

# Installation Manual

HDMI Interface for 2016 AUDI Q7

Model : QHI-LVIX-AUDI16(Q7)



# • Specification

**Car Compatibility** : 2016 AUDI Q7

**Components** : Interface\* 1ea, Sub-board\*1ea

## **Multimedia interface Input/output spec**

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

## **Power spec**

Input power : 8VDC ~ 18VDC  
Consumption : 5WATT

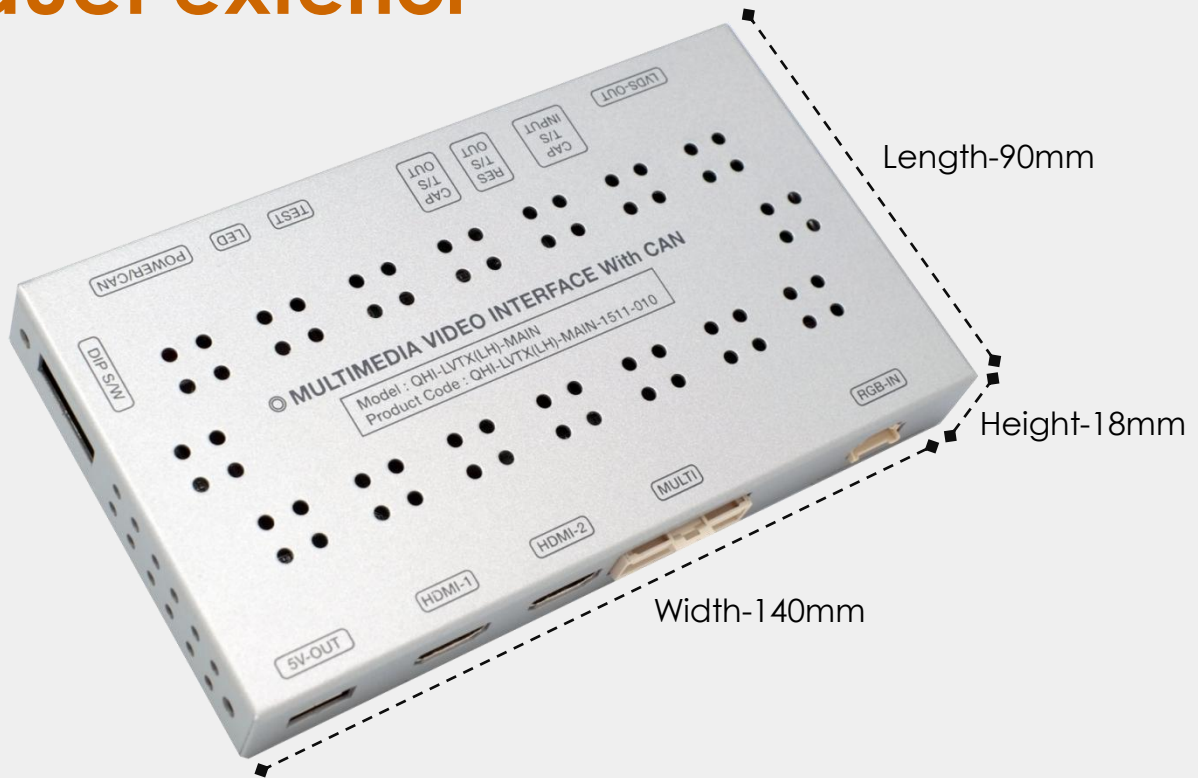
## **Switch input mode**

- External video sources skip function : able to control input videos on and off via DIP switches.
- Able to switch videos via the remote, button switch, and original buttons.
- Able to detect the rear view camera (back up camera) via Lamp or CAN.

# • Features

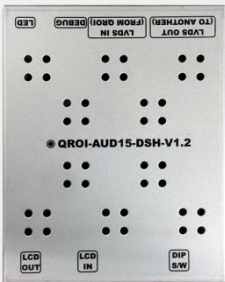
- Able to output high resolution video via HDMI input
- Control external videos sources (DVD, DTV) via Multi Media Touch
- Adjust external videos screen position
- Check the improved Screen Display (User Friendly Interface)
- Switch modes via original OEM button
- Supply power to connect rear view camera (Back up camera)
- Assist your parking via Dynamic PAS(Parking Assistance System) moving parking line according movement of steering wheel

# • Product exterior



5V-OUT(Power supply for Mirroring device) | HDMI-1 | HDMI-2 | MULTI | RGB-IN(RGB Navigation Input)  
 LVDS-OUT(Connection to Sub-board) | CAP T/S INPUT(Original touch cable connection) | RES T/S  
 OUT(NOT FOR USE) | CAP T/S OUT(Provided touch cable connection) | TEST(NOT FOR USE) | LED  
 | POWER/CAN(Power/ CAN connection) | DIP S/W(DIP switch setting)

