

# Installation Manual

HDMI Interface for 2018 S CLASS

car-solutions.com

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# • Specification

**Compatibility:** E CLASS W213 2016~ (NTG5.5)  
S CLASS W222 2018~ (NTG5.5)

**Components:** Interface Main\*1

## **Interface Input / Output specification:**

**Input:** HDMI\* 1  
Analog RGB\* 1  
A/V\* 2  
CVBS(Front Camera)\*1  
CVBS(Rear Camera)\*1

**Output:** To LCD\*1

## **Power Spec:**

**Input Power:** 8VDC ~ 18VDC

**Consumption:** 5WATT

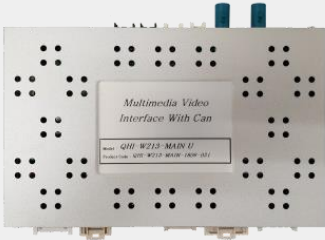
## **Switch input mode:**

1. External video sources skip function: Able to control input videos on and off via Dip switches
2. Able to switch videos via the remote and button switch
3. Able to detect the rear view camera by CAN

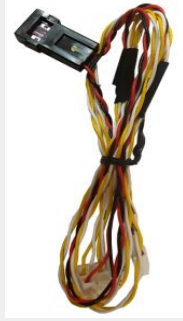
# • Features

1. High-resolution display through HDMI input
2. Control EXT devices(DVD/DTV) via Multi Media Touch GUI
3. Adjustable screen position of external device
4. Improved Screen Display(user-oriented interface)
5. Mode switching with OEM button
6. Power output for rear camera drive
7. Dynamic PAS(parking assistance system)

# • Components



MAIN BOARD  
*QCPASS1262*



POWER CABLE  
*HPOWER0177*



CAN J BY J  
*HARETC0091*



AV CABLE  
*HAVCAB0056*



MULTI CABLE  
*HARETC0240*



RGB CABLE  
*HRGBCA0013*



CAP TS CABLE  
*HTOUCH0028*



EXTENSION CABLE  
*HAGPSC0003*



UART CABLE  
*HTOUCH0031*



TOUCH CABLE  
*HTOUCH0009*



BUTTON CABLE  
*HARETC0001*



IR CABLE  
*HIRCAB0002*



REAR CABLE  
*HARETC0002*



REMOTE CONTROL  
*REMOTE0001*

# DIP Switch Setting



※ ON : DOWN / OFF : UP

PIN	FUNCTION	Dip S/W SELECT
1	RGB	OFF : RGB MODE ON : RGB MODE SKIP
2	HDMI	OFF : HDMI MODE ON : HDMI MODE SKIP
3	AV1	OFF : AV1 MODE ON : AV1 MODE SKIP
4	AV2	OFF : AV2 MODE ON : AV2 MODE SKIP
5	FRONT CAMERA	OFF : EXT FRONT CAMERA ON : OEM FRONT CAMERA
6	CAR MODEL	OFF : 1290*720 (12.3") ON : 960*540 (8.4") / New C class(7")
7	REAR CAMERA	OFF : OEM REAR CAMERA ON : EXT REAR CAMERA
8		N/C

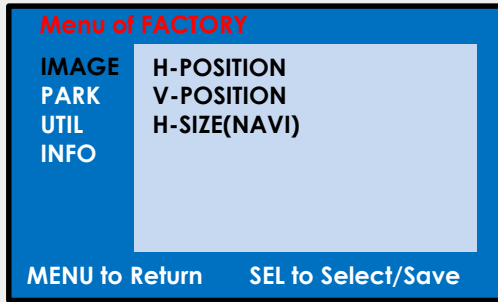
※ Please make sure to disconnect the power cable of the interface and reconnect the power cable again to apply the dip switch setting whenever changing DIP switch.

# Remote Control Setting



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

# • Factory Setting

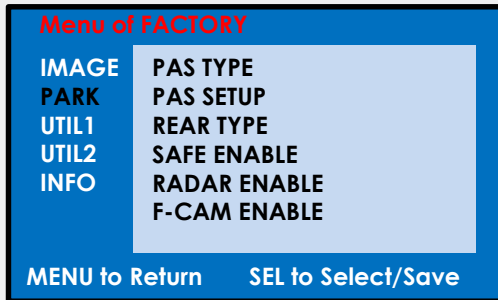


**Adjust the screen position of the current mode.**

H-POSITION: Move the screen left and right.

