Instruction Manual

Audi 4G+ PAS for AUDI , Q7



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1. Main spec.

- 1-1 Input Spec. (MULTI VIDEO INTERFACE)
 - 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)
- 1-2 Output Spec.
 - 1 x LCD Output (LCD Operation)
- 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

- Display dynamic PAS(Parking assistance system)
- Easy installation with plug & play



3. Diagram



4. Components









1. Dip Switch

* ON : DOWN , OFF : UP

NO.	Function	Selection
1	NAVI (MHL)	ON : Skipping NAVI (MHL) OFF : Display
2	VIDEO	ON : Skipping Video OFF : Display
3,4	N.C	
5		
6	Cormodal	Defer to the pictures below
7		Refer to the pictures below
8		

* Example





AUDI A4/Q7 8.2" (Don't have OEM Parking Sensor)



2. Original button - Switching mode

[AUDI A4]



Steering wheel

※ It is necessary to connect CAN wire to use the original button on steering wheel



3. OSD Key board



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

4. OSD Menu

※ Press "MENU" button on Key board

MENU	Config		NAVI
Config Option Image Screen Parking	NAVI-RGB DVB-T(DMB) DVD Reset	GALAXY ELT_DVBT20 ELT_980XU S Execute	Slim Cancel

Config - NAVI-RGB(MHL) : Setup for the type of RGB(MHL) Config - DVB-T(DMB) : Setup for the type of DVB-T(DMB) Config – DVD : Setup for the type of DVD Reset : Reset all value



4. OSD Menu

% Press "MENU" button on Key board

MENU	Option	NAVI
Config	Rear Cam - Type	ExtDevice
Option	Rear Cam - Power	Auto
Image	Rear Cam - Det	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 : Setup for Rear detection CAN - By CAN Extwire – by rear cam detect wire
- 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



4. OSD Menu

※ Press "MENU" button on Key board



Option

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





4. OSD Menu

% Press "MENU" button on OSD Key board

- NAVI(RGB) Image / Screen

MENU	IM	IAGE	NAVI
Config	Brightness		50
Option	Contrast		50
Image	Color- RED		50
Screen	Color- GREEN		50
Parking	Color- BLUE		25

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

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

MENU	IMAGE		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 OSD Key board

-Parking guide line ON/OFF

MENU	Parking		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)

-Warning Language for rear screen





Parking Line - ON

MENU	Parking Rear		Rear
Config	Line Display	English	
Option	Warning Lang	中文	
Image	Horizontal	한국어	
Screen	Vertical	台湾	
Parking	Transparency	P O C C И Я	

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

- Adjust the position of Parking guide line

MENU	Pa	arking	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 Keypad in Horizontal / Vertical menu, % Pressing this Horizontal / Vertical menu, The OSD screen automatically disappears. Please adjust from the parking line Screen.

•	•	•	•	
Left	Righ	nt UP	Dowr	n

- Transparency – Setting to the transparency of Parking guide line



Installation

1. Diagram





Installation

2. CAN installation



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