

Product ID: 811226

Model : QVL-MB08Q-V7.1

Product code: MB08Q-1008-004

Video Interface for MB08 v7.1

For cars W204, W212, W221

User Manual
Installation Manual

Contents

1. Before installation

1.1 Features	3
1.2 System diagram	4
1.3 Components	5
1.4 Exterior	6

2. Setup

2.1 DIP switch	7
2.2 Remote control usage	8
2.3 Power cable	9
2.4 Setup for car model & navigation	10
2.5 Parking guide line	11
2.6.1 OSD (on screen display)	12
2.6.2 OSD (on screen display)	13
2.7 Switching Mode via CAN wire	14

3. Installation

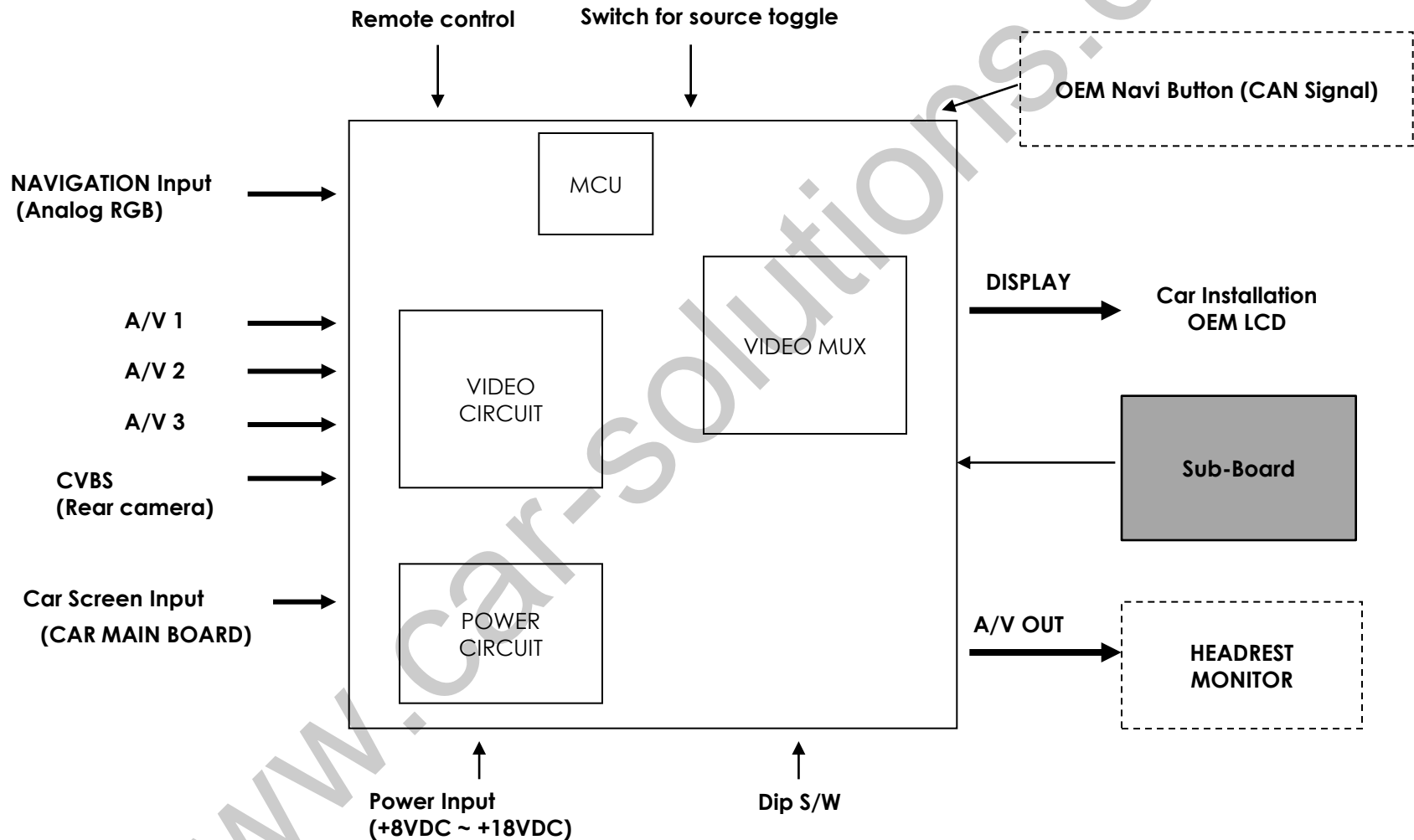
3.1 Cautions on installation	15
3.2 Installation diagram	16
3.3 Installation	17
3.4 Connection CAN wire	22

