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* Upgraded points

- CAN module added on the board (Possible to change mode with
  Menu button of the car, when to press the Menu button shortly, the
  mode changes to Main screen and for 1~2 sec, the video mode
  changes.)

  Toggle S/W is not offered due to CAN module added (Option)

- Possible to make a remote button of DVD or Navi that User appoints mode
  change button.
  You can save remote values (maximum 3 buttons) of DVD or Navi to the Interface.
  (Refer to Next page to know how to do.)

- Audio Select function is added.

- Possible to save OSD setting value by each video mode.

The use of remote key scanning
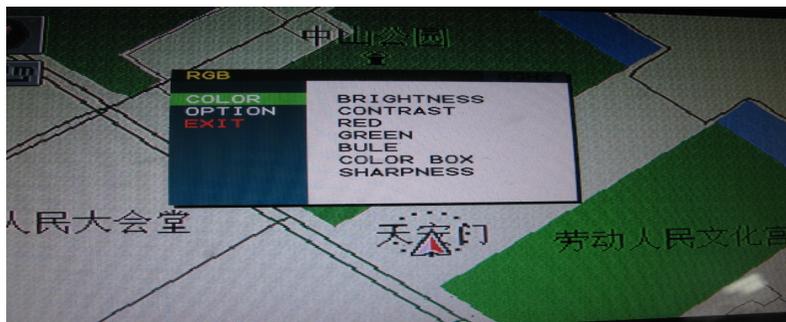
① When to press Menu button of remote offered, Menu is displayed on the screen like picture No.1. and press 4291 buttons sequently then, it changes to IR scan mode.
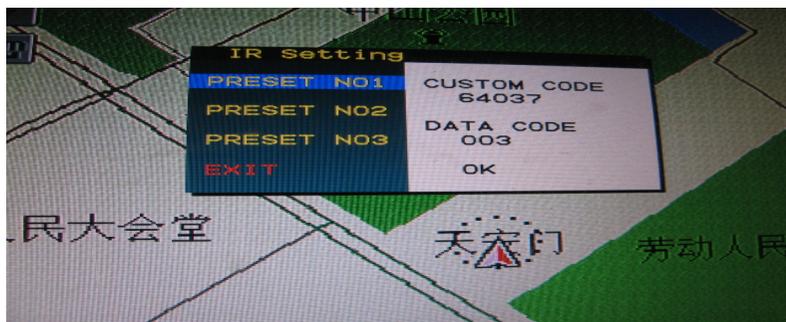
② When IR Setting mode is displayed like picture No.2, choose one of Preset No.1~3 and press ok button on the remote.

③ After step No.2, press one button of Navi or DVD remote, then the screen shows the key value and it's saved. Then, you exit IR setting and you can use it right away.

* This function can be applied to almost all of remotes using NEC format.

Pre-Caution

- 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 Specification

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)

2. Output Spec.
   -. 2 X CVBS OUTPUT (Video Out for installing Headrest monitor)
   - 1 X AUDIO OUTPUT (Audio Out)
   -. 1 X LCD OUTPUT(LCD Operation)
   -. 1 X Audio Select

3. Power Spec.
   - Input Power : 8VDC ~ 24VDC 8VDC
   - Consumption Power : 12WATT, 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 with remote control
   - Possible to switch Input mode with switch for source toggle (option)
   - Possible to switch Input every time by applying +12DC with I-DRV pin of Power cable.
   - Possible to switch mode by pressing Menu button on the vehicle. (NEW)

