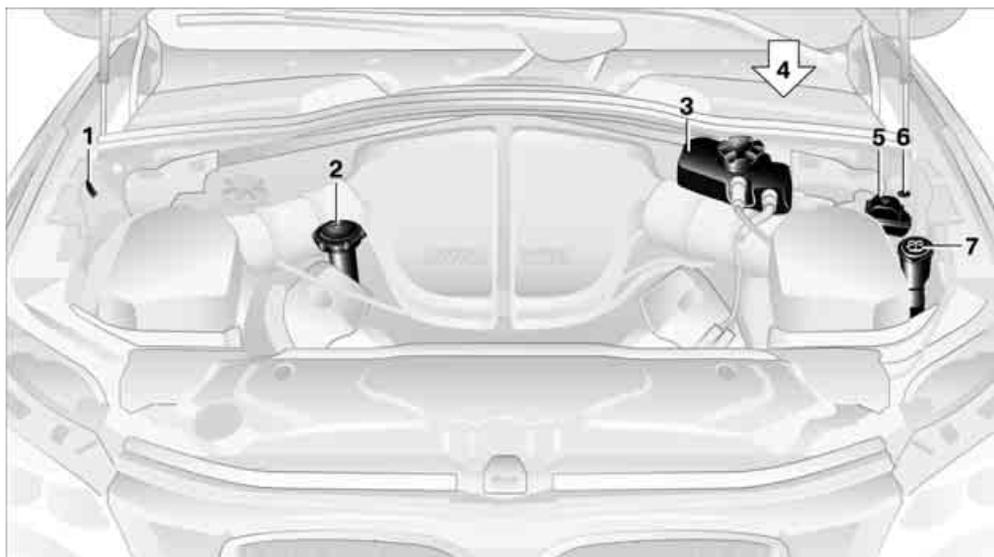


Close the engine compartment lid from a height of about 40 cm (16 in) with some momentum. It must be clearly heard to engage.

! To avoid injuries, ensure that the closing area of the engine compartment lid is unobstructed.

If you notice during the journey that the engine compartment lid has not been properly closed, stop the car at the earliest possible moment and close it correctly. ◀

The engine compartment at a glance



- | | |
|---|--|
| <p>1 Vehicle Identification Number</p> <p>2 Filler neck for engine oil, see Adding engine oil, page 169</p> <p>3 Coolant expansion tank, see page 170</p> <p>4 Reservoir for brake fluid, under the microfilter housing</p> | <p>5 Jump-starting connection, see page 184</p> <p>6 Body earth/negative terminal</p> <p>7 Reservoir for washer fluid for headlight cleaning system and windscreen washer, see page 54</p> |
|---|--|

Engine oil

Engine oil consumption depends on driving style and the operating conditions.

Checking engine oil level

Your car is equipped with an electronic oil-level monitor. You call up the oil level in the instrument cluster.



- 1 Oil level
- 2 Maximum mark
- 3 Minimum mark

Press the BC button on the flashing turn indicator lever until the display for oil level appears in the instrument cluster. The numerical value

displayed indicates the current amount of oil above the minimum level in litres.

When the engine is started, the value last calculated is displayed.

The oil level must be between the two marks.

Precise level measurement

The oil level is measured continuously during a journey or while the car is at a standstill with the engine running.

It may take 30 minutes or longer for a new value to be calculated.

 If only dashes are shown in the display, it has not been possible to calculate a new value. This may be the case e.g. if only short distances have been driven or if the car has been driven enthusiastically. ◀

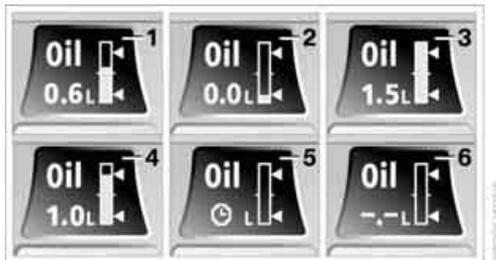
Rapid measurement

In addition to continuous measurement, you also have the option of performing a rapid measurement of the current oil level, e.g. after topping up engine oil, though this measurement is not as precise.

1. Park the car on a level surface with the engine at operating temperature, in other words after driving uninterrupted for at least 10 km (6 miles).
2. Leave the engine running at idle speed.
3. Press the BC button on the flashing turn indicator lever until the display for oil level appears in the instrument cluster.
4. Press the BC button on the flashing turn indicator lever for at least 2 seconds.
The oil level is gauged. A clock symbol appears during the measuring process.
5. The current oil level is displayed after approx. 1 minute.

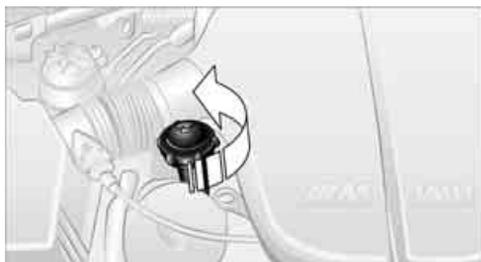
 If not all conditions of measuring are met, e.g. if the engine is still cold, "-.-" appears. The requested measurement will be performed as soon as possible. ◀

Possible displays



- 1 Oil level correct
- 2 Oil level at minimum:
Top up with no more than 1 litre of engine oil at the next opportunity, see Adding engine oil further below
- 3 Oil level too high
 Have the car checked immediately, otherwise too much oil could result in engine damage. ◀
- 4 Oil level at maximum
- 5 Rapid measurement in progress: oil level is being gauged
- 6 No value can be calculated at the moment

Adding engine oil



Do not add oil until the oil level measurement function indicates a value just above the minimum of 0.0 litre. When this level is reached, a message also appears on the control display.

 Top up the oil level within the next 200 km (125 miles), otherwise the engine may suffer damage.
Top up with no more than 1 litre (1.8 Imp. pints) of oil, as adding too much oil could result in engine damage.
Add at least 0.5 litre (0.9 Imp. pint) of oil,

otherwise the oil level check will be unable to display the new oil level reliably. ◀

 Keep all oils, greases etc. out of the reach of children and read and comply with any warning instructions on the containers, to avoid any health risks. ◀

Oil change

Have oil changes performed either by BMW Service or by a workshop that operates to BMW specifications and has suitably trained personnel.

Approved engine oils

The quality of the engine oil is a decisive factor for the correct operation and long life of your car's engine. On the basis of extensive tests, BMW regularly approves specific grades of engine oil.

