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Model : RGB-LE-V3.1 / Product code : RB-100126-013

# Car Video Interface for MBenz E-Class (W211) / S-Class (W220) Japan Manual



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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)

## 5. Special Function

- Remote Key scanning function (Option – If you want to use this function, you have to purchase the remote additionally.)

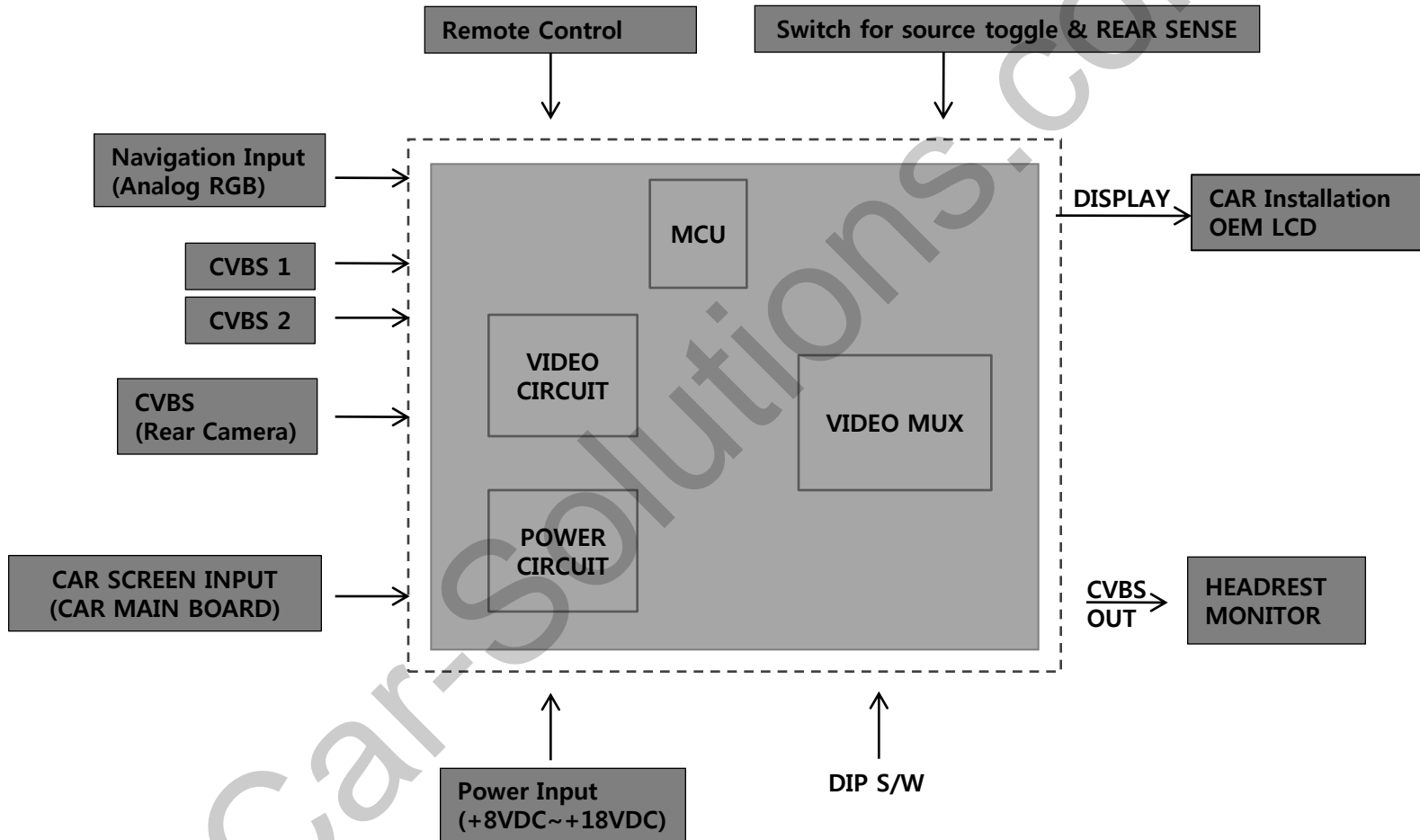
### \* How to use?

