Installation Manual

Multimedia Interface for Audi PCM4.1

° Specification

Compatibility: **AUDI A1, Q3**

Components: *Interface Main*1*

Interface Input / Output specification:

Input: *LVDS IN (Car System) *1*
HDMI *1
Analog RGB *1
AV *2
CVBS(Front Camera) *1
CVBS(Rear Camera) *1

Output: *LVDS OUT (Car System) *1*
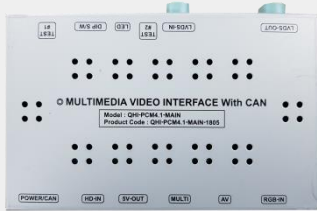*AUX OUT *1*

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*

MAIN BOARD
QCPASS1260

POWER CABLE
HPOWER0225

CAN J BY J
HARETC0288

LCD CABLE
HLCDCA0050

RGB CABLE
HRGBCA0013

AV CABLE
HAVCAB0056

MULTI CABLE
HARETC0240

IR CABLE
HIRCAB0002

BUTTON CABLE
HARETC0001

REMOTE CONTROL
REMOTE0001

•DIP Switch Settings
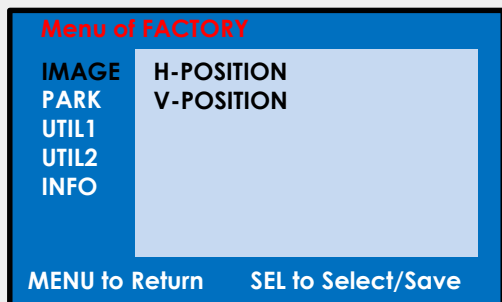
ON: DOWN / OFF: UP

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

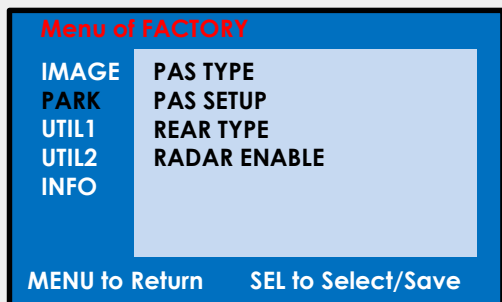| PIN	FUNCTION	Dip S/W SELECT
1	RGB	OFF : RGB MODE ON : RGB MODE SKIP
2	HDMI	OFF : HDMI MODE ON : HDMI MODE SKIP
3	AV1	OFF : AV1 MODE ON : AV1 MODE SKIP
4	AV2	OFF : AV2 MODE ON : AV2 MODE SKIP
5	FRONT CAMERA	OFF : Ext. FRONT CAMERA MODE ON : OEM FRONT CAMERA MODE
6	CAR MODEL	*** A1/Q3 (8") -> Need special update file** ON : Bentley
7	REAR CAMERA	OFF : OEM REAR CAMERA MODE ON : Ext. REAR CAMERA MODE
8	CAN IN/OUT	OFF : CAN Data In/Out Mode ON : CAN Data Bypass Mode

•Remote Control

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

Menu of FACTORY

IMAGE	**H-POSITION**
PARK	**V-POSITION**
UTIL1	
UTIL2	
INFO	

MENU to Return   SEL to Select/Save

IMAGE

H-POSITION/V-POSITION *Setting*

Menu of FACTORY

IMAGE	**PAS TYPE**
PARK	**PAS SETUP**
UTIL1	**REAR TYPE**
UTIL2	**RADAR ENABLE**
INFO	

MENU to Return   SEL to Select/Save

PARK

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.