V-POSITION: Move the screen up and down.

H-SIZE (NAVI): Adjust the left and right size of navigation.



**Change the settings of the rear camera.**

PAS TYPE: Select parking line type.

- NOT USED: Do not use parking line
- PAS ON: Use Flexible Parking Lines
- PAS OFF: Use fixed parking line

PAS SETUP: You can move the position of parking line.

REAR TYPE : Choose rear camera recognition.

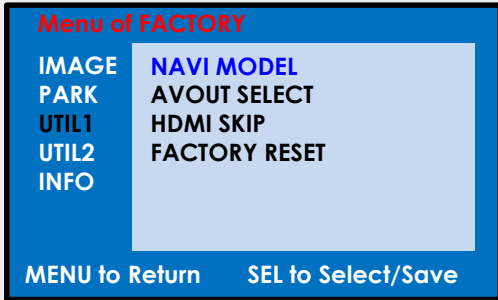
- CAN : By connecting to "CAN" cable of the car gear, changing to rear camera mode when shifting into reverse. (Connect "CAN" cable of the power cable to the "CAN" cable of the car gear)
- LAMP : By connecting to the rear lamp of the car, switch to rear camera mode when shifting into rear. (Connect "Rear-C" cable of the power cable to the rear lamp of the car)

SAFE ENABLE : If it is enable, HDMI, RGB, and A/V mode doesn't show up while driving. (Default : OFF)

RADAR ENABLE: Set the parking distance alarm sensor to ON/OFF.

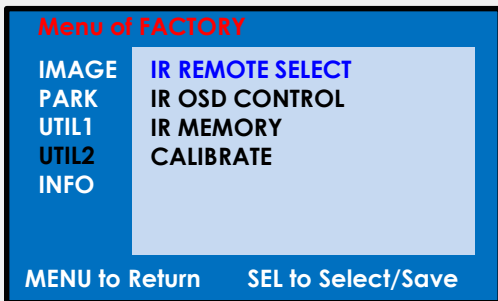
F-CAM ENABL: Front camera operation time adjustment

# • Factory Setting



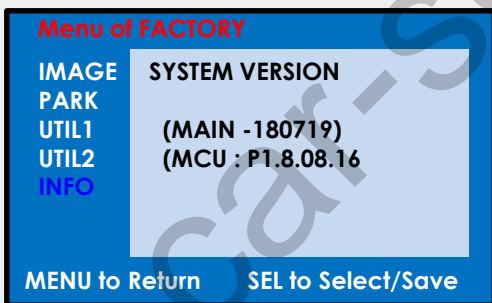
## UTIL1 Setting

- NAVI MODEL: RGB navigation setting  
(Default, Q-roi RGB, WP9230, HDMI(WVGA))
- AVOUT SELECT: Select audio channel transmitted through AUX (HDMI, AV)
- HDMI SKIP: HDMI skip setting
- FACTORY RESET: Factory mode reset



## Other options setting

- IR REMOTE SELECT: Select model to control the DVD and DTV device
- IR OSD CONTROL YES / NO
- IR MEMORY: Register remote memory of DTV, DVD
- CALIBRATE



## System version information

# • OEM buttons

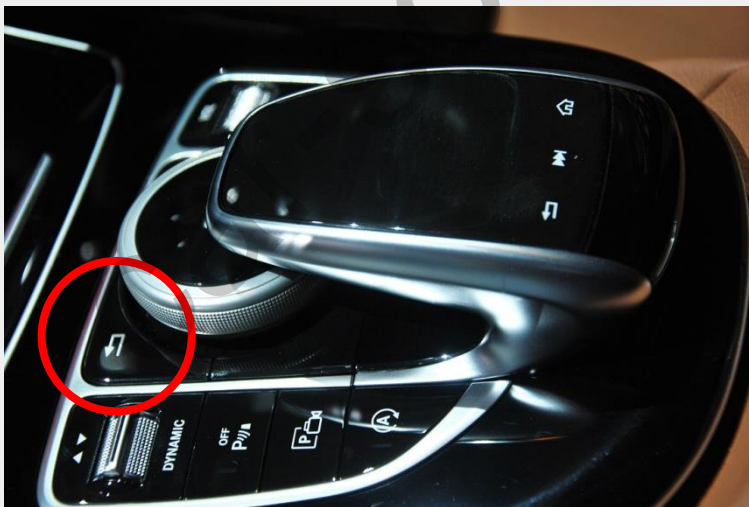
※ Able to switch the modes or activate the function



