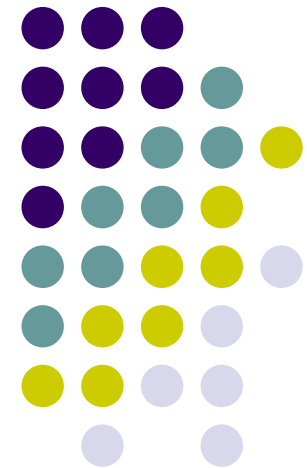


# GVIF MODULE SPECIFICATION (Land Rover, Prius, Lexus etc.)



- . MODEL: GVIF07 Rev.2
- . P/N :

QDIS Co. Ltd.



## Index

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- . Upgraded points on Rev.2
  - How to save remote key value
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- . Product External
- . Main cable pin assign, connecting CAN wire
- . How to use DIP S/W
- . Remote Control
- . OSD(On Screen Display)
- . Product composition
- . FAQ

## Upgraded points on Rev.2

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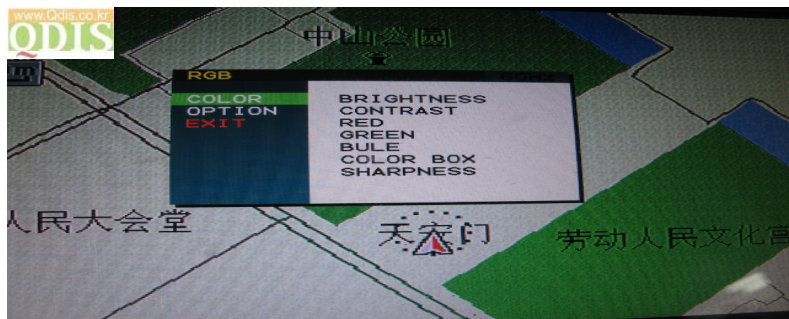
### \* Upgraded points

- CAN module is added on the board (Possible to change mode with Navi button of the car, if press other buttons it will go to OEM screen.) \* Only available for Land Rover Discovery3
  - 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 a remote value (only one) of DVD or Navi to the Interface. (Refer to Next page to know how to do.)
- Possible to save OSD setting value by each video mode.
- Rear Parking guide line added.
- Screen position adjusted
- LCD OUT Port added (Plug & Play)

## The use of remote key memory

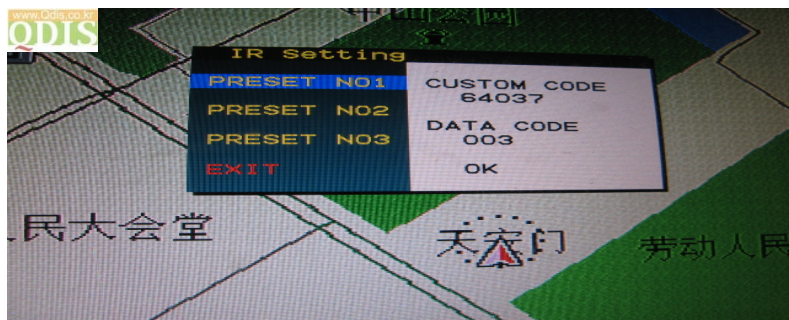


①



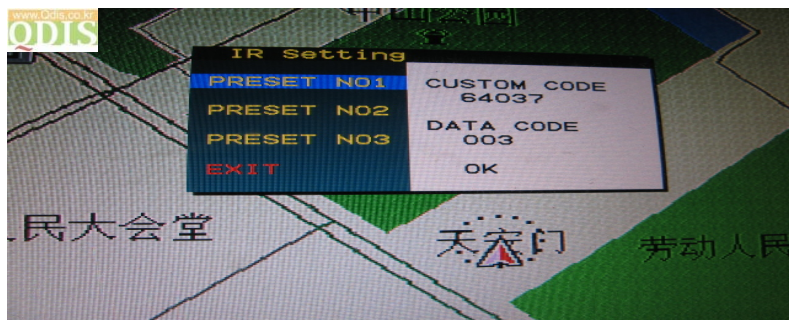
When to press Menu button of remote offered, Menu is displayed on the screen like picture No.1. and press 4291 buttons sequently then, it changes to IR scan mode.

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



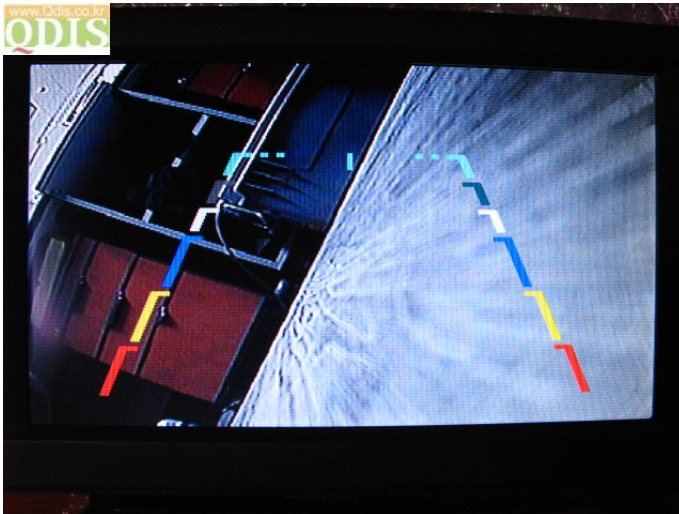
After step No.2, press one button of Navi or DVD remote, then the screen shows the key value and it's saved. Then, you exit IR setting and you can use it right away.