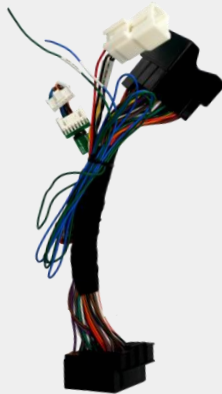
# • Components



서브보드 \* 1ea  
(QCPASS0701)



7P POWER \* 1ea  
(HPOWER0104)



JACK BY JACK \* 1ea  
(HPOWER0102)



MULTI \* 1ea  
(HAVCAB0038)



RGB \* 1ea  
(HRGBCA0018)



LVDS \* 1ea  
(HLVDSC0028)



LCD \* 1ea  
(HLCDCA0015)



BUTTON \* 1ea  
(HARETC0001)



IR \* 1ea  
(HIRCAB0002)



리모콘 \* 1ea  
(REMOTE0001)

# • DIP SWITCH



※ ON : DOWN / OFF : UP

PIN	FUNCTION	Dip S/W SETTING
1	RGB INPUT MUTE	OFF : RGB DISPLAY ON : Skipping RGB Mode
2	HDMI1 MODE MUTE	OFF : HDMI1 DISPALY ON : Skipping HDMI1 Mode
3	AV MODE MUTE	OFF : AV DISPLAY ON : Skipping AV Mode
4	FRONT CAM MUTE	OFF : Front camera function on ON : Front camera function off
5	NO USE (OFF)	
6	MONITOR SETTING	OFF : Default
7	REAR MODE	OFF : OEM Rear Camera ON : External Rear Camera
8	NO USE (OFF)	

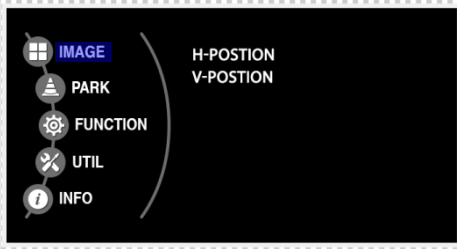
※ Please make sure to disconnect the power cable of the interface and reconnect the power cable again to apply the dip switch setting whenever changing DIP switch. Otherwise, DIP switch setting will not be applied.

# • REMOTE CONTROL SETTING



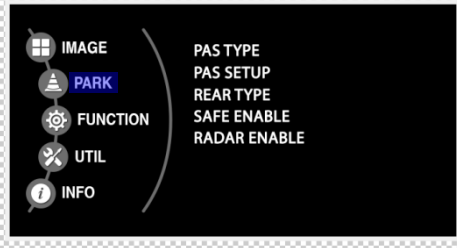
KEY	FUNCTION
POWER & PIP	NO USE
MENU	Activating FACTORY MENU
OK	Making a selection, changing image display
▲	Moving upward
▼	Moving downward
◀	Moving leftward (If you press this button 2 seconds long, you can access the factory mode.)
▶	Moving rightward (If you press this button 2 seconds long, you can reset all the data about user environment.)

# • Factory setting



## Adjust a current screen position and size.

H-POSITION : Move display horizontally  
V-POSITION : Move display vertically

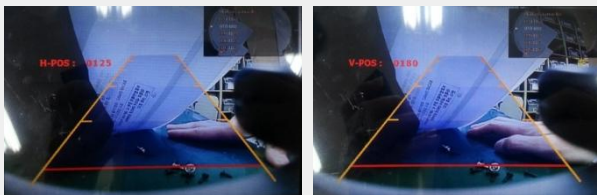


## Adjust rear view camera setting.

PAS TYPE : Select type of parking guide line

- NOT USED : No use parking guide line
- PAS ON : Selecting Dynamic parking guide line
- PAS OFF : Selecting fixed parking guide line

PAS SETUP : Adjusting the position of the parking guide line



<H-POSITION>

<V-POSITION>

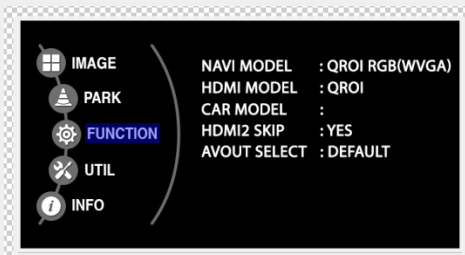
REAR TYPE : Choose rear camera recognition.