 BMW Service will be able to inform you which oil grades of viscosity SAE 10W-60 are approved for your car by BMW. ◀

 Do not use any oil additives, as these could in certain circumstances result in engine damage. ◀

Alternative oil grades

If exceptionally none of the approved grades of oil is available, you can top up the oil level in between oil changes with other grades of oil. The oil specification on the container must be one of the following:

- ▷ Viscosity:
Preferred: SAE 10W-60;
Alternatively: SAE 10W-40, SAE 5W-50 or SAE 10W-50
- ▷ Specification:
Preferred: ACEA A3/B3 or API SJ/CF;
Alternatively: ACEA A3-96 or API SJ, also SK, SL, S...

Low ambient temperatures

The oil grades with which your vehicle type is filled at the factory by BMW are suitable for virtually all ambient temperatures. However, if the car is used at temperatures below -20 °C for

longer periods, BMW Service will gladly recommend a suitable oil.

Coolant

 Do not open up the cooling system while the engine is hot, otherwise you may scald yourself on the escaping coolant steam. ◀

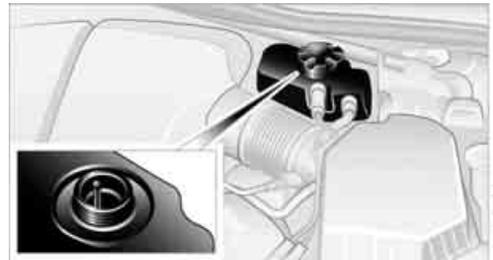
Coolant consists of water and an antifreeze and corrosion inhibitor additive. Not all commercially available additives are suitable for your BMW. BMW Service can provide details of which additives are suitable.

 Use only suitable additives, otherwise the engine could incur damage. As these additives are hazardous to health, observe the notes on the containers. ◀

 When disposing of coolant additives, comply with the relevant environmental protection regulations. ◀

Checking coolant level

1. The engine must be at ambient temperature.
2. Turn the cap on the expansion tank slightly anti-clockwise until it starts to open, then allow the pressure to escape before opening it fully.
3. The coolant level is correct if the top end of the float rod is on a level with the upper edge of the filler neck, see also diagram next to the filler neck.



4. If necessary, slowly top up to the correct level; do not overfill.
5. Turn the cap to close until it is heard to click.

6. Have the cause of coolant loss rectified as soon as possible.

Brake system

Malfunction

Brake fluid



If the warning light lights up red even though the handbrake is released and a message appears on the control display:

stop as soon as possible.

The brake fluid level in the reservoir is too low.

You may simultaneously notice a marked increase in brake pedal travel. Have the system checked without delay.



If you continue to drive the car, increased brake pedal movement may be necessary

and braking distances may be significantly longer. Modify your driving style accordingly. ◀

Brake pads



If the warning light lights up red even though the handbrake is released and a message appears on the control display:

the brake pads have reached the safe limit for pad wear. Have the brake pads changed without delay.

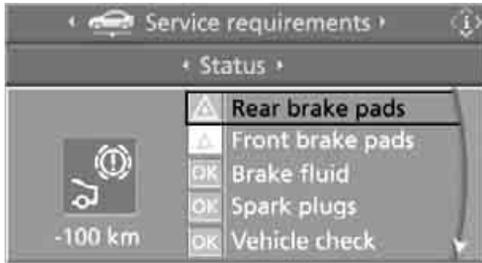


In the interests of your own safety, use only brake pads that BMW has approved

for this particular model type. BMW is unable to assess the suitability of brake pads it has not approved and cannot therefore guarantee their safety. ◀

Maintenance

BMW Maintenance System



The BMW Maintenance System contributes towards upholding the roadworthiness and operating reliability of your BMW. It also covers comfort and convenience aspects, such as ensuring that filters for the air in the car's interior are renewed in good time. Its purpose is to optimise maintenance measures with a view to minimising the cost of looking after your car.

If and when you come to sell your BMW, a comprehensive record of servicing will prove a significant benefit.

Condition Based Service CBS

Sensors and advanced algorithms take account of the varying conditions in which your BMW is used. Condition Based Service uses these to determine current and future servicing requirements. The system provides you with an opportunity to tailor the scope of maintenance work to your personal standards, so that your BMW will always be reliably operational.

You can call up the remaining times or distances of selected maintenance aspects individually on the control display, as well as the dates of any statutory inspections, see page 60:

- ▷ Engine oil
- ▷ Brakes, separately for front and rear
- ▷ Micro-filter/activated charcoal filter
- ▷ Brake fluid
- ▷ Spark plugs

- ▷ Vehicle check
- ▷ Statutory vehicle inspections, depending on national requirements

Your car gradually stores such information in the master key as the car is being driven. Your BMW Service Advisor can read out these data from the master key, and will propose an optimised maintenance approach on this basis. Please therefore hand the BMW Service Advisor the key that you last used to drive the car whenever you take it in for servicing.

 Make sure that the date in the iDrive is always set correctly, see page 66, otherwise the effectiveness of Condition Based Service CBS is not assured. ◀

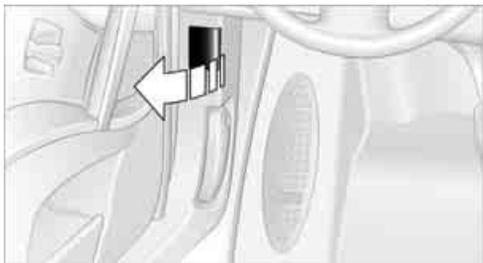
Service Booklet

Further information on the maintenance routines required is provided in the Service Booklet.

 BMW recommends that you have maintenance and repair work carried out by BMW Service.

Make sure that maintenance work is confirmed in the Service Booklet after it has been carried out. These entries are evidence that your BMW has been serviced regularly and correctly. ◀

Socket for on-board diagnosis OBD



Components which have a decisive effect on exhaust emissions can be tested via the OBD socket with a suitable device.

This on-board diagnosis socket is on the driver's side, on the underside of the instrument panel to the left, behind a cover.

Exhaust emissions



If the warning light comes on: exhaust emission values have deteriorated.

Have the car checked as soon as possible.

Recycling

The very design of your car incorporates a recycling-friendly concept that extends to both the production methods used and the choice of materials.

BMW recommends that you hand in your car to a salvaging operator approved by the BMW Group at the end of its operating life. In doing this, you will be making an active contribution towards protecting resources and the environment. The regulations concerning the returning of end-of-life vehicles may vary from country to country. You can obtain more information on the Internet under www.bmw.com or from your BMW Service.

General care

Useful hints on care of your BMW are provided in the booklet *Looking after your car*.

Replacing parts

Toolkit



You will find the toolkit in the luggage compartment lid.

Unscrew the wing bolt to remove.

