Instruction Manual

Audi 4G HDMI for AUDI, PORCSHE, Volkswagen



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1. Main spec.

- 1-1 Input Spec. (MULTI VIDEO INTERFACE)
 - 2 x A/V Input (External video source).
 - 1 x CVBS(REAR CAMERA) Input. (Rear camera source)
 - 1 x CVBS(FRONT CAMERA) Input. (Front camera source)
 - 1 x Analog RGB Input (Navigation System output)
 - 1 x LVDS Input. (Car Command System)
- 1-2 Output Spec.
 - 2 x CVBS Output (Video out for Installing Headrest Monitor)
 - 1 x Audio L/R Output.
 - 1 x LVDS Output (LCD Operation)
- 1-3 Power Spec.
 - Input Power : 8VDC ~ 24VDC
 - Consumption Power : 12Watt, Max
- 1-4 Switch Input mode
 - Possible to select CAR model while switching mode by DIP S/W
 - By button on the Commander in the car via CAN

2. Features

- Easy installation
- Possible to use the OEM touch screen to control the external devices (PCM4.0)
- OEM type's guide line



3. Diagram



INTERFACE

CAR TFT-LCD



4. Components





5. Exterior



1. KEY BOARD

* ON : DOWN , OFF : UP

NO.	Function	Selection
1	NAVIGATION	ON : Skipping NAVI OFF : Display
2	AV1 (DVB-T)	ON : Skipping DVB-T OFF : Display
3	AV2 (DVD)	ON : Skipping DVD OFF : Display
4	HDMI	ON : Skipping HDMI OFF : Display
5		ON : VW Golf 6.5", Porsche, A3 7"(OPS Off), A3 5.8"(OPS Off), Q2
6	CAR MODEL	ON : A3 7"(OPS Off), A3 5.8"(OPS On), A6 8", Porsche, A4 /Q7(OPS Off)
7		ON : VW polo 6.5", Golf 6.5",A3 7"(OPS On/Off), A6 8", A4 /Q7(OPS On/Off), A3 5.8"(OPS Off), Q2
8		ON : VW Golf 8", Audi A3 7"(OPS On), Porsche, A4 /Q7(OPS On/Off), Q2

* Example





Audi A6 8"





Audi A3 7"



5

Audi A4 /Q7 (OPS Function ON)





Audi A3 7" (OPS Function ON) (OPS Function OFF) (OPS Function ON) (OPS Function OFF)



Audi A4 /Q7 (OPS Function OFF)





VW Polo 6.5"





6

Audi A3 5.8"

8



Audi Q2



2. Touch (VOLKSWAGEN Gof7, Polo, Porsche 2016year)

- Touch calibration



Touch OEM screen in any mode more than 7sec. For calibration (This function can be activated only one time after switching mode)





- DVB-T/DVD Control



GU Electronic

3. Original button (VOLKSWAGEN Gof7, Polo)



Steering wheel - 1 (Mode change) Steering wheel - 2 (Mode change)

※ You can choose the Steering wheel type from the OSD Menu (P.16)



3. Original button (Audi A6/A7-4G) -Switching mode



- NAVI: Switching mode
- TEL, RADIO , MEDIA, INFO, CAR: Directly to the OEM Screen
- PUSH: DVB-T / DVD UI \rightarrow ON
- LEFT , LIGHT: Control the DVB-T / DVD UI Icon



Steering wheel - 1 (Mode change)



Steering wheel - 2 (Mode change)

% It is necessary to connect MMI wire / CAN wire to use the original button **%** You can choose the Steering wheel type from the OSD Menu (P.16)



3. Original button(Audi 2016year A3/A4/Q7)-Switching mode



- NAVI: Switching mode
- RADIO, TEL, MEDIA: Switching to OEM directly
- PUSH: DVB-T / DVD UI \rightarrow ON
- LEFT , LIGHT: Control the DVB-T / DVD UI Icon



Steering wheel - 1 (Mode change)

