

Porsche Cayenne PCM2.1

Specification & Installation

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1.1 Main Specification

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.)

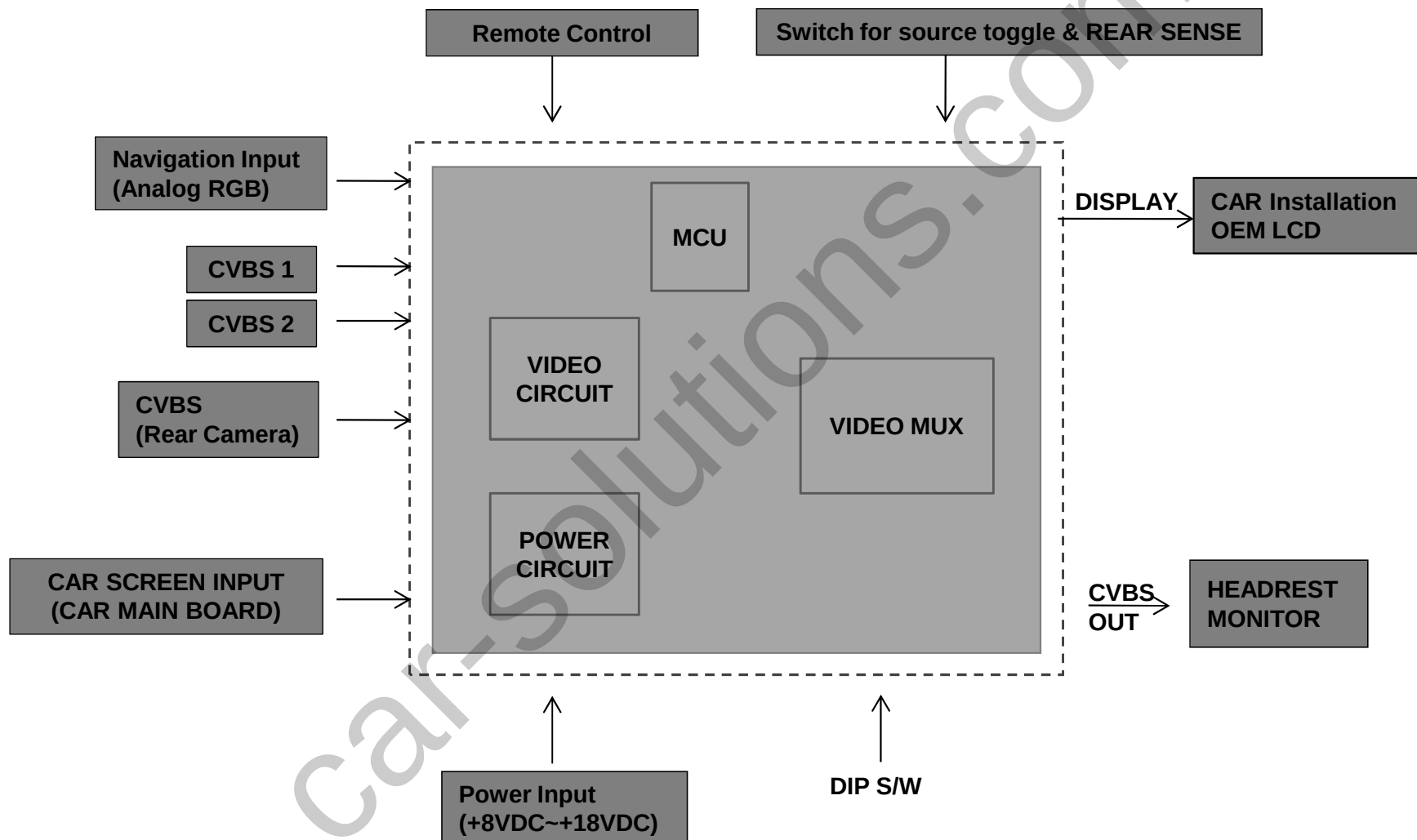
3. Power Spec.