System Composition Map
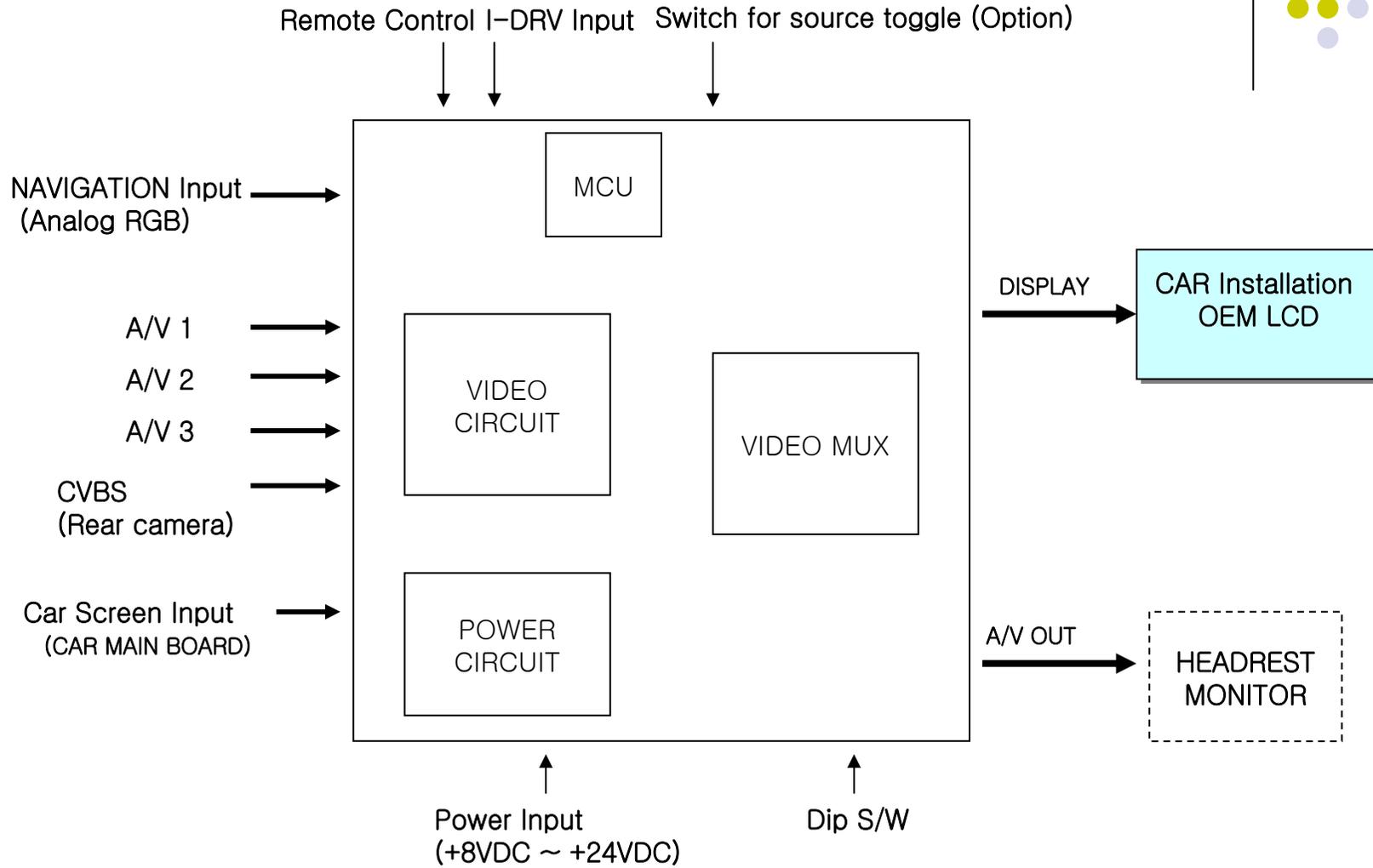
Dimension

143mm * 99mm * 21mm

143mm

99mm

21mm