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

## Process to set parking guide line on rear camera mode

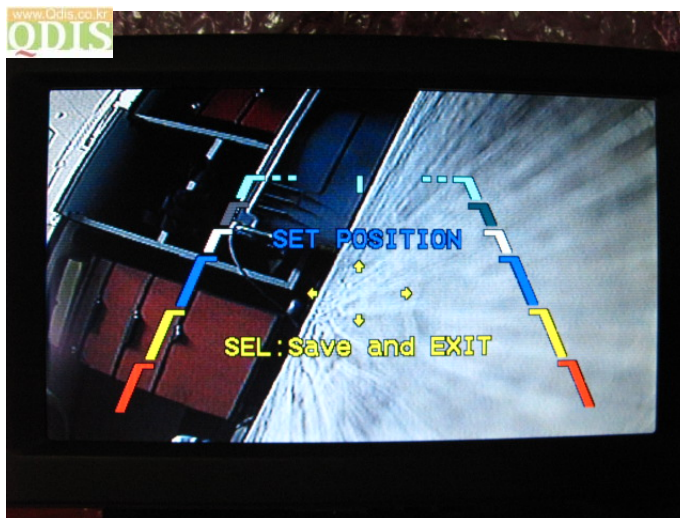


①



① The screen shows the parking Guide line on rear view camera mode like Pic No.1.

②



② If you want to adjust the position of parking like, you need to press button 1 of the remote, then you can control the position with ← ↑ → ↓ buttons.

## Process to set parking guide line on rear camera mode



③



③ If you do not want this function, you just press button 2 of the remote and select DISABLE on the setting menu like Pic No.3

\* This function is set initially in the product. If you do not want this, please do like the process No. 3

## Pre-Caution

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- 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

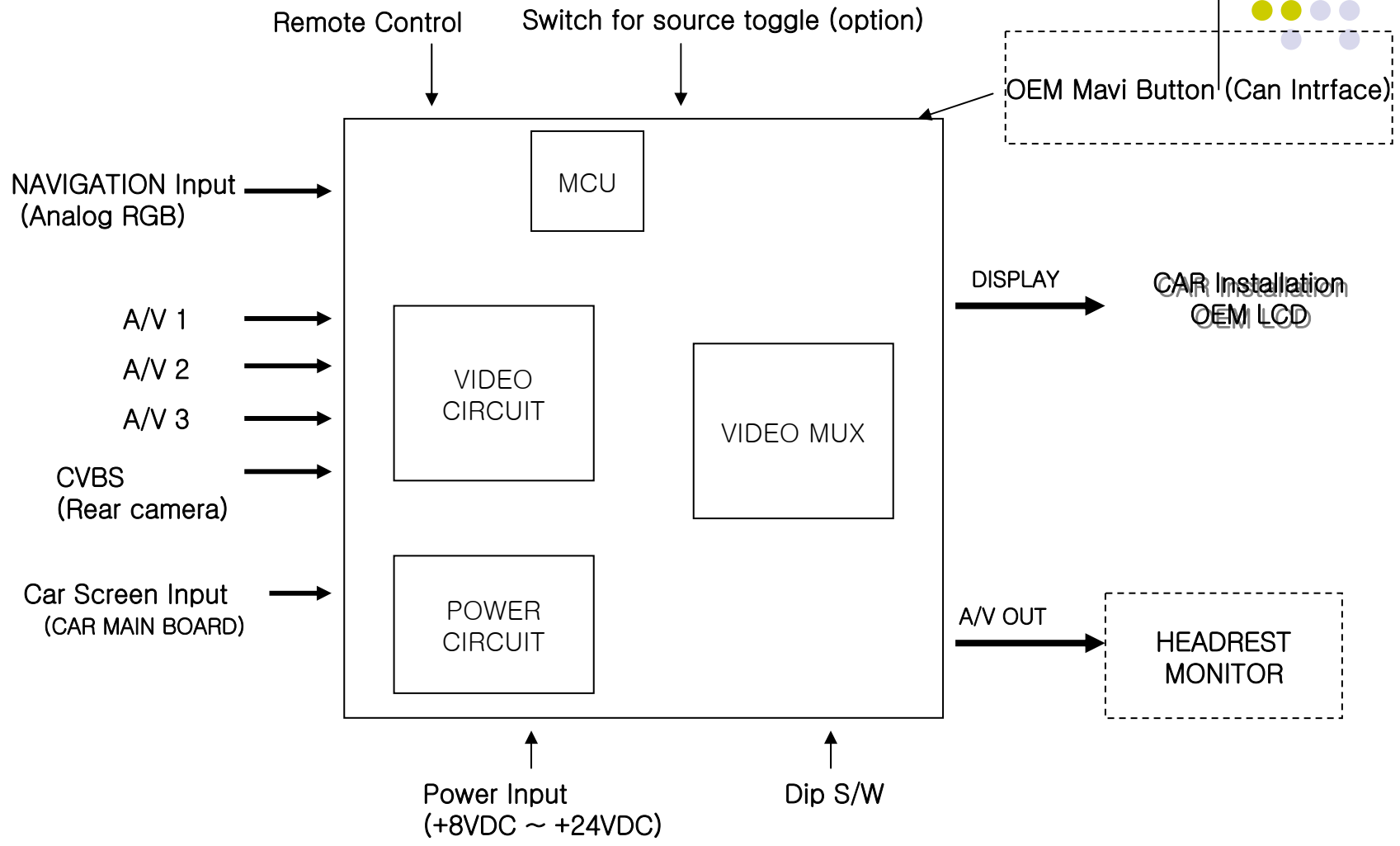
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1. Input Spec. (MULTI VIDEO INTERFACE)
  - 3 x A/V Input (External video source).
  - 1 x CVBS(REAR CAMERA) Input. (Rear camera source)
  - 1 x Analog RGB Input (Navigation System output)
  - 1 x LCD Input (Car system Input)
  - 1 x GVIF Input
  