4. Troubleshooting	23
--------------------	----

1.1 Features

- More convenience to install with plug & play (LVDS cable offered)
- Able to move the displayed position of DVD, Navi
- Able to choose NAVI model
- S-Class(W221 8"), C-Class(W204 4", 7"), E-Class(W212 5.8", 7")

1.2 System diagram



1.3 Components



1.4 Exterior



Dimension

Horizontal length 153mm
Vertical length 90mm
Height 21mm

- ① POWER
- ② MODE
- ③ RGB(IN)
- ④ A/V (IN/OUT)
- ⑤ LED
- ⑥ DIP switch
- ⑦ IR
- ⑧ LCD-OUT

- SUB BOARD -



2.1 DIP switch

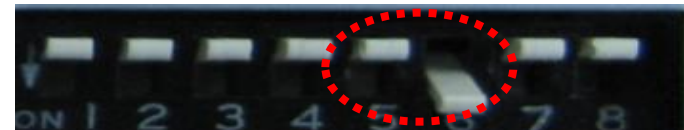
#PIN	FUNCTION	DIP S/W Selection
1	RGB INPUT MUTE	ON : Skipping RGB Mode OFF : RGB Display
2	A/V 1 MUTE	ON : Skipping A/V 1 OFF : A/V1 Display
3	A/V 2 MUTE	ON : Skipping A/V 2 OFF : A/V2 Display
4	A/V 3 MUTE	ON : Skipping A/V 3 OFF : A/V3 Display
5	Car Models	ON : NEW C-Class(W204,200,230,GLK) OFF : NEW S-Class(W221) New E-Class(W212)
6	Monitor size (NEW C-Class)	ON : 7", NEW E-Class 5,8" OFF : 5", NEW E-Class 7", NEW S-Class 8"
7	Rear Mode	ON : External Rear Camera OFF : OEM Rear Camera
8	OEM Navi Mute	ON : In case of OEM Navi installed OFF : In case of OEM Navi not installed

※ ON : DOWN / OFF : UP

<Dip S/W setting by car models and Monitor Size>



NEW E, S-Class(W212, W221) – 7", 8"
(FACTORY-UTIL-CAR MODEL-select W212(NEW-E)
(FACTORY-UTIL-CAR MODEL-select W221



E-Class(W212) – 5.8"



C-Class(W204) – 5"



C-Class(W204) – 7"