Press 4291 buttons of Remote offered, then LED lamp of interface blinks.

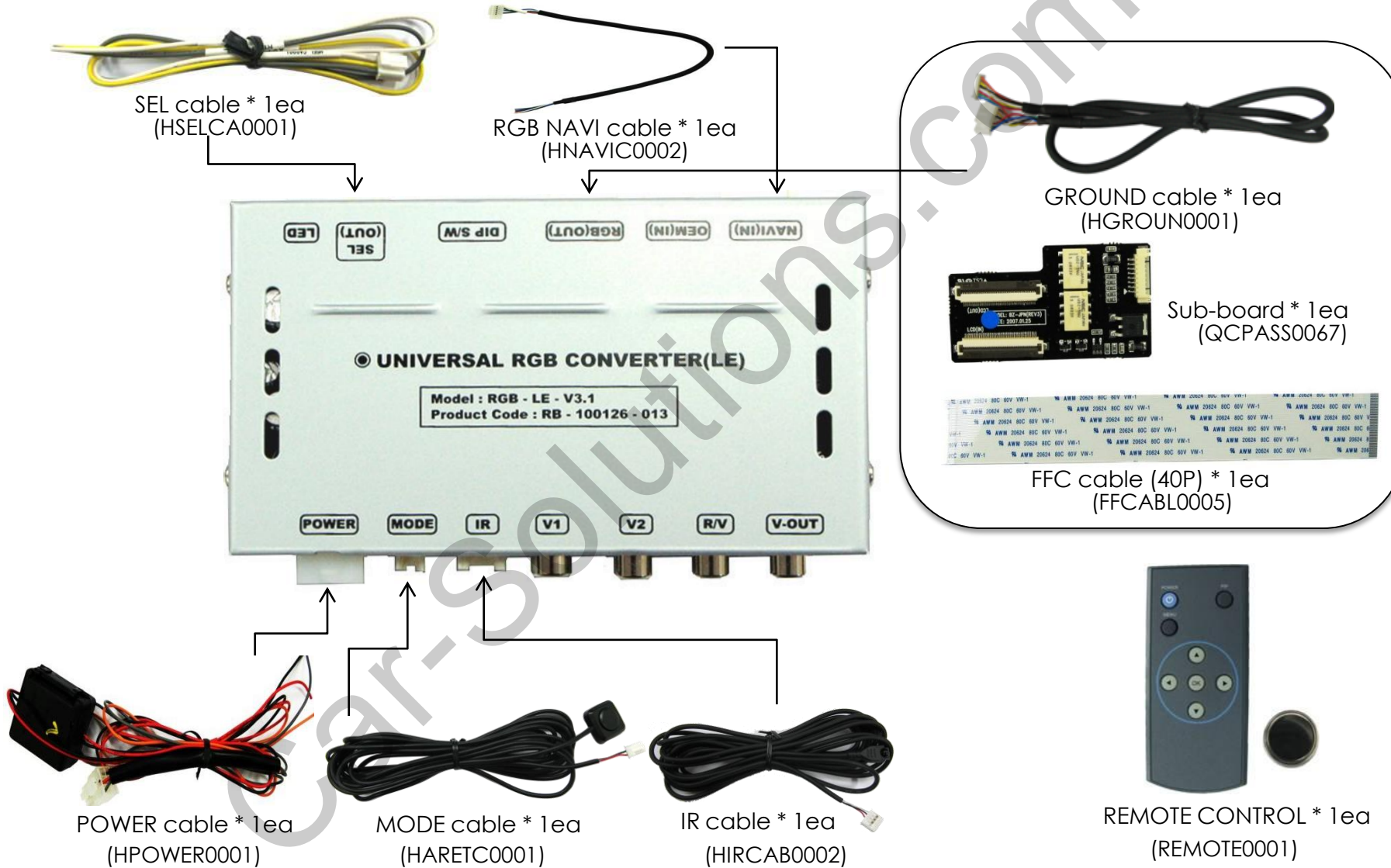
After that, press any button of A/V source remote such as Navigation, DVD etc. that you want to use.

