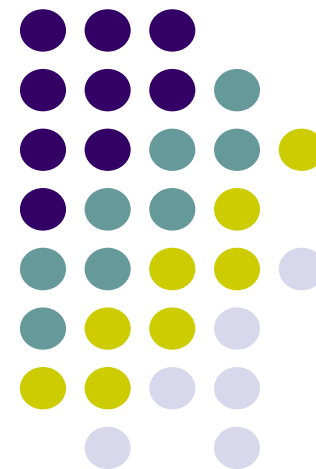


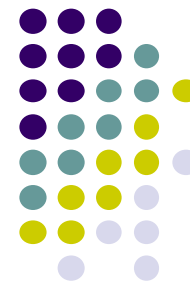
BMW PIP User manual

子母畫面介面說明書

3/5/6 系列 X5, X6



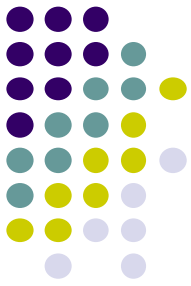
INDEX



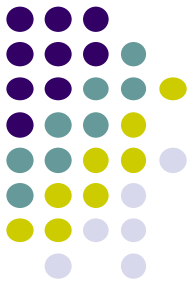
-.	Precaution	P 3
-.	Updated points on this version.....	P 4
-.	Main Spec.....	P 5
-.	System Composition.....	P 6
-.	Outline Dimension	P7
-.	External Appearance.....	P8
-.	Connector Pin Assignment	P10
-.	DIP Switch Setting	P12
-.	How to use Remote.....	P14
-.	OSD (On Screen Display)	P15
-.	How to use parking guide line	P19
-.	CAN Wiring & Steering wheel button.....	P21
-.	Product Composition	P22
-.	Installation manual	P23
-.	FAQ	P24

Precaution

- **You must keep the car key taken off from the car while you work this and finally, connect power of the interface.**
- **When to connect the interface cable, you must keep the power cable taken off.**
- **You must work this at the environment without any static electricity or damages.**
- **All of process on this installation should be done by professionals.**
- **You must not break the labels attached on the board, if it's broken, no warranty.**
- **When you receive this package you have to check whether there's any parts not included and you have to contact us right away.**
- **Our repair service do not accept any problems caused by user's any fault or carelessness.**



Main features



- PIP (picture in picture) Function (**Only available in 8.8" model**)
- Higher Quality
- Controlling PIP function, switching AV source by steering wheel buttons.
- Easier operation with new remote control.
- Upgraded OSD Menu
- Displaying External AV sources through composite, RGB
- Controlling AV sources (DVD, Navi) by I-DRV – **Optional**



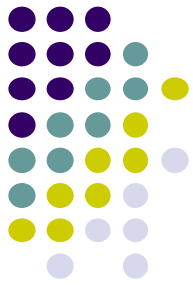
[PDP – Rear Camera]



[PIP – A/V Mode]

*** FM Transmitter is not offered from this version!!!**

Main Spec.



1. Input Spec. (MULTI VIDEO INTERFACE)

- 1 x Analog R,G,B (Sync on Green)
- 1 x CVBS(REAR CAMERA) Input. (Rear camera source)
- 3 x A/V (NTST & PAL) Input.
- 1 x LCD Input (Car system Input)

2. Output Spec.

- 2 X CVBS OUTPUT (Video Out for installing Headrest monitor)
- 1 x Audio OUTPUT
- 1 X LCD OUTPUT(LCD Operation)
- 4 X Audio Select Output

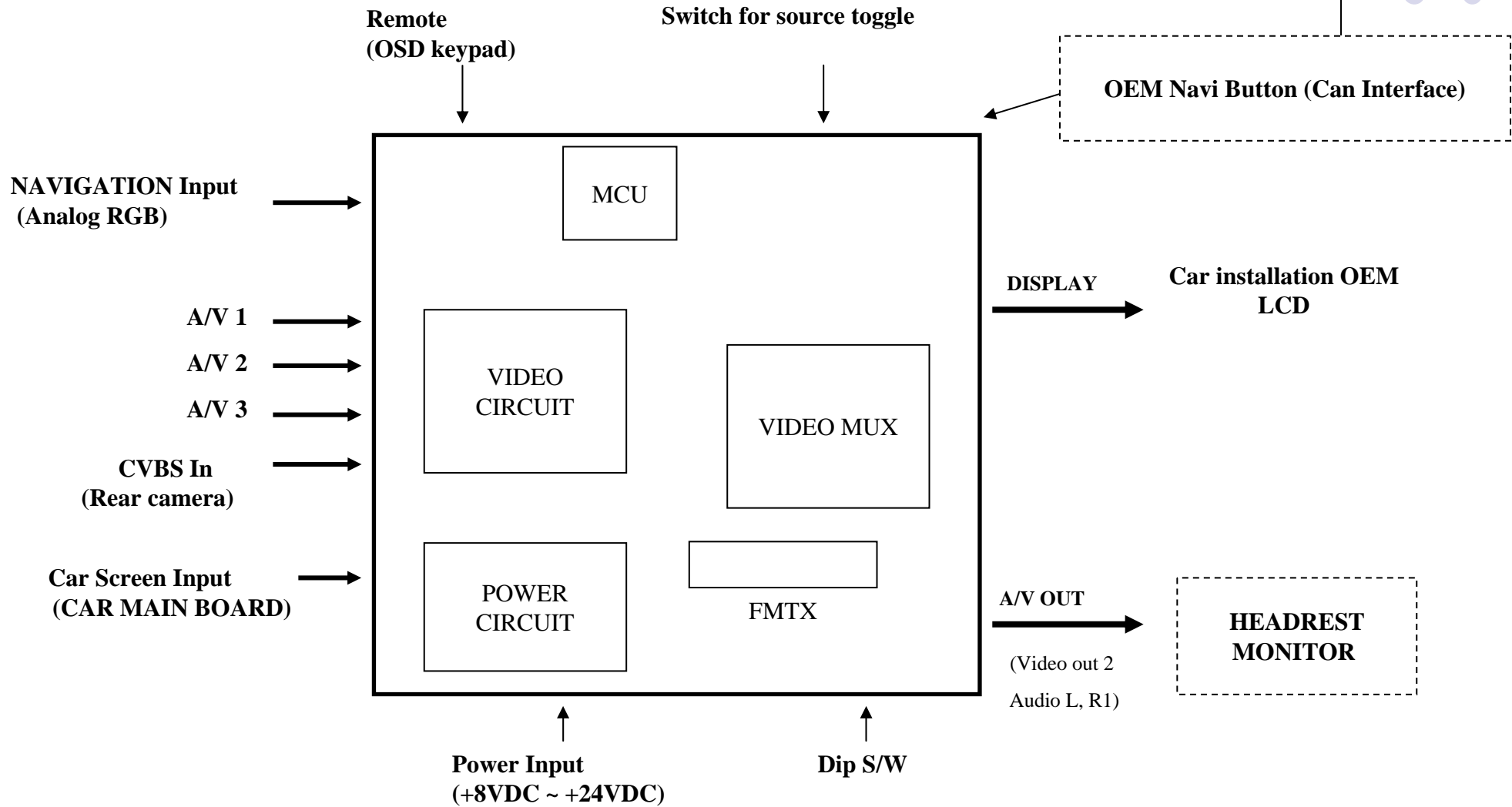
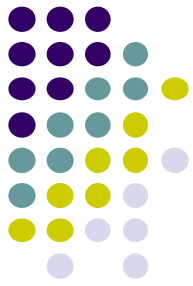
3. Electric Power Consumption