2.2 Remote control usage

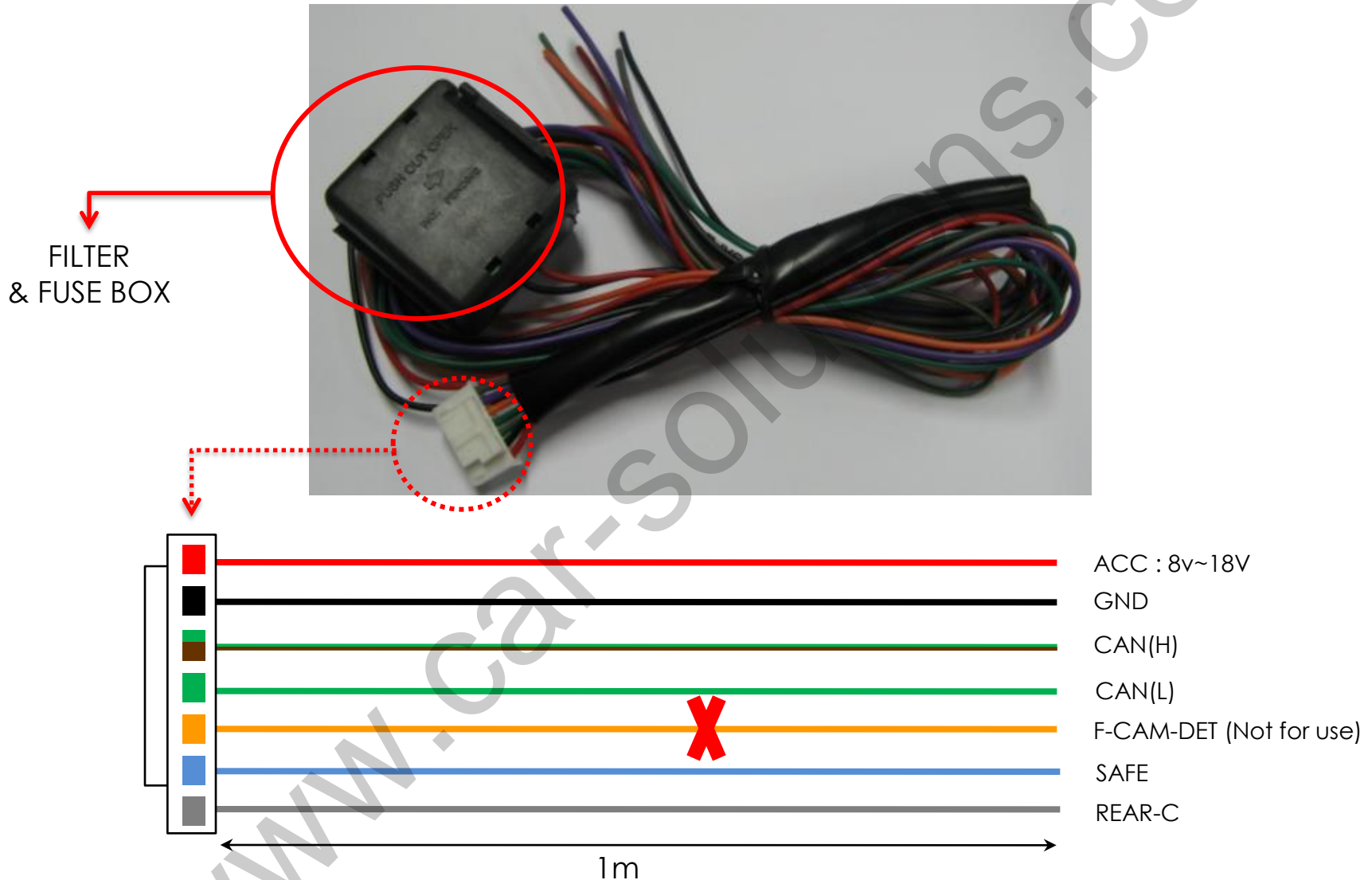
Key	Function
POWER & PIP	Unavailable
MENU	Activating OSD menu
OK	Making a selection, changing image display
▲	Moving upward
▼	Moving downward
◀	Moving leftward (If you press this button 5 seconds long, you can get access to the factory mode.)
▶	Moving rightward (If you press this button 2 seconds long, you can reset all the data about user environment.)



*FACTORY MODE (Interface setting for **installer**)

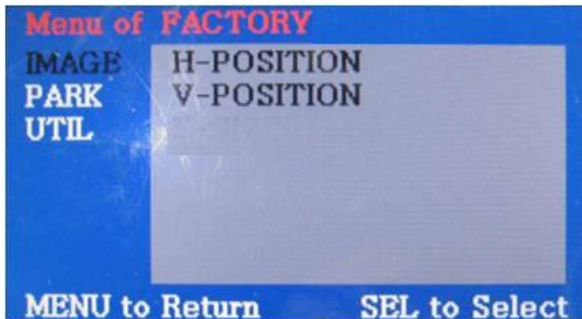
: Operated by pressing ▲ → ▼ → ▲ → MENU button or press ◀ more than 5seconds long on the remote control.