Wiper blades, renewing



1. Fold out the wiper arm and hold it securely.
2. Squeeze together the retaining tabs, simultaneously pushing the wiper blade forward out of the holder.

Lights and bulbs

Lights and bulbs are an important aspect of driving safety. Adequate care and attention should therefore be taken when handling these components. BMW recommends that any routines that you are not familiar with or that are not described here be entrusted to BMW Service.

 Do not touch the glass of a new bulb with the fingers, because even slight amounts

of dirt or grease will then be burned into the bulb and reduce its working life. Use a clean tissue, cloth or similar, or hold the bulb by its base. ◀

A box containing spare bulbs is available from BMW Service.

 Before performing any work on the lighting system, switch off the lights in question, otherwise there is a risk of short-circuits. Observe any instructions supplied by the bulb manufacturer, to avoid the risk of injury or damage when changing bulbs. ◀

Please see the booklet Looking after your car for notes on care of the headlights.

Xenon headlights

The operating life of these light units is extremely long and the likelihood of failure very low, provided that they are not switched on and off a very great number of times. If a xenon headlight should none the less fail, switch on the fog lights and continue the journey with great care, bearing in mind that visibility will be poorer, provided that local legislation does not prohibit this.

 Have any work on the xenon headlight system, including bulb-changing, performed only by BMW Service or by a workshop that operates to BMW specifications and has suitably trained personnel. Otherwise there is a risk of potentially fatal accidents if work is performed inexpertly, because of the high electrical voltages present. ◀

Side and parking lights

In the event of a fault, please contact BMW Service or a workshop that operates to BMW specifications and has suitably trained personnel.

Front flashing turn indicator

21 Watt bulb, PY 21 W

1. Turn the bulb holder to the left and take it off.



2. Press the bulb in slightly and turn to the left, take out and renew.

Side flashing turn indicators

5 Watt bulb, W 5 W

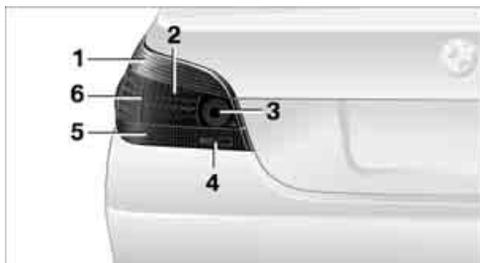
1. Push the light back at its front edge with the fingertip and swing it out.



2. Turn the bulb holder to the left and take it off.
3. Pull out the bulb and change it.

Rear lights

- ▷ Flashing turn indicators: 21 Watt bulb, PY 21 W
- ▷ Reversing lights: 16 Watt bulb, W 16 W
- ▷ Other lights: 21 Watt bulb, P 21 W



- 1 Flashing turn indicators
- 2 Rear light
- 3 Rear light and rear fog light
- 4 Reversing lights
- 5 Reflector
- 6 Parking, stop and brake lights

Centre brake light

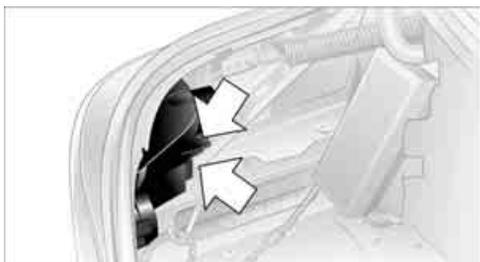
This light uses LED technology. In the event of a fault, please contact BMW Service or a workshop that operates to BMW specifications and has suitably trained personnel.

Lights in the side section

The illustration shows the cutout in the luggage compartment on the left.

All bulbs are grouped together in a central bulb holder.

1. Lift up the floor mat.
2. Release the quick-release fasteners on the side trim and pull out the trim.
3. Squeeze together the bulb holder at the top and base, and take it off.



4. Reversing lights:
Pull out the bulb and renew it.
Other lights:

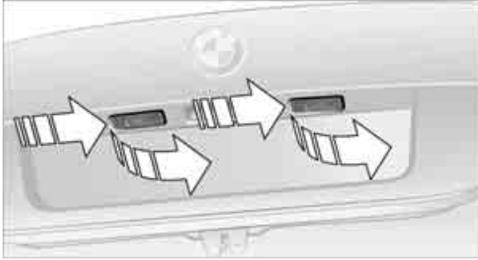
Press the bulb in slightly and turn to the left, take out and renew.

Lights in luggage compartment lid

Licence plate lights

5 Watt bulb, C 5 W

1. Insert a screwdriver into the slot and press to the right, see arrows. This releases the light.



2. Take out the light and renew the bulb.

LED light-emitting diodes

Controls, displays and other equipment items inside your car have light-emitting diodes behind a cover as their light source. These LED resemble conventional lasers and are classified by law as Class 1 light-emitting diodes.

⚠ Do not remove the covers or expose the eyes directly to the unfiltered light source for several hours at a time, as this could cause irritation to the retina. ◀

Repairing a puncture with the M Mobility System

Your BMW M5 is supplied with an M Mobility System for repairing punctured tyres. With the aid of this system, you can apply a sealant around the inside of the tyre as a means of sealing the damaged area, reinflating the tyre and continuing your journey.

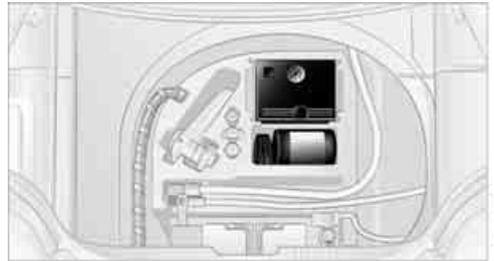
⚠ Safety precautions in the event of a puncture:

Park the car as far as possible from moving traffic, on a firm surface. Switch on the hazard warning flashers.

Allow the steering lock to engage with the wheels in the straight-ahead position. Apply the handbrake and engage first gear or reverse. All occupants must leave the car and be led to a point where they are not exposed to risk, for example behind a crash barrier at the side of the road.

If necessary, set up the warning triangle or a flashing warning light at a sufficient distance to the rear. Comply with relevant local laws. ◀

Preparations



The M Mobility System is housed in the luggage compartment beneath the floor panel flap. If an object has penetrated the tyre, it is best to leave it in position.

▷ The relevant instructions regarding the use of the M Mobility System are also to be found on the unit. ◀

⚠ Before using the M Mobility System, read the notes on the sealant bottle. ◀

Peel the speed limit reminder sticker off the sealant bottle and affix it to the steering wheel.