If LED lamp of the interface blinks slowly, It means to succeed and you can use the button that you set for mode change.

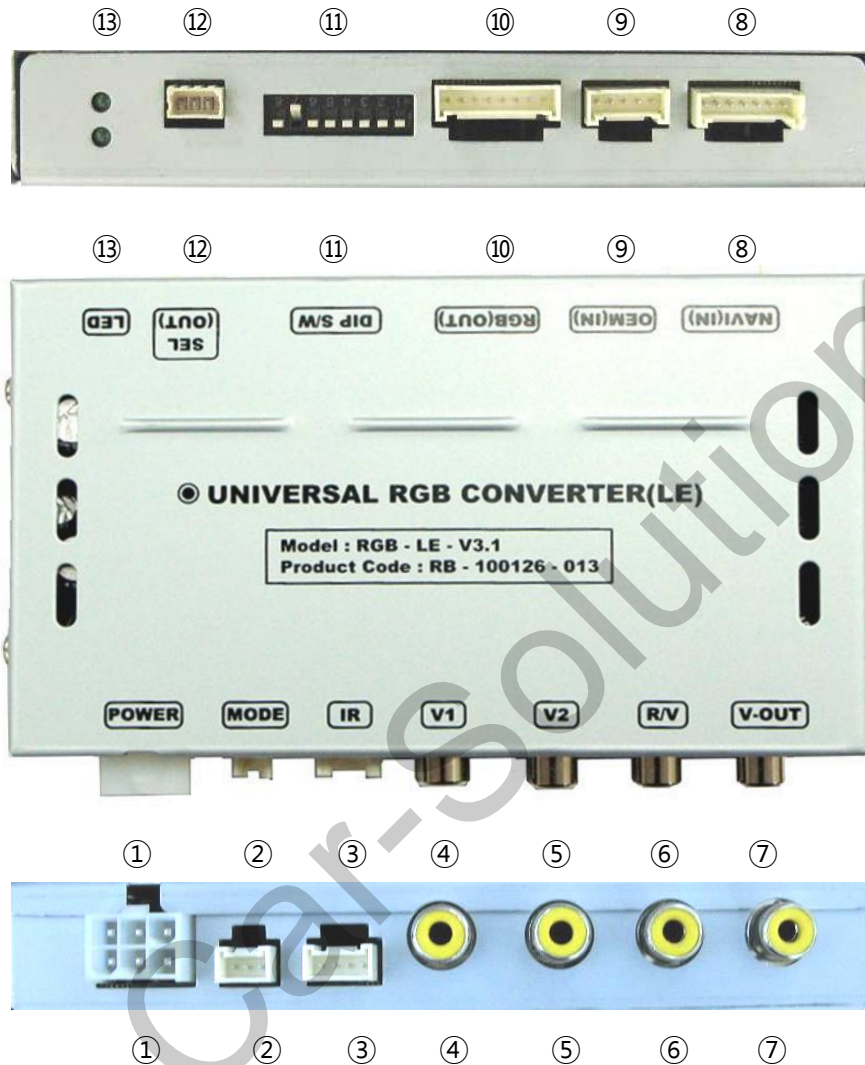
# 1.2 System Diagram



# 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

#PIN	Function	DIP S/W selection
1	RGB INPUT skip	ON : Skipping RGB Mode OFF : RGB Display
2	CVBS1 MUTE	ON : Skipping CVBS1 OFF : CVBS1 Display
3	CVBS2 MUTE	ON : Skipping CVBS2 OFF : CVBS2 Display
4	CAN	ON : When install to the Cayenne OFF : When install to all of the car
5	OEM MUTE	ON : Skipping OEM OFF : OEM Display
6	INTERLACE	ON : Non-Interlace OFF : Interlace
7	REAR MODE	ON : External Rear Camera OFF : OEM Rear Camera
8	SYNC ON GREEN	ON : Sync On Green (RGSB) OFF : Sync On Green Off