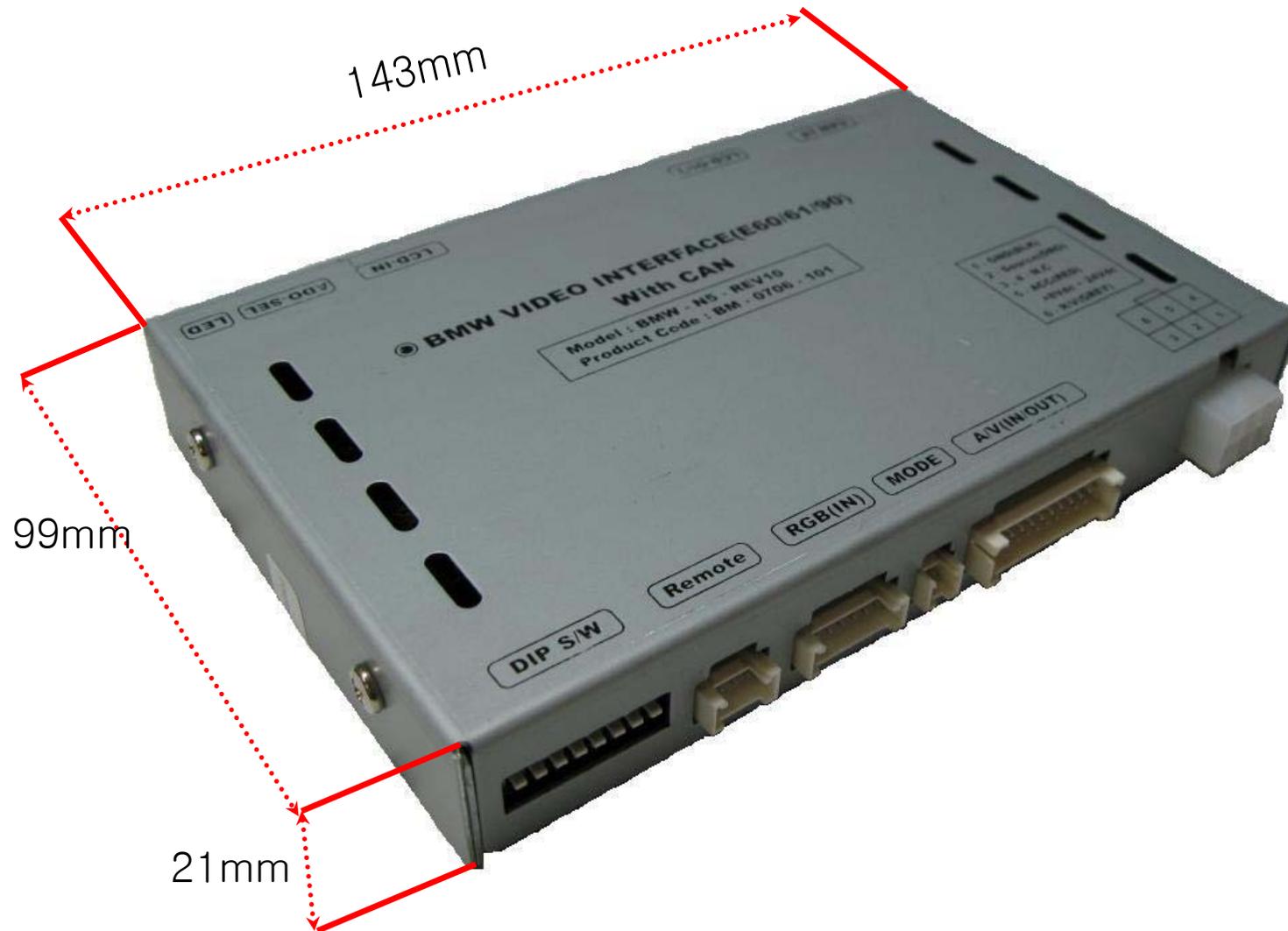
MODULE EXTERNAL
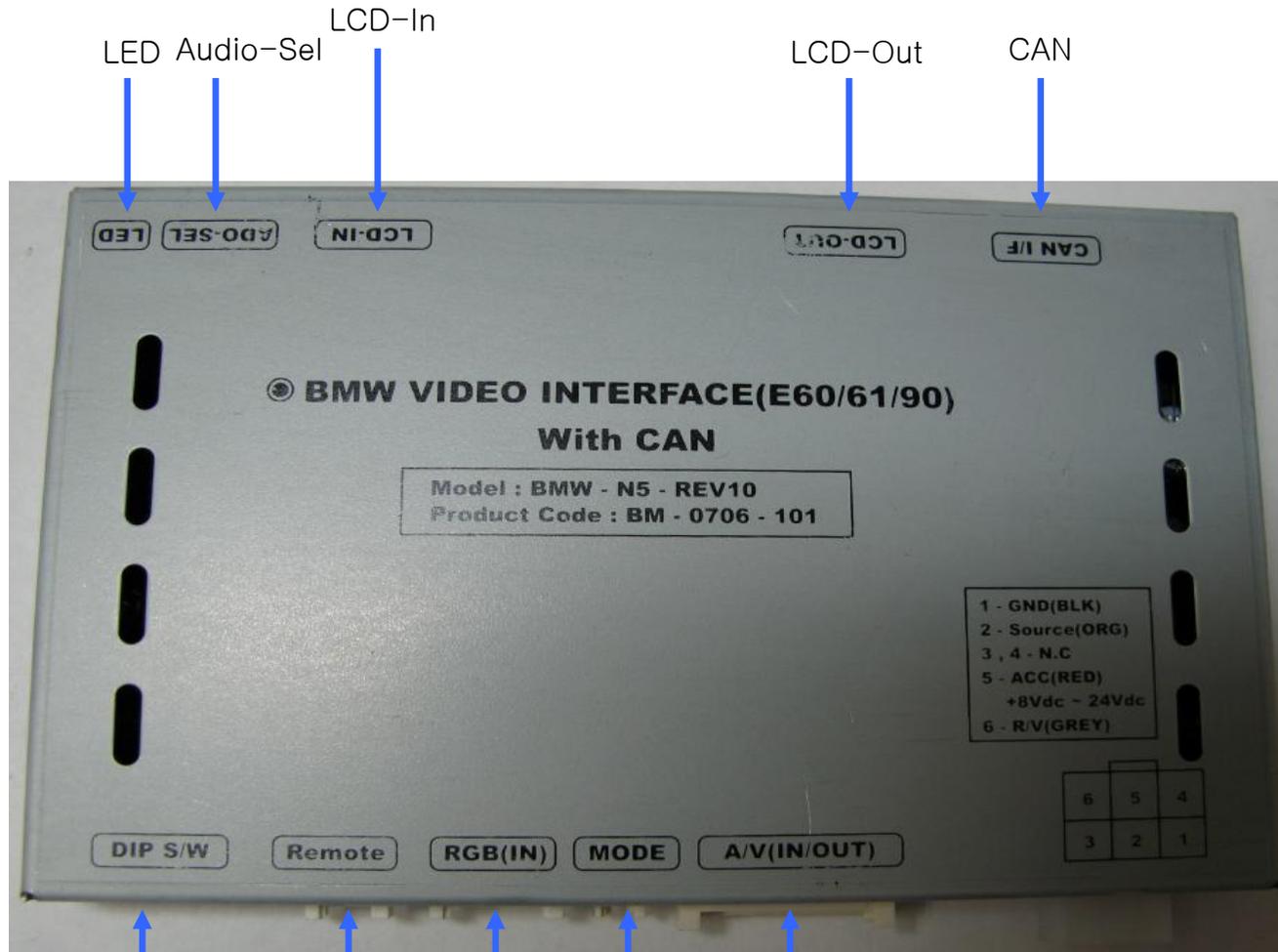
LED Audio-Sel