- Input Power : 8VDC ~ 18VDC
- Consumption Power : 5WATT, Max

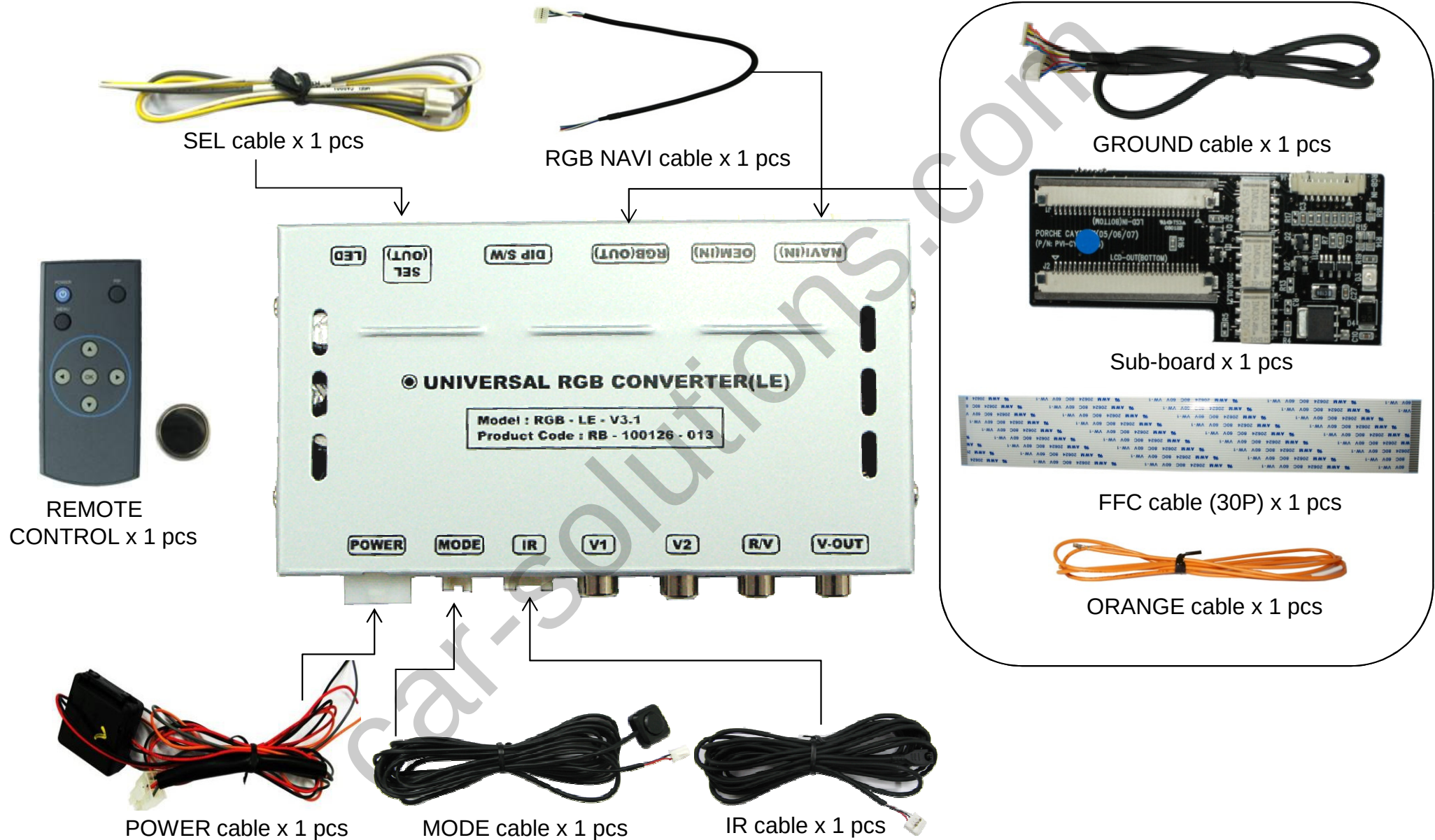
4. Switch Input mode

- 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)