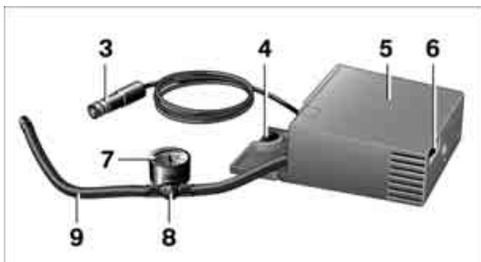
▷ Please note the expiry date on the sealant bottle. ◀

What the M Mobility System comprises



- 1 Sealant bottle and sticker with speed limit
- 2 Filler hose for connecting sealant bottle to wheel

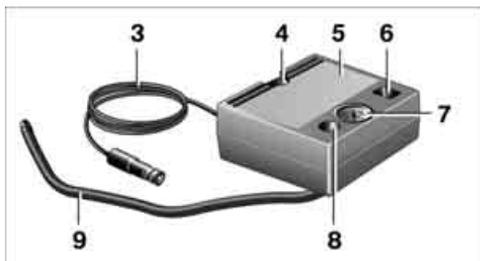
Version with pressure gauge on hose*



- 3 Plug and lead for cigarette lighter socket
- 4 Holder for the sealant bottle
- 5 Compressor
- 6 On/off switch
- 7 Pressure gauge for displaying tyre pressure
- 8 Screw on pressure gauge for reducing the tyre pressure
- 9 Connecting hose for connecting compressor and sealant bottle or compressor and wheel

The plug, cable and connecting hose are stored in the compressor housing.

Version with pressure gauge integrated into housing*



- 3 Plug and lead for cigarette lighter socket
- 4 Holder for the sealant bottle
- 5 Compressor
- 6 On/off switch
- 7 Pressure gauge for displaying tyre pressure
- 8 Button for reducing tyre pressure
- 9 Connecting hose for connecting compressor and sealant bottle or compressor and wheel

The plug, cable and connecting hose are stored on the underside of the compressor.

Using the M Mobility System

To repair a punctured tyre with the M Mobility System, proceed as follows:

- ▷ Filling sealant, see below.
- ▷ Distributing sealant, see page 178.
- ▷ Reinflating tyre, see page 178.

Filling sealant

⚠ Adhere strictly to the specified procedure, otherwise sealant could escape under high pressure. ◀

1. Shake the sealant bottle.
2. Screw hose 9 onto the sealant bottle's connection.
3. Version with pressure gauge on hose: Ensure that the screw 8 on the pressure gauge is in the closed position.
4. Unscrew the dust cap on the valve of the damaged tyre and screw the filler hose 2 from the sealant bottle onto the valve.

5. Insert the sealant bottle in the compressor housing so that it is standing upright.



6. Ensure that the unit is switched off, position 0.
7. Insert plug **3** in the cigarette lighter socket inside the car, see page 91.
8. Turn ignition key to position 2: Switch on the unit and allow it to run for approx. 3 minutes to pump in the sealant. The tyre's pressure at the end of this process is irrelevant.
9. Switch off the unit.
10. Remove the connecting hose from the connection on the sealant bottle and the tyre valve. Stow away the M Mobility System again in the car.

Distributing sealant

Immediately drive approx. 3 km (about 2 miles) so that sealant becomes evenly distributed around the tyre's interior.

- ▶ Do not exceed a speed of 60 km/h (37 mph). If possible, maintain a speed of at least 20 km/h (12 mph). ◀

Reinflating the tyre

1. Stop in a suitable place after driving for approx. 3 km (2 miles).
2. Screw the hose **9** from the compressor directly onto the tyre valve.
3. Insert plug **3** into the cigarette lighter socket inside the car.

4. Adjust the tyre pressure to 2 bar (28.5 psi). To do this, with ignition key in position 2:

- ▶ To increase pressure: switch on the compressor, position I. Switch the device off briefly to gauge the current tyre pressure.

⚠ Do not run the compressor for more than 10 minutes, otherwise the unit will overheat and could become damaged. ◀

- ▶ To reduce pressure: press **8** button or turn **8** screw on the pressure gauge.

- ▶ If the pressure is not maintained, take the car for another drive, see Distributing sealant. Then repeat steps 1 to 4 once. Use of the M Mobility System may be ineffective for tyre damage measuring more than approx. 4 mm (1/8th inch). Please contact the nearest BMW Service, see page 184, or a workshop that operates to BMW specifications and has suitably trained personnel if the tyre cannot be rendered operational with the M Mobility System. ◀

⚠ The tyre pressure must be at least 2 bar (28.5 psi). If not, do not drive any further on it. ◀

Continuing the journey

⚠ Do not exceed the maximum permissible speed of 80 km/h (50 mph), otherwise there is a risk of accidents. ◀

- ▶ Reinitialise the Run Flat Indicator, see page 71 for further notes.

Have the faulty tyre and the sealant bottle of the M Mobility System replaced as soon as possible. ◀

Changing a wheel

! Safety precautions in the event of a puncture or when changing a wheel: park the car as far as possible from moving traffic, on a firm surface. Switch on the hazard warning flashers.

Allow the steering lock to engage with the wheels in the straight-ahead position. Apply the handbrake and engage a drive position with the selector lever.

All occupants must leave the car and be led to a point where they are not exposed to risk, for example behind a crash barrier at the side of the road.

If necessary, set up the warning triangle or a flashing warning light at a sufficient distance to the rear. Comply with relevant local laws. Only change wheels on a flat, firm and non-slip surface. On a soft or low-grip surface, such as snow, ice, tiles or similar, there is a risk of the car or the jack sliding sideways.

Position the car's jack on a firm surface. Never place wood blocks or similar under the jack, or the maximum lifting capacity may be exceeded due to the restricted height. When the car is jacked up, do not lie under it or start the engine, as this could lead to a potentially fatal accident. ◀

What you need

To avoid rattling noises later, please make a note of the positions of the tools when they are removed, and replace them in the same positions later.

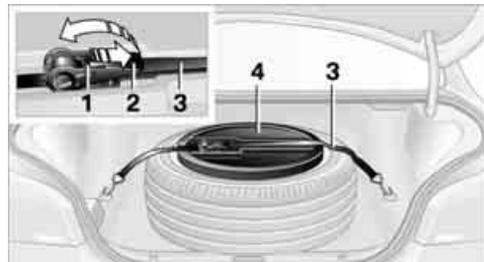


- 1 Wheel chock*
- 2 Jack*
- 3 Wheel stud wrench*

The tools are located in the holder in the spare wheel*.