※BACK(HOME) button on the wheel :  
Long press : Switch mode  
Short press : Back to OEM mode



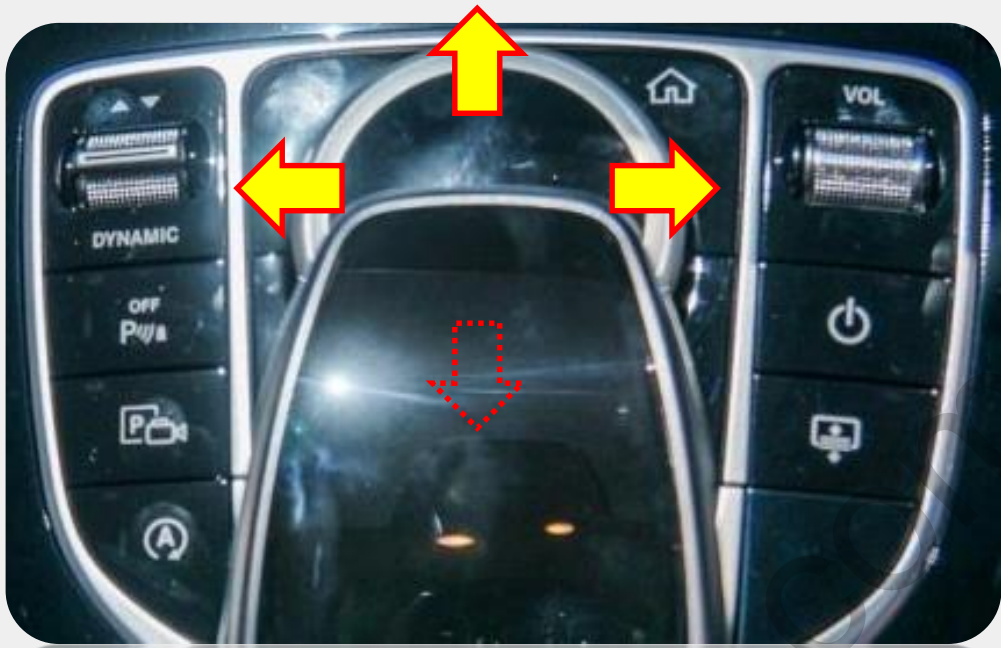
※ NAVI button  
Long press : Switch mode  
Short press: Back to OEM mode



※ BACK button  
Long press: Switch mode  
Short press: Back to OEM mode



# • OEM buttons



## 1. Image size setting

Monitor	Joy shuttle Direction	Mode	Pushing Joy shuttle	Mode
12.3inch	←	Rear, Front Camera mode	Short	Full Screen → OEM CAM+AFTERMARKET CAM
8inch	↓	Rear, Front Camera mode	Short	Full Screen → OEM CAM+AFTERMARKET CAM