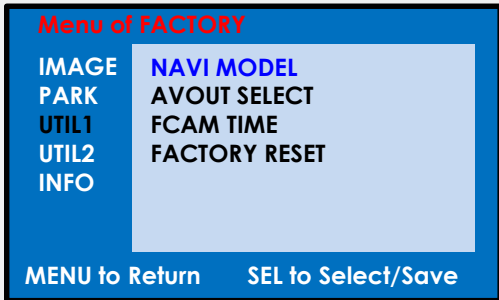**REAR TYPE:** *Choose rear camera recognition.*

   CAN: *Detecting the rear view camera by CAN signal. (Installer must connect "CAN" cable of the power cable to the "CAN" cable of the car)*

   LAMP: *Detecting the rear view camera via "Grey Rear" wire. (Installer must connect "Rear-C" cable of the power cable to the rear lamp of the car)*

RADAR ENABLE*:*

Setting up parking distance alarm sensor (ON/OFF)

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Menu of FACTORY
IMAGE     NAVI MODEL
PARK      AVOUT SELECT
UTIL1     FCAM TIME
UTIL2     FACTORY RESET
INFO

MENU to Return    SEL to Select/Save
```

UTIL1

NAVI/HDMI MODEL: *Android, car-play, navigation model setting*
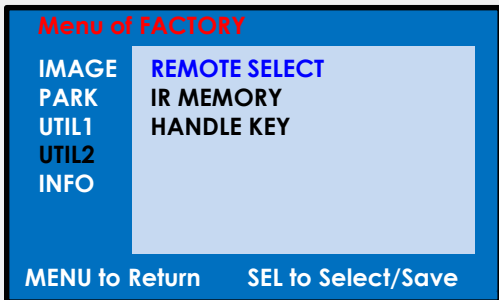
AVOUT SELECT:

Select background sound through car AUX

F-CAM TIME :

Time setting for the front camera display

(OFF, 3s, 5s, 10s, 15s)

FACTORY RESET: *Factory mode reset (YES/NO)*

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Menu of FACTORY
IMAGE     REMOTE SELECT
PARK      IR MEMORY
UTIL1     HANDLE KEY
UTIL2
INFO

MENU to Return    SEL to Select/Save
```
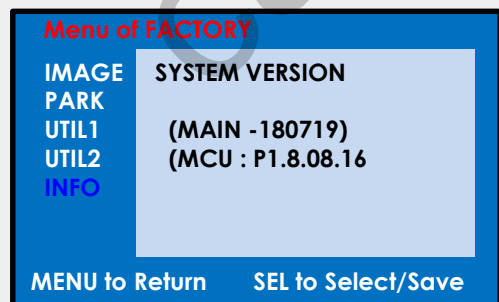
UTIL2

REMOTE SELECT:

Able to remote control on DVD, DTV by

selecting "USER" after IR memory registered

IR MEMORY:

Register IR memory (Remote Control Value)