2.3 POWER CABLE



2.4 Setup for car model & navigation

FACTORY mode – Press ◀ button 5 seconds long on the remote control.



IMAGE

Adjust the position of navigation

* H-POSITION

: moving in horizontal direction

* V-POSITION

: moving in vertical direction

UTIL - NAVI MODEL

Definition of the navigation

DEFAULT : 480 x 234

MD-270A1

MD-7000(WVGA) : Mercury (800 x 480)

KD-900(WVGA) : 800 x 480

MYVI(WVGA) : 800 x 480

PONTUS(WVGA)

UTIL - CAR MODEL

Select the model of the car

W221 – S-Class(8"), C-Class(4", 7"), E-Class(5.8")

W212 (NEW-E) - NEW E-Class(7")

W221-SPLITVIEW

UTIL-JOG SHUTTLE

: Control of DVD, DTV, OSD menu ON/OFF setting.

UTIL-AVOUT SELECT

Selecting background sound while navigation is displayed on the screen

DEFAULT : default, the sound of previous image before displaying navigation

DTV : sound of DTV

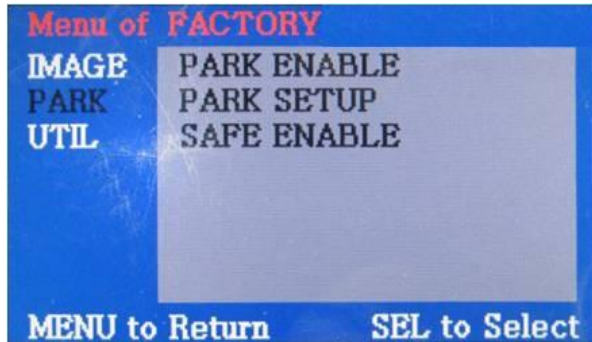
A/V : sound of A/V source

UTIL- FACTORY RESET

: Initializing of all values of OSD setting.
(Impossible to reset of screen position, only possible for functions in OSD)

2.5 Parking guide line setting

FACTORY mode – Press ◀ button 5 seconds long on the remote control.



PARK

* PARK ENABLE : Select whether to display the parking guide line or not on rear gear (default : OFF)

* PARK SETUP : Adjust the position of the parking guide line (available in PARK SETUP -> V-POSITION, H-POSITION)

* SAFE ENABLE : Setting for displays when driving.
ENABLE – OEM Picture displays
DISABLE – No displays

PARK - ENABLE

A. If you set 'PARK ENABLE' as "ON" state, there will be the rear view parking guide line. (as shown above)

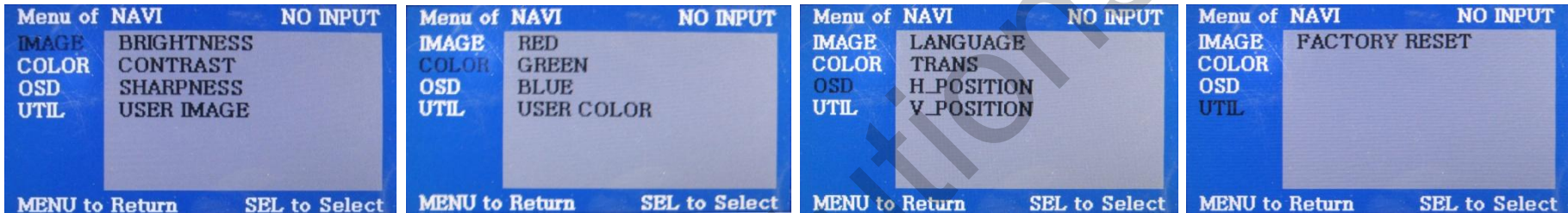
B. Press the OK button of remote control, "H_POS" will be shown on the right and control moving in horizontal direction.