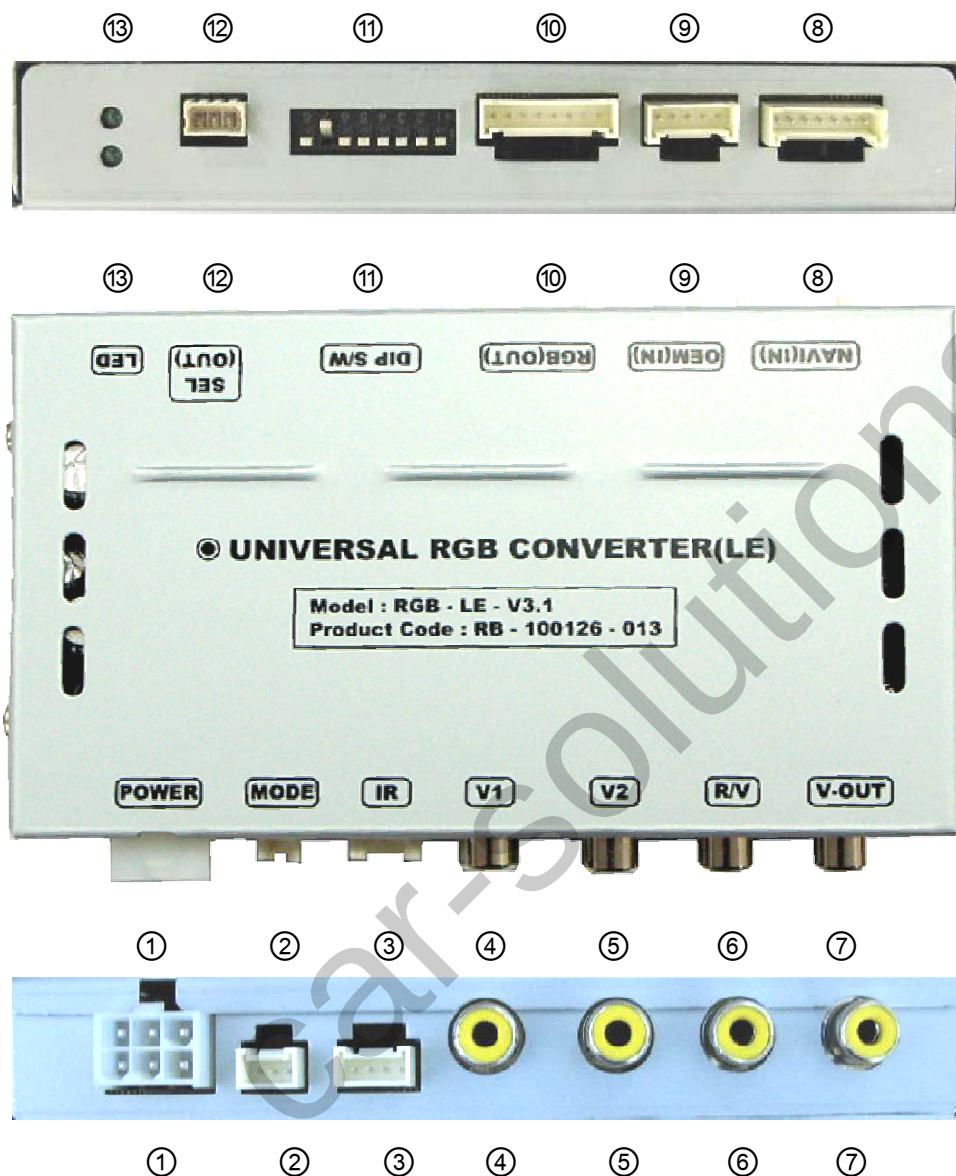
1.2 System Diagram



1.3 Components



1.4 Exterior



Dimension

Horizontal length 129mm

Vertical length 75mm

Height 21mm

- ① POWER
- ② MODE
- ③ IR
- ④ V1
- ⑤ V2
- ⑥ R/V
- ⑦ V-OUT
- ⑧ NAVI (IN)
- ⑨ OEM (IN)
- ⑩ RGB OUT
- ⑪ DIP S/W
- ⑫ AUDIO-SEL
- ⑬ LED

