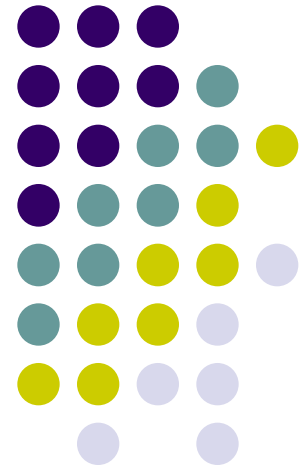


Car Video Interface Instruction Manual (For Porsche Panamera PCM 3.1)

Last Updated Date : 22nd.July.2010



-Precaution



- Be sure to start installation with ignition key pulled out from the car and interface power should be connected after all work done.
- All supplied cables have to be connected before connecting interface power cable.
- All work has to be done in a place no electronic devices and magnetic damages around the installation place.
- All installation process shall be done by professionals well trained.
- Warranty seal attached on the interface board shall not be broken without any permission of manufacturer, If broken, no warranty acceptable.
- When receiving this product, make sure all parts are in the box, if any parts missing, kindly contact our sales staff in charge of.
- According to our warranty policy, any problems caused by use's carelessness, mistakes are not acceptable.

-Spec.



1. Input Spec. (MULTI VIDEO INTERFACE)

- 3 x A/V Input (External video source).
- 1 x CVBS(REAR CAMERA) Input. (Rear camera source)
- 1 x Analog RGB Input (Navigation System output)
- 1 x LCD Input (Car system Input)
- 1 x Cayenne Input

2. Output Spec.

- 1 x Cayenne Output
- 4 x Audio Select (12V power comes out from 4wires of cable by video, Navi mode)

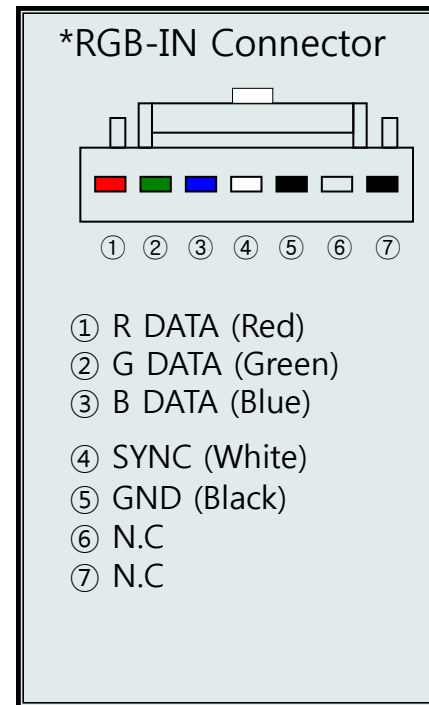
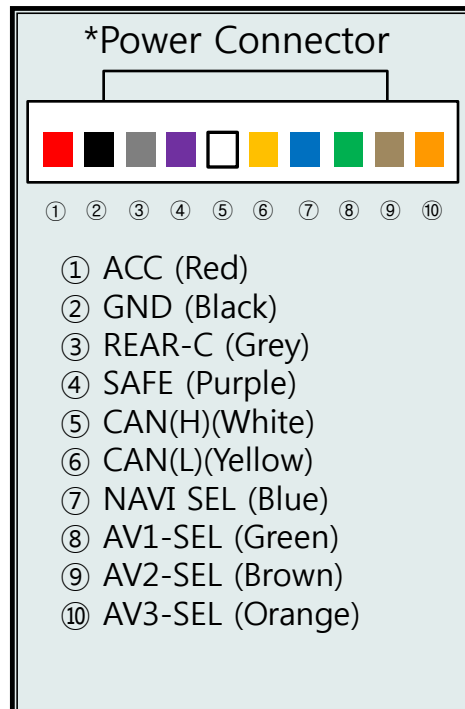
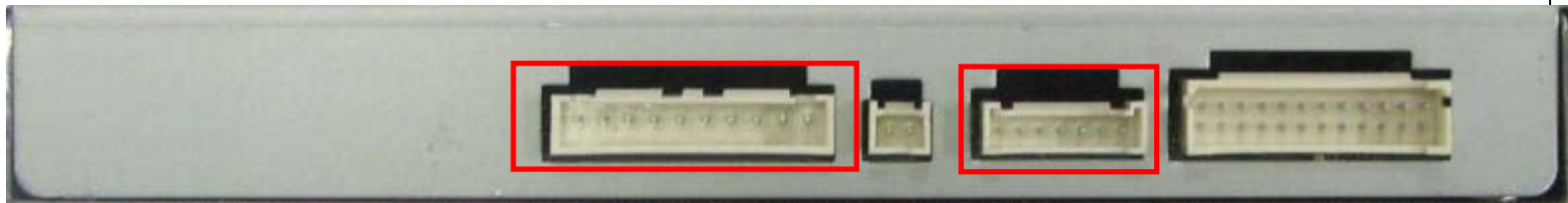
3. Power Spec.