- Input Power : 8VDC ~ 24VDC
- Consumption Power : 12WATT, Max

4. Switching Mode (AV source)

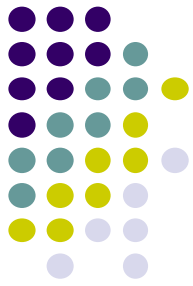
- Possible to skip AV source while switching Mode (AV source) by DIP S/W
(Refer to the DIP S/W page)
- By Remote control
- By Toggle Switch (Option)
- By button on the steering wheel in the car via CAN

System Composition



Outline Dimension

154mm * 94mm * 20mm



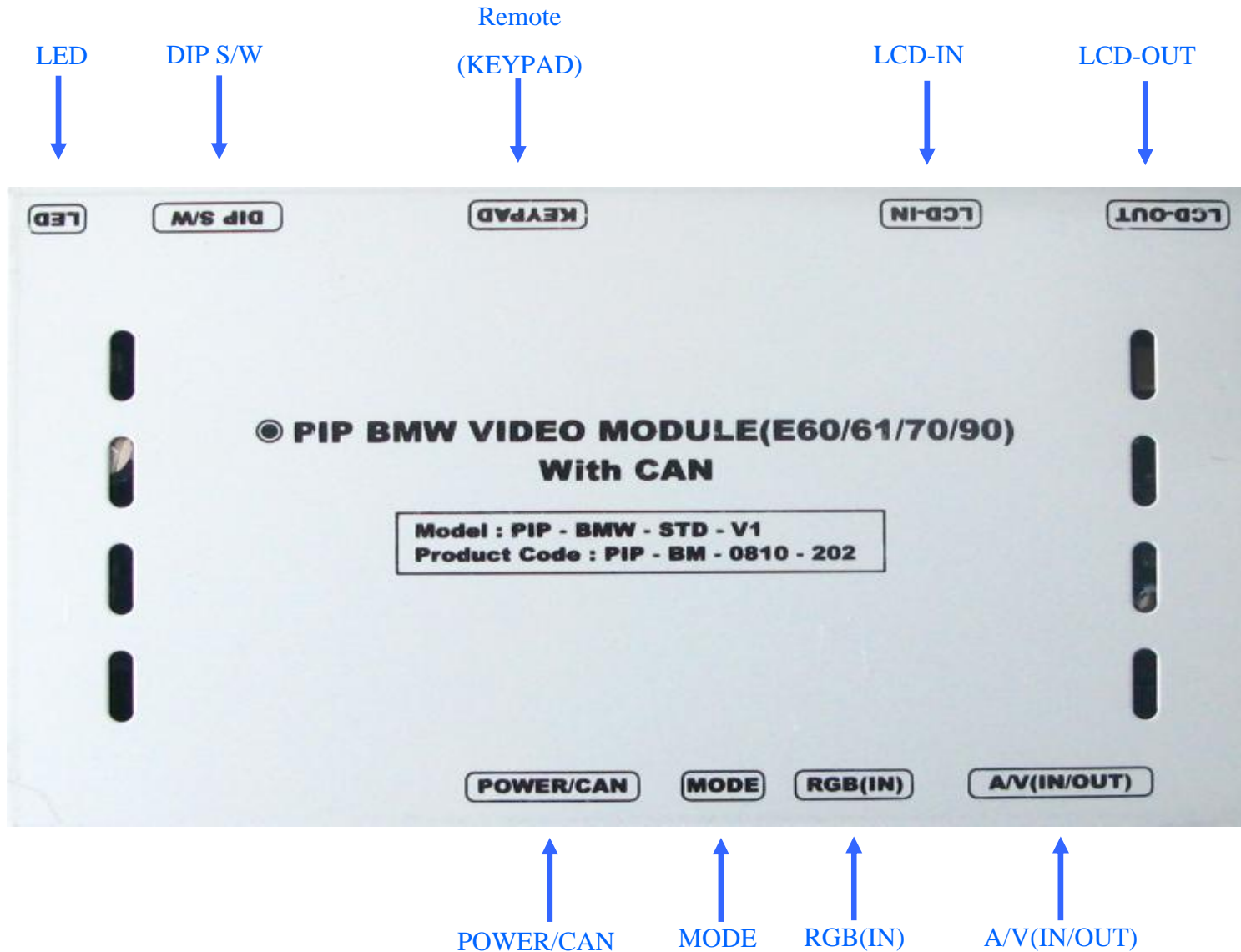
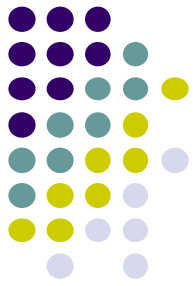
154mm