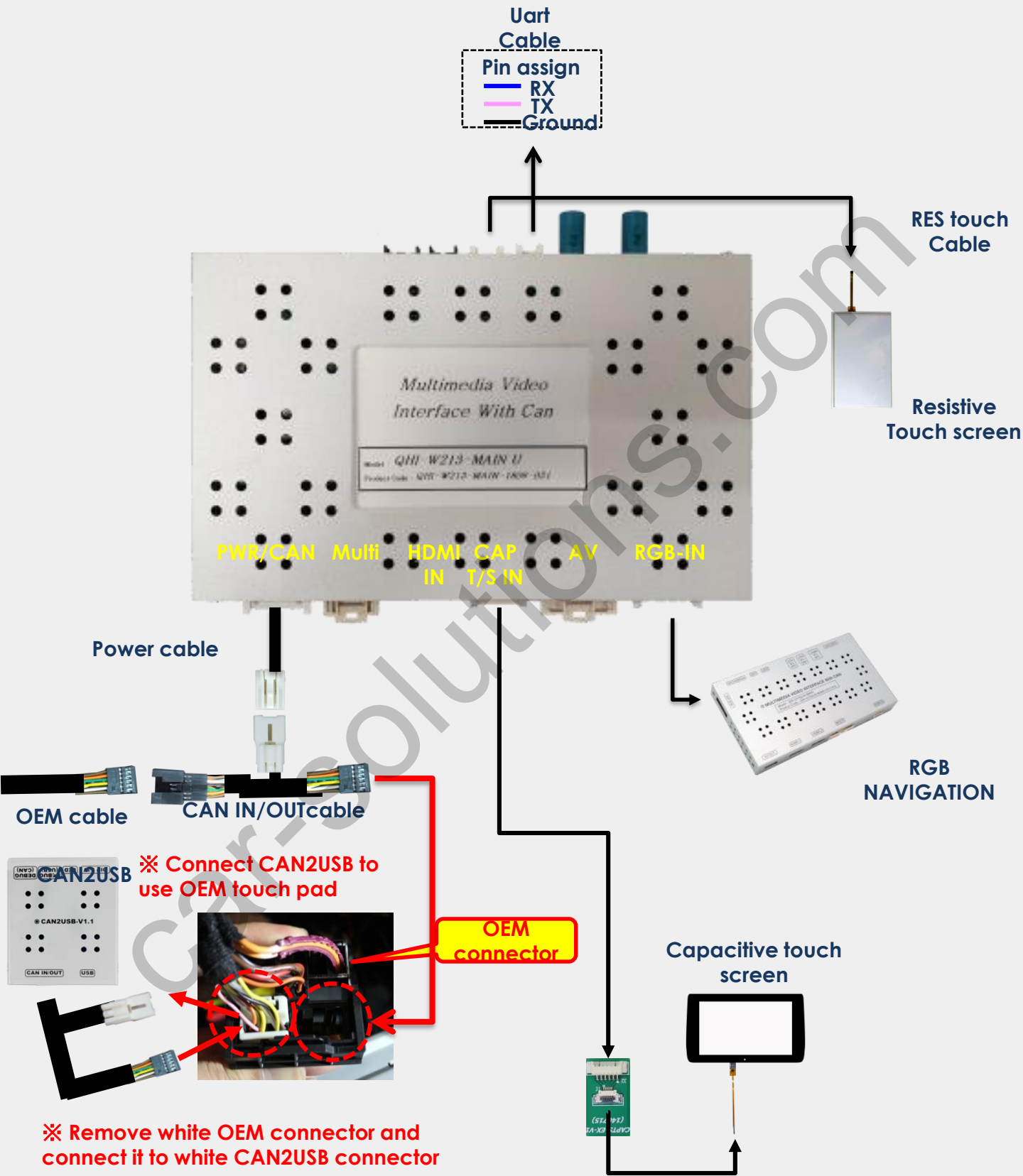
## 2. DVD, DTV OSD control

( OSD control remote will appear if the joy shuttle is moved to the left for a short time in DVD, DTV mode)

Monitor	Direction	Mode	Pushing Joy shuttle	Movement
12.3inch/ 8inch	↑ ↓ ← →	DVD DTV	Short	UP,DOWN,LEFT,RIGHT
	←		Long	Select