2.1 DIP switch

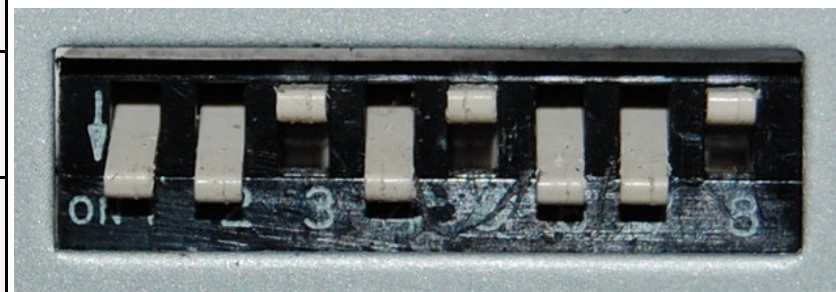
DIP #	Function	DIP S/W selection
1	RGB Input	ON : RGB Input is OFF OFF : RGB Input is ON
2	A/V1 Input	ON : A/V1 Input is OFF OFF : A/V1 Input is ON
3	A/V2 Input	ON : A/V2 Input is OFF OFF : A/V2 Input is ON
4	Car type	ON : Porsche PCM2.1 \ VW Touareg OFF : All other cars
5	OEM Picture	ON : OEM Picture is OFF OFF : OEM Picture is ON
6	Interlace	ON : NON-INTERLACE CSync OFF : INTERLACE Csync
7	Rear Mode	ON : External Rear Camera OFF : OEM Rear Camera
8	Sync on GREEN	ON : Sync on GREEN is ON- RGSB OFF : Sync on GREEN is OFF - RGBS

DIP ✕ ON : DOWN, OFF : UP

[Porsche Cayenne PCM2.1]

- Use Input Mode : CVBS1, Navigation (RGB), Main
- Rear Camera : When to be installed on CVBS 4

- ▷ DIP S/W : 1 → OFF
- ▷ DIP S/W : 2 → OFF
- ▷ DIP S/W : 3 → ON
- ▷ DIP S/W : 4 → ON
- ▷ DIP S/W : 5 → OFF
- ▷ DIP S/W : 6 → OFF
- ▷ DIP S/W : 7 → ON (enable CVBS4)
- ▷ DIP S/W : 8 → OFF



Caution

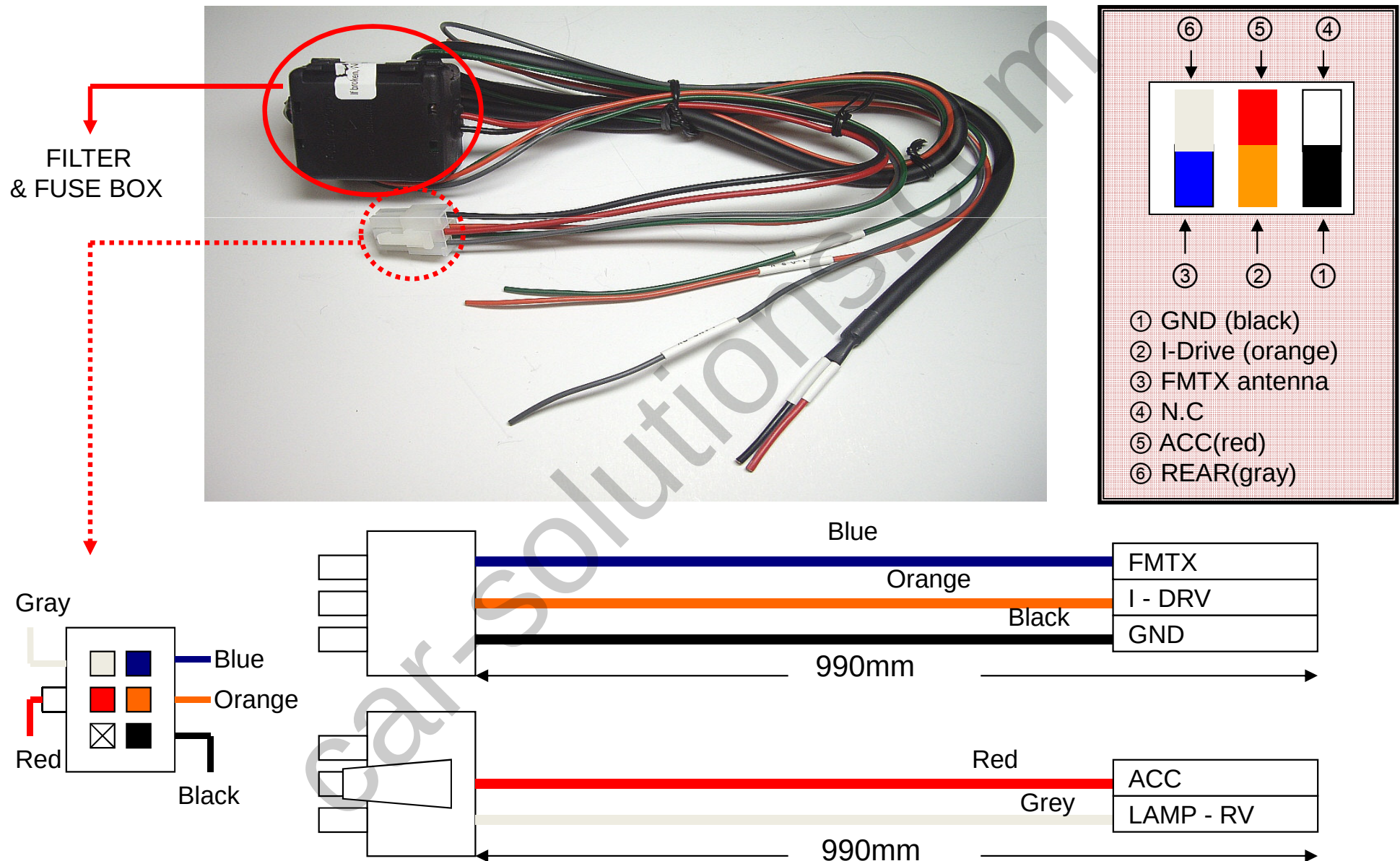
- If the displayed screen vibrates, please try to operate Dip S/W No. 6 after turning power off.