LCD-In

LCD-Out CAN

BMW VIDEO INTERFACE(E60/61/90)
With CAN

Model : BMW - N5 - REV10
Product Code : BM - 0706 - 101

1 - GND(BLK)
2 - Source(ORG)
3 , 4 - N.C
5 - ACC(RED)
    +8Vdc ~ 24Vdc
6 - R/V(GREY)

6	5	4
3	2	1

DIP S/W   Remote   RGB(IN)   MODE   A/V(IN/OUT)

Dip S/W   Dip S/W   RGB(In)   Tack S/W (Option)   A/V In/Out

※ This can change under manufacturer's circumstance

MODULE EXTERNAL

LED DIP S/W REMOTE NAVI IN A/V (IN/OUT) POWER

CAN LCD-OUT LCD-IN MODE

※ This can change under manufacturer's circumstance

WHITE:CAN HIGH

YELLOW:CAN LOW

*USAGE : If you push 'Menu' button for 1 sec, it's turned to OEM screen. If you push it for more than 2 sec, the mode is changed.

Do not cut the Can High&Low wire; you must be joining those wires.

* CAN wires on the car can be different by each car. We do not accept any problems caused by user's fault or carelessness

DIP SW Operation Process

#PIN	Operating when turn DIP S/W on
1	NAVI INPUT MUTE → Skipping NAVI Mode.
2	A/V 1 MUTE → Skipping A/V 1
3	A/V 2 MUTE → Skipping A/V 2
4	A/V 3 MUTE → Skipping A/V 3
5	On : 6.5" LCD Setting (Possible to use for BMW 1 series), Off : 8.8" LCD Setting
6	On : Siemens Setting (Only when to turn on the 5th pin), Off : Alpine Setting (Only when to turn on the 5th pin) On : Operation Rear Monitor for New 7 (Only when to turn off the 5th pin) Off : 8.8" Setting
7	When to choose rear mode (ON : CVBS4, OFF : MAIN)
8	N.C

OFF

ON
1 2 3 4 5 6 7 8
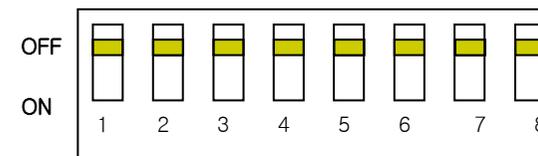
[Front View]

(DIP S/W Use Example)

  –. Use Input Mode : MAIN + A/V 3 + 6.5" + Alphine LCD
  –. Rear Camera : When to be installed on CVBS 4

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

Remote Control Guide

Power : Mode is changed on only headrest monitor by this button, when front monitor shows Navigation or Rearview camera, Main.