2. Output Spec.
  - 1 x GVIF Output
  - 1 x Audio Select (12V power comes out from 3 wires of cable by video mode)
  
3. Power Spec.
  - Input Power : 8VDC ~ 24VDC
  - 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
  - Possible to switch mode every time by applying +5VDC with I-DRV pin of Power cable.

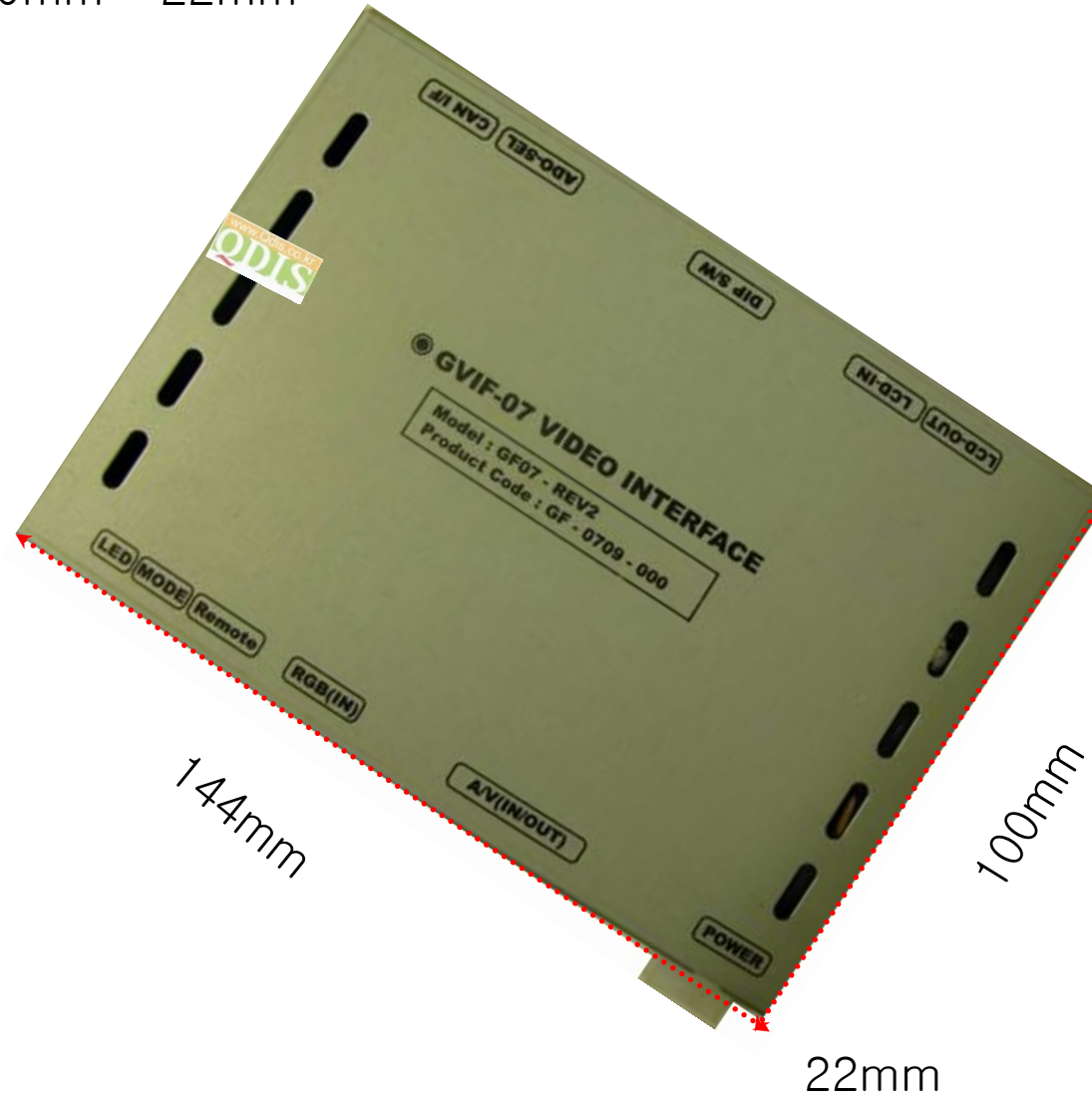