94mm

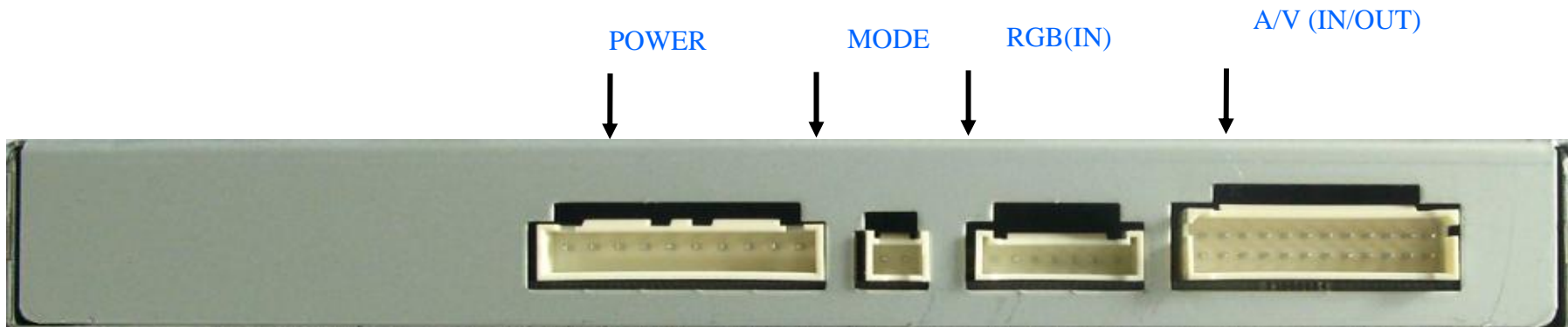
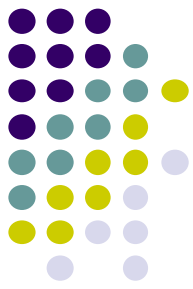
20mm



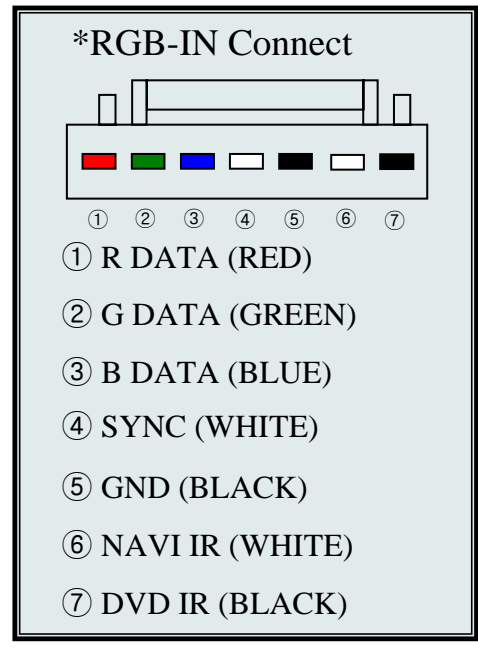
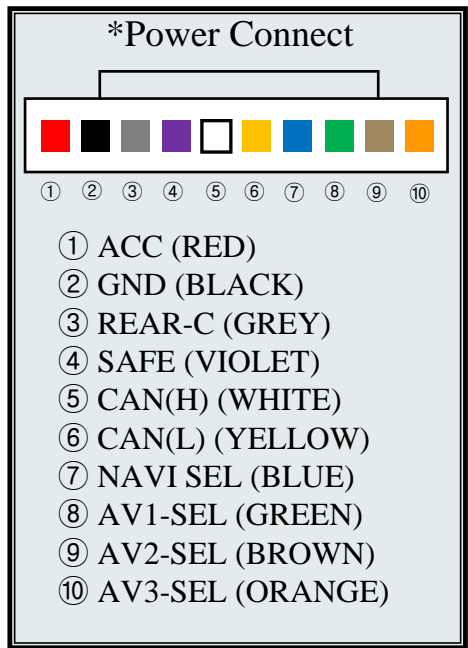
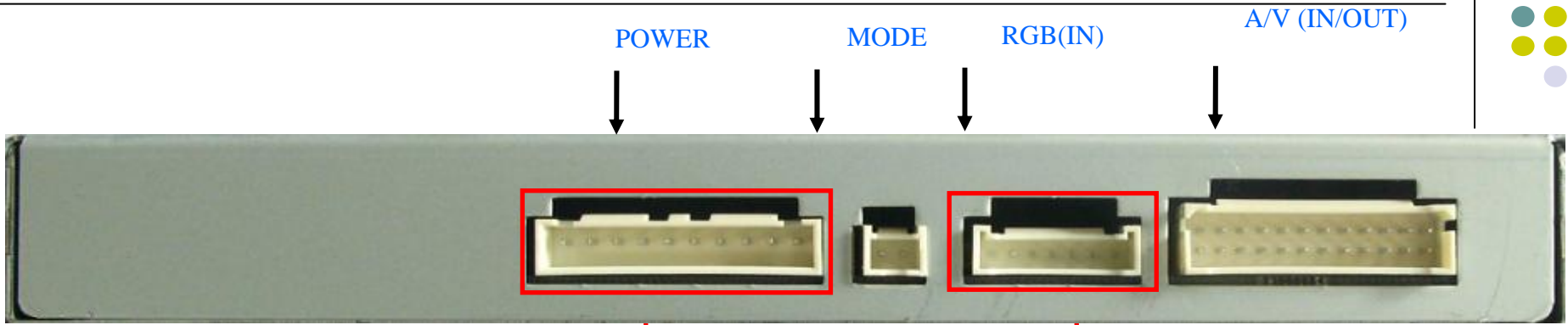
External Appearance



