



HomeLink®. The integrated gate and garage door opener
Operating Instructions and Programming Guidelines

August 23, 2004

This document applies specifically to the product
HomeLink® (Europe)

**Take advantage of our service -
the reliable link between you and us.**



If you have any questions or would like further details, go to
www.eurohomelink.com or send us an e-mail: info@eurohomelink.com



or call our toll-free HomeLink Hotline: 008000 466 354 65.

www.eurohomelink.com

Description

The HomeLink system provides a convenient way to replace up to three remote controls with a single built-in component. This innovative feature learns the radio frequency codes of most current remote controls used to activate garage doors, property gates, security systems, and home or office lighting.

For more information on HomeLink and/or HomeLink compatible products, call our **toll-free HomeLink Hotline 008000 466 354 65** or refer to the **HomeLink Website www.eurohomelink.com**

Precautions



- When programming the HomeLink system to a gate or garage door opener, make sure that people and objects are out of the way to prevent potential harm or damage, in particular injuries due to trapped limbs.
- Retain the original remote control for future programming procedures (i.e. new vehicle purchase). It is also suggested that upon the sale of the vehicle, the programmed HomeLink buttons should be erased for security purposes (please refer to *Erasing Programmed HomeLink Buttons*).

Integration of HomeLink®

HomeLink is individually adapted to each vehicle type, so the integration of the HomeLink system varies according to automotive manufacturer.

The system is operated using the HomeLink control panel with three operating buttons. Programming is done via the transmitter unit. Normally the HomeLink buttons and the HomeLink transmitter unit are combined in one unit (fig. 1+2).



Fig. 1

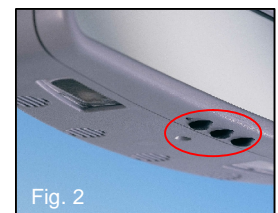


Fig. 2

In the following vehicles the transmitter unit is positioned in the described position, i.e. the remote control must be pointed towards this position for programming.

Porsche Cayenne:	In the overhead console, directly in front of the interior lighting switch
VW Phaeton:	In the interior mirror cover on the right
VW Touareg:	In the overhead console, directly in front of the third sun visor

Programming

HomeLink can be programmed in just one minute, after which all functions can be used immediately. Garage doors and property gates can be opened at the touch of a button.

Please follow the safety instructions and apply the handbrake. Switch on the ignition. Do not start the engine!

1. Press and hold the two outside buttons I and III (fig. 3) - releasing *only* when the diode begins to flash *after approximately 20 seconds*.

Note: This procedure erases the factory-set default codes and does not have to be followed to program the other HomeLink buttons.



2. Hold the original remote control of the device you wish to train at a distance of 10-30 cm away from the HomeLink transmitter unit keeping the diode in view all the time.

The distance between the remote control and the HomeLink transmitter unit depends on the system being programmed. You may require several attempts at different distances. Maintain each setting position for at least 15 seconds before trying out another.

3. Using both hands, simultaneously push the remote control button *and* the desired HomeLink button (fig. 4).

Do not release the buttons until step 4 has been completed.

4. The HomeLink diode will flash, first slowly and then rapidly. When the diode flashes rapidly, release both buttons.



The rapid flashing light indicates successful programming of the new frequency signal.

To program the remaining two buttons, follow steps 2 to 4.

Operating HomeLink®

The vehicle should be within the operating range of the gate or garage door opener and the ignition should be switched on. The HomeLink system operates the gate or garage door opener (or other device) in exactly the same way as the original remote control.

When you have programmed the HomeLink system, press the appropriate button I, II, or III on the control panel to activate the gate or garage door opener (fig. 5).

The diode will light up when you press the button on the control panel.

For convenience, the original remote control of the device may also be used at any time.



In the case of a standard code, the HomeLink diode is constantly illuminated throughout the transmission process. For use with compatible systems, no further action is necessary.

If HomeLink now does not operate your system, this may be because your original remote control has a rolling code feature. You will find advice about this in the section on *Rolling Code Synchronisation*

Rolling Code Synchronisation

You need to check by going through the following steps whether or not your gate or garage door opener (or other device) is equipped with a rolling code feature.

- Look in your gate or garage door opener manual for clarification.
- The remote control appears to program HomeLink but HomeLink does not operate the gate or garage door opener.
- Press and hold down the programmed HomeLink button.

With a rolling code system, the HomeLink diode flashes quickly for a short time and then stays on constantly for two seconds. This pattern repeats itself for up to 20 seconds.