# System Composition Map

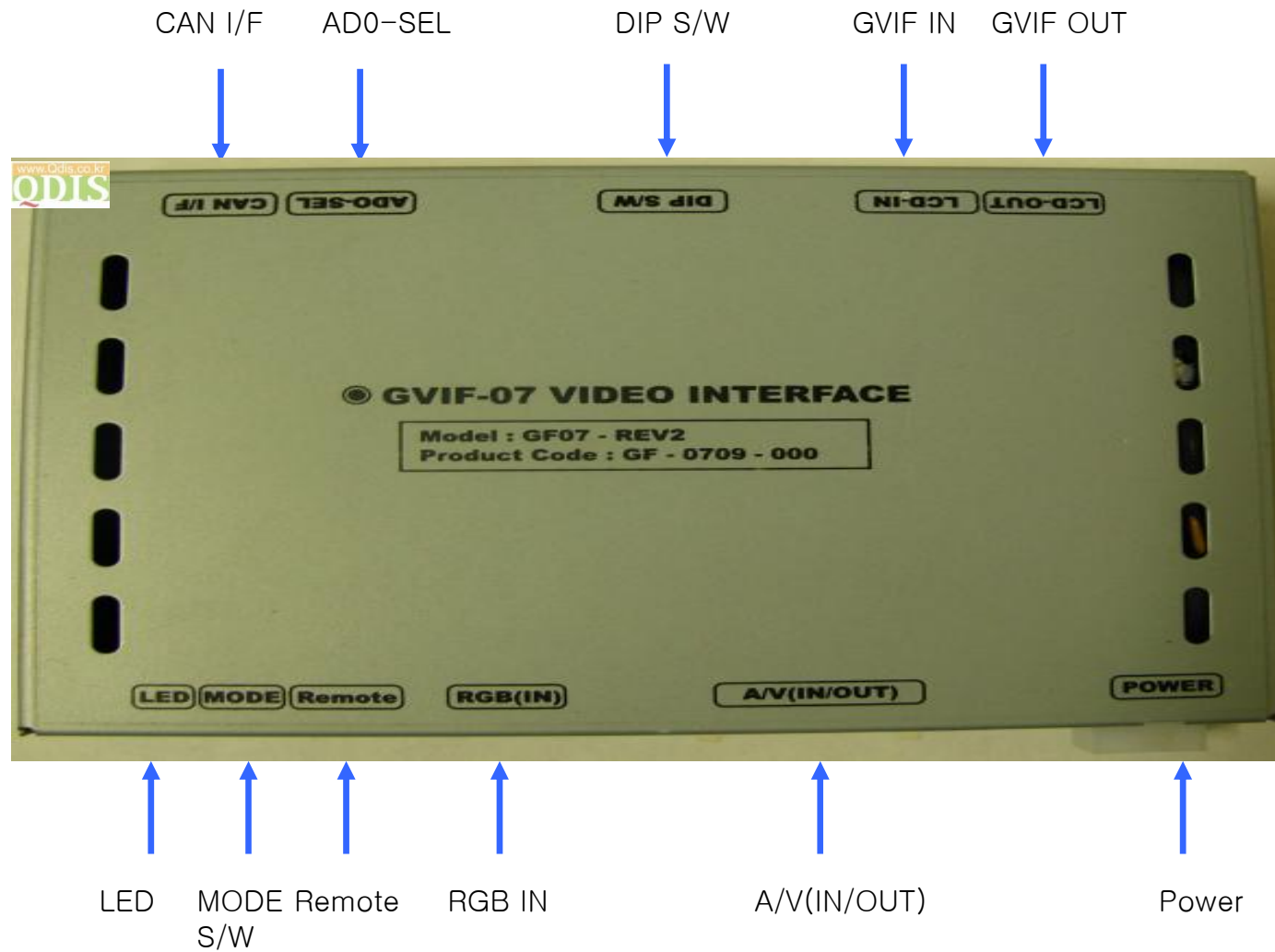


## OUTLINE DIMENSION

144mm \* 100mm \* 22mm



# MODULE EXTERNAL

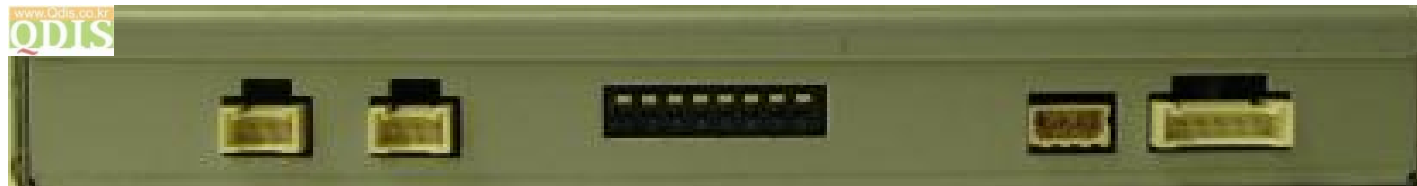


※ This can change under manufacturer's circumstance

## MODULE EXTERNAL



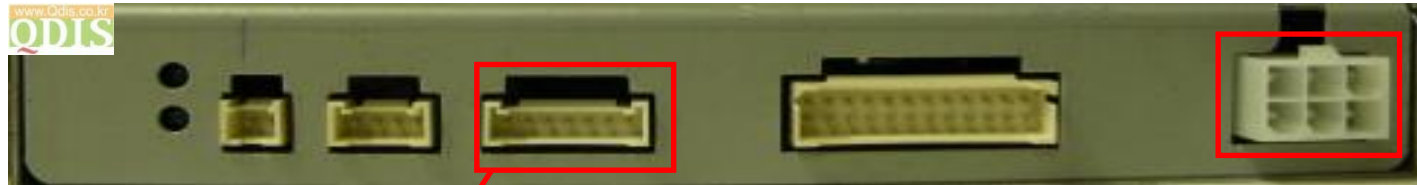
↑   ↑   ↑   ↑   ↑   ↑  
LED MODE   Remote   RGB (IN)   A/V(IN/OUT)   POWER