External Appearance

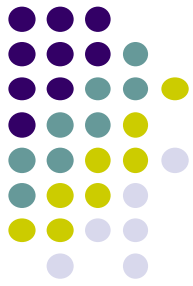


Connector Pin Assignment



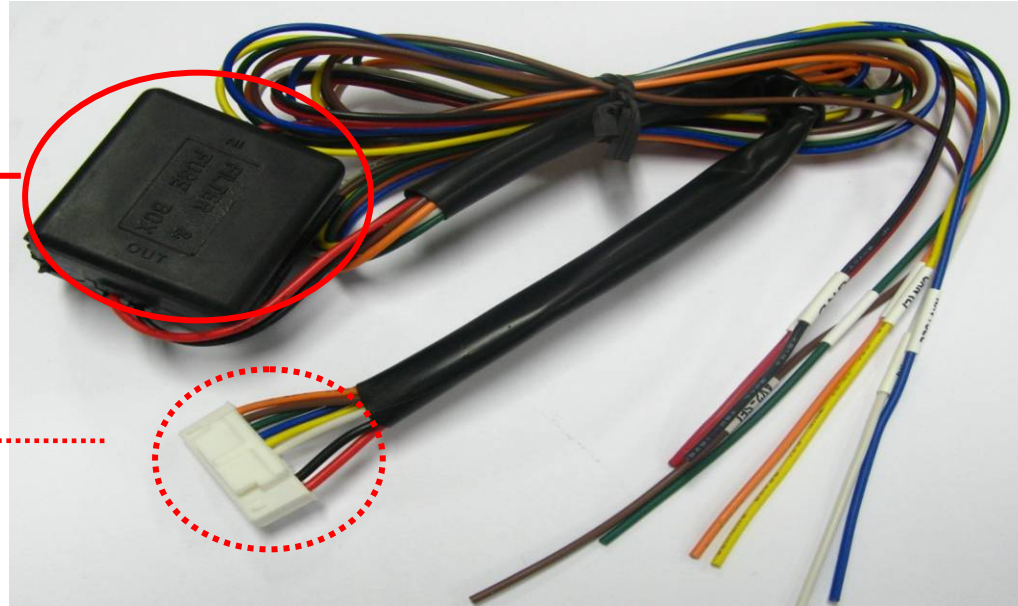
***12V Select**
 (Wire no.7~10 of the Power cable)
Ex) When RGB is selected
 12V comes out from wire no. 7

Connector Pin Assignment



* Power Cable

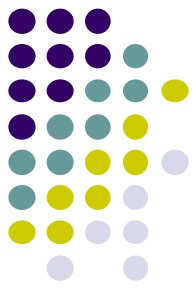
**FILTER
& FUSE BOX**



GND
ACC
REAR-C
SAFE
CAN(H)
CAN(L)
NAVI Sel
AV1-Sel
AV2-Sel
AV3-Sel

1m

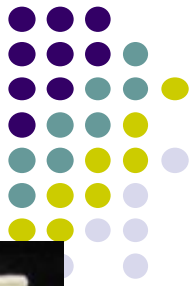
DIP SW Setting



※ ON : DOWN, OFF : UP

#PIN	FUNCTION	DIP S/W Selection
1	RGB INPUT MUTE	ON : Skipping RGB Mode OFF : RGB Display
2	A/V 1 MUTE	ON : Skipping A/V 1 OFF : A/V1 Display
3	A/V 2 MUTE	ON : Skipping A/V 2 OFF : A/V2 Display
4	A/V 3 MUTE	ON : Skipping A/V 3 OFF : A/V3 Display
5	To select monitor size	ON : 6.5" LCD Setting (Possible to use BMW 1 series) OFF : 8.8" LCD Setting
6	Type of monitor	ON : Siemens setting (only when to turn on the 5 th pin) OFF : Alpine setting (only when to turn on the 5 th pin) ON : 2009model's 3series(only when to turn off the 5 th pin) OFF : 8.8" Setting
7	Rear Mode	ON : External Rear Camera OFF : OEM Rear Camera
8		N.C

DIP SW Setting



#PIN / 모니터 지원방식	5	6
E60 8.8"	OFF	OFF
E60 Alpine 6.5"	ON	OFF
E60 Siemens 6.5"	ON	ON
New 3 Series in 2009	OFF	ON

※DIP S/W Use Example

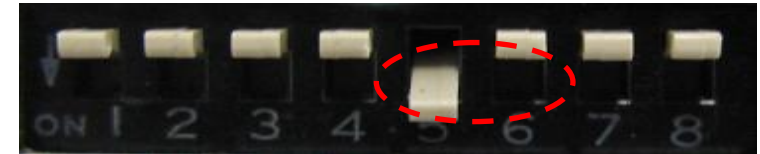
[BMW E60-6.5" Alpine]

- Use Input Mode : A/V3(DVD), Navigation (RGB)
- Rear Camera : When to be installed on CVBS 4

- ▷ DIP S/W : 1 → OFF
- ▷ DIP S/W : 2,3 → ON
(INPUT MODE SKIP)
- ▷ DIP S/W : 4 → OFF (enable A/V3)
- ▷ DIP S/W : 5 → ON (6.5" Alpine)
- ▷ DIP S/W : 6 → OFF
- ▷ DIP S/W : 7 → ON (enable CVBS4)
- ▷ DIP S/W : 8 → OFF



[E60 8.8"]



[E60 Alpine 6.5"]

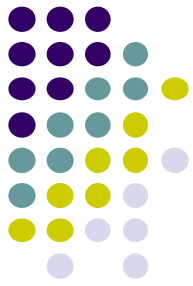


[E60 Siemens 6.5"]



[2009년형 3시리즈]

How to use Remote



Dimension : 85 * 40 * 8 (mm)



POWER : Interface operation

PIP : Short press – Activating PIP (Picture in Picture)
Long press – Switching AV source

MENU : Activating OSD Menu

OK : Select

▲ : UP

▼ : DOWN

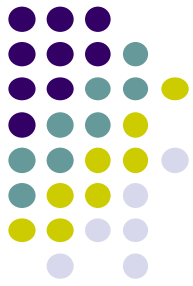
◀ : LEFT

▶ : RIGHT

***FACTORY MODE (Interface setting)**

: Operated with pressing ▲ -> ▼ -> ▲ ->MENU
buttons of the remote in sequence

-OSD(On Screen Display)



