

# LOW END RGB CONVERTER SPECIFICATION

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- . MODEL: RGB-LE-REV.1
- . P/N :

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## 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.

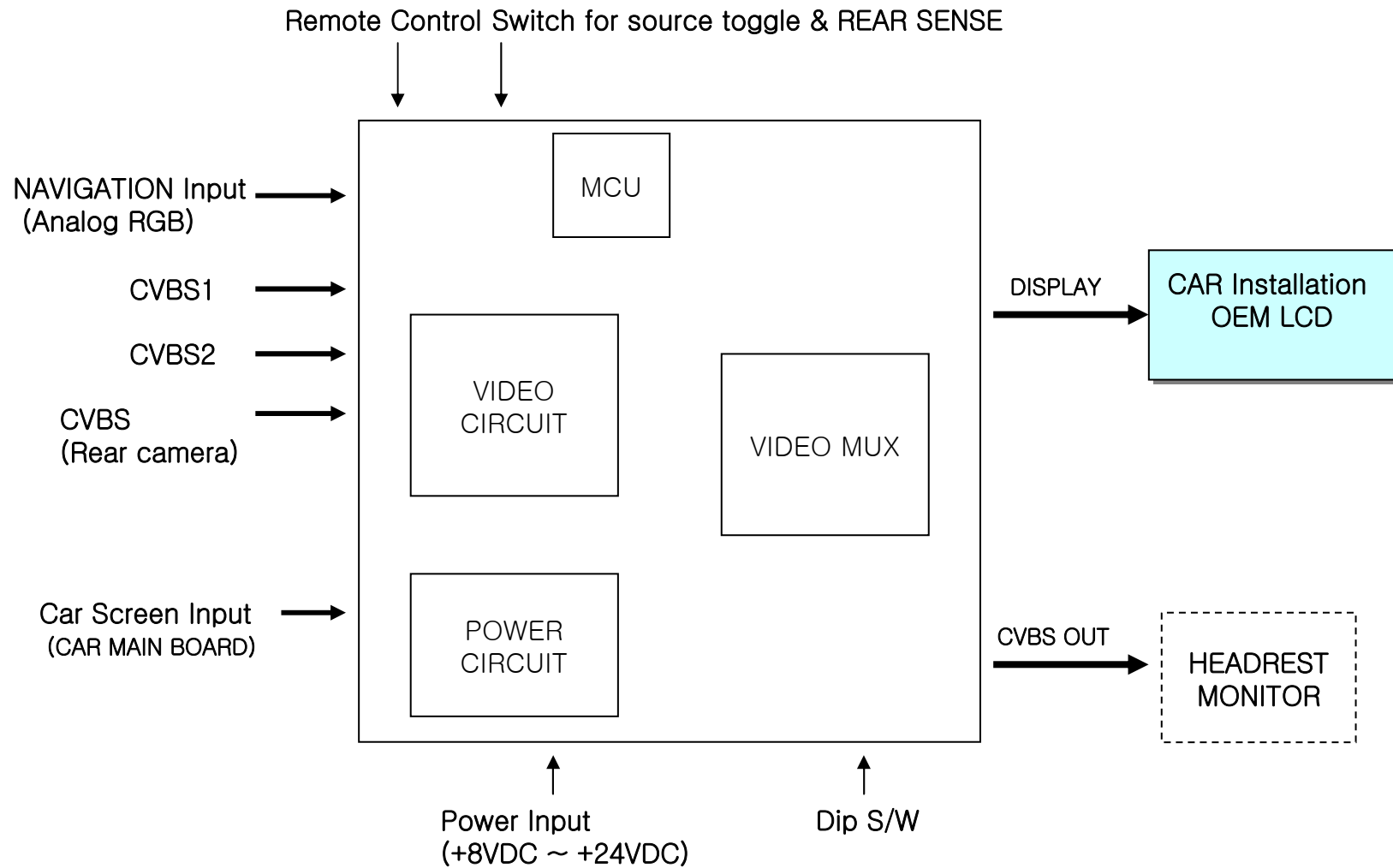
## Main Specification

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1. Input Spec. (MULTI VIDEO INTERFACE)
  - 2 x CVBS Input (External video source).
  - 1 x CVBS (REAR CAMERA) Input (Rear camera source)
  - 1 x Analog RGB Input (Car commander original monitor output)
  - 1 x Analog RGB Input (Navigation System output)→OPTION
2. Output Spec.
  - 1 x CVBS OUTPUT (Video Out for installing Headrest monitor)
  - 1 x RGB OUTPUT(LCD Operation)
  - 1 x Audio Select OUTPUT (For operating A/V sources – ex) 12V is come out on V1 port, when AV1 is chosen.)
3. Power Spec.
  - Input Power : 8VDC ~ 24VDC
  - Consumption Power : 5WATT, Max
4. Switch Input mode