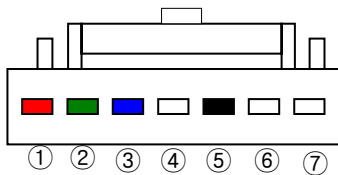
↑   ↑   ↑   ↑   ↑  
LCD-OUT   LCD-IN   DIP S/W   ADO-SEL   CAN I/F

※ This can change under manufacturer's circumstance

# Interface connectors pin assign

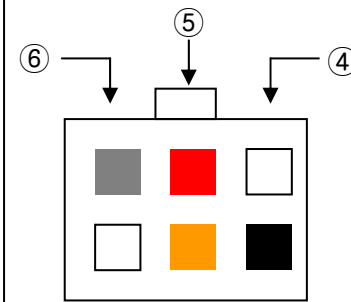


## \*RGB-IN Connect



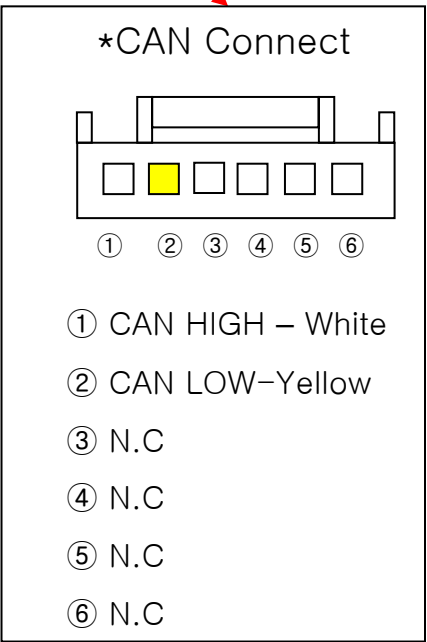
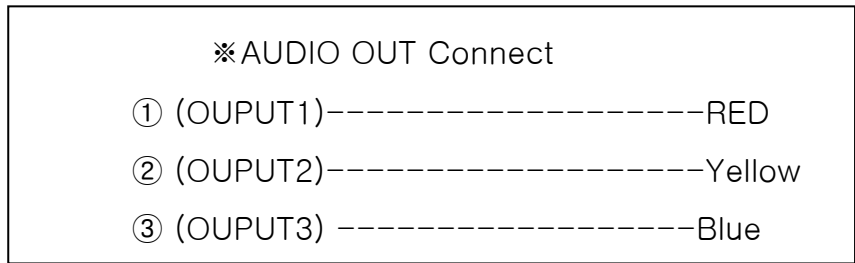
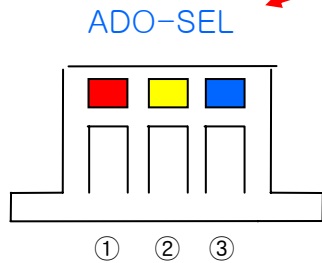
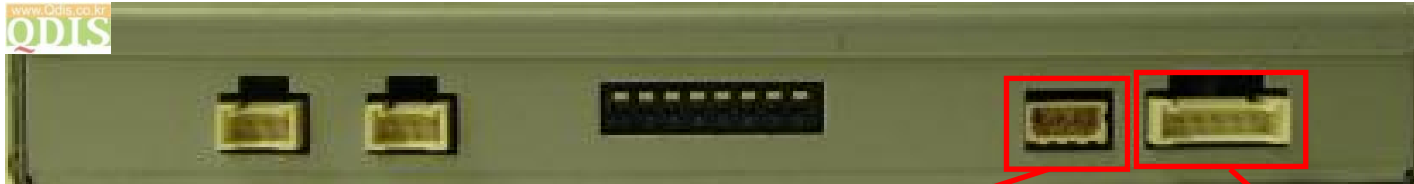
- ① R DATA (Red)
- ② G DATA (Green)
- ③ B DATA (Blue)
- ④ SYNC (White)
- ⑤ GND (Black)
- ⑥ N.C
- ⑦ N.C