Spare wheel*

1. Pull back catch **1**, fold the buckle **2** fully open and loosen the belt **3**.



2. Take off the cover **4**.
3. Take the tool holder out of the spare wheel.
4. Remove the spare wheel.

Preparations for changing a wheel

1. Observe the safety notes further above.
2. Prevent the car from rolling away: Place the wheel chock behind the front wheel on the side opposite to the wheel that is to be changed, or in front of that front wheel if the car is pointing downhill. If the car is on a significant incline, protect it additionally against rolling away.
3. Slacken off the wheel studs by half a turn. Thiefproof wheel studs, see page 181.

Jacking up the car

1. Position the car jack beneath the jacking point closest to the wheel that needs to be changed, with the jack base vertically beneath the jacking point and resting on the ground across its full surface.

! Use the jack only for wheel changing. Do not attempt to raise another type of vehicle or any other load with this jack; this could result in injury or damage. ◀

2. Introduce the head of the jack into the rectangular recess as it is extended, see detail.



3. Continue to turn the crank handle until the wheel you wish to change is lifted clear of the ground.

Fitting the wheel

1. Take out the wheel studs and remove the wheel.
2. Remove heavy dirt deposits from the wheel and hub contact faces and clean the wheel studs.
3. Fit the new wheel or the spare wheel and insert at least two diagonally opposed wheel studs.
If the car is not fitted with alloy wheels of the Genuine BMW type, note that different wheel studs may be needed.
4. Insert and screw up the remaining wheel studs, then tighten them all firmly, working across the hub rather than round it.
5. Lower the car and remove the jack.

After fitting

1. Tighten the studs alternately on opposite sides of the hub.
 -  For safety reasons, have the wheel stud tightening torque checked without delay, using a suitable calibrated torque wrench. The correct tightening torque is 120 Nm. ◀
2. Correct the tyre pressure at the earliest opportunity.

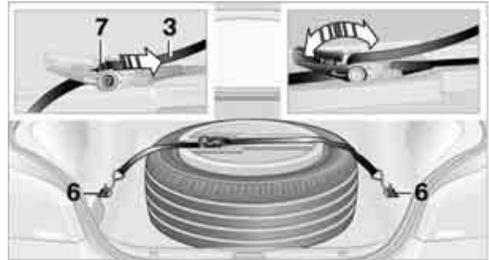
 Prevent dirt from entering the tyre valves by attaching screw-on dust

caps. Dirt in the tyre valve can often lead to a gradual loss of air pressure. ◀

3. Initialise the Run Flat Indicator, see page 71, and the Sequential M Gearbox, see After changing wheels/tyres on page 166.
4. Fit a new tyre in place of the damaged one as soon as possible, and have a new wheel balanced.

Stowing away wheel and tools

1. Place the tool holder in the wheel.
2. Place the cover on the holder.
3. Align the wheel and cover centrally in relation to the lashing eyes 6.
4. Engage the strap in the lashing eyes.



5. Open the buckle fully.
6. Thread the strap 3 through the buckle's shaft 7, taking care not to twist it, and tighten it by hand.
7. Tighten the strap by repeatedly folding the buckle open and closing it again.
8. Fold the buckle closed and tuck away the loose end of the strap.

Driving with spare wheel

 With certain wheel/tyre combinations, the size of the spare wheel differs from that of the other wheels. The spare wheel is suitable without restriction for driving at all loads and speeds. However, you are advised to fit a wheel/tyre combination that matches the original specification as soon as possible. ◀

Thiefproof wheel studs



- 1 Wheel stud for adapter
- 2 Adapter, in the recess beneath the luggage compartment floor

Removing a wheel stud

1. Insert the adapter **2** in the wheel stud.
2. Unscrew wheel stud **1**.

After inserting, remove the adapter again.

A code number is embossed on the face of the adapter. Please note this number and keep the details in a safe place in the event of the adapter being lost.

Car battery

Maintenance

The battery needs no routine maintenance whatsoever, in other words the quantity of acid it contains will normally last for the full operating life of the battery in temperate climates. BMW Service will gladly advise you on all matters relating to batteries.

Recharging the battery

Recharge the battery only with the engine stopped, via the connections in the engine compartment. Connections, see Starting with a flat battery on page [184](#).

Disposal



After changing batteries, have any old batteries disposed of by BMW Service or take them to an official collecting point. Batteries filled with acid should be transported and

stored upright. Protect batteries against falling over when in transit. ◀

Power failure

After a temporary power failure, the functions of certain equipment items may be restricted, as they require reinitialising. Individual settings may likewise have been lost and will have to be reprogrammed:

- ▷ Seat, mirror and steering wheel position memory
The positions must be reprogrammed, see page [37](#).
- ▷ Time and date
The settings must be updated, see page [65](#) onwards.
- ▷ Radio
It may be necessary to enter the stations in the memory again, see page [136](#).
- ▷ Navigation system
Wait for full functionality to be restored, see page [125](#).

Fuses



Do not repair blown fuses or replace them with fuses with different colours or ampere ratings, otherwise overloaded electrical wires can cause a fire in the vehicle. ◀

There are spare fuses, plastic tweezers and details of the layout of the fuses in the toolkit compartment, see page [174](#).

In glove box

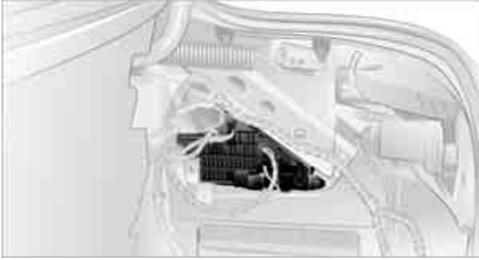
1. Open both quick-release fasteners.



2. Fold the lid forwards or take it off.

In luggage compartment

1. Lift up the floor mat.
2. Open the quick-release fasteners on the right-hand side trim and pull out the trim.



Mutual aid

Emergency call*

In order to make an emergency call:

- ▶ The ignition key must be in position 1 or beyond, or the telephone's handset must be switched on.
- ▶ The mobile phone network must be receivable.
- ▶ The emergency call system must be operational.
- ▶ It may be necessary for the SIM card to be inserted and the PIN number to be entered. It is possible to make an emergency call in most GSM networks even without the SIM card inserted.

The emergency number may vary from country to country, but an emergency call can still be made using the button in most GSM networks.

Misuse of the emergency call system is a punishable offence.

Making an emergency call

1. To open the cover flap for the button: briefly press cover flap.



2. Press the button for at least 2 seconds. If a cancel query appears on the control display, you can interrupt the emergency call within 5 seconds.

The indicator light in the button comes on. As soon as a telephone connection has been established with the general emergency number, the indicator light flashes.

If the situation allows, wait in the car until voice contact has been established. You can then provide more precise details of the situation.