  - NAVI/CVBS1,2 Original MUTE Function : Possible to mute each input by operating Dip S/W
  - Possible to switch Input mode with remote control or toggle switch.
  - Rear View Camera mode : When to sense rear gear power, be switched to Rear view camera mode (Impossible to switch to rear mode with Toggle S/W or the Remote control)
5. Special Function
  - Remote Key scanning function (Option – If you want to use this function, you have to purchase the remote additionally.)
    - \* How to use?  
Press 4291 buttons of Remote offered, then LED lamp of interface blinks. After that, press any button of A/V source remote such as Navigation, DVD etc. that you want to use. If LED lamp of the interface blinks slowly, It means to succeed and you can use the button that you set for mode change.

## System Composition Map

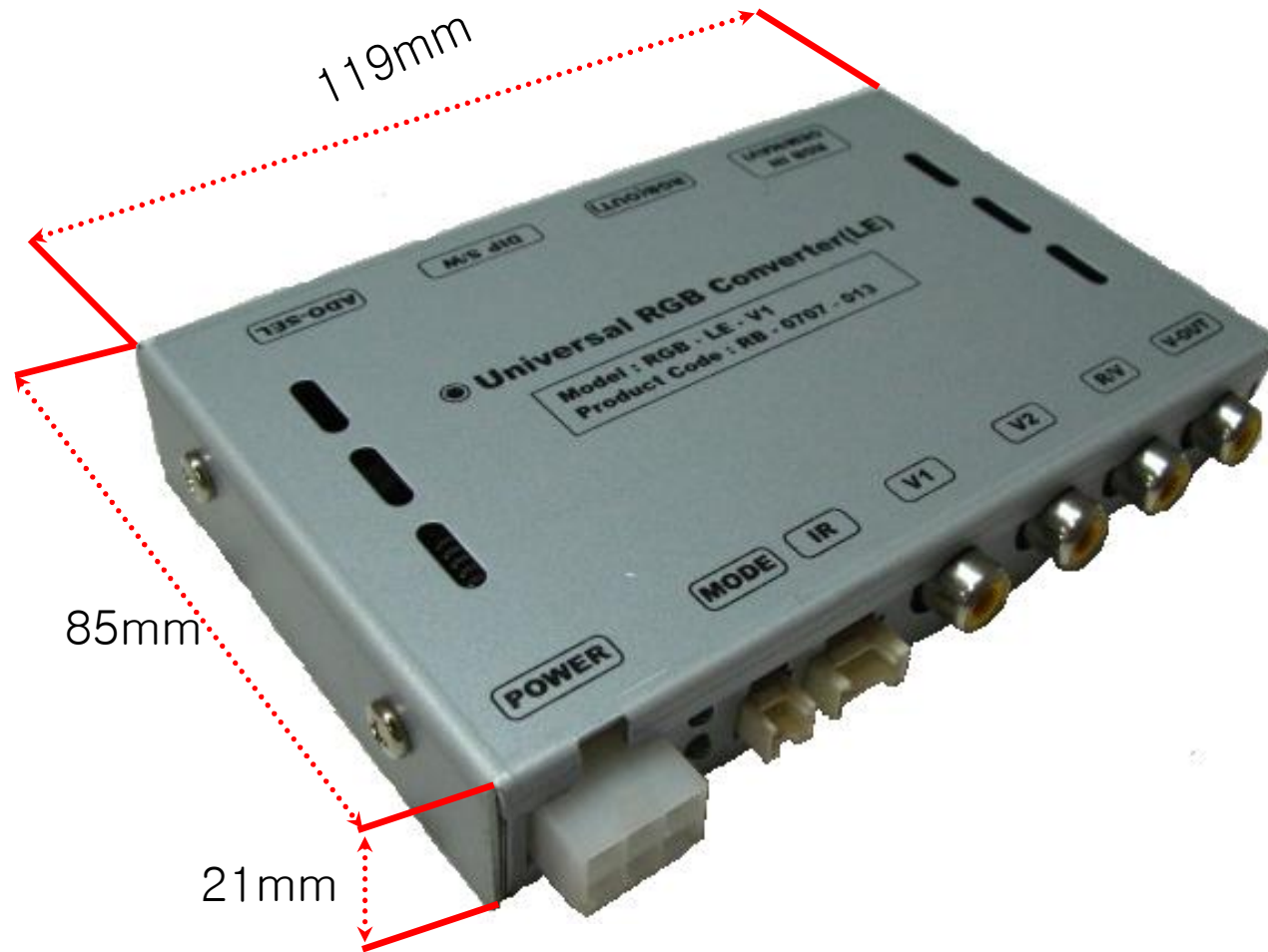
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## Outline Dimension