## \*Power Connect



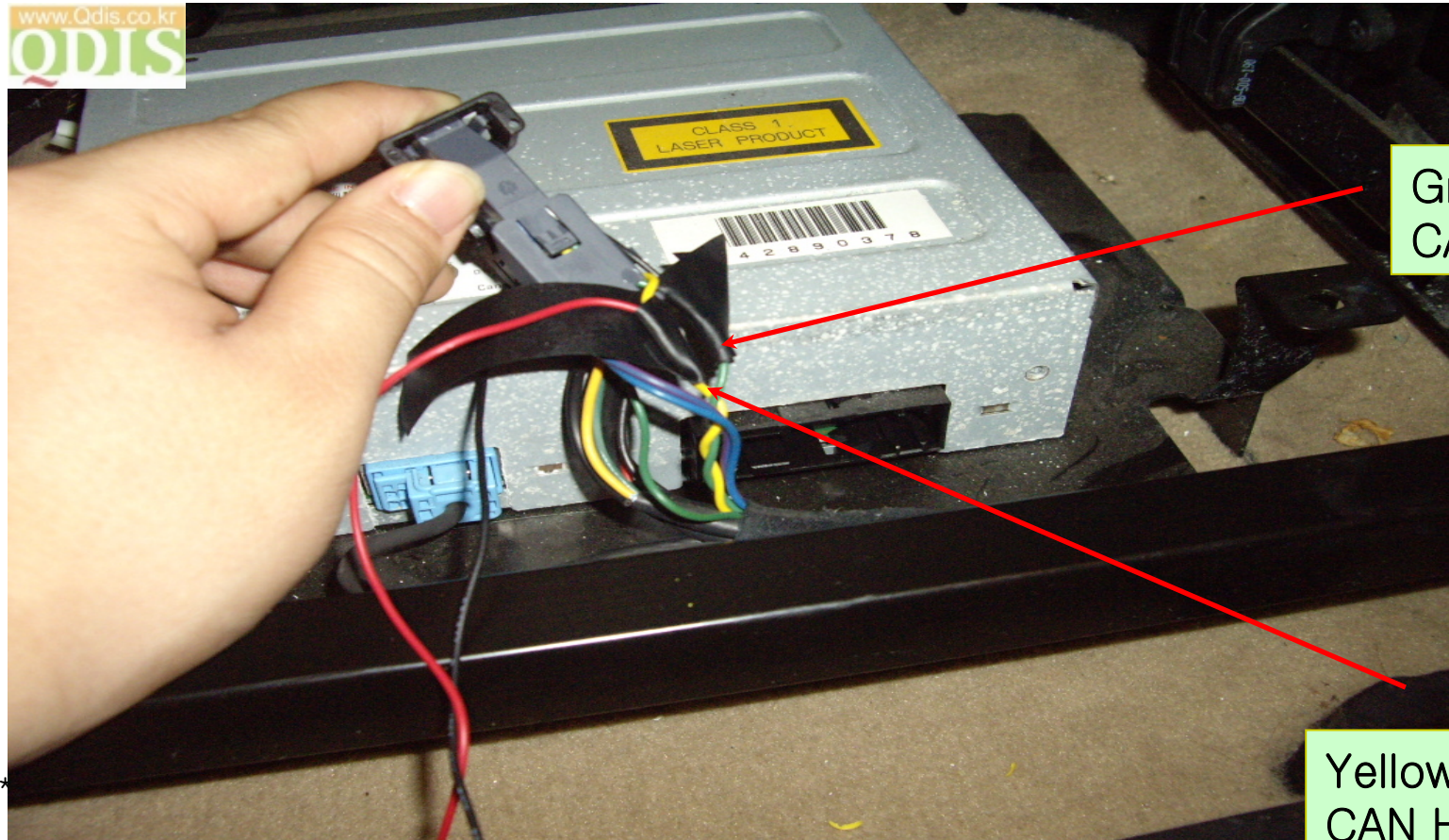
- ① GND (Black)
- ② I-Drive (Orange)
- ③ N.C
- ④ N.C
- ⑤ ACC(Red)
- ⑥ REAR(Grey)

# Interface connectors pin assign



- ① In case of AV1 chosen : Audio Sel 1 --> +12V comes out
- ② In case of AV2 chosen : Audio Sel 2 --> +12V comes out
- ③ In case of AV3 chosen : Audio Sel 3 --> +12V comes out

# CAN Wiring



Green:  
CAN LOW

Yellow:  
CAN High

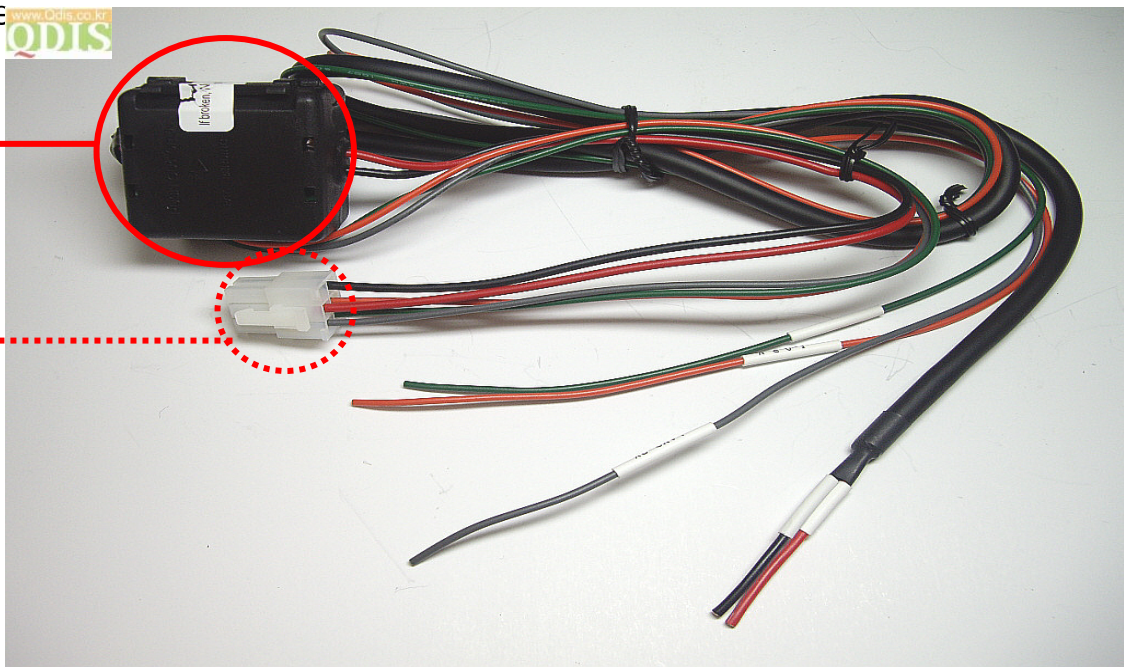
\* Connect the white wire of CAN cable offered to yellow wire of the car, the yellow wire to green wire of the car like the above picture. (Only available for Land Rover Discovery3)

\* CAN wires color can be changed by imported country and area.