PARK - ENABLE

A. Press the OK button of remote control again, "V_POS" will be shown on the right and control moving in vertical direction.

2.6.1 OSD (on screen display)

Analog RGB Mode



IMAGE

- * BRIGHTNESS
- * CONTRAST
- * SHARPNESS
- * USER IMAGE
: Selecting one among 4 color options.

COLOR

- * RED : Adjusting red
- * GREEN : Adjusting green
- * BLUE : Adjusting blue
- * USER COLOR
: Selecting a color option among set color options

OSD

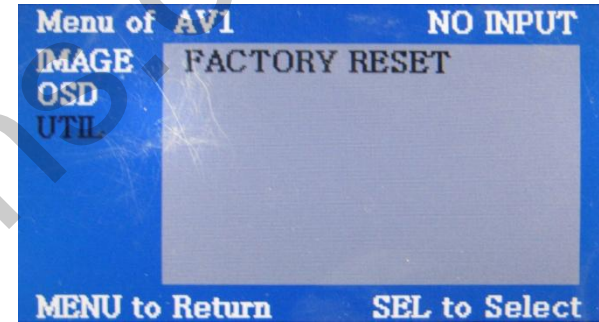
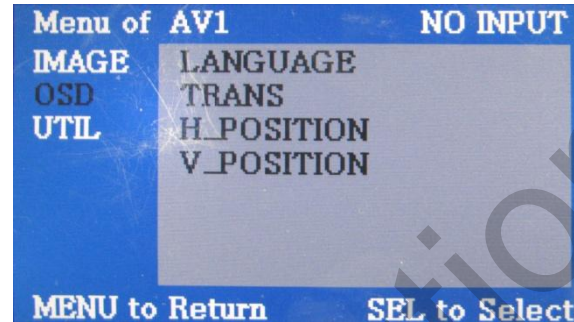
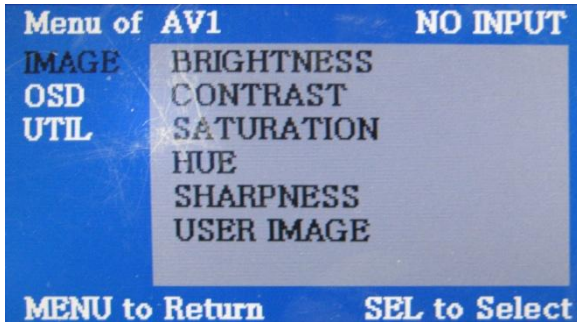
- * LANGUAGE : Choosing OSD language while using Touch OSD (English, Chinese only)
- * TRANS : Adjusting transparency of OSD
- * H_POSITION, V_POSITION : Positioning OSD menu

UTIL

- * FACTORY RESET : Resetting all the data about the relevant mode that applicable to navigation, DVD mode respectively. (Impossible to reset of screen position, only available for color, OSD setting)

2.6.2 OSD (on screen display)

Video mode



IMAGE

- * BRIGHTNESS
- * CONTRAST
- * SATURATION
- * HUE
- * SHARPNESS
- * USER IMAGE
: Selecting one among 4 color options.

OSD

- * LANGUAGE : Choosing OSD language while using Touch OSD (English, Chinese only)
- * TRANS : Adjusting transparency of OSD
- * H-POSITION
: moving in horizontal direction
- * V-POSITION
: moving in vertical direction

UTIL

- * FACTORY RESET : Resetting all the data about the relevant mode that applicable to navigation, DVD mode respectively.
(Impossible to reset of screen position, only available for color, OSD setting)

2.7 Switching mode via CAN wire

After wiring CAN of the car with offered CAN cable, you can switch A/V mode by the OEM button as below.



W221 8" (NEW S-Class) :
Switching Mode by "Navi/Tel" Button as shown left.