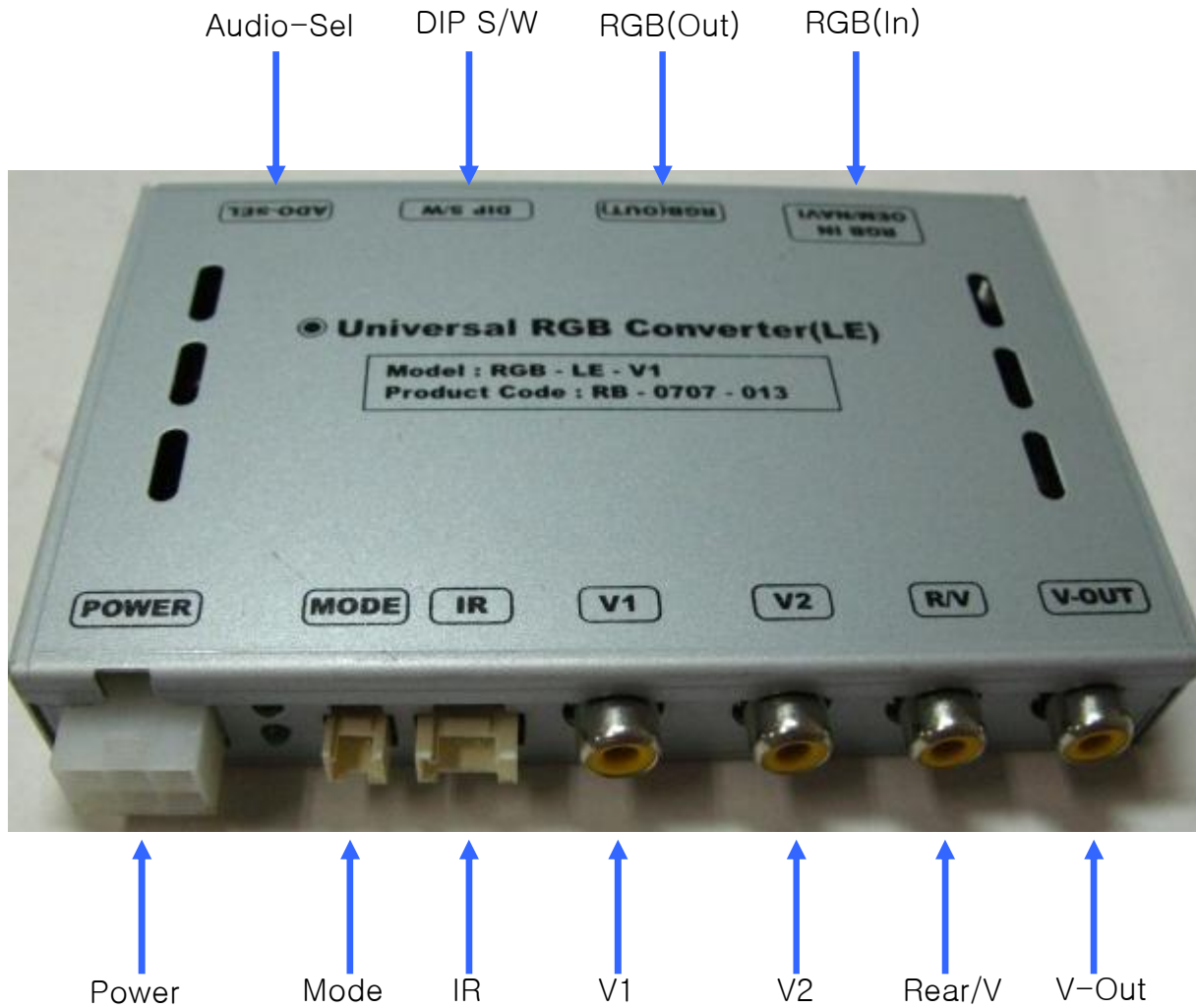
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119mm \* 85mm \* 21mm