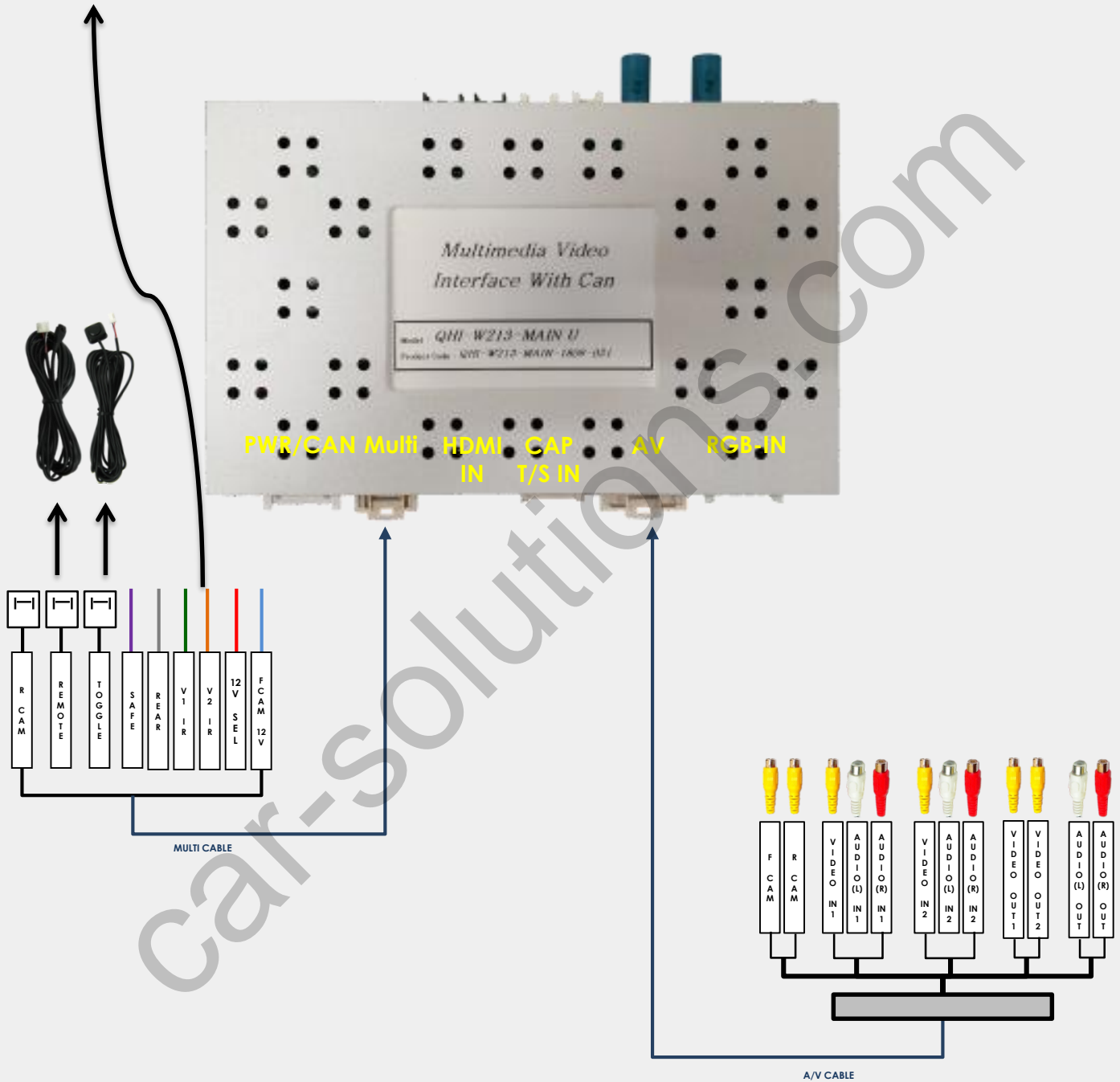


# Installation Diagram -1

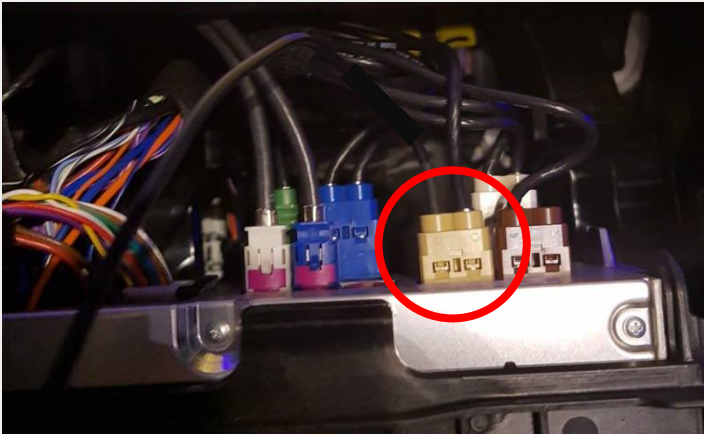


# • Installation Diagram -2

\* Please use V2 IR for DTV IR connection



# • LVDS IN/OUT connection

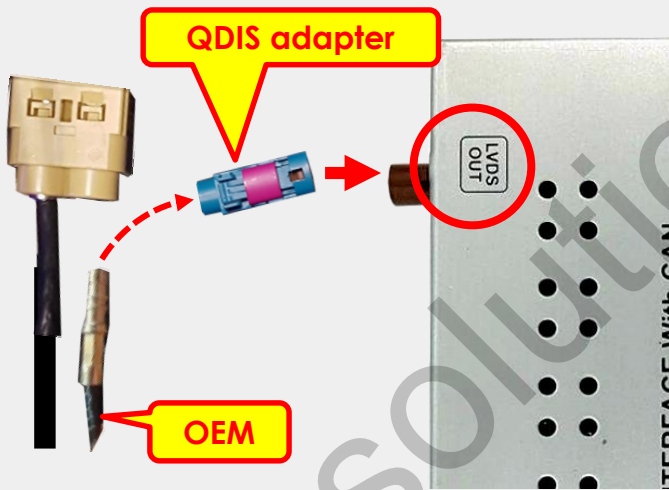


Find the beige color connector behind the command

← 12.3inch monitor command