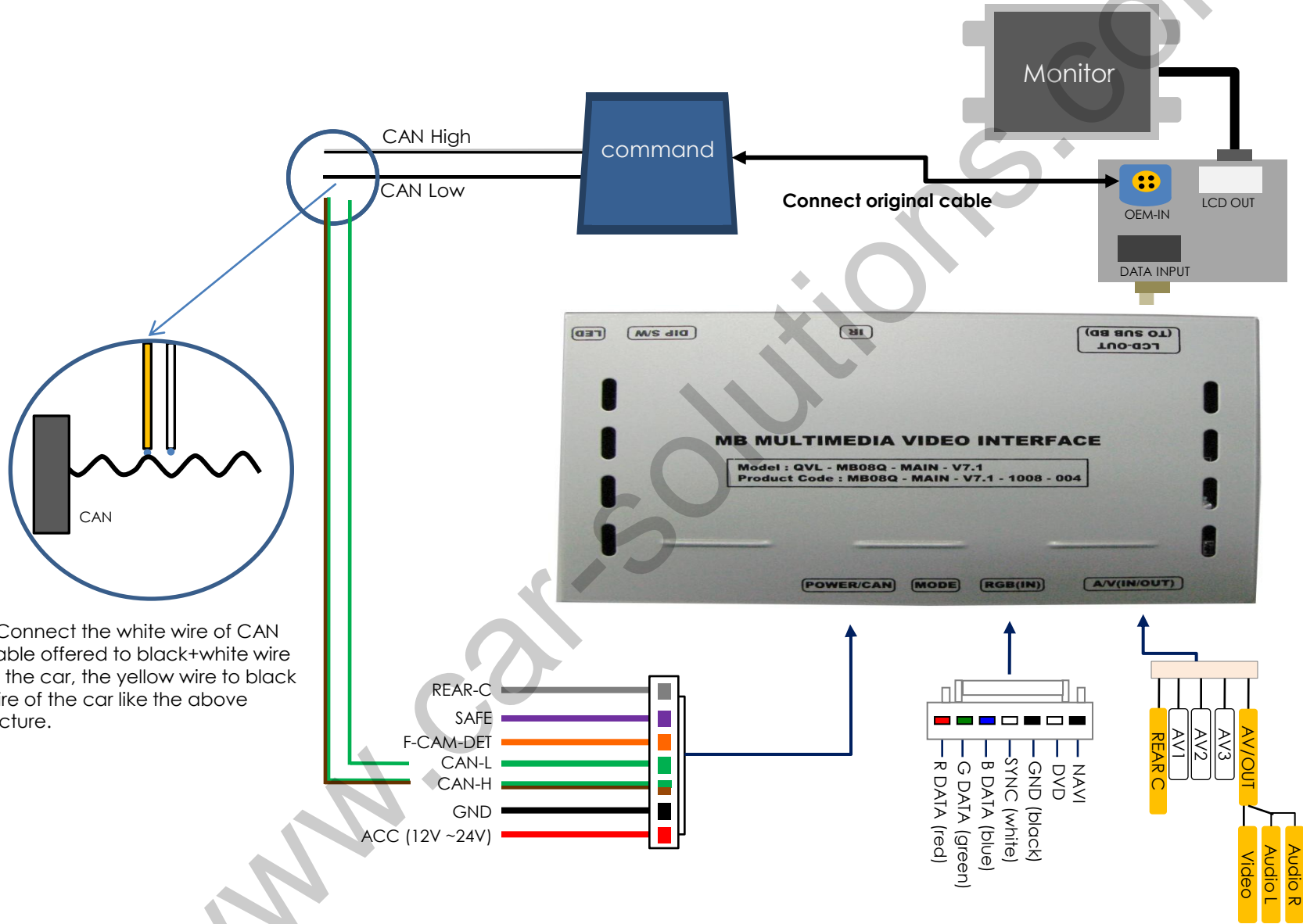


W204 7", 5" (C-Class), W212 5.8", 7" (E-Class) :

Switching Mode by Return Button of jog shuttle as shown left.