- Input Power : 10VDC ~ 18VDC
- Consumption Power : 5WATT in Max

4. Switch Input mode

- Input Video MUTE Function : Possible to make each input mute by operating Dip S/W.
- Possible to switch Input mode **by a Keypad**
- Possible to switch Input mode **by a toggle button**
- **Possible to switch Input mode by an original button (NAV)**

-Interface connector Pin out

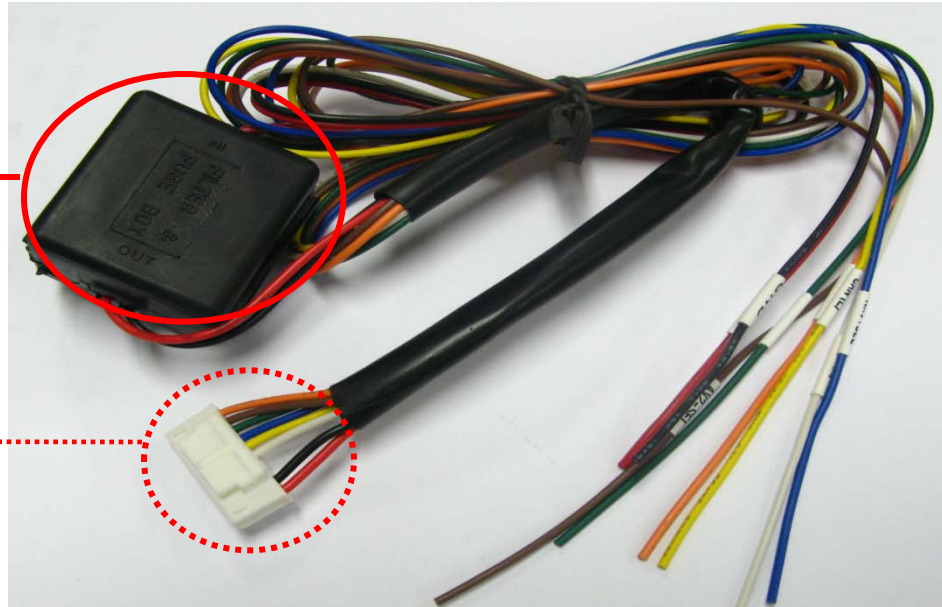


- Power Cable Pin Out



* Power Cable

FILTER
& FUSE BOX



1m

-DIP SWITCH



※ ON : DOWN, OFF : UP ; Default : all OFF

#PIN	FUNCTION	DIP S/W Selection
1	RGB INPUT MUTE	ON : RGB Mode Skip OFF : RGB Display
2	A/V 1 MUTE	ON : A/V 1 Skip OFF : A/V1 Display
3	A/V 2 MUTE	ON : A/V 2 Skip OFF : A/V2 Display
4	A/V 3 MUTE	ON : A/V 3 Skip OFF : A/V3 Display
5		N.C
6		N.C
7	When to choose rear mode (ON : CVBS4, OFF : MAIN)	
8	To select original NAVI	ON : Mode Switching ; OEM-OEM-RGB-AV1~3 (This is for original Navi) OFF : Mode Switching ; OEM-RGB-AV1~3

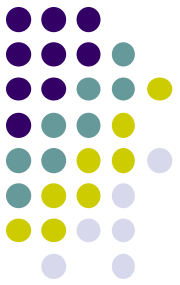
※DIP S/W Use Example

- . Use Input Mode : A/V2, A/V3
- . Use original Navigation

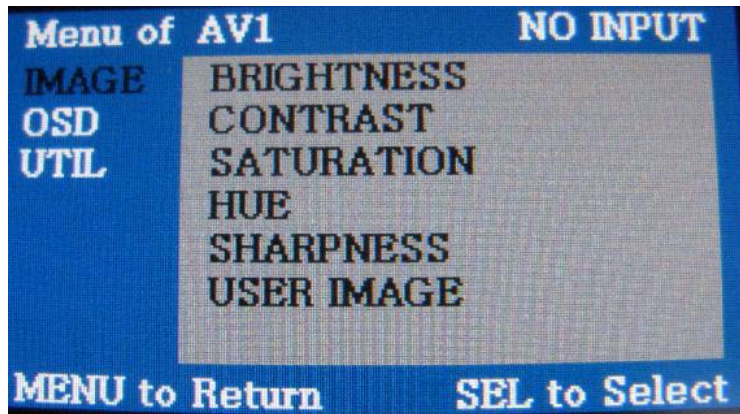
- ▷ DIP S/W : 1,2 -> ON (INPUT MODE SKIP)
- ▷ DIP S/W : 3 -> OFF (enable A/V3)
- ▷ DIP S/W : 4 -> OFF (enable A/V3)
- ▷ DIP S/W : 5,6,7 -> OFF
- ▷ DIP S/W : 8 -> ON