## MODULE EXTERNAL

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※ This can change under manufacturer's circumstance

## MODULE EXTERNAL

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↑      ↑      ↑      ↑      ↑      ↑      ↑      ↑  
Power   LED   Mode   IR   V1   V2   R/V   V-Out



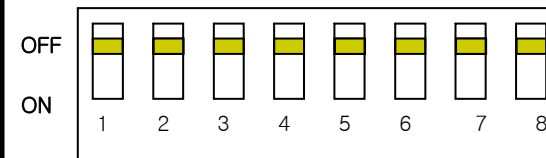
↑      ↑      ↑      ↑  
RGB In   RGB In   DIP S/W   Audio-Sel  
OEM/Navi   OEM/Navi

※ This can change under manufacturer's circumstance



## DIP SW Operation Process

#PIN	Operation
1	On : Navi Skip / Off : Navi Enable
2	On : CVBS1 Skip / Off : CVBS1 Enable
3	On : CVBS2 Skip / Off : CVBS2 Enable
4	N.C
5	On : OEM Display Skip / Off : OEM Display Enable
6	On : Non-Interlace / Off : Interlace
7	On : External Rear Cam. / Off : OEM Rear Cam.
8	On : Sync On Green (RGSB) / Off : Sync On Green Off

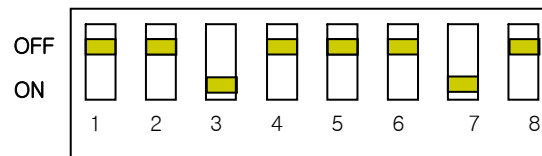


[Front View]

### (DIP S/W Use Example)

- Use Input Mode : When to use Navi, CVBS1, Rear, Main
- Rear Camera :

- ▷ DIP S/W : 1,2 --> OFF
- ▷ DIP S/W : 3 --> ON
- ▷ DIP S/W : 4 --> OFF
- ▷ DIP S/W : 5 --> OFF
- ▷ DIP S/W : 6 --> OFF
- ▷ DIP S/W : 7 --> ON
- ▷ DIP S/W : 8 --> OFF



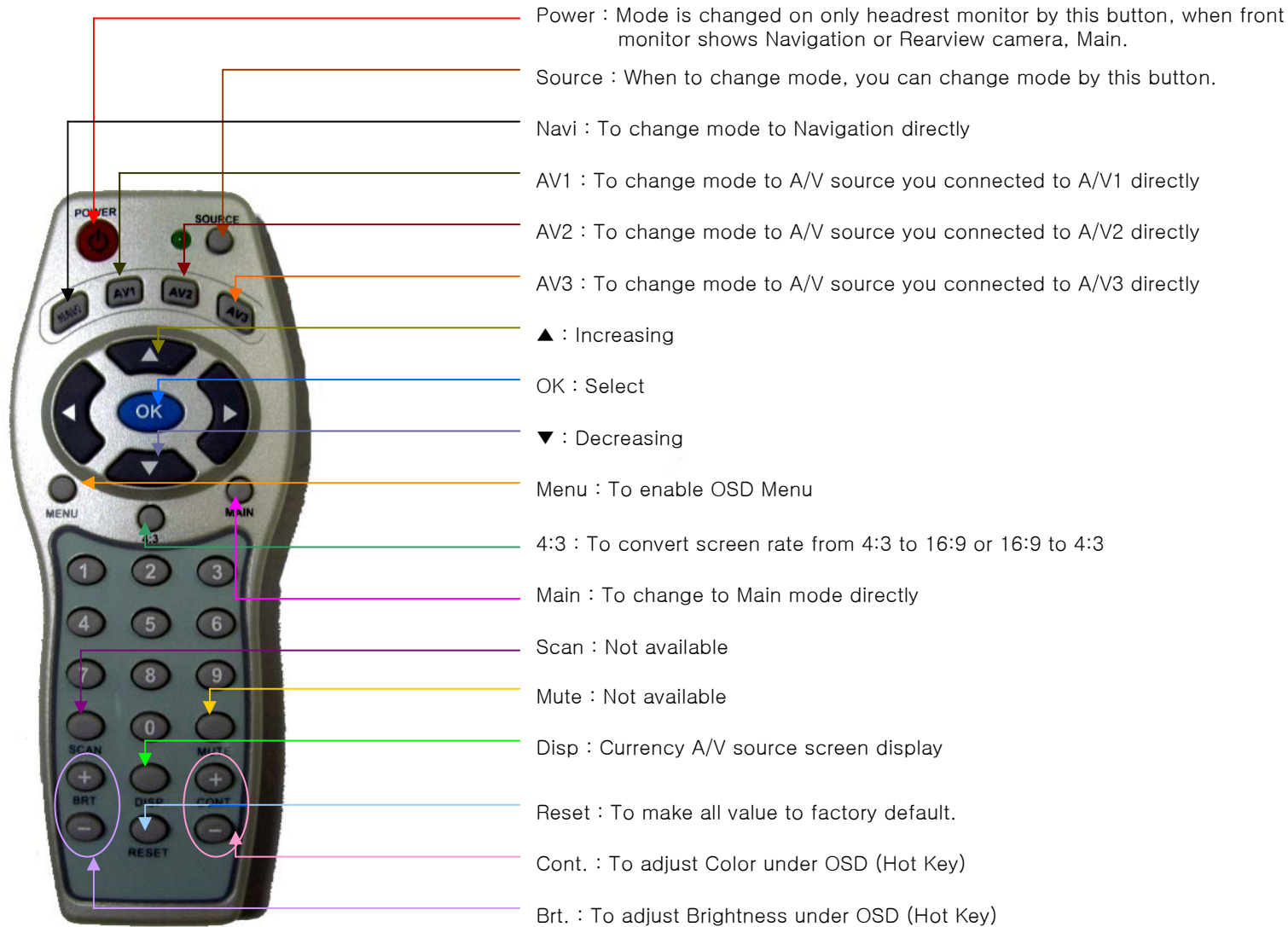
[Example]