※ In W204(7 inch), the button is written "Return"

3.1 Installation diagram

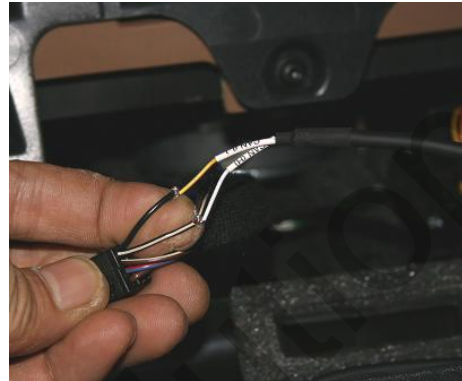


3.2 Cautions on installation

- 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.

3.3 Installation(New C-Class)

3.3.1 Monitor Disassembly, CAN Wiring & LCD In/Out Connection



① After Disassembling Air-Con Box ,Take the monitor out from the car after removing the screws. Be careful with the cable connected to the monitor.

② Wire offered CAN wires with CAN wires of the car.
(White+Black : CAN HIGH Black : CAN LOW)

③ Connect LCD Out cable coming from the car with offered LCD-In cable with right position as shown above.

④ Connect LCD-Out cable to the connector of the monitor.

3.3 Installation(New S-Class)

3.3.2 Glove Box Disassembly



① Remove the screws of driver's seat ward, passenger's seat ward on the glove box with proper tools.



② After detaching the air-con cover, remove the inside screw with a tool as shown above.



③ Get the glove box separated from the car by pulling it.

3.3 Installation(New S-Class)

3.3.3 Monitor Disassembly



① Remove the protection cover at the monitor's top with a tool.

② Remove the screw marked on the left picture, pull the left part out from the monitor as shown right picture.

③ Disassemble the monitor with removing screws as shown above.

3.3 Installation(New S-Class)

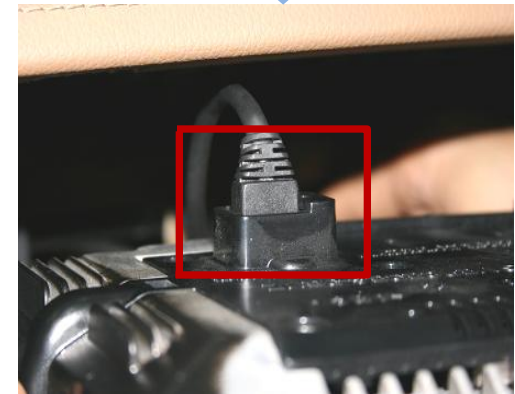
3.3.4 Cup Holder Disassembly



- ① Remove the cup holder with screws. ② Removed the parts marked on the above picture from the car.