- About OSD Display

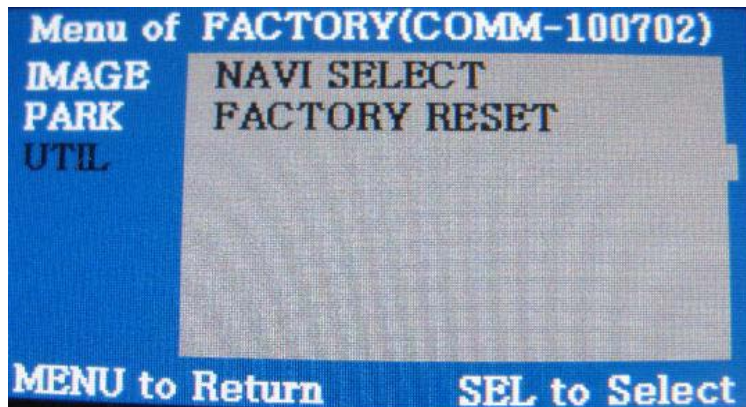


* We provide 2 types of display setting Menu as OSD menu for simple display setting and factory menu for installation and interface setting.



This is simple OSD menu for END USER. User can adjust displayed screen's brightness, contrast etc. (Refer to the next page for more detail functions of this OSD)

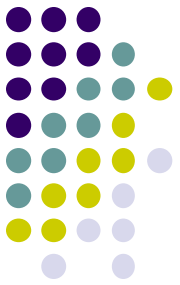
[Type 1. OSD Menu for END USER]



This is Factory Menu OSD for Installer. Installer can set essential things like Car model, displayed AV sources image positioning ect. for installation of interface. Incorrect setting in this menu might bring bad result. (Refer to Factory Menu page for more detail functions of this OSD)

[Type 2. OSD Menu for Installer]

-OSD(On Screen Display)



- Analog RGB Mode

- Video Mode

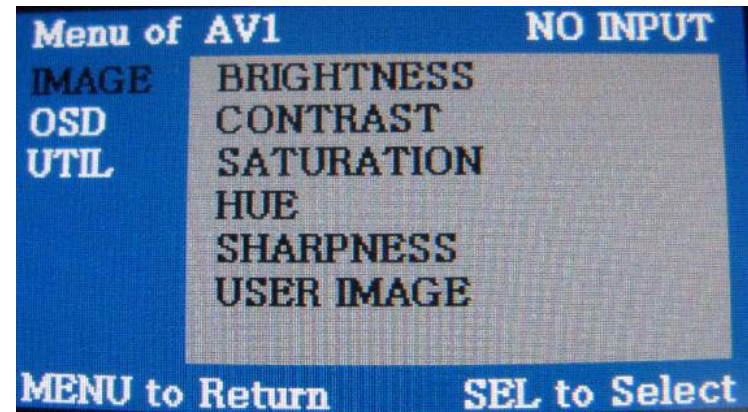
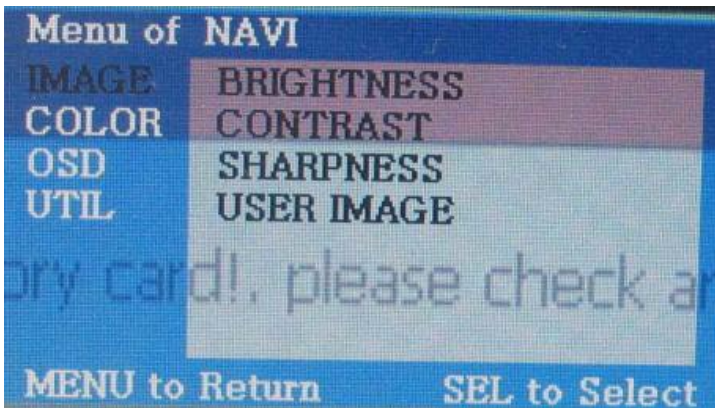
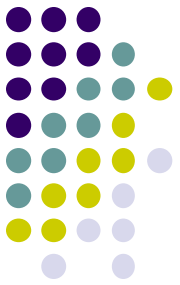