### **\* Caution**

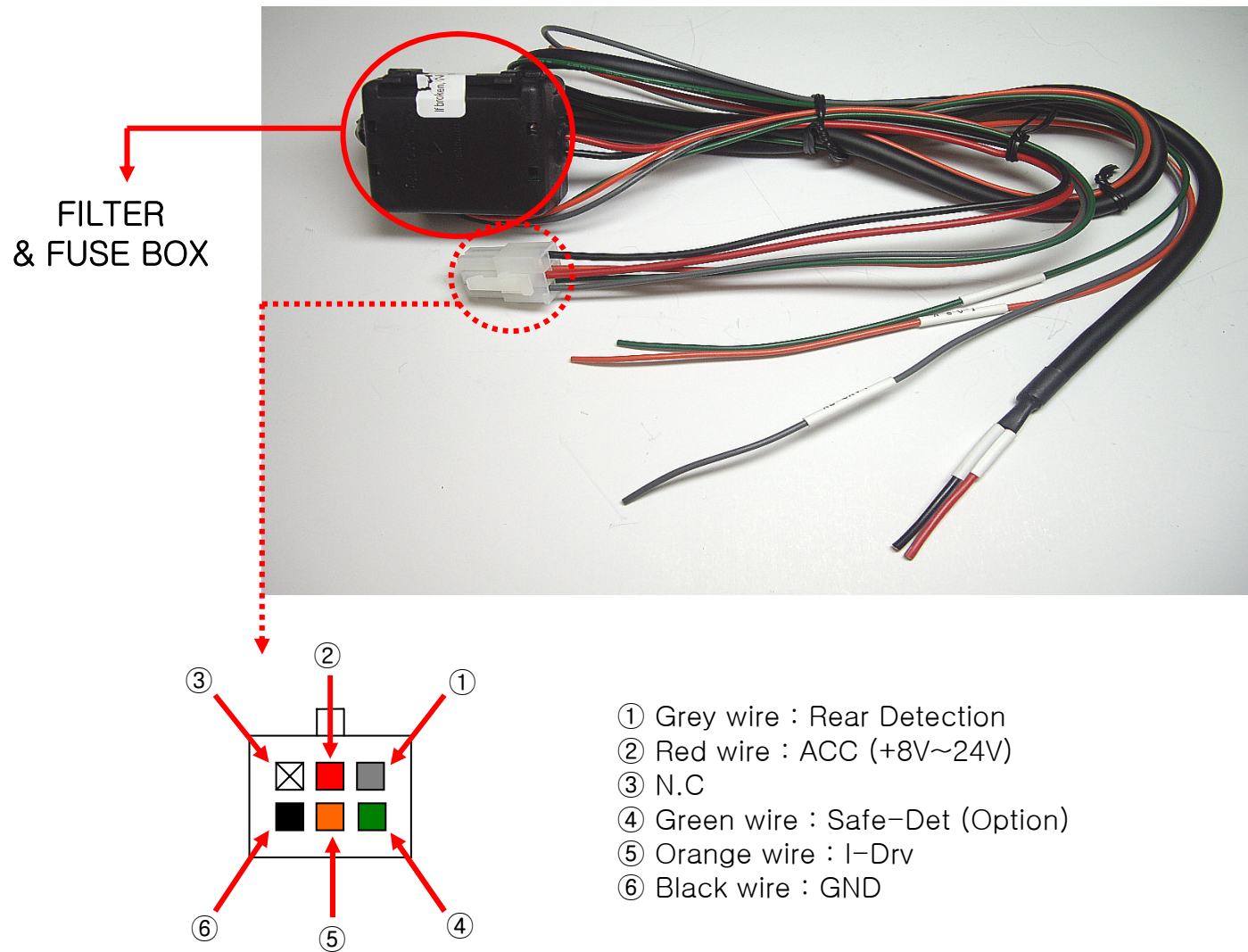
- If the displayed screen vibrates, please try to operate Dip S/W No. 6 after turning power off.