• Analog RGB Mode

• Video Mode

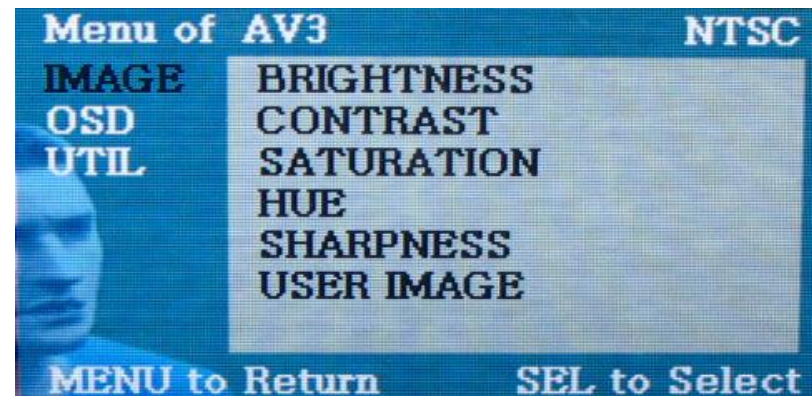
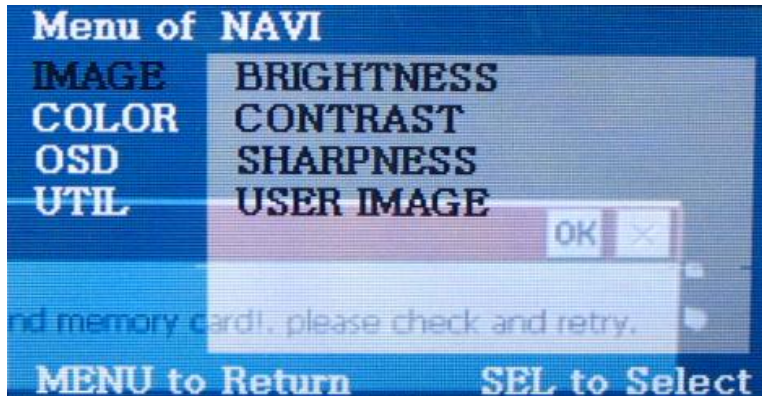
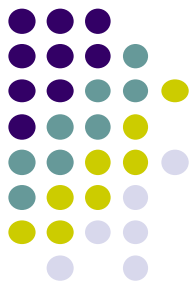


IMAGE Menu

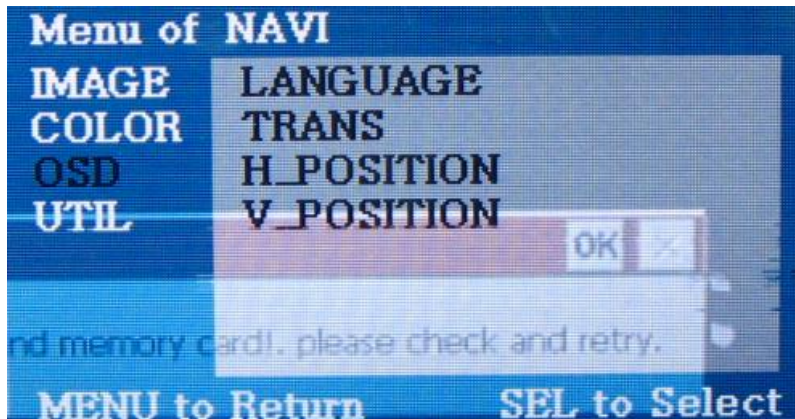
- BRIGHTNESS
- CONTRAST
- SHARPNESS
- SATURATION
- HUE
- USER IMAGE

OSD(On Screen Display)



• Analog RGB Mode

• Video Mode



OSD Menu

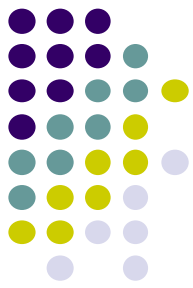
-LANGUAGE : (Only available for English)

-TRANSPARENT

-H_POSITION : Move the position of AV sources to Left, Right

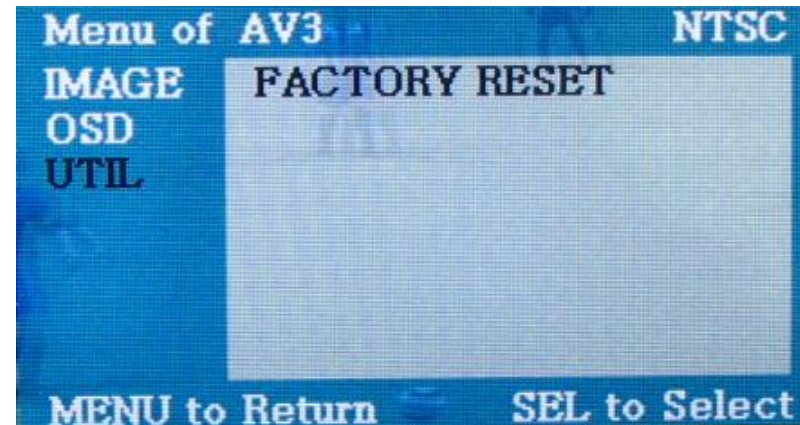
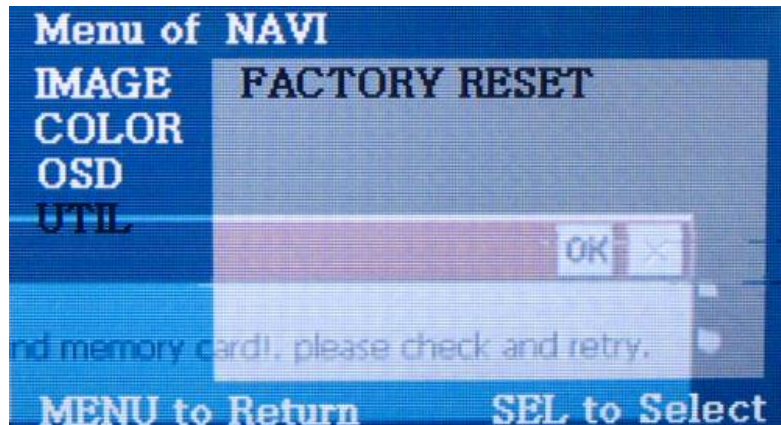
-V_POSITION : Move the position of AV sources to Up, Down

OSD(On Screen Display)