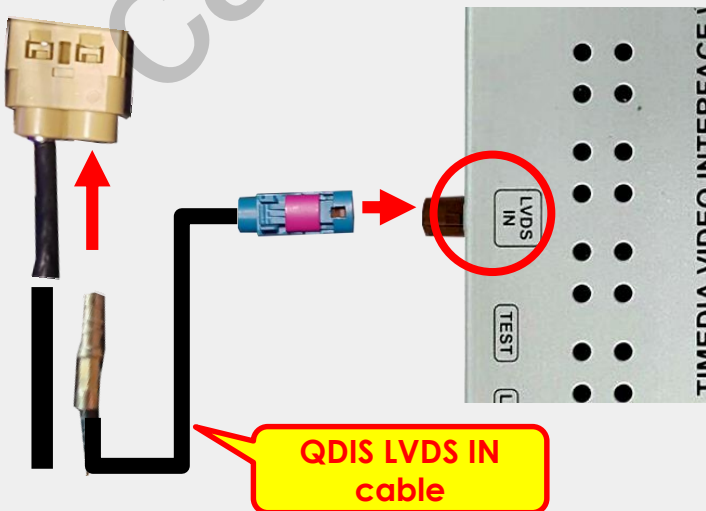
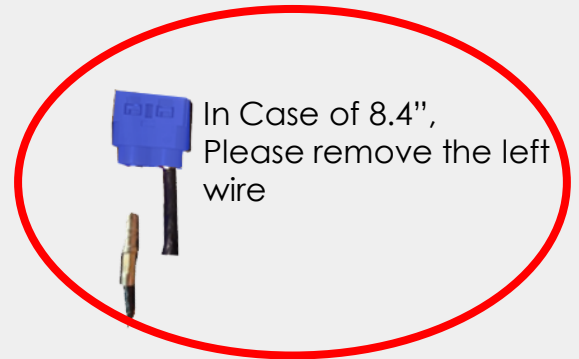


↑  
8.4inch monitor command



Remove the right wire from the beige color connector and connect it to QDIS adapter

Then, connect QDIS adapter to LVDS out of the interface



Connect the supplied LVDS IN wire to the right side of beige color connector.