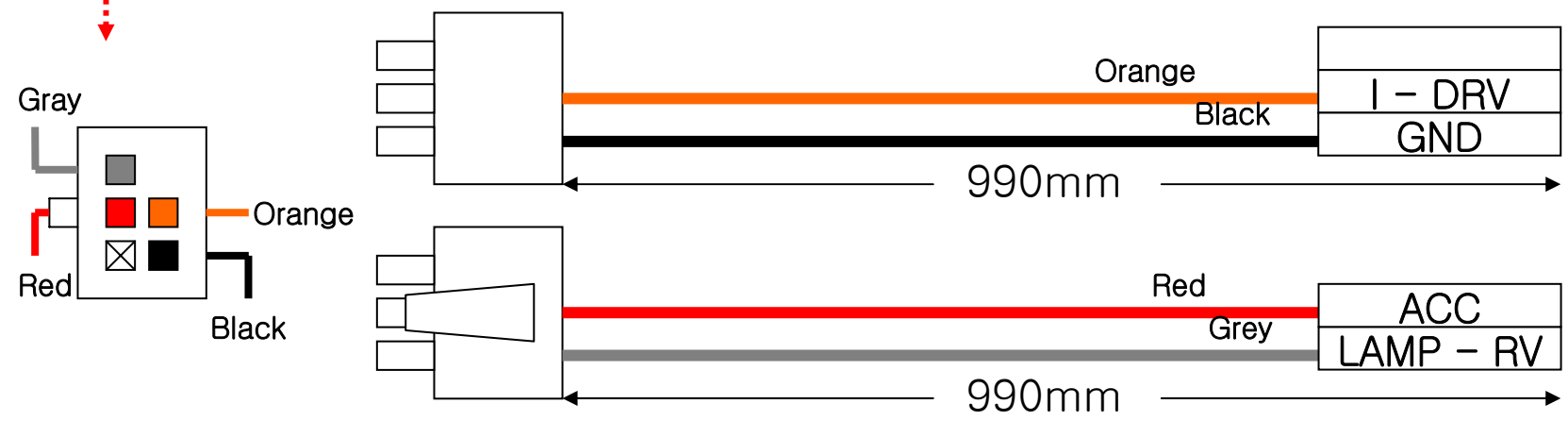


# Interface connectors pin assign

\* Power Cable



FILTER & FUSE BOX

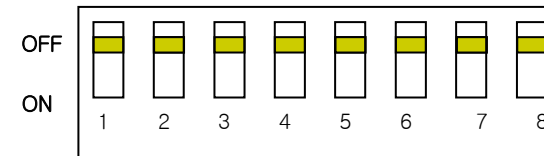




# DIP SW Operation Process



#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 : For Lexus    Off : For Land Rover
6	On : For original Navi, (OEM screen)
7	When to choose rear mode (ON : CVBS4, OFF : MAIN)
8	N.C