• Analog RGB Mode

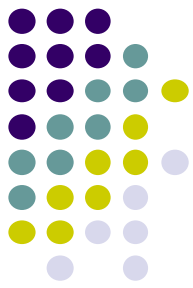
• Video Mode



UTIL Menu

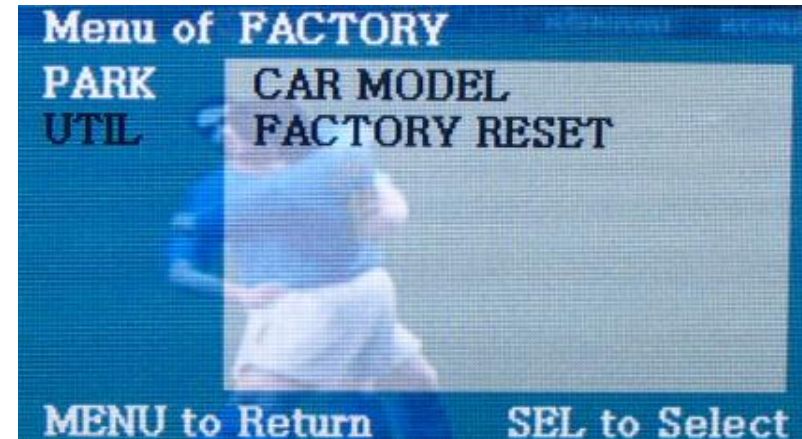
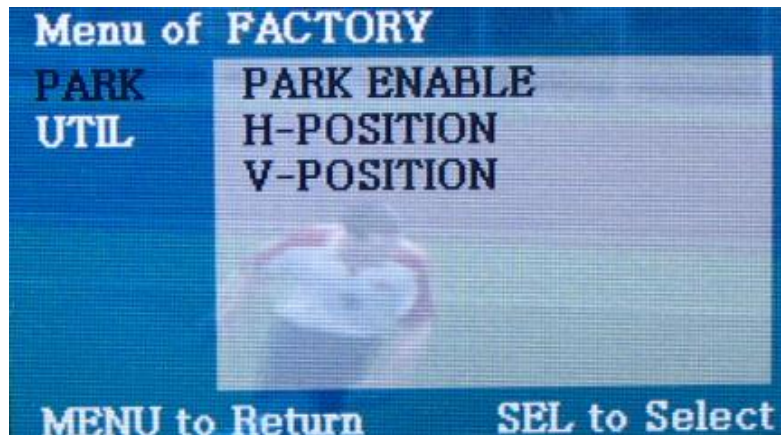
- FACTORY RESET : Initializing of all values of OSD setting
(Impossible to reset of screen position, only possible for functions in OSD)

OSD(On Screen Display)



• Factory Mode

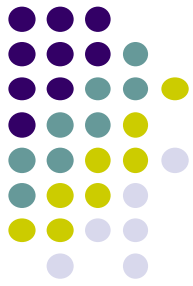
- Factory mode is activated by pressing ▲ → ▼ → ▲ → MENU buttons of the remote.



Factory Mode

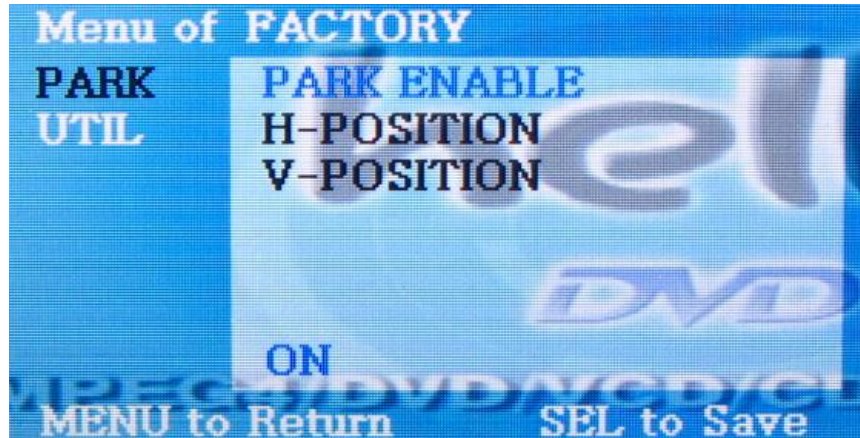
- **PARK** – PARK ENABLE
 - H-POSITION
 - V-POSITION
- **UTIL** – CAR MODEL : Selection of using this interface for E60, E70.
 - FACTORY RESET : Initializing

How to use parking guide line



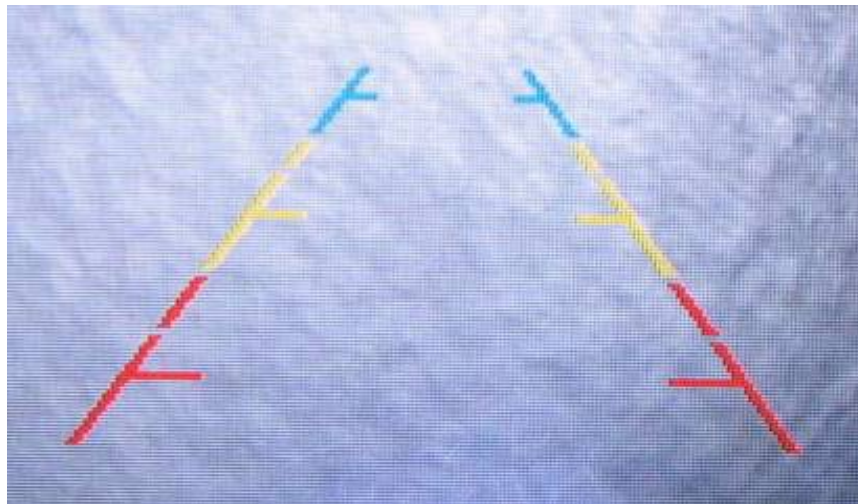
Factory Default : DISPLAY - DISABLE

①



- ① When the car gear is in reverse, Enter to the Factory mode by ▲ → ▼ → ▲ → MENU button of remote. Then, the left image will be displayed on the screen.