On vehicles where BMW Assist has been enabled, telephone contact is established with the BMW Assist emergency call centre. If the car's current position can be determined, it is transferred to the emergency call centre.

If the indicator light flashes but you cannot hear the emergency call centre via the hands-free facility, this may mean e.g. that the hands-free facility is not working. However, the emergency call centre may still be able to hear you speak.

In certain circumstances, an emergency call may be placed automatically immediately after a serious accident. Use of the button does not interfere with an automatic emergency call.

 For technical reasons, it may not be possible to make an emergency call in highly adverse conditions. ◀

Warning triangle*

 Please note that you may be required by law to carry a warning triangle in the car. ◀

You will find the warning triangle in the luggage compartment lid.



Unscrew the wing bolt to remove.

First aid pouch*

 Certain items in the first aid pouch have a limited useful life. Check the expiry dates of the contents regularly and replace any items that have expired. Replacements are available in any chemists. Comply with legal requirements concerning the need to carry a first aid pouch in the car. ◀



You will find the first aid pouch in the luggage compartment lid.

Unscrew the wing bolt to remove.

Mobile Service*

The BMW Group's Mobile Service is there to provide breakdown assistance for you round the clock, including at weekends and on public holidays.

The telephone numbers for Mobile Service in your home country are in the Contact booklet. In vehicles equipped with BMW Assist or Tele-Service, you can establish contact with the BMW Group's Mobile Service for breakdown assistance directly via iDrive, see page 151.

Starting with a flat battery

If your car's battery is flat, the engine of your BMW can be started with the aid of two jump leads from another vehicle's battery. In the same way, you can help another car to start. Use only leads with fully insulated terminal clamps.

 Do not touch any electrically live parts when the engine is running, or a fatal

accident may occur. Do not depart from the procedure described below, otherwise personal injury could result or one or both vehicles be damaged. ◀

Preparations

1. Check whether the battery of the other vehicle has a voltage of 12 Volt and approximately the same capacity in Amp/h. This should be printed on the battery.
2. Switch off the engine of the donor vehicle.
3. Switch off all consumers in both vehicles.

 The bodies of the two vehicles must not make contact, otherwise there is the risk of a short-circuit. ◀

Connecting the jump leads

 Connect the jump leads in the correct order, so that no sparks which could cause injury occur at the battery. ◀

Your BMW has a jump-starting connection in the engine compartment which acts as the battery's positive terminal, see also Engine compartment overview on page 168. The cap is marked with +.

1. Fold open the cover on the BMW's jump-starting connection by pulling the tab.



2. Connect a terminal clamp on the positive/+ lead to the battery's positive terminal or to a jump-starting connection on the donor vehicle.
3. Connect the other terminal clamp to the battery's positive terminal or to a jump-starting connection on the vehicle to be started.

4. Connect a terminal clamp on the negative/-lead to the battery's negative terminal or to the engine or body earth connection on the donor vehicle.

Your BMW has a special nut to act as the body earth or negative terminal.



5. Connect the second terminal clamp to the battery's negative terminal or to a ground/earth connection on the engine or body of the vehicle to be started.

Starting the engine

1. Start the engine of the donor vehicle and allow it to run for a few minutes at an increased engine speed.
2. Start the engine of the other vehicle in the customary way.
If an initial attempt to start the engine fails, wait several minutes until the flat battery has been recharged to a slightly greater degree.
3. Allow the engines to run for a few minutes.
4. Disconnect the jump leads in the opposite order from that in which they were originally attached.

Check the battery if necessary and have it recharged.

 Do not use the spray products sold as starting aids. ◀

Towing away and tow-starting

Using towing eye

The screw-in towing eye must always be carried on the car. It can be screwed into the front or rear end of the BMW.

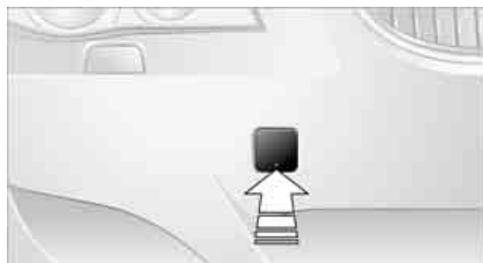
It is stored in the toolkit in the luggage compartment lid, see page 174.

 To avoid damaging the towing eye and the car, observe the following rules: use only the towing eye supplied with the car, and make sure that it is screwed in fully and is tight. Only use the towing eye for towing on roads. Avoid lateral loads on the towing eye, e.g. do not raise the car at the towing eye. ◀

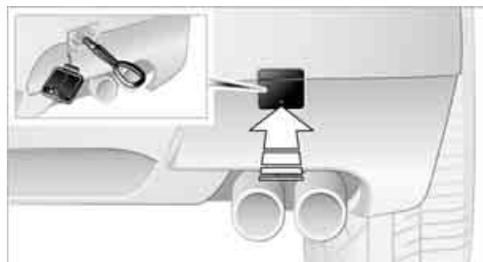
Access to screw thread

Rectangular cover in bumper: press on the arrow symbol on the cover.

Front



Rear



Being towed

 Ensure that the ignition key is turned to position 1, otherwise the steering lock could engage, rendering it impossible to steer

the vehicle. When the engine is not running, there is no power assistance and the brake servo is out of action. The steering and brakes will require extra effort to operate. ◀

Switch on the hazard warning flashers, depending on local regulations. If the car's electrical system has failed, the car to be towed must be made identifiable to following vehicles, for instance by placing a notice or the warning triangle in the rear window.

With the ignition switched on, engage selector lever position N, then turn the ignition key back to position 1.

Towing methods

 Do not raise the car at the towing eye or by body or suspension components, otherwise it could be damaged. ◀

In some countries, it is prohibited to tow another vehicle on public roads by means of a towbar or towrope. Familiarise yourself with the relevant legislation in the country in question.

With towbar

 The towing vehicle must not be lighter than the towed vehicle, otherwise it may be unable to keep the towed vehicle reliably under control. ◀

The towing eyes of both vehicles should be on the same side. If it is impossible to avoid attaching the towbar at an angle, note the following:

- ▷ Towbar clearance may be restricted when cornering.
- ▷ The towbar will generate lateral forces if it is attached offset.

 Only attach the towbar to the towing eyes. It could cause damage if attached to other parts of the car. ◀

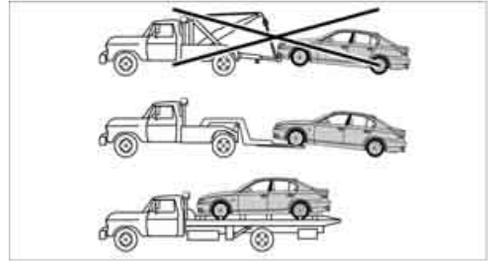
With towrope

Ensure that the towrope is taut when the towing vehicle moves off.