If HomeLink was programmed with a rolling code system, then **after the end of the programming period** it must be synchronised with this system again before it will function properly.

Follow the instructions below for *Rolling Code Synchronisation* (the procedure will take less time with a second person to help).

Rolling Code Synchronisation

Your vehicle must be within operating range of the gate or garage door opener and the ignition should be switched on. Make sure you comply with the *safety instructions* even when synchronising the rolling code.

1. Locate the training button (programming button) on the gate or garage door opener motor head unit. Exact location and colour of the button may vary by gate or garage door opener brand (refer to the operating instructions of the gate or garage door opener “Training additional remote controls”).
2. Press the training button (programming button) on the gate or garage door opener motor head unit (which will usually activate a “training” light).

Note: Following step 2, there are typically 30 seconds in which to initiate step 3.

3. Firmly press and release the programmed HomeLink button. Press and release the HomeLink button *a second time* to complete the training process. (Some gate or garage door openers may require you to do this procedure a *third time* to complete the training).

The gate or garage door opener should now recognise the HomeLink signal and activate when the HomeLink button is pressed.

The remaining two buttons may now be programmed if this has not previously been done. Please refer to *Programming*.

Reprogramming a Single HomeLink® Button

If a HomeLink button has been programmed to activate a device, and you now wish to use this button to operate a different device, proceed as follows. This procedure will erase the existing programming of the respective HomeLink button.

1. Press the appropriate HomeLink button I, II, or III which you want to program and keep holding it for about 20 seconds until the diode starts flashing slowly (fig.6). **Do not release until step 4 has been completed.**
2. When the diode begins to flash slowly (after approximately 20 seconds), hold the remote control of the device you wish to train approx. 10-30 cm away from the HomeLink transmitter unit - keeping the diode in view.



Fig. 6

Reprogramming a Single HomeLink® Button

The distance between the remote control and the HomeLink transmitter unit depends on the system being learned. You may require several attempts at different distances. Maintain each setting position for at least 15 seconds before trying out another.

3. Now activate (press) the remote control and keep it pressed (fig.7).
4. The HomeLink diode will flash, first slowly and then rapidly. When the diode begins to flash rapidly, release both buttons.



The system previously programmed into HomeLink is now erased and the new system is ready for operation. This process has no effect on the other HomeLink buttons.

Erasing Programmed HomeLink® Buttons

The HomeLink buttons can simply be reprogrammed individually but not individually erased. To erase the existing programming from all three buttons, carry out the following:

1. Press and hold the two outside buttons I and III until the diode begins to flash after approximately 20 seconds (fig. 8).
2. Release both buttons.

The HomeLink system is now in setting mode (training mode) and can be reprogrammed at any time (see steps 2 to 4 in the section *Programming*).



Note: As a security precaution we recommend that you erase the programming in the HomeLink system before selling your vehicle.

Technical Information for OEM Service

Diagnostics

If, after carefully reading and following the above instructions, you still cannot successfully train your HomeLink to your original remote control, assistance is available via our **toll-free Customer Service Hotline 008000 466 35465**. Before you call, please make sure that you have the following HomeLink *Diagnostic Information* available for reference. The Hotline operators will need this information to assist you with any difficulties you may have.

Procedure for obtaining diagnostic information directly from your HomeLink :

(Note that these steps, carefully followed, will not erase your programmed HomeLink channels).

1. To determine the *Software Revision* of your HomeLink **press and continue to hold button I or III, (but NOT both!) for about 50 seconds**, at which point the diode will stop flashing and turn completely off. **Continue to press the button**. A few seconds later, the diode will start flashing again. The number of flashes is equivalent to the software version of your HomeLink system.

For example, four flashes would mean *Revision 4.0*.

2. To determine the *Region Code* status of your HomeLink, **press and continue to hold button II for about 50 seconds**, until the diode extinguishes and remains off. **Continue to hold button number 2**. A few seconds later, the diode will start flashing again. The number of flashes will indicate the *Region* that your HomeLink system has been factory programmed to operate in. For example:

One Flash	=	Rest of Europe
Two Flashes	=	France
Three Flashes	=	U.K.
Four Flashes	=	Italy

3. Additionally, the Hotline will request from you the following information about your vehicle and the original transmitter you are trying to program:
 - A. Make and model of your vehicle, including year of manufacture and country of purchase;
 - B. Original remote control brand, model, age and operating frequency, if known.

The *Software Revision* and *Region Code* status are especially important for solving training issues. Please take a moment to gather the information outlined in the above three steps *before* you call the Hotline.