Source : When to change mode, you can change mode by this button.

Navi : To change mode to Navigation directly

AV1 : To change mode to A/V source you connected to A/V1 directly

AV2 : To change mode to A/V source you connected to A/V2 directly

AV3 : To change mode to A/V source you connected to A/V3 directly

▲ : Increasing

OK : Select

▼ : Decreasing

Menu : To enable OSD Menu

4:3 : To convert screen rate from 4:3 to 16:9 or 16:9 to 4:3

Main : To change to Main mode directly

Scan : Not available

Mute : Not available

Disp : Currency A/V source screen display

Reset : To make all value to factory default.

Cont. : To adjust Color under OSD (Hot Key)

Brt. : To adjust Brightness under OSD (Hot Key)

Power Cable

FILTER
& FUSE BOX

Gray

Red

Black

Orange

Orange
Black

I – DRV
GND

Length : 990mm

Red
Gray

ACC
LAMP – RV

Length : 990mm
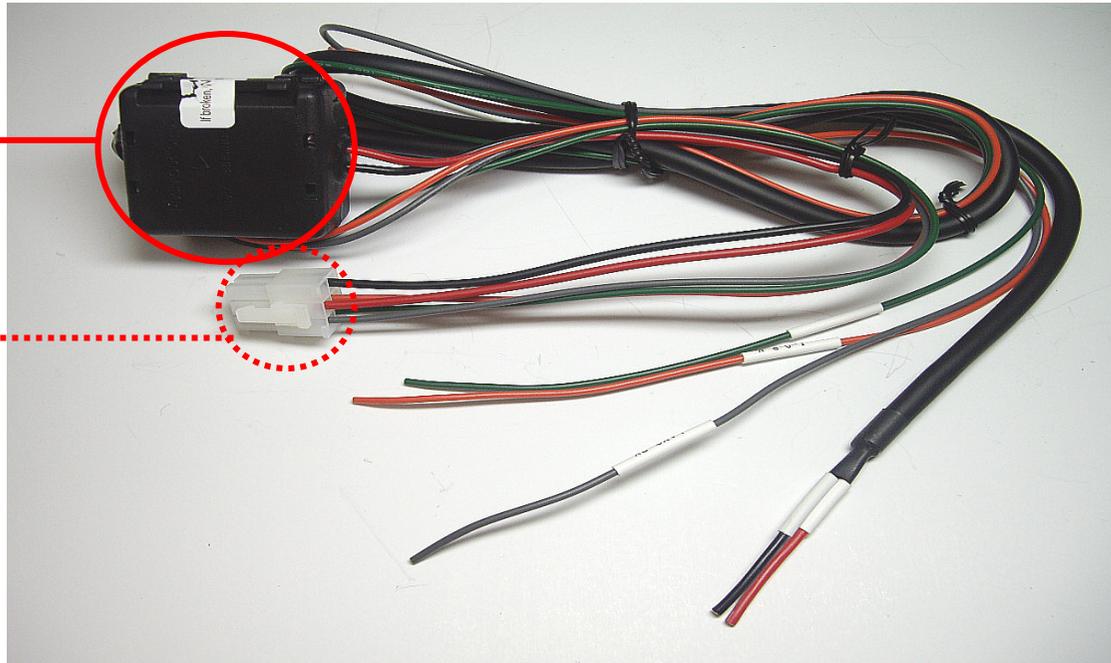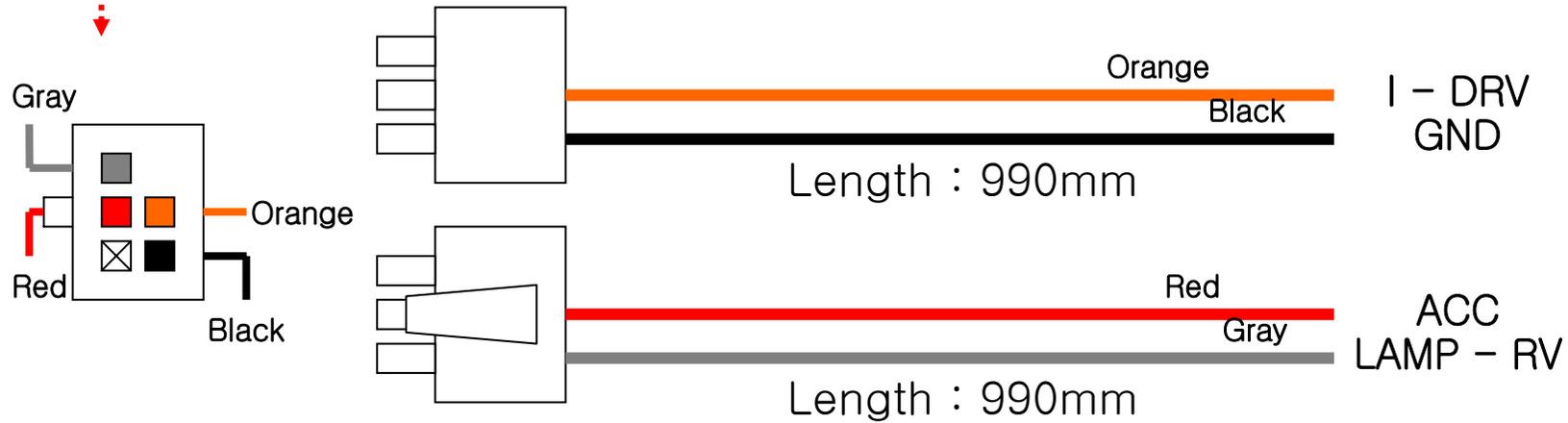
OSD(On Screen Display) Function