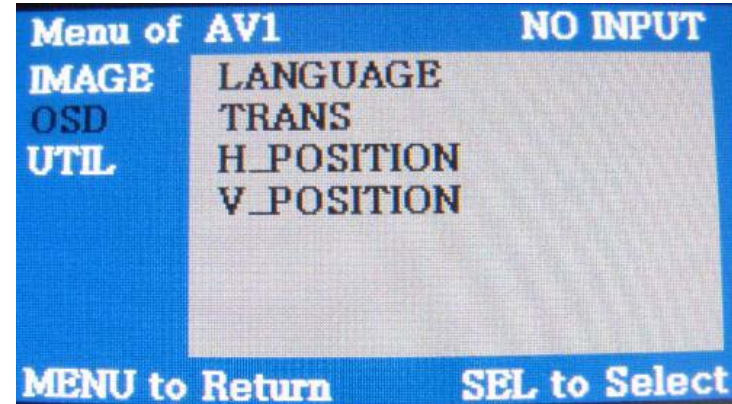
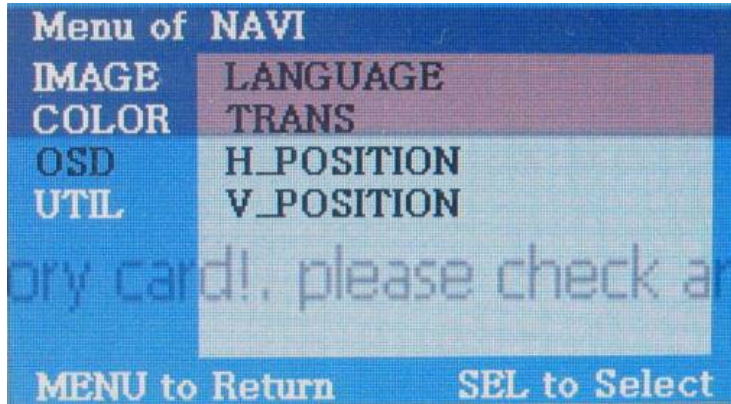
IMAGE Menu

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

OSD(On Screen Display)



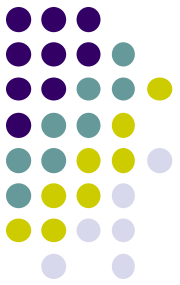
- Analog RGB Mode
- Video Mode



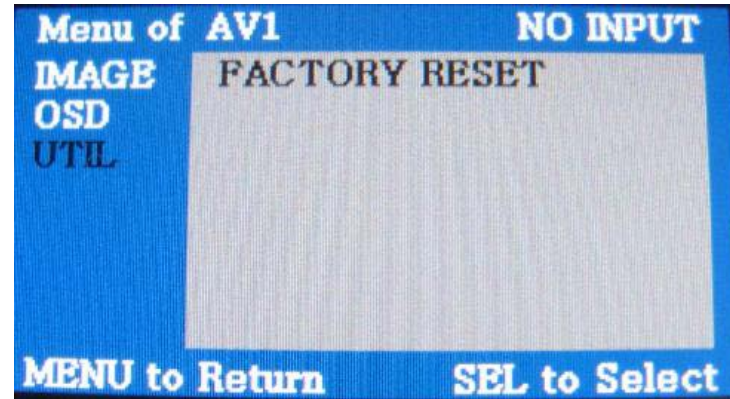
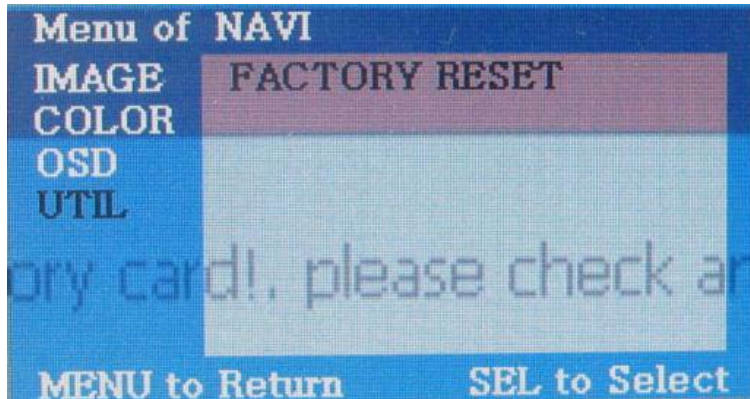
OSD Menu

- LANGUAGE
- OSD TRANS
- OSD H_POS
- OSD V_POS

OSD(On Screen Display)