 For towing, use nylon ropes or tapes, as these will help to avoid sudden tensile loads. Attach towropes only to the towing eyes.

It could cause damage if attached to other parts of the car. ◀

With breakdown truck



Have the BMW transported by a breakdown truck with a hoisting frame or hoisted onto a loading platform.

Tow-starting

Vehicles equipped with a catalytic converter should only be tow-started if the engine is cold. It is preferable to start the engine using jump leads, see page 184.

1. Switch on the hazard warning flashers, complying with local regulations.
2. Turn ignition key to position 2.
3. Tow-start in selector lever position N.
4. Move selector lever to forward travel position and pull towards + within 2 seconds. The correct gear is engaged and the clutch operated automatically.
5. Halt in a suitable place, remove the towbar or towrope and switch off the hazard warning flashers.
6. Have the vehicle checked.



Reference

This chapter contains the technical data, the short commands for the voice input system and the index, which will help you find specific items of information with ease.

Technical data

Engine data

		M5
Displacement	cm ³	4999
Number of cylinders		10
Max. power output at engine speed	kW/bhp rpm	373/507 7750
Max. torque at engine speed	Nm rpm	520 6100

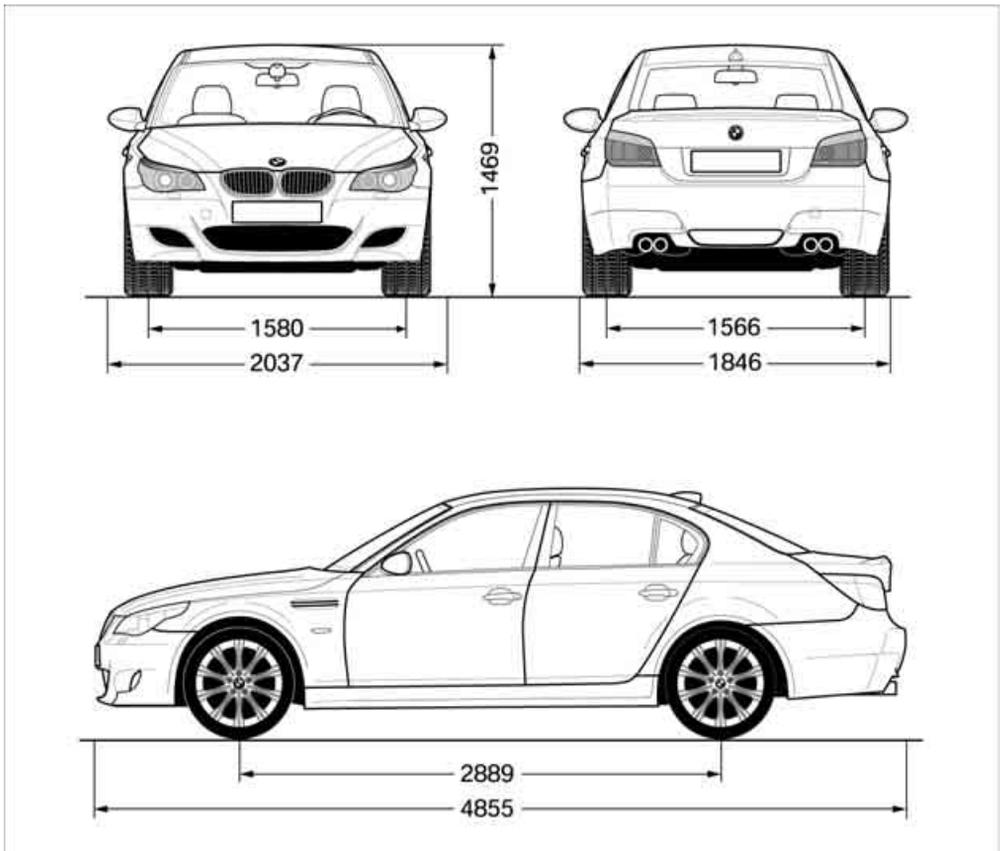
Fuel consumption, carbon dioxide/CO₂ emissions

		M5
Urban	Litres/100 km (Imp. mpg)	22.7 (12.4)
Extra-urban	Litres/100 km (Imp. mpg)	10.2 (27.7)
Combined	Litres/100 km (Imp. mpg)	14.8 (19.1)
CO ₂ emissions	Grams/km	357

Fuel consumption is determined according to a standard test method, EU Directive 80/1268/EEC. It is not the same as the average fuel consumption in practice, which depends on a great many different factors such as driving style, load, road condition, traffic density and flow, weather, tyre pressures, etc.

Engine power output and road performance data are measured in the conditions laid down by EU Directive 80/1269 EEC or DIN 70020, with the car to standard specification. This standard specifies the permitted tolerances. Optional extras or special accessories may have quite a significant influence on both performance and fuel consumption, as they often affect the car's weight and c_x value, drag coefficient, for instance a roof rack, wider tyres, additional mirrors.

Dimensions



All dimensions in mm. Smallest turning circle Ø: 12.4 m (40 ft 8 in)

Weights

		M5
Kerb weight, ready for road, with 75 kg (165 lb) load, tank 90% full, without optional extras	kg (lb)	1830 (4034)
Permitted gross weight	kg (lb)	2300 (5071)
Front axle load limit	kg (lb)	1090 (2403)
Rear axle load limit for trailer towing	kg (lb)	1270 (2800) 1420 (3131)
Towing loads according to EU operating permit. Note and comply with different values in certain countries. BMW Service will have details of possible increases.		
unbraked	kg (lb)	750 (1653)
braked, max. gradient 12%	kg (lb)	2000 (4630)
braked, max. gradient 8%	kg (lb)	2000 (4630)
Trailer nose weight	kg (lb)	90 (198)
Roof load	kg (lb)	100 (220)
Luggage compartment capacity acc. to VDA test	litres (cu. ft)	500 (17.7)

Performance

			M5
Top speed		km/h (mph)	250 (155)
Acceleration from with Launch Control and M Engine Dynamic Control "P 500" or "P 500 Sport"	0 to 100 km/h (0 to 62 mph)	s	4.7

Filling capacities

	Litres (Imp. units)	Note
Fuel tank incl. reserve of	approx. 70 (15.4 gal.) approx. 15 (1.8 gal.)	Fuel grade: page 163
Windscreen washer and headlight cleaning system	approx. 5 (8.8 pints)	Further details: page 54
Engine with oil filter renewal	9.3 (16.4)	Oil grades: page 170

Short commands for the voice input system*

Short commands enable you to perform certain functions directly irrespective of which menu

item is selected. Important short commands for the voice input system are listed below.