· Analog RGB Mode

· Video Mode

The following settings are available in the COLOR Menu :

- BRIGHTNESS : It is used to adjust brightness of the screen.

- CONTRAST : It is used to adjust distinction (Image noise clearness).

- RED,GREEN,BLUE : You can adjust red, green and blue setting for user color temp.

- SATURATION : Adjust the saturation the picture.

- HUE : It is used to adjust the display hue adjustment of the screen.

- SHARPNESS : Adjust the sharpen or soften the picture.

OSD(On Screen Display) Function

· Analog RGB Mode
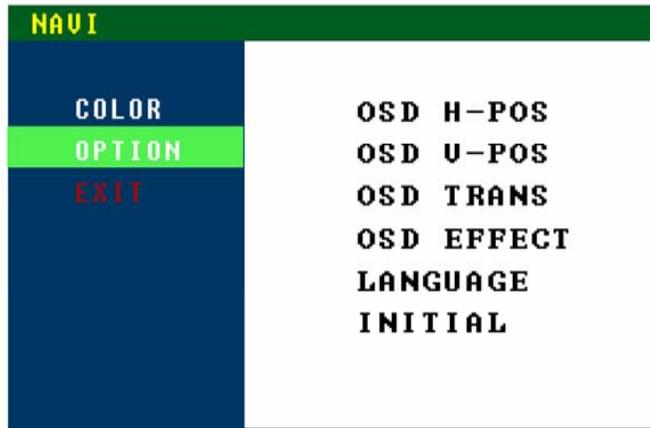
The following settings are available in the OPTIONS Menu :

- OSD H-POS : It is used to move menu screen right-wards or left-wards.

- OSD V-POS : It is used to move menu screen up-wards or down-wards.

- OSD TRANS : You can select the OSD background to be opaque or translucent.

- OSD EFFECT : Menu screen display function.

- LANGUAGE : OSD language and appearance can be changed.

- INITIAL : Screen parameters are replaced with the factory default values.

Products composition

Remote Control : 1 piece
LVDS Cable : 1 piece
Audio-Sel Cable : 1 piece
IR Cable for Remote : 1 piece
Mode change switch : 1 piece (Option)

Power Cable : 1 piece
A/V Cable : 1 piece
Navi Cable : 1 piece
CAN Cable : 1 piece

FAQ

1. When can not change mode.
-. Check if the IR Cable (remote control) 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 the 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.

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.

FAQ

8. The case the screen is displayed in screen rate 4:3 when the monitor is 8.8 inch.
-. Try to push a button written "4:3" on the remote control.
-. Check if Dip S/W no.5 is turned on, if it does, please turn it off.

9. When the displayed image is overflowed and the screen is 6.5 inch.
-. Check if Dip S/W no.5 is turned off, if it does, please turn it on.

10. If there is no Menu button on the vehicle, do not try to connect CAN wires.

11. If the warning ramp turns on, please check if CAN wires are connected well.