- Analog RGB Mode
- Video Mode



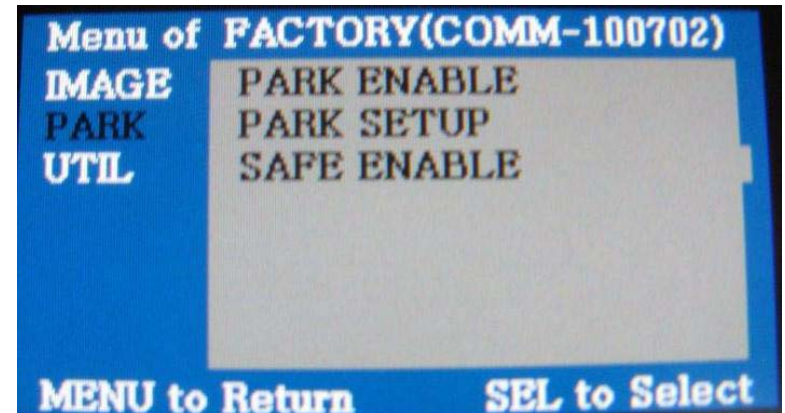
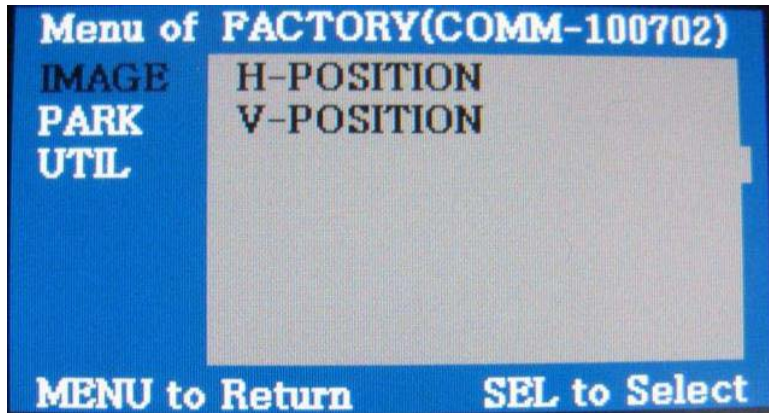
UTIL Menu

- FACTORY RESET

OSD(On Screen Display)



- Factory Menu (How to get?)
 - ① Press 'UP(▲)' button of supplied key pad for 2 sec.
 - ② Press ▲ → ▼ → ▲ →MENU buttons in order.



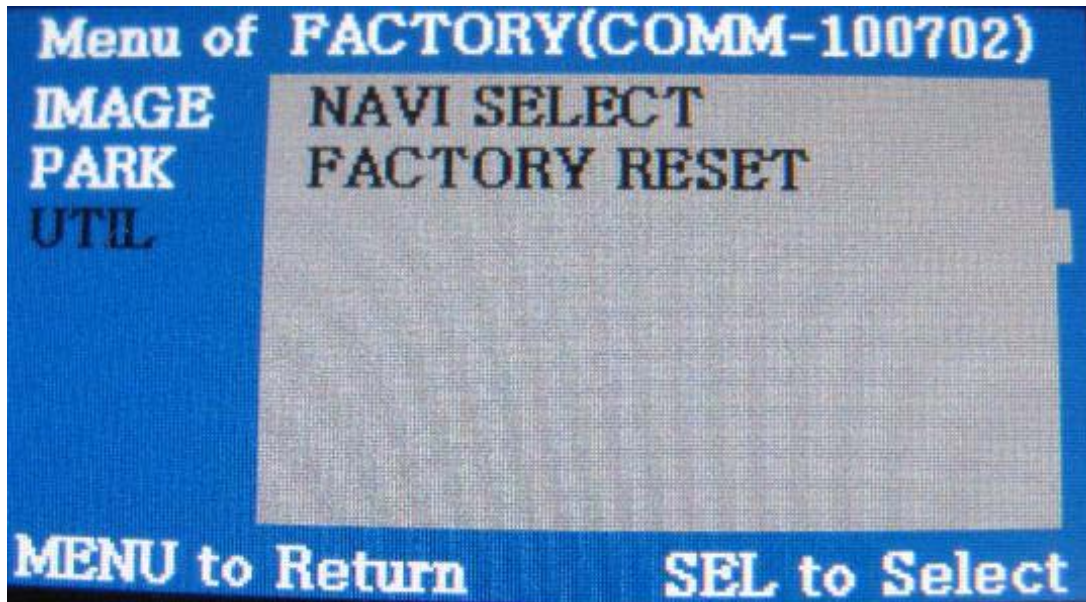
Factory Mode

- **IMAGE** : - H-POSITION : You can adjust displayed Image to Left or Right in each AV source
- V-POSITION : You can adjust displayed Image to Up or Down
- **PARK** : - PARK ENABLE : Parking Guide Line On/Off setting
- PARK SETUP : Parking Guide Line's position setting (can have 4 types)
- SAFE ENABLE : Safe Mode On/Off (Default : Off)
(Safe Mode : Blocking AV sources while driving, Screen only displays OEM Info.)