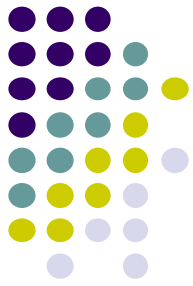
②



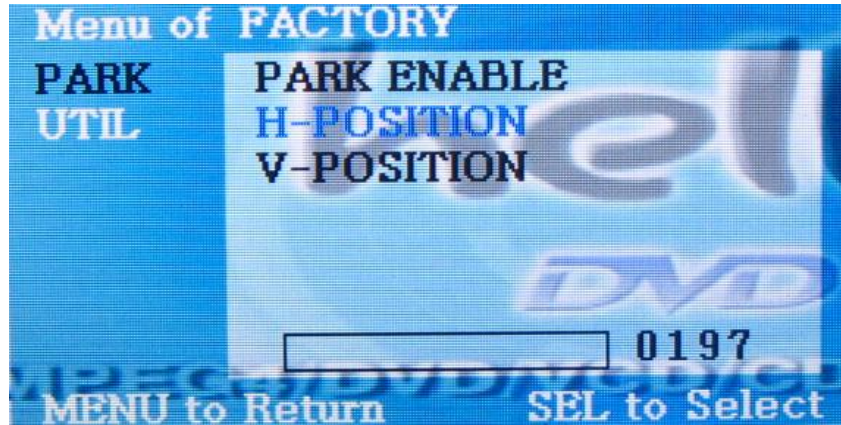
- ② Set “PARK ENABLE” to “ON” on the park mode, then the line will be displayed like the pic no. 2

*** If you would like to remove this line, just select “Off” on the above process.**

How to use parking guide line

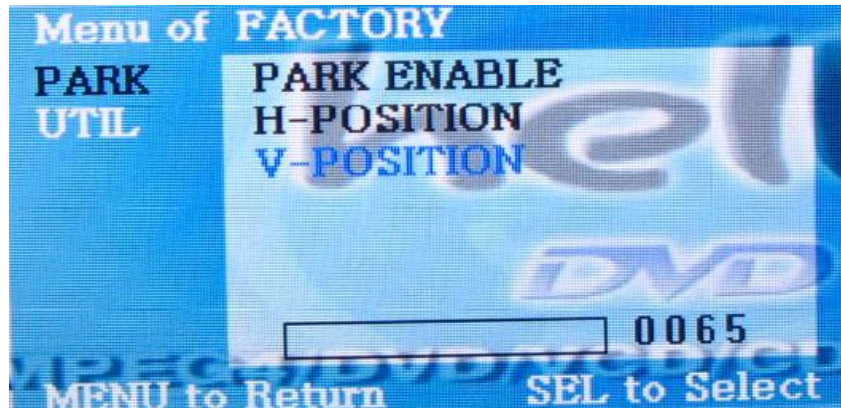


③



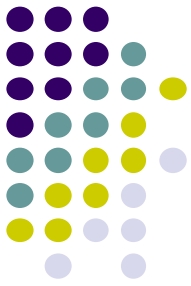
③ Can move the line with H-Position on the factory mode.

④



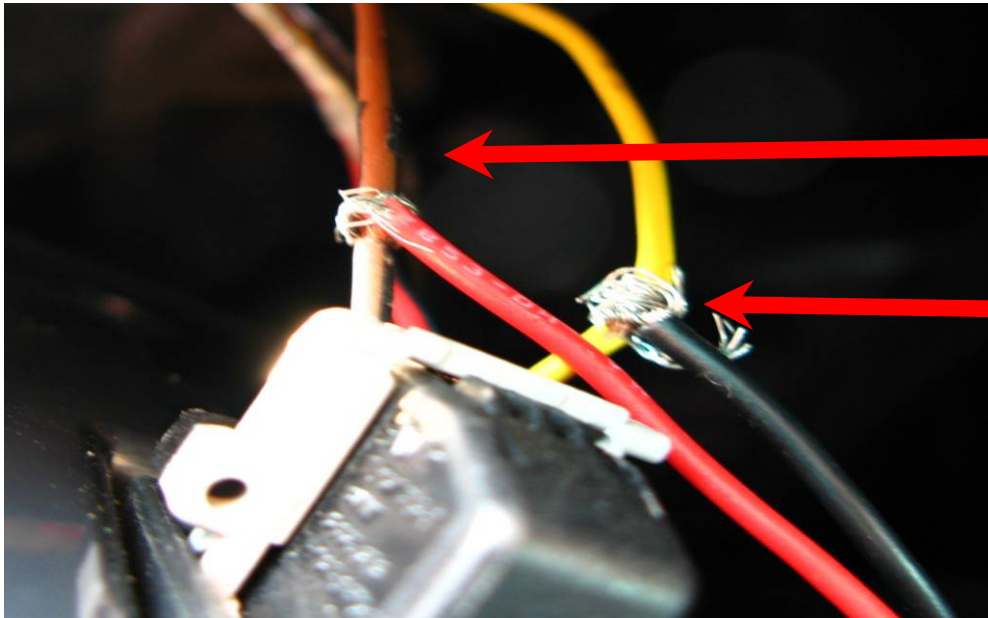
④ Can move the line with V-Position on the factory mode.