Assistance window

Function	Command
Calling up assistance window 18	›Assistance window↵
Selecting display in assistance window 18	›Assistance window map north orientated↵, ›Assistance window map direction of travel↵, ›Assistance window arrow view↵, ›Assistance window perspective↵, ›Assistance window vehicle position↵, ›Assistance window journey computer↵ or ›Assistance window computer↵

Communication

Function	Command
Calling up BMW Assist 150	›BMW Assist↵
Calling up "BMW Service" 152	›BMW Service↵
Calling up breakdown assistance 153	›BMW Mobile Service↵
Calling up BMW hotline 153	›Customer Service↵
Calling up "Your BMW dealer" 153	›Your BMW Dealer↵
Calling up Information Plus 153	›Information Plus↵
Calling up "Nearest BMW dealer" 153	›Nearest BMW dealer↵
Calling up "Traffic info +" 153	›Traffic info plus↵
Calling up My Info 154	›My Info↵
Calling up BMW Online 157	›BMW Online↵

Further information, see separate Operating Instructions:

Calling up telephone	›Telephone↵
Entering PIN	›Enter PIN↵
Dialling phone number	›Dial number↵
Displaying phone book	›A to Z↵
Dialling from the phone book	›Call ... ↵ or ›Dial name↵
Displaying "Top 8"	›Top 8↵
Redialling	›Last number redial↵

Function	Command
Displaying "Calls accepted"	›Calls accepted‹
Displaying "Calls not accepted"	›Calls not accepted‹
Displaying "Bluetooth"	›Bluetooth‹

Navigation

Function	Command
Calling up navigation 110	›Navigation‹
Displaying current position 124	›Vehicle position‹
Calling up "Address input" 106	›Address input‹
Calling up "New destination" 106	›New destination‹
Displaying "Destination input map" 109	›Destination input map‹
Calling up "Information" 110	›Information‹
Displaying address book 112	›From address book‹
Displaying destination list 111	›Destination list‹
Switching on route guidance 117	›Start guidance‹
Switching off route guidance 117	›Guidance off‹
Displaying route criteria 115	›Route criteria‹
Switching on spoken instructions 120	›Navigation info on‹
Switching off spoken instructions 120	›Navigation info off‹
Repeating spoken instructions 120	›Repeat navigation info‹
Displaying arrow view 118	›Arrow view‹
Displaying map view 118	›Map‹, ›Map north oriented‹, ›Map indicating direction of travel‹ or ›Perspective‹
Calling up route 108, 115	›Route‹
Calling up "New route for" 121	›New route for‹
Changing the scale 119	›Scale ... kilometres‹ or ›Scale ... metre‹
Displaying roads or places along the route 119	›Route list‹
Calling up traffic information 121	›Traffic information‹
Calling up "TMC" 121	›TMC‹

On-board information

Function	Command
Calling up "On-board Info" 58	›On-board info‹
Displaying computer 58	›Computer‹
Displaying journey computer 59	›Journey computer‹
Calling up limit speed 63	›Limit‹
Calling up stopwatch 64	›Stopwatch‹

Entertainment

Function	Command
Tone control 129	›Tone‹
Switching on radio 134	›Radio on‹, ›AM on‹ or ›FM on‹
Calling up "FM" 134	›FM menu‹
Calling up "AM" 134	›AM menu‹
Calling up "All stations" 134	›FM all stations‹
Selecting radio stations 134	›Select station‹
Calling up "Memorised stations" 134	›FM memorised stations‹, ›SW memorised‹, ›MW memorised‹ or ›LW memorised‹
Selecting a memorised radio station 134	›Select memorised station‹ ›Station ...‹
Calling up "Manual frequency selection" 135	›FM manual frequency selection‹, ›SW manual‹, ›MW manual‹, ›LW manual‹ or ›Select frequency‹
Calling up radio stations with best reception signal 136	›SW autostore‹, ›MW autostore‹ or ›LW autostore‹
Calling up "TP" 137	›TP‹
Switching on Traffic Programme 137	›Traffic reports on‹
Switching off Traffic Programme 137	›Traffic reports off‹
Calling up CD player 139	›CD menu‹
Switching on CD player 139	›CD‹
Calling up CD changer 139	›CD changer menu‹
Switching on CD changer 139	›CD changer‹
Selecting CD 139	›CD 1...6‹

Function	Command
Selecting CD and music tracks 140	›CD 1...6 track ...‹
Calling up DVD 139	›DVD drive menu‹
Switching on DVD 139	›DVD drive‹
Calling up TV 145	›Television menu‹
Switching on TV 145	›Television on‹

Climate

Function	Command
Adjusting temperature distribution for seat heating 40	›Seat-heating distribution‹
Calling up "Air distribution" 83	›Air distribution‹
Calling up "Automatic programs" 84	›Automatic programmes‹
Calling up "Independent ventilation" 85	›Independent mode‹
Calling up "Direct operation" 85	›Direct operation‹
Displaying switch-on times 85	›Switch-on times‹

i menu

Function	Command
Calling up "Door locks" 27, 29	›Door locks‹
Calling up "Steering wheel buttons" 42	›Steering wheel buttons‹
Calling up MDrive 43	›MDrive‹
Calling up "Light" 52, 77	›Light‹
Calling up "Communication interface" 150	›Communication interface‹
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Calling up "Head-Up Display settings" 74	›HUD settings‹
Adjusting brightness of control display 64	›Brightness‹
Calling up "Units" 65	›Units‹
Calling up "Languages" 65, 120	›Language‹
Calling up "Clock" 65	›Clock‹
Calling up "Date" 66	›Date‹
Calling up "RPA" 71	›RPA‹

Function	Command
Calling up "PDC" 67	›PDC‹
Calling up "Traffic information settings" 122	›Traffic information settings‹
Calling up "Entertainment settings" 129	›Entertainment settings‹

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"..." Identifies texts on the control display for selecting functions and refers you to the page where these texts are to be found.

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Refuelling

So that you always have access to the data you need when refuelling, you are recommended to enter the relevant figures for your car in the table provided below. Use the index to find the information you need.

Fuel

Designation

Enter your preferred grade of fuel here.

Engine oil

Grade

Tyre pressures

	Summer tyres front	rear	Winter tyres front	rear
--	-----------------------	------	-----------------------	------

Up to 4 persons

5 persons or 4 plus luggage

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