Steering wheel - 2 (Mode change)

※ It is necessary to connect CAN wire to use the original button※ You can choose the Steering wheel type from the OSD Menu (p, 16)



3. Original button(Porsche 2016year) - Switching mode



- NAVI , MAP : Switching mode

- TUNER, MEDIA, SORCE, PHONE, CAR, HOME, OPT, Sirectly to the OEM Screen



Mode change



DVB-T Channel Up/Down

Macan Steering wheel 'Mode' button : Switching mode
You can setting for Steering wheel button (switching mode) from OSD MENU (p, 16)
You can setting for Steering wheel button (DVB-T Channel up/down) from OSD MENU (p, 16)



3. Original button - DVB-T, DVD Menu

DTV (Select the type of I-con) •





DVD



X To use this function, It is necessary to offer the remote IR code to manufacturer or setting OSD IR - Ctrl (P. 22)



4. Key board



- ① MENU : Activating OSD Menu
- ② SEL : Selection
- **③** Up : Moving upward / increasing value
- **④** Down : Moving downward / decreasing value

5. OSD Menu

※ Press "MENU" button on Key board

MENU	Config NAVI		NAVI
Config Option Image Screen Parking	NAVI-RGB DVB-T(DMB) DVD HDMI Reset	GI5000 NET-770 ELT_980XU HDMI Execute	J Slim Cancel

Config - NAVI-RGB : Setup for the type of RGB

- Config DVB-T(DMB) : Setup for the type of DVB-T(DMB)
- Config DVD : Setup for the type of DVD
- Config HDMI : Setup for the type of HDMI
- Reset : Reset all value



5. OSD Menu

% Press "MENU" button on Key board

MENU	Option / Rear Cam - Det REAR	
Config	Rear Cam - Type	ExtDevice
Option	Rear Cam - Power	Auto
Image	Rear Cam - Det	P>>GEAR ExtWire
Screen	Front Cam -Type	ExtDevice
Parking	Front Cam -Power	Auto

Option

- RearCam-Type : Setup for rear camera ExtDevice - External rear camera OEM - Original camera
- RearCam-Power : Setup for Rear VCC wire in power cable ON - +12V out always (current consumption : 200mA) AUTO - +12V out in rear mode only (200mA) OFF - Power OFF
- RearCam-Det :RearCam-Det : Setup for Rear detection
 - P>>, GEAR : by CAN wire
 - Ext Wire : by 12V wire
 - Setting to display screen when switching to the D gear from the R gear (**Refer to P.20**) P>> : OEM type - When switching to the D gear from the R gear , press
 - the activated "P" button or driving up 20km to display AV/RGB/OEM screen GEAR : Normal type - When switching to the D gear from the R gear, The
 - AV/RGB/OEM screen is shown right away
- FrontCam-Type : Setup for front camera ExtDevice - External rear camera OEM - Original camera
- FrontCam-Power : Setup for Front VCC wire in power cable
 - ON +12V out always (current consumption : 200mA)
 - AUTO +12V out in rear mode only (200mA)
 - OFF Power OFF



5. OSD Menu

% Press "MENU" button on Key board



Option

- FrontCam-Det : Setup for front detection ExtDevice - External rear camera OEM - Original camera
- RearCam-RcvOpt : The time of displaying front camera



5. OSD Menu

% Press "MENU" button on Key board

MENU	Option / Ca	amera	NAVI
Config Option Image Screen Parking	Camera Reset	On Execute	Off Cancel

Option

- Camera : AV3
 - On Display AV3 Off – Off
- Reset: Initialization



5. OSD Menu

% Press "MENU" button on Key board

- NAVI(RGB) Image / Screen

MENU	IN	/IAGE	NAVI
Config Option Image Screen Parking	Brightness Contrast Color- RED Color- GREEN Color- BLUE		50 50 50 50 25
MENU	S	creen	NAVI