- 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 : No use

# • Factory setting



## Navigation & Car model setting up

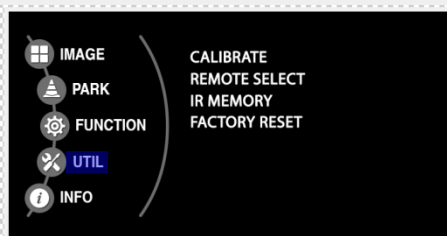
**NAVI MODEL** : Setting up RGB Navigation. (Default, Q-roi RGB, WP9230, HDMI(WVGA))

**HDMI MODEL** : Setting up HDMI1 Navigation. (Q-roi RGB, WP9230)

**CAR MODEL** : Selecting the model of car.

**HDMI2 SKIP** : Skipping HDMI mode when switching modes.

**AVOUT SELECT** : Selecting background sound through car AUX. HDMI1, HDMI2, AV)



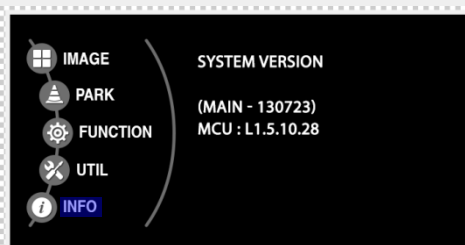
## Other options setting up

**CALIBRATE** : Able to calibrate touch screen

**REMOTE SELECT** : Able to use remote control on DVD, DTV by selecting "User" after IR memory registered. (Default, User)

**IR MEMORY** : Registering IR memory (Remote control values) of DTV, DVD.

**FACTORY RESET** : Factory mode reset.



## System version information



# • How to use OEM buttons



※ Able to switch modes via NAV button of MMI.

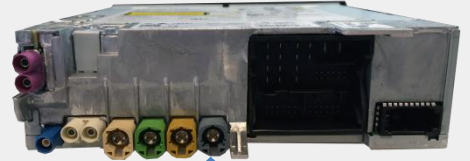
\* Long press : Switching modes

(RGB→HDMI1→HDMI2→A/V→OEM Mode)

\* Short press : Switching to OEM Mode.

# Installation Diagram

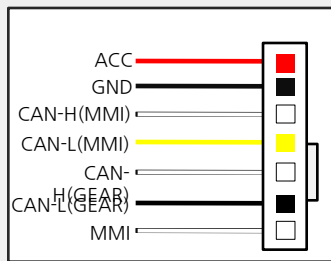
Original Command



Dashboard Monitor

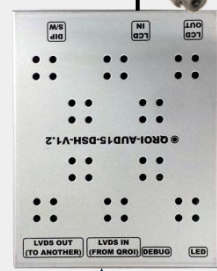
Original LCD Cable

Provided LCD cable



RGB NAVI BOX

HDMI NAVI BOX



LVDS Cable



RGB NAVI BOX

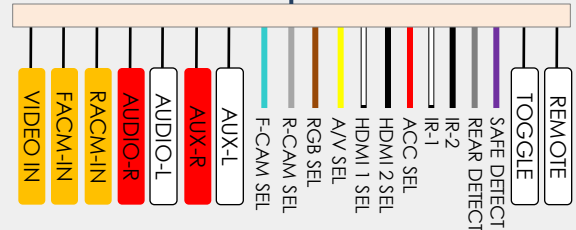


Mirroring Device

5V



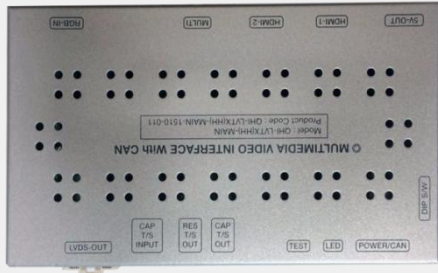
HDMI NAVI BOX



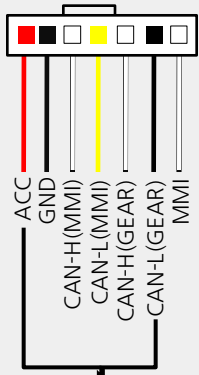
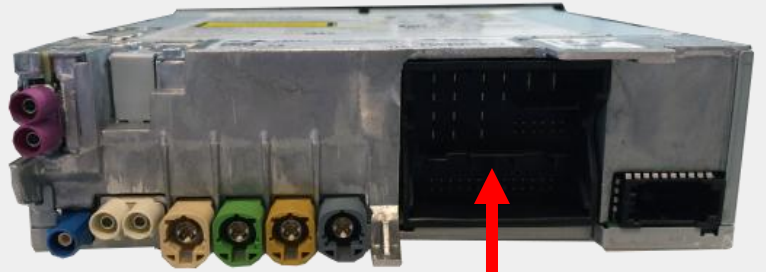
※ HDMI NAVI must be connected to HDMI-1.



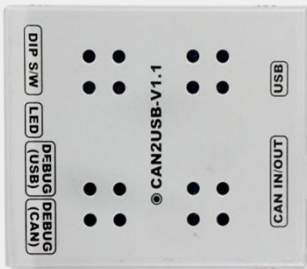
# • Power cable connection



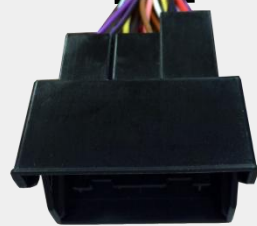
ORIGINAL COMMAND



JACK BY JACK CABLE



CAN2USB  
※ Option



OEM CABLE



# • 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)

# • Revision History

Date	History	Page
2016.03.16	- Installation Diagram	8page

# Q·DIS

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