## ※DIP S/W Use Example

### [W211]

- 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 → OFF (All of the Car except Cayenne)
- ▷ 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 control

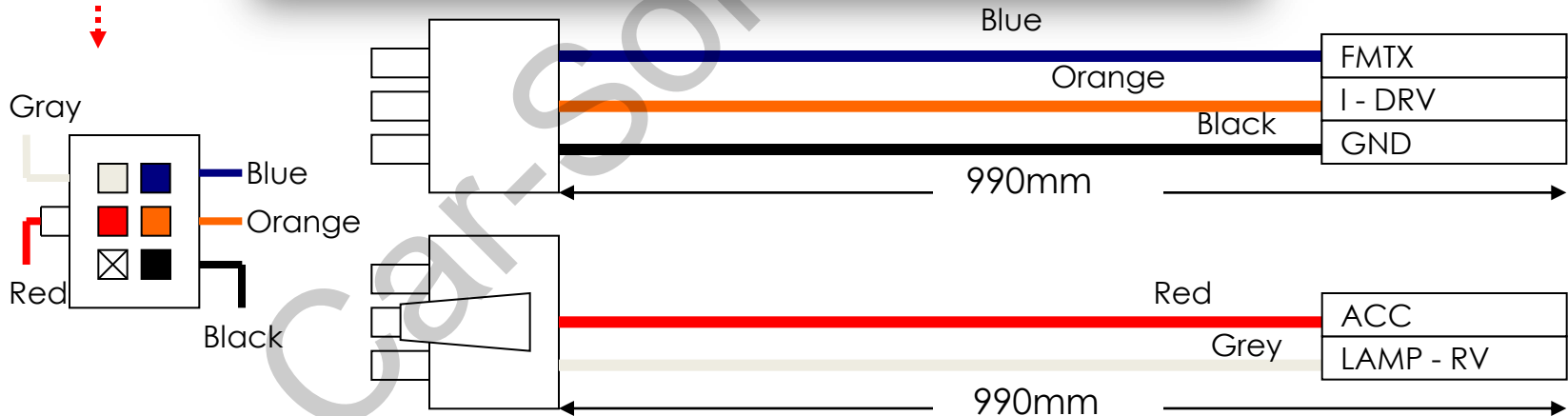
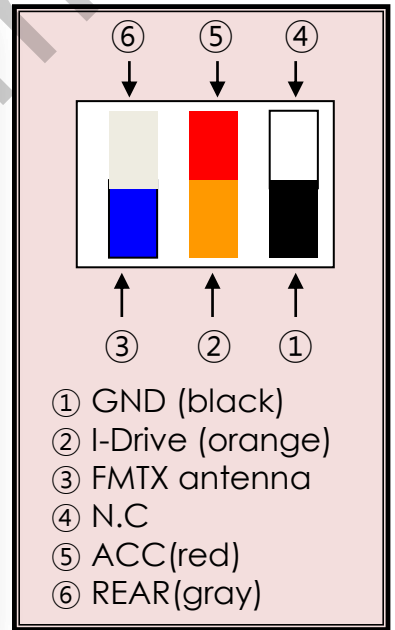
Key	Function
POWER & PIP	Not for use
MENU	OSD implementation
OK	Making a selection
▲	Move upward
▼	Move downward
◀	Move leftward, <b>press 2 seconds long-Factory mode implementation</b>
▶	Move rightward, <b>press 2 seconds long-Factory Mode implementation-Factory mode Reset</b>



SIZE : 85 \* 40 \* 8 (mm)



# 2.3 Power cable wiring diagram



# 3. 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.