Then, another side of connector shall be connected to the LVDS IN of the interface



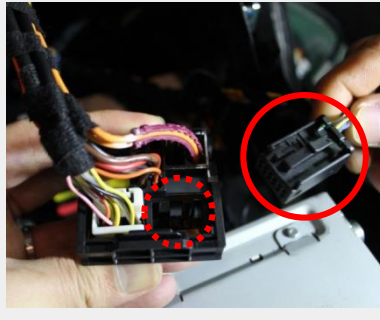
# • CAN Connection

## ※ CAN IN/OUT connection

- Find a bunch of wires from the command behind the monitor as shown below



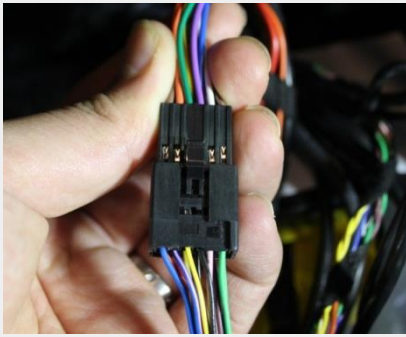
Find a bunch of cables from the command behind



Remove the black connector marked with a red circle



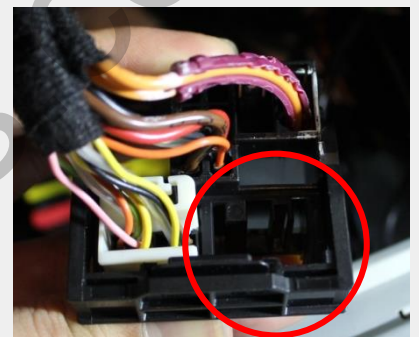
Take away the black connector cover



Connect the OEM connector to the supplied CAN IN/OUT

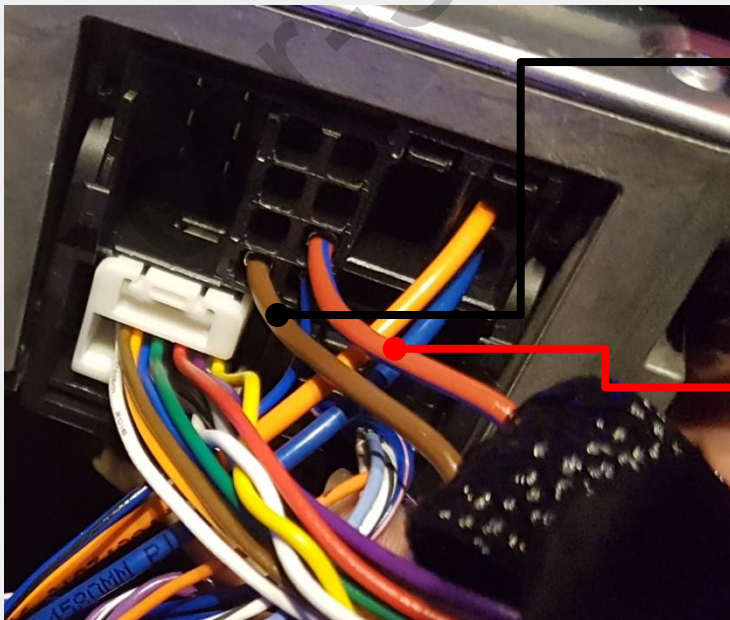


Put the black connector cover onto the supplied CAN IN/OUT cable



Reconnect the supplied cable where the black connector was removed.

# • B+ / GND connection



GROUND

※ Connect the black ground wire of the supplied power cable to the brown OEM wire

B+

※ Connect the red B+ wire of the supplied power cable to the orange/blue OEM wire

# • Trouble shooting

## **Q. I cannot change mode**

A. Check connection of Ground cable and IR Cable. Check LED lamp is on, if not check connection of 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 dark or unsuitable color)**

A. Press ► button on the remote control for 2 seconds and check how it goes, if it does not work, inform to manufacturer.

## **Q. I cannot watch the rear camera on the screen**

A. Set the DIP switch #7 as state "ON".

## **Q. Set mode not appear**

A. Check DIP Switch.

## **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. If no image is shown on screen after connecting CAN wire with Park gear.**

A. Go on the "FACTORY MODE", check "UTIL-Rear Select". If "LAMP", change the setting as "CAN" with the remote control. (※ when connecting Rear-C wire of LAMP power cable to Backup lights, Setting should be like this / CAN : if controlling rear camera with CAN wire)