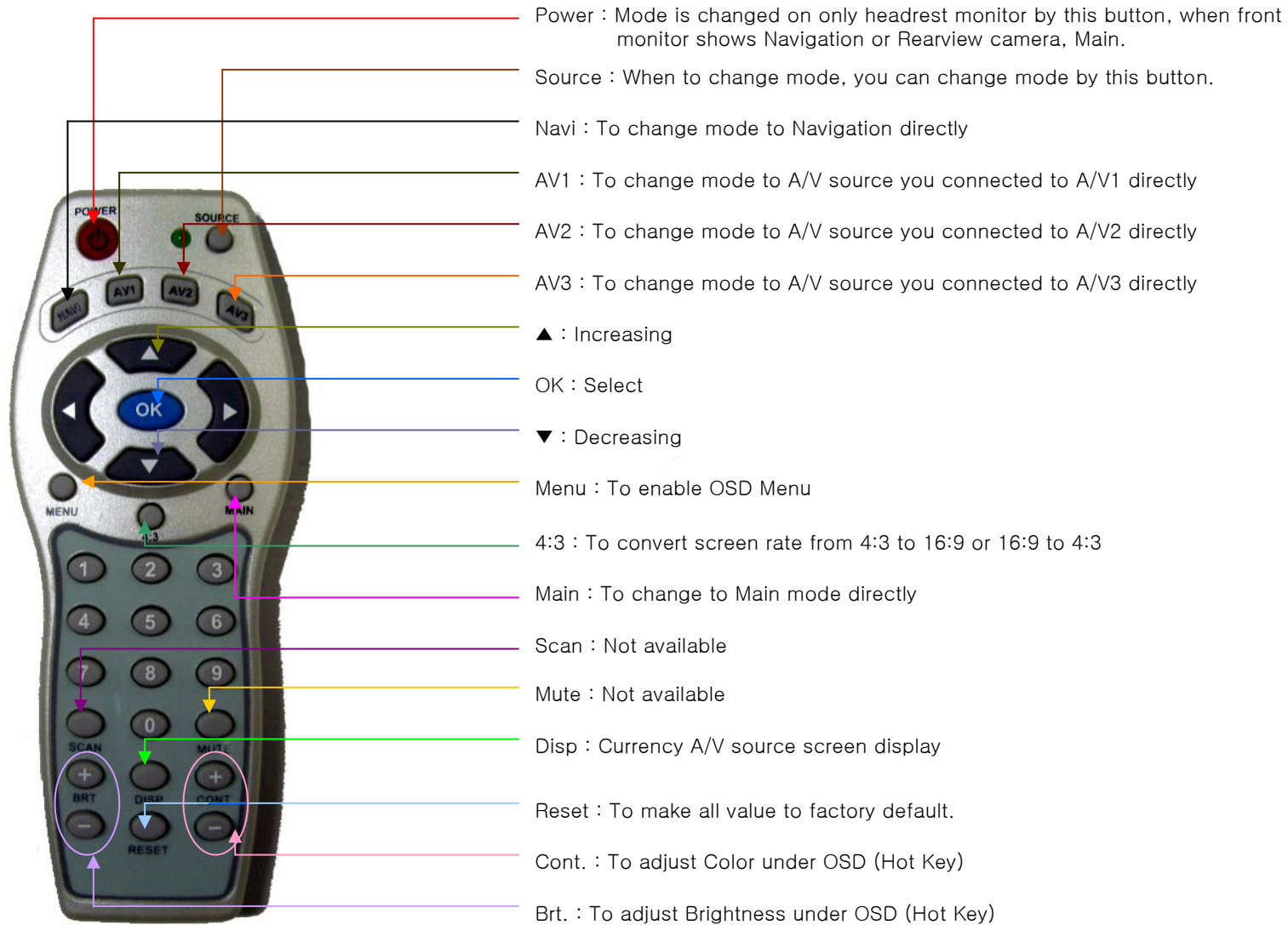


[Front View]

## (DIP S/W Use Example)

- . Use Input Mode : MAIN + A/V 3
- . 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 → OFF
- ▷ DIP S/W : 6 → OFF
- ▷ DIP S/W : 7 → ON (enable CVBS4)
- ▷ DIP S/W : 8 → OFF

# Remote control



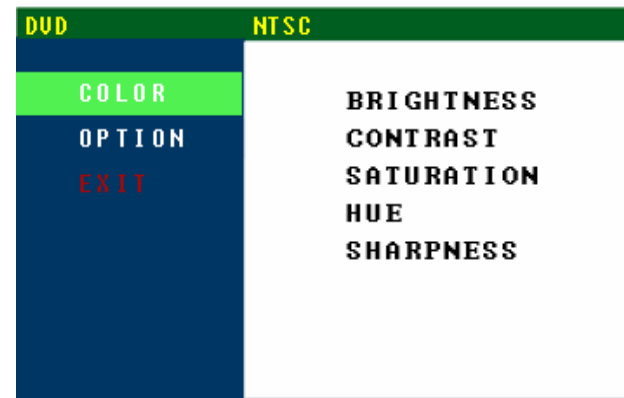
## OSD(On Screen Display)



### · Analog RGB Mode



### · Video Mode



The following settings are available in the COLOR Menu :

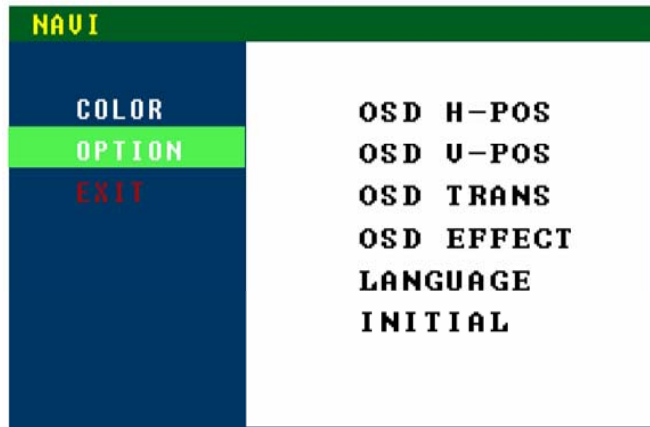
- BRIGHTNESS : It is used to adjust brightness of the screen.
- CONTRAST : It is used to adjust distinction (Image noise clearness).
- RED, GREEN, BLUE : You can adjust red, green and blue setting for user color temp.
- SATURATION : Adjust the saturation the picture.
- HUE : It is used to adjust the display hue adjustment of the screen.
- SHARPNESS : Adjust the sharpen or soften the picture.

## OSD(On Screen Display)

---



- 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.

## Product composition



리모컨 : 1 개  
LCD In 케이블 : 1 개  
A/V 케이블 : 1 개  
IR 케이블 : 1 개  
CAN 케이블 : 1 개

파워 케이블 : 1 개  
LCD Out 케이블 : 1 개  
Navi 케이블 : 1 개  
Audio Sel 케이블 : 1 개  
\* 토글 스위치 (별도 옵션)

## FAQ

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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.
- 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.