CAN Wiring & Steering wheel button



☆ : PIP Mode

↓ : Switching AV source with long press

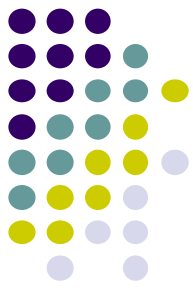


**Orange+Black:
CAN HIGH**

**Yellow:
CAN LOW**

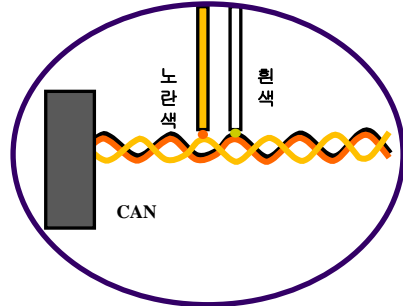
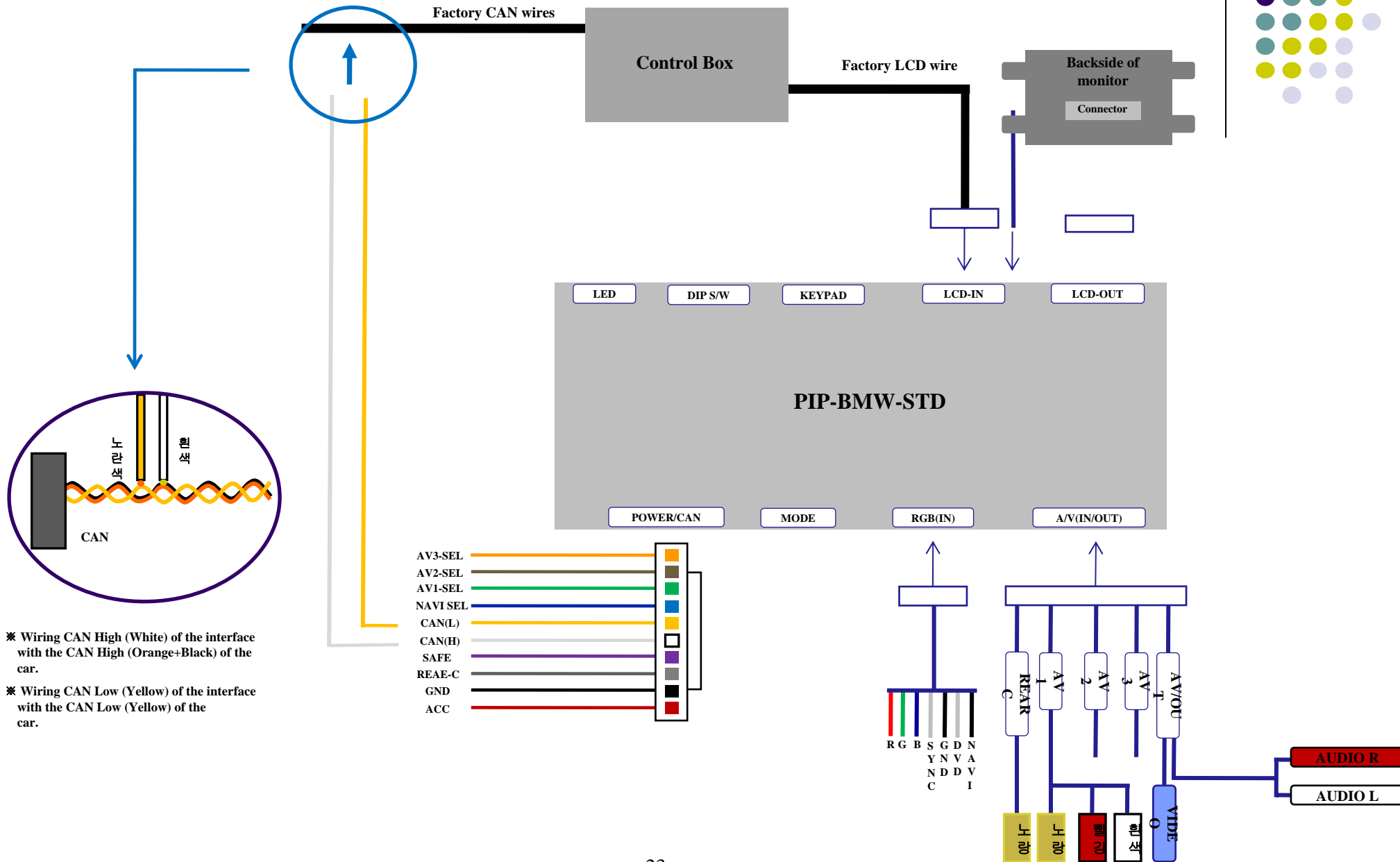
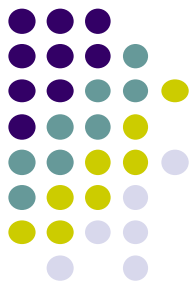
*** The colors of wires could be
Different by car models.**

Product Composition



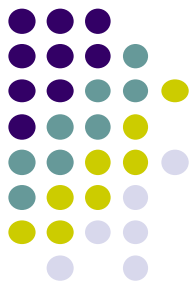
Remote : 1 EA Ground Cable : 1 EA
LCD (F-TYPE) Cable : 1 EA Power Cable : 1 EA Navi Cable : 1 EA
Toggle Switch : 1 EA (Optional) A/V Cable : 1 EA

Installation manual



- ※ Wiring CAN High (White) of the interface with the CAN High (Orange+Black) of the car.
- ※ Wiring CAN Low (Yellow) of the interface with the CAN Low (Yellow) of the car.

-FAQ



1. When can not change mode.

- **Check if the IR Cable (Remote) is connected or not.**
- **Check if LED is turned on or not. If it is not turned on, Check if power cable is connected or not.**
- **Check if CAN is connected well.**

2. When the screen is displaying only black color.

- **Check if 2nd LED is turned on or not. If it is not turned on, please check all video sources that you will connect with the interface is operating well or not.**
- **Check if interface is connected well.**

3. When displayed color of screen is not proper. (If it's too dark or the color is not proper)

- **Try to push "Reset button" on the remote control. If the color of screen keeps on displaying wrong color, you have to ask manufacturer for the problem.**
- **Try to adjust Color, Contrast, Brightness by the remote.**

4. When Back-up camera is not displayed on the screen.

- **Turn Dip S/W no.7 on.**

5. When the mode you set is not skip.

- **Check if Dip S/W is set in proper way.**

6. When Main screen on the car is not displayed.

- **Check if In/Out cables are connected well. If it keeps showing the same problem, you have to ask manufacturer for the problem.**

7. When the screen is displaying only white color.

- **Check if out cable is connected well. If it keeps showing the same problem, you have to ask manufacturer for the problem.**

I-DRV type Selection.

Update Date : 10th.Dec.2008



* You can select I-DRV type by Factory Menu of OSD. In the Factory menu, please select **UTIL → I_DRIVE Menu**. Then, you can choose I-DRV type to OLD I-DRV or NEW I-DRV considering your car.



Normally, 328i, 335i 2009 year models are applicable to OLD I-DRV, 5 series 2009 is to NEW I-DRV.