2.2 Remote controller

Buttons	Function
POWER & PIP	NOT USED
MENU	NOT USED
OK	Making a selection or Mode change
▲	Move UP – Contrast UP
▼	Move DOWN – Contrast DOWN
◀	Move LEFT – Color DOWN
▶	Move RIGHT – Color UP



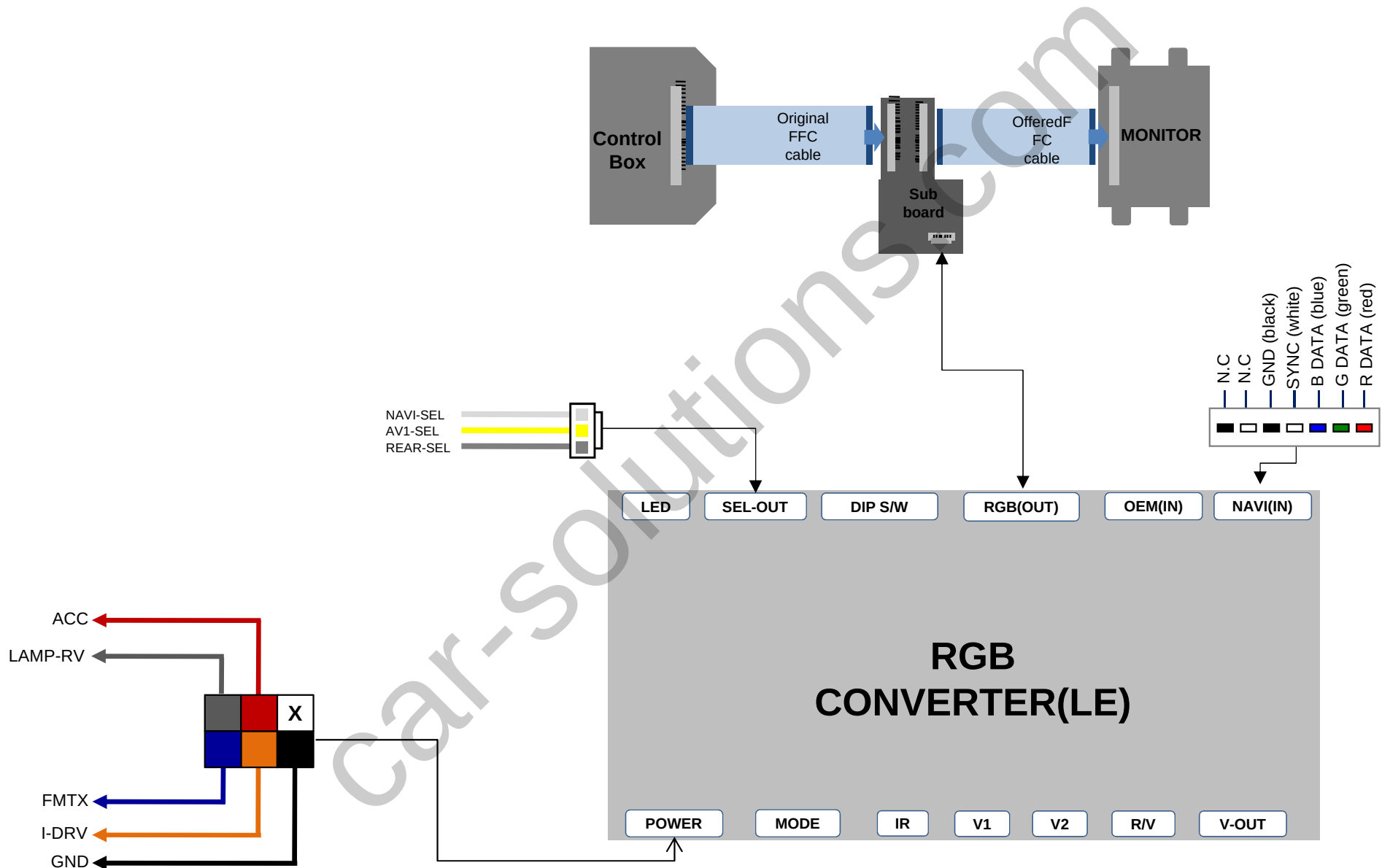
2.3 Power cable wiring diagram



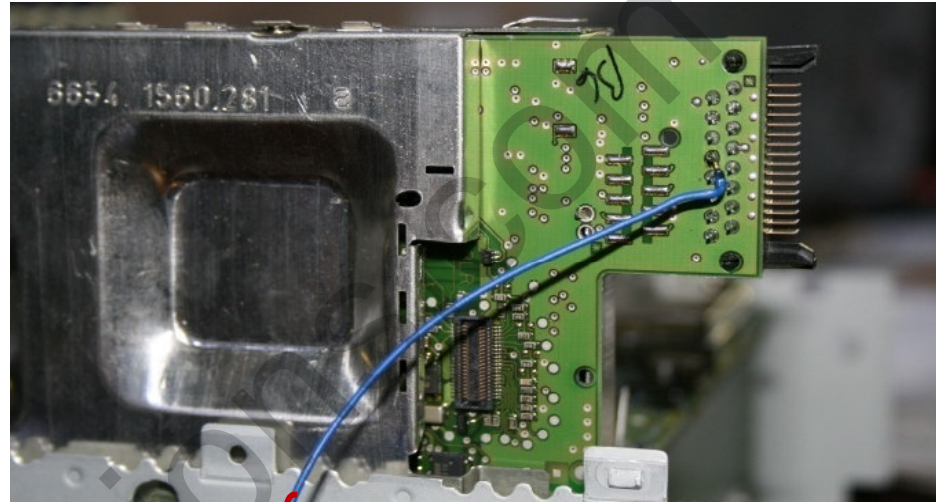
3.1 Cautions on installation

- Ignition key should be taken off before starting installation, interface power connection must be the last step in installation.
- Power cable should be separated when connecting interface.
- Should be no any electronic devices or magnetic pole around installation place.
- All steps of installation should be done by well-trained specialist.
- Dismantling without manufacturer's permission can not be guaranteed, (No permission to break attached label on the board.)
- Kindly check all parts are in the box, when receiving the product, if anything missing, inform to the supplier or manufacturer.
- According to our sales policy, any problems caused by user's mistake, careless can not be guaranteed.

3.2 Installation diagram



3.3 Soldering point



©Solder the Orange wire on Mode cable to the Head Unit as shown above.

* Soldering position: Fourth Point from the top

* Original button : NAVI

(Put the orange wire into the sixth of RGB cable)

4. Troubleshooting

Q. I can not switch A/V sources.

A. Check IR or Ground cable connection. Check LED lamps in the interface, if it is not on, check power cable.

Q. All I got on the screen is black.

A. Check second LED lamp of the interface is on, if not, check A/V sources connected are working well.
(Second lamp indicates AV sources connected works well.) Check interface connection has been done well.

Q. Displayed image color is not proper. (too dim or not suitable color)

A. Try to select "INITIAL" in OSD menu, if it does not work, inform the manufacturer.)

Q. Rear camera image does NOT appear.

A. Set DIP switch #7 in "ON"

Q. Unwanted A/V mode is displayed. (A/V source switching order : OEM->RGB->AV1->AV2->AV3)

A. Check DIP Switch Setting.

Q. OEM image is not displayed.

A. Check interface's LCD In/Out cable connection. If the status keeps on, inform the manufacturer.

Q. Screen only displays white like left picture.

A. Check LCD out cable is connected well, if this status keeps, inform the manufacturer.