OSD(On Screen Display)



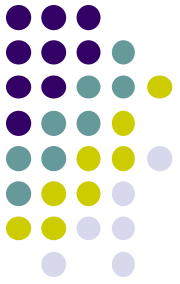
- Factory Menu (How to get?)
 - ① Press 'UP(▲)' button of supplied key pad for 2 sec.
 - ② Press ▲ → ▼ → ▲ →MENU buttons in order.



Factory Mode

- **UTIL** : - NAVI SELECT : Navigation's resolution selection.
(Use this function, only your desired navi is not displayed properly)
- **FACTORY RESET** : All preset setting value reset.

-Accessory

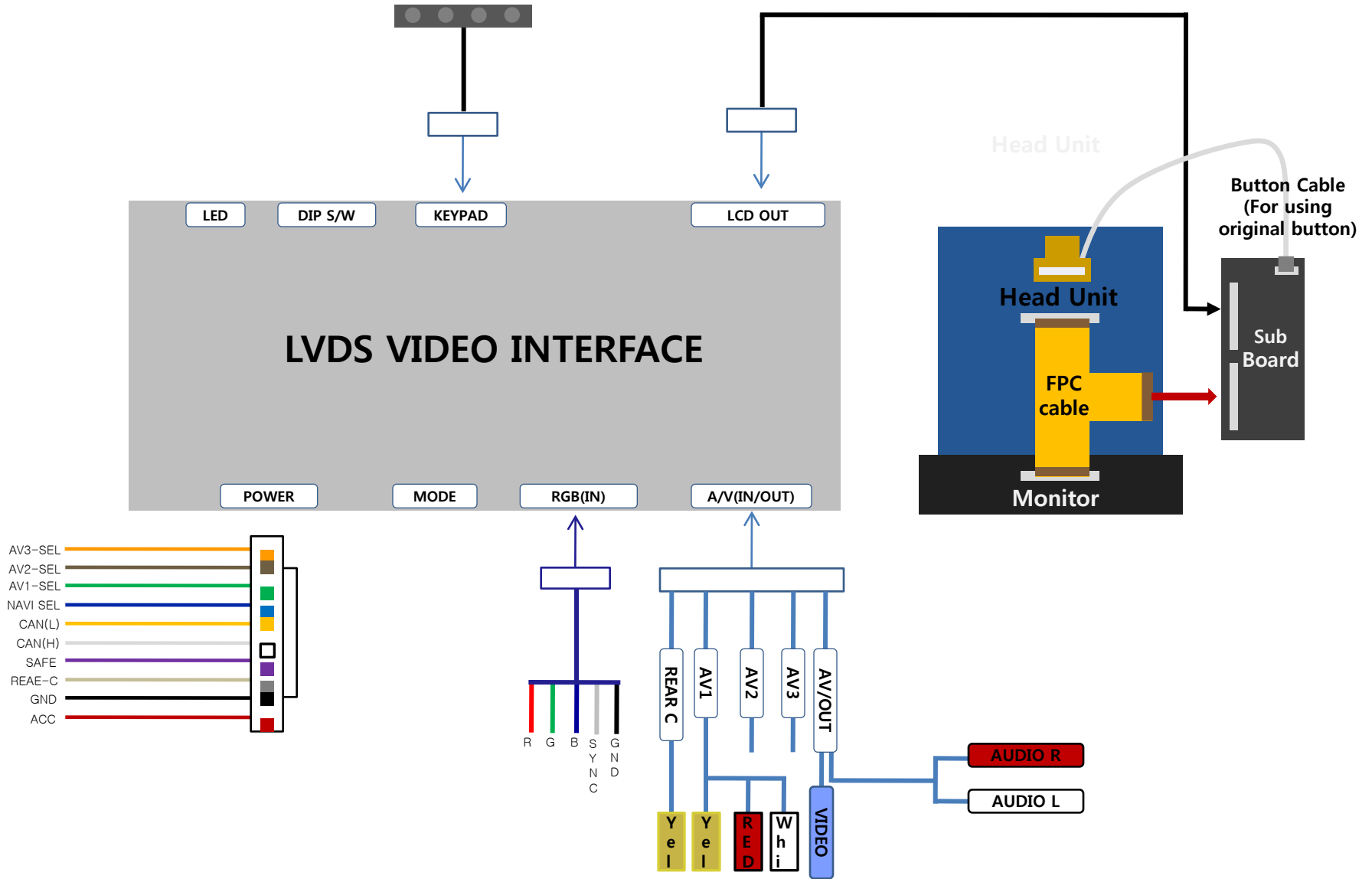


- OSD Keypad or Remote : 1 Ea**
- LCD Cable : 1 Ea**
- RGB (Navi) Cable : 1 Ea**
- Toggle Switch : 1 Ea**
- Button Cable : 1 Ea**



