## **Instruction Manual**

Volkswagen Golf 7 PAS-T for Volkswagen



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## **Specifications**

#### 1. Main spec

- 1-1 Input Spec. (MULTI VIDEO INTERFACE)
  - 2 x A/V Input (External video source)
  - 1 x Analog RGB Input (Navigation System output)
  - 1 x CVBS(REAR CAMERA) Input. (Rear camera source)
  - 1 x CVBS(FRONT CAMERA) İnput. (Front camera source)
  - 1 x LVDS Input (Car command system)
- 1-2 Output Spec.
  - 2 x CVBS Output (Video out for headrest monitor)
  - 1 x Audio L/R Output
  - 1 x LCD Output (LCD Operation)
- 1-3 Power Spec.
  - Input Power : 8VDC ~ 24VDC
  - Consumption Power : 12Watt, Max
- 1-4 Switching
  - Possible to switch input mode through original button
  - Possible to switch input mode through "HOME" button on screen

### 2. Features

- Possible to convert the OEM capacitive touch input to resistive touch output (for control an external map by OEM touch)



# Specification

### 3. Diagram



**INTERFACE** 



# Specification

### 4. Components



# Specification

5. Exterior





### 1. Dip Switch

#### \* ON : DOWN , OFF : UP

NO.	Function	Selection
1	NAVI	ON : Skipping NAVI OFF : Display
2	AV1 (DVB-T)	ON : Skipping Video OFF : Display
3	AV2 (DVD)	ON : Skipping Video OFF : Display
4	N.C	
5		Volkswagen_Golf_6.5"
6		
7	Iype SEL	Volkswagen_Golf_6.5" Volkswagen_Polo_6.5" Golf- sportsvan
8		Volkswagen_Golf_8.0"

\* 例子









Volkswagen\_Golf\_5.8"

Volkswagen\_Golf\_8.0"

Volkswagen\_Polo\_6.5" Golf- sportsvan

Volkswagen\_Golf\_6.5"



### 2. Original button - Switching mode



- ▽ : Press long Switching mode Press Short - Switching to OEM screen directly
- K:DVD-T Channel UP
- DVD-T Channel DOWN



- : Return OEM display : Mode change (1sec)
- : OEM display(3se)

X The screen is switched in order as the pictures below





### 3. Touch screen – Calibration



Touch the "+" correctly

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

#### - Control menu

#### \*Touch screen to activate the control menu



### 4. OSD Key board



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

### 5. OSD Menu %Press "MENU" button on Key board

MENU	Config		NAVI
Config Option Image Screen Parking	NAVI-RGB DVB-T(DMB) DVD Reset	GI5000_WV ELT_DVBT2 ELT_980XU Execute	VGA 0 Slim Cancel

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



### 5. 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	CAN
Screen	Front Cam -Type	ExtDevice
Parking	Front Cam -Power	Auto

### Option

- RearCam-Type : Setup for rear camera ExtDevice - External rear camera OEM - Original carmer
- 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 carmer
- 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

MENU	Option	NAVI
Config Option Image Screen Parking	Front Cam - Det Rear Cam - RcvOpt AV out Reset	ExtWire Os USER Execute Cancel

#### Option

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



 AV out : Setup for the external AV out in OEM screen AV1 : AV1's AV comes out in OEM screen AV2 : AV2's AV comes out in OEM screen USER : select one of AV out



#### 5. OSD Menu

%Press "MENU" button on Key board

#### - NAVI(RGB) Image / Screen

MENU	IMAGE NAVI		
Config Option Image Screen Parking	Brightness Contrast Color- RED Color- GREEN Color- BLUE		50 50 50 50 25
MENU	So	creen	NAVI
Config	Horizontal		50

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

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

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



### 5. OSD Menu – Parking Mode

%Press "MENU" button on Key board

#### -Parking guide line ON/OFF

MENU	Parking Re	
Config	Line Display	On
Option	Warning Lang	English
Image	Horizontal	50
Screen	Vertical	50
Parking	Reset	40

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



Parking line - "ON"

#### -Warning Language for rear screen

MENU	Parking		Rear
Config Option Image Screen Parking	Line Display Warning Lang Horizontal Vertical Reset	On English	50 50 40

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

Check entire surroundings!
请注意车辆周围环境!
차량 주변을 전부 확인
請注意車輛周圍環境!
Следите за всем окружением автомобиля!
周辺の安全を確認

#### -Adjust the position of Parking guide line

MENU	Parking		Rear
Config Option Image Screen Parking	Line Display Warning Lang Horizontal Vertical Reset	On English	50 50 40

MENU	SEL	UP	DOWN
Left	Right	UP	Down



# Installation

### **1. Installation Diagram**



## Installation

### 2. LVDS Installation

[Backside of an OEM COMMAND]



# Installation

### **3. LVDS Installation**





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





② Please note the direction of the plug (red circle).



# Caution

### 1. FQA

- 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