of DVD, DTV
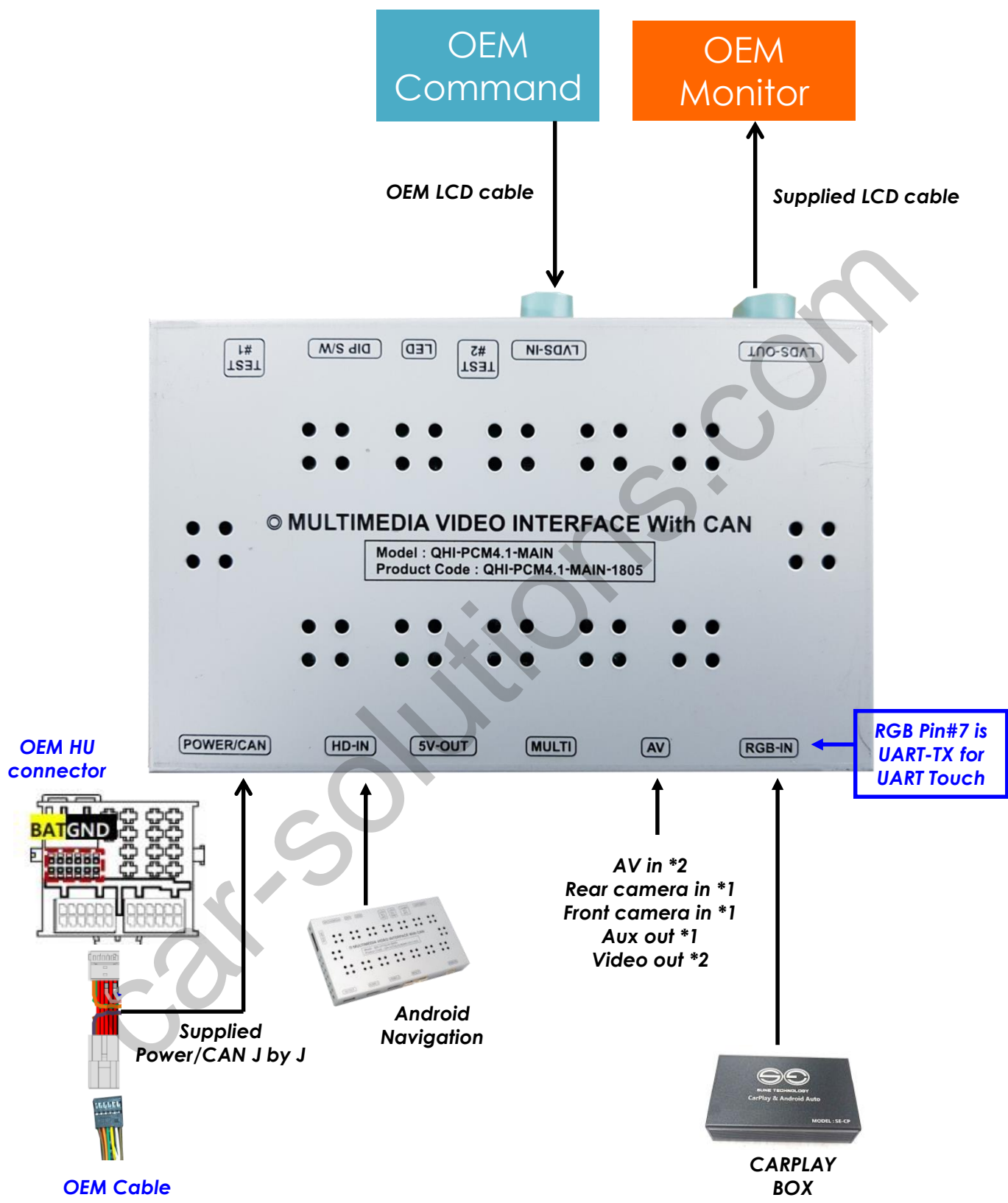
HANDLE KEY: *OEM button to change the mode*

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Menu of FACTORY
IMAGE     SYSTEM VERSION
PARK
UTIL1      (MAIN -180719)
UTIL2      (MCU : P1.8.08.16
INFO

MENU to Return    SEL to Select/Save
```

INFO

System version information

○ Installation Diagram

OEM Command

OEM Monitor

OEM LCD cable

Supplied LCD cable

TEST #1 | DIP S/W | LED | TEST #2 | LVDS-IN | LVDS-OUT

◎ MULTIMEDIA VIDEO INTERFACE With CAN

Model : QHI-PCM4.1-MAIN
Product Code : QHI-PCM4.1-MAIN-1805

POWER/CAN | HD-IN | 5V-OUT | MULTI | AV | RGB-IN

RGB Pin#7 is UART-TX for UART Touch

OEM HU connector

BAT GND

Supplied Power/CAN J by J

Android Navigation

*AV in *2*
*Rear camera in *1*
*Front camera in *1*
*Aux out *1*
*Video out *2*

CARPLAY BOX

SUNE TECHNOLOGY
CarPlay & Android Auto
MODEL : SE-CP

OEM Cable

1. Please disconnect OEM connector in red circle on OEM head-unit bunch connector.
2. Connect supplied CAN cable as above.

Activation with OEM Button

Press the highlighted OEM button for 3 seconds long to switch modes

* Please rotate JOG DIAL to the left/right for channel up / down. (TAIWAN ONLY)

* Press high lighted OEM button(NAVI) for 3 seconds long to mode switch

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)