- Power Cable : 1 Ea**
- A/V Cable : 1 Ea**
- Ground or IR Cable : 1 Ea**
- Sub-Board : 1 Ea**
- FPC Cable : 1 Ea**

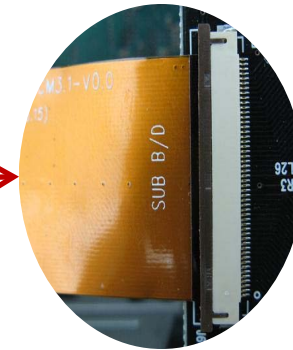
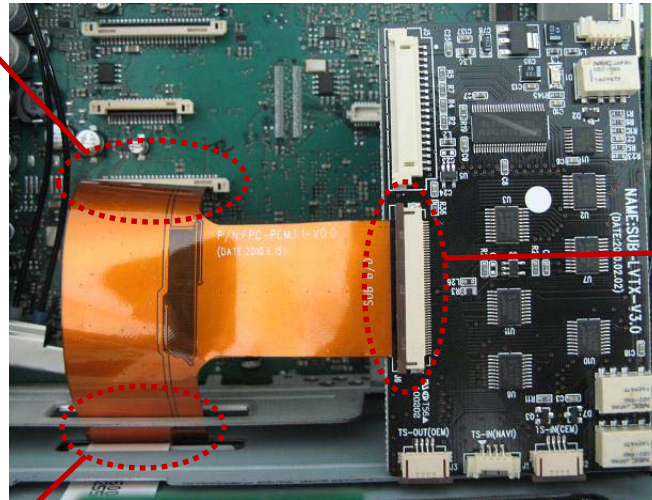
-Installation Diagram



-Installation



1. OEM Factory FPC Cable Removal

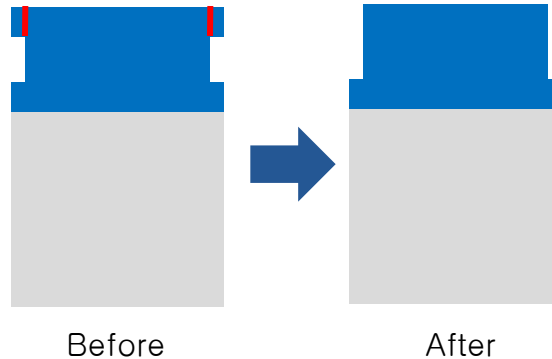
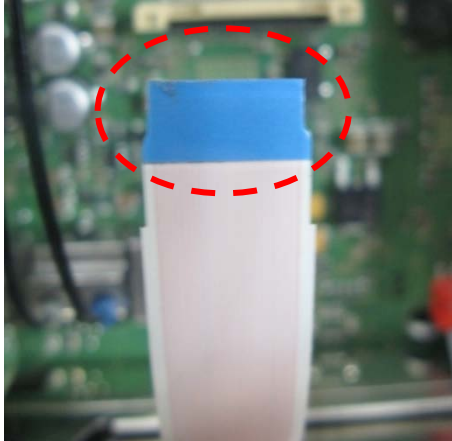


As indicated in pictures, connect T-shaped FPC cable to supplied sub-board, after removing the OEM factory FPC cable. (Be sure not to connect upside down. This can damage the whole unit.)

-Installation

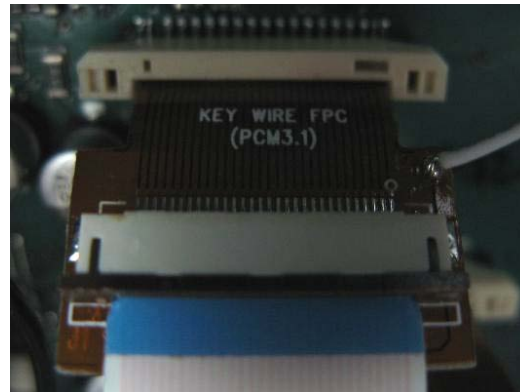
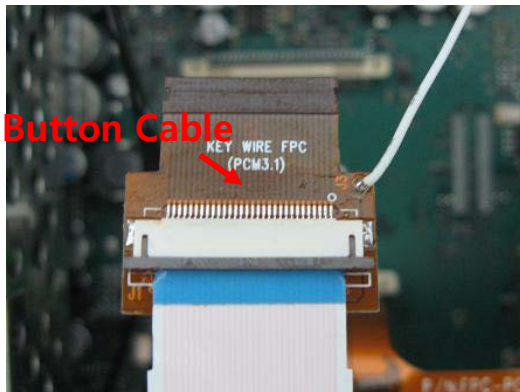