- DVD, DVBT, NAVI-AV, REAR, FRONT Image

MENU	IMAGE Rear		Rear
Config	Brightness		50
Option	Contrast		50
Image	Saturation		50
Screen	Hue		50
Parking	Sharpness		25



4. OSD Menu – Parking mode

* Press "MENU" button on Key board

-Parking guide line ON/OFF

MENU	Parking Rear		Rear
Config Option Image Screen Parking	Line Display Warning Lang Horizontal Vertical Transparency	On On L	50 50 0

Selecting a use of packing guide line (OSD Menu – Parking – Line display – ON or OFF)



AUDI (OPS Function ON)



AUDI (OPS Function OFF



PORSCHE



GOLF 7 , POLO

% The position of PDC will be changed according to the parking guide line (PORSCHE) % PDC (OPS) for Audi car is set by Dip sw - Refer to P. 7



4. OSD Menu – Parking mode

※ Press "MENU" button on Key board

-Setting to display screen when switching to the D gear from the R gear(p.15)



Car Audio Box Button

Gear

- 1. OEM type : When switching to the D gear from the R gear , Press the activated "P" button or driving up 20km to display AV/RGB/OEM screen
- 2. Normal type : When switching to the D gear from the R gear, The AV/RGB/OEM screen is shown right away

-Warning Language for rear screen



MENU	Parking Rear		
Config	Line Display	English	
Option	Warning Lang	中文	
Image	Horizontal	한국어	
Screen	Vertical	台湾	
Parking	Transparency	POCCUЯ	

Selecting a type of language (OSD Menu - Parking - Warning Lang)

- Adjust the position of Parking guide line



5. OSD Menu

※ Press "MENU" button on Key board



MENU	Horizo	ontal
OSD IR-Ctrl Utility	Horizontal Vertical Display Transparency Language	50 50 50 10s English

- OSD Horizontal
- OSD Vertical
- OSD Display : Setting time for displaying OSD menu
- OSD Transparency
- OSD Language : Setting language of ODS menu

- IR – Ctrl (p.22)

- Utility

MENU	Utility		
OSD IR-Ctrl Utility	Factory Reset Version	Execute Cancel AD4P52KRX - 160509	

• Utility – INTERFACE SOFTWARE



5. OSD Menu – Register IR code

※ Press "MENU" button on Key board

- IR Ctrl



① Select IR Ctrl → DVB/DVD/DVR → Learn to register IR code

(2)	
MENU	DVB-T(DMB) DVD
OSD IR-Ctrl Utility	ALL - Clear POWER

 2 All Clear : Remove all value of Remote control registered before Select one of the buttons registering to move on to next step

MENU	DV	/IB)	DVD	
OSD IR-Ctrl	New Code : Cfm Code :			
Otility	Save	Clr	Cancel	

③ Press a button on the remote control of DVD/DTV then the IR code will be appeared on "New code" menu. Press the same button one more time to confirm the IR code. (Cfm code = confirm code)

※ Caution

- Delete : ALL Clear – Delete all value Clr – Delete one button's Value
- Play/Pause:

To use **D** button, Please register the IR code in power / Pause menu separately



Installation

1. Installation Diagram





Installation

2. CAN connect



1 Please remove the indicated grey connector from the OEM plug & plug connector





② Please connect in the direction of the protruding portion



Caution

1. FAQ

- Not possible to switch mode
 - Check connection of OSD Key pad wire
 - Check CAN connection
- Display wrong size of picture
 Check Dip s/w setting
- Display black screen in OEM mode
 Check connection of LVDS/LCD cable
- Not possible to switch to rear screen
 Check the packing setting
 (OSD Menu option RearCam-Det)

2. Caution

- The device must not be installed in where it interferes driving (close to brake pedal, steering wheel, airbag etc.)
- LVDS cable must be connected correctly according to the manual
- Insulate the end of wire by using electrical tape
- The installation should be done by expert
- GU electronic does not take any responsibility for any problem caused by wrong installation



For your better driving