3.3 Installation(New S-Class)

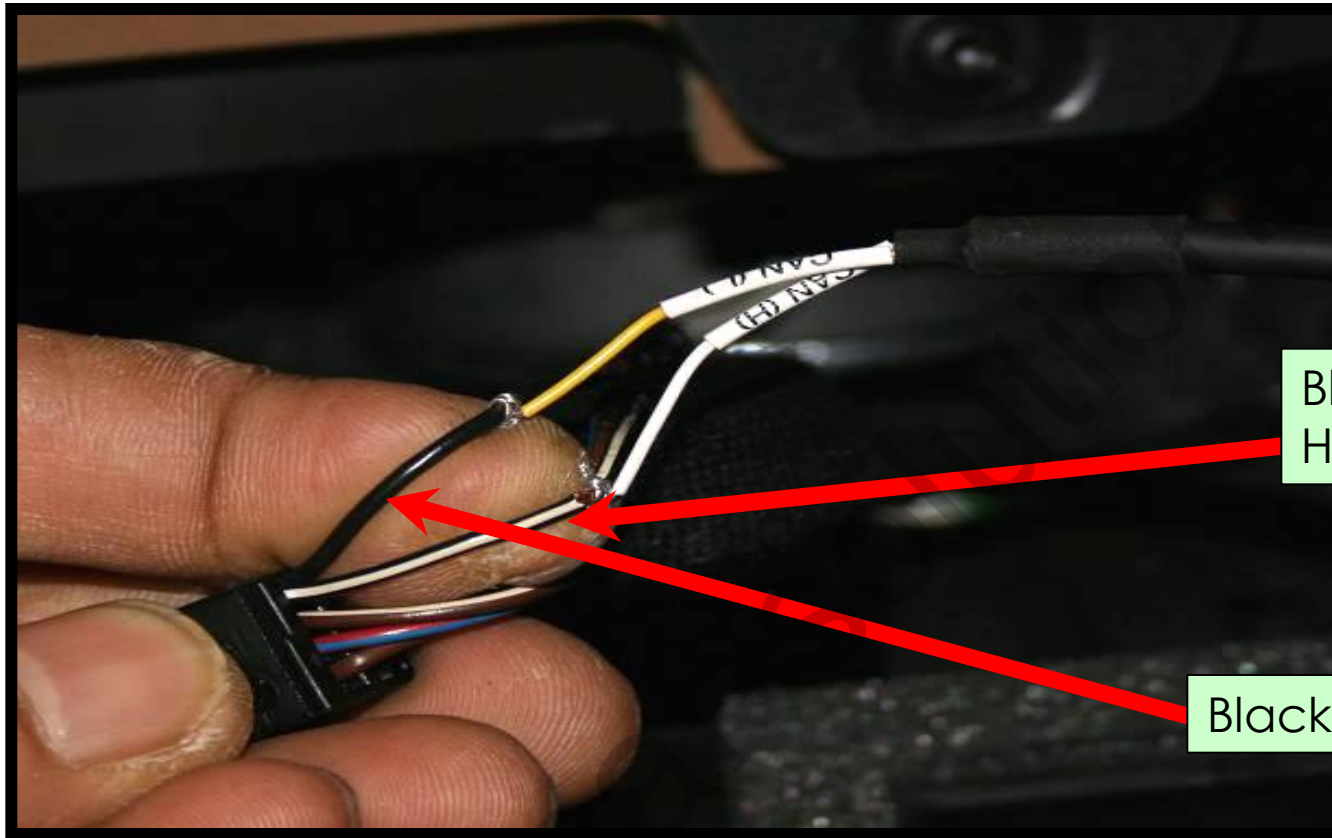
3.3.5 HEAD UNIT Disassembly (DVD Controller Box), Can / LCD IN, OUT Connection



① Remove the screws and take Head unit out from inside.

- ② Connect the offered CAN wires with CAN wires of the car (White+Black : CAN HIGH Black : CAN LOW)
- ③ Connect LCD Out cable coming from the car with LCD-In cable offered with right position as shown above.
- ④ Connect LCD-Out cable to the connector of the monitor.

3.4 Connection CAN wire



Black+White : CAN HIGH(White)

Black : CAN LOW(Yellow)

- Connect the white wire of the offered CAN cable to black+white wire of the car and the yellow wire to black wire of the car as shown above.
- You should connect the original CAN wire which is behind the monitor.
- * The color of CAN wires coming from the car can be different by each countries that the car import or any other circumstances.

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 to manufacturer.)

Q. I can watch the rear camera on the screen

A. Set the DIP switch #7 as state "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 to manufacturer.

Q. Screen only displays white color.

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

Q. After setting PIP function, I got only half OEM image at the right in the screen.

A. This is not an error, just caused by user's setting mistake, user should set to "Split Screen" in the OEM menu.

Q. Rear CAM does not appear, when car is in reverse after CAN wiring.

A. Operate "FACTORY MODE" like left picture, then select "UTIL → Rear Select" If it is set as "LAMP", change it to "CAN" by remote control or keypad.

※ LAMP : In case of connecting "Rear-C" wire of Power Cable to Rear Lamp in vehicle.

CAN : In case of detecting Rear Cam thru CAN signal. (CAN must be wired)

Q. After moving gear to "P" or "D" from "Reverse", I can't get navigation, but half PDC Image in the screen.

A. Once, you starts driving, the screen displays navigation right away, this is not an system error.