2. OEM Factory FFC Cable Cutting



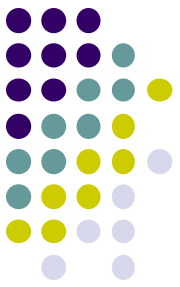
Trim edges of the factory FFC cable which is connected between head unit board and LCD like pictures. (This is to connect to button cable supplied, be sure not to damage PIN on the cable.)

3. Button Cable connecting

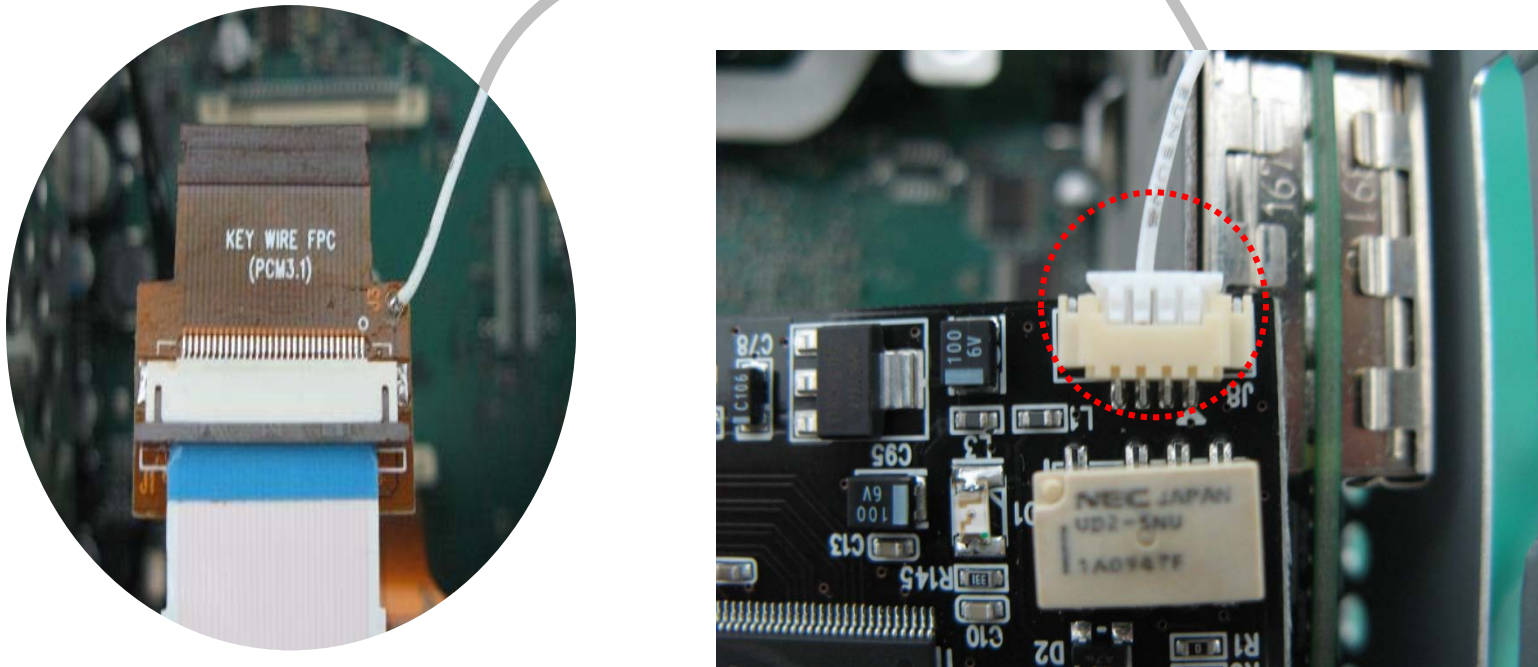


Connect the cut FFC cable in previous step to supplied button cable and connect this button cable to Head unit like pictures.

-Installation



4. Sub-board connecting



As pictures, connect the wire from the button cable to the sub-board.

-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.
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 correctly.
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.

Thank you for choosing our product.