Instruction Manual

Audi 4G+ PAS TDC2 for AUDI , Q7



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1. Main spec.

- 1-1 Input Spec. (MULTI VIDEO INTERFACE)
 - 1 x Digital RGB Input (Navigation System output)
 - 1 x Analog RGB Input (Navigation System output)
 - 1 x CVBS(REAR CAMERA) Input. (Rear camera source)
 - 1 x CVBS(FRONT CAMERA) Input. (Front camera source)
 - 1 x LVDS Input. (Car Command System)
 - 1 x Capacitive Touch Screen
- 1-2 Output Spec.
 - 1 x LCD Output (LCD Operation)
 - 1 x Resistive Touch Output
- 1-3 Power Spec.
 - Input Power : 8VDC ~ 24VDC
 - Consumption Power : 12Watt, Max
- 1-4 Switch Input mode
 - Possible to switch input mode through original button

2. Features

- Possible to install capacitive touch screen with frame (Option)
- Possible to register IR code of DVD/DTV
- Display dynamic PAS(Parking assistance system)
- Easy installation with plug & play power/LVDS cable



3. Diagram





4. Components





4. Components (Option)



5. Exterior





1. Dip Switch

* ON : DOWN , OFF : UP

NO.	Function	Selection
1	NAVI	ON : Skipping NAVI OFF : Display
2	DVB-T(AV1)	ON : Skipping DVB-T(AV1) OFF : Display
3	DVD(AV2)	ON : Skipping DVD(AV2) OFF : Display
4	N.C	
5		on : Audi A4 / Q7 8.2 "
6		on : Audi A4 / Q7 8.2 "
7		on : Audi A4 / Q7 8.2 "
8		off : Audi A4 / Q7 8.2 "

* Example



% Both of DTV(A1) and DVD(A2) are through Front input



2. Original button - Switching mode

[Audi 2016year A3/A4/Q7]



- NAVI: Switching mode
- RADIO, TEL, MEDIA: Switching to OEM directly
- PUSH: Display DVB-T & DVD UI ICON
- 🖕 , 🖉 : Control the DVB-T & DVD UI ICON



※ It is necessary to connect CAN wire to use the original button **※** You can choose the Steering wheel type from the OSD Menu (p.15)



2. Original button – TOUCH

- Touch calibration



Touch the 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

Press Touch (Anywhere)







Press Icon



2. Original button - DVB-T, DVD Menu *Control the OSD menu by OEM button

• DTV (Select the type of I-con)



• DVD



***** To use this function, It is necessary to offer the remote IR code to manufacturer or setting OSD IR – Ctrl (P. 20)



2. Original button – OSD Menu

*Control the OSD menu by OEM button



MENU : Press long(7sec) - Activating OSD menu Press short - Exit

- 1 PUSH: Selection
- ② Moving up, Increasing value
- ③ Moving down, Decreasing value
- ④ Moving from third menu to first menu in order
- ⑤ Moving from first menu to third menu in order
- 6 Moving up, Increasing value
- ⑦ Moving down, Decreasing value

MENU	С	onfig	NAVI	Mode state
Config Option Image Screen Parking	NAVI-RGB DVB-T(DMB) DVD HDMI Reset	GI5000 ELT_DVBT2 NECVOX I iPhone Execute	20 DVA-3206 Cancel	

First menu Second menu

Third menu



3. OSD Menu

% Press "MENU" button on Key board

MENU	Config NAVI		NAVI
Config Option Image Screen Parking	NAVI-RGB DVB-T(DMB) DVD Reset	HDMI ELT_DVBT20 ELT_980XU Execute) 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
- Reset : Reset all value



3. OSD Menu

※ Press "MENU" button on Key board

MENU	Option	NAVI
Config	Rear Cam - Type	OEM
Option	Rear Cam - Power	Auto
Image	Rear Cam - Det	CAN
Screen	AV Mode	On
Parking	Front Cam -Type	ExtDevice

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 : Setup for Rear detection
 - P>>, GEAR : by CAN wire
 - Ext Wire : by 12V wire
 - Setting to display screen when switching to D gear from R gear (**Refer to picture on P.16**) P>> : OEM type - When switching to D gear from 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
- AV Mode : When the "REAR TYPE" is OEM ON : Using the "Rear input" as AV3 OFF : Not used
- FrontCam-Type : Setup for front camera ExtDevice - External rear camera OEM - Original carmer



3. OSD Menu

 $\ensuremath{\mathbbmm}$ Press "MENU" button on Key board

MENU	Option		NAVI
Config Option Image Screen Parking	FrontCam-Power FrontCam-Det FrontCam-RcvOpt SteeringMode Reset	Auto ExtWire NAV On	Os

Option

- 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
- FrontCam-Det : Setup for front detection ExtDevice - External rear camera (N.C) OEM - Original camera
- FrontCam-RcvOpt : Selecting time of displaying Front camera before switching to RGB, DVD, OEM from Rear



 SteeringMode : Setting Handle wheel button (Refer.9) ON- MODE or NAV OFF- OFF



3. OSD Menu

% Press "MENU" button on Key board

- NAVI(RGB) Image / Screen

MENU	IM	AGE	NAVI
Config Option Image Screen Parking	Brightness Contrast Color- RED Color- GREEN Color- BLUE		50 50 50 50 25
MENU	Sc	reen	NAVI
Config	Harizantal		FO

MENU	Screen		NAVI
Config	Horizontal		50
Option	Vertical		50
Image	Scale X Up		50
Screen	Scale X Down		50
Parking	Scale Y Up		50

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

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



3. OSD Menu – Parking mode

※ Press "MENU" button on Key board

-Parking guide line ON/OFF

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

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



Parking Line - ON

-Setting for displaying external screen when switching to "D" gear from "R" gear(p.15)



Car Audio Box Button



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



3. OSD Menu

※ Press "MENU" button on Key board

-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	Р О С СИ Я	

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

- Adjust the position of Parking guide line

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

Possible to adjust the position of line by OEM Button in Horizontal / Vertical menu % Pressing this Horizontal / Vertical menu, The OSD screen automatically disappears. Please adjust from the parking line Screen.



- Transparency – Setting to the transparency of Parking guide line



3. OSD Menu

% Press "MENU" button on Key board

- OSD

MENU	Horizontal		
OSD IR-Ctrl Utility	Horizontal Vertical Display Transparency Language	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.20)

- Utility

MENU	Utility	
OSD IR-Ctrl Utility	Factory Reset Version	Execute Cancel ADPc10KRX - 170409

• Utility – INTERFACE SOFTWARE



4. OSD Menu – Register IR code

※ Press "MENU" button on OSD 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 — SCAN — CH+ — CH- —

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	/B-T(DN	/IB)	DVD
OSD IR-Ctrl Utility	New Code : Cfm Code :			
	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. CAN installation



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



2 Please connect the OEM grey connector to the provided connector 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