# Remote Control Guide

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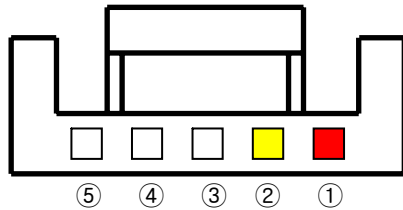
## Power Cable



\* There's a fuse in the filter box. If power does not come out, please check the fuse in the filter box.

## Audio-Sel, RGB In (Navi/OEM), RGB Out Cables

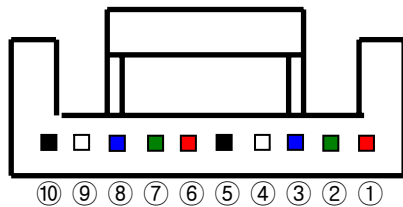
### \* Audio Select Cable



- ① Audio Sel 1 (Red Wire)
- ② Audio Sel 2 (Yellow Wire)
- ③~⑤ : N.C

Mode	Audio Sel 1	Audio Sel 2
OEM	No Out	No Out
NAVI	No Out	No Out
A/V 1	+ 12V Out	No Out
A/V 2	No Out	+ 12V Out
Rear Camera	Coming Out with right last mode before changed to Rear Camera mode	

### \* RGB In (Navi/OEM) Cable

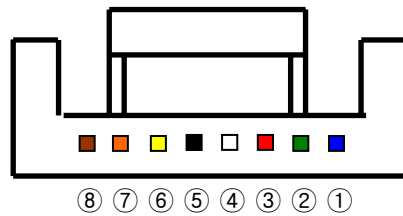


- ① NAVI (R Data) : Red Wire
- ② NAVI (G Data) : Green Wire
- ③ NAVI (B Data) : Blue Wire
- ④ NAVI (Sync) : White Wire
- ⑤ NAVI (GND) : Black Wire
- ⑥ OEM (R Data) : Red Wire
- ⑦ OEM (G Data) : Green Wire
- ⑧ OEM (B Data) : Blue Wire
- ⑨ OEM (Sync) : White Wire
- ⑩ OEM (GND) : Black Wire

## Audio-Sel, RGB In (Navi/OEM), RGB Out Cables

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### \* RGB Out Cable



- ① RGB-Out (Blue Data) : Blue Wire
- ② RGB-Out (Green Data) : Green Wire
- ③ RGB-Out (Red Data) : Red Wire
- ④ RGB-Out (Sync Data) : White Wire
- ⑤ RGB-Out (GND) : Black Wire
- ⑥ RGB-Out (ACC) : Yellow Wire
- ⑦ RGB-Out (Video S/W) : Orange Wire
- ⑧ Not used

## Products composition

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Power Cable : 1 piece

RGB (Out) Cable : 1 piece

Audio Select Cable : 1 piece

※ Option : Remote Control (1 piece), IR Cable for remote (1 piece)

Mode change switch : 1 piece

RGB (In) OEM/ Navi Cable : 1 piece

## 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.
2. When the screen is displaying only black color.
  - . Check if 2<sup>nd</sup> 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.
8. The case the screen is changed to Main mode despite of choosing Back-up camera mode.
  - . Check if Dip S/W no.7 is turned on. If it's not, you have to turn it on.
9. When the screen is blinking or not proper.
  - . Turn Dip S/W no.6 on.