

Instruction Manual

Audi 4G+ PAS TDC2 for AUDI , Q7

Car-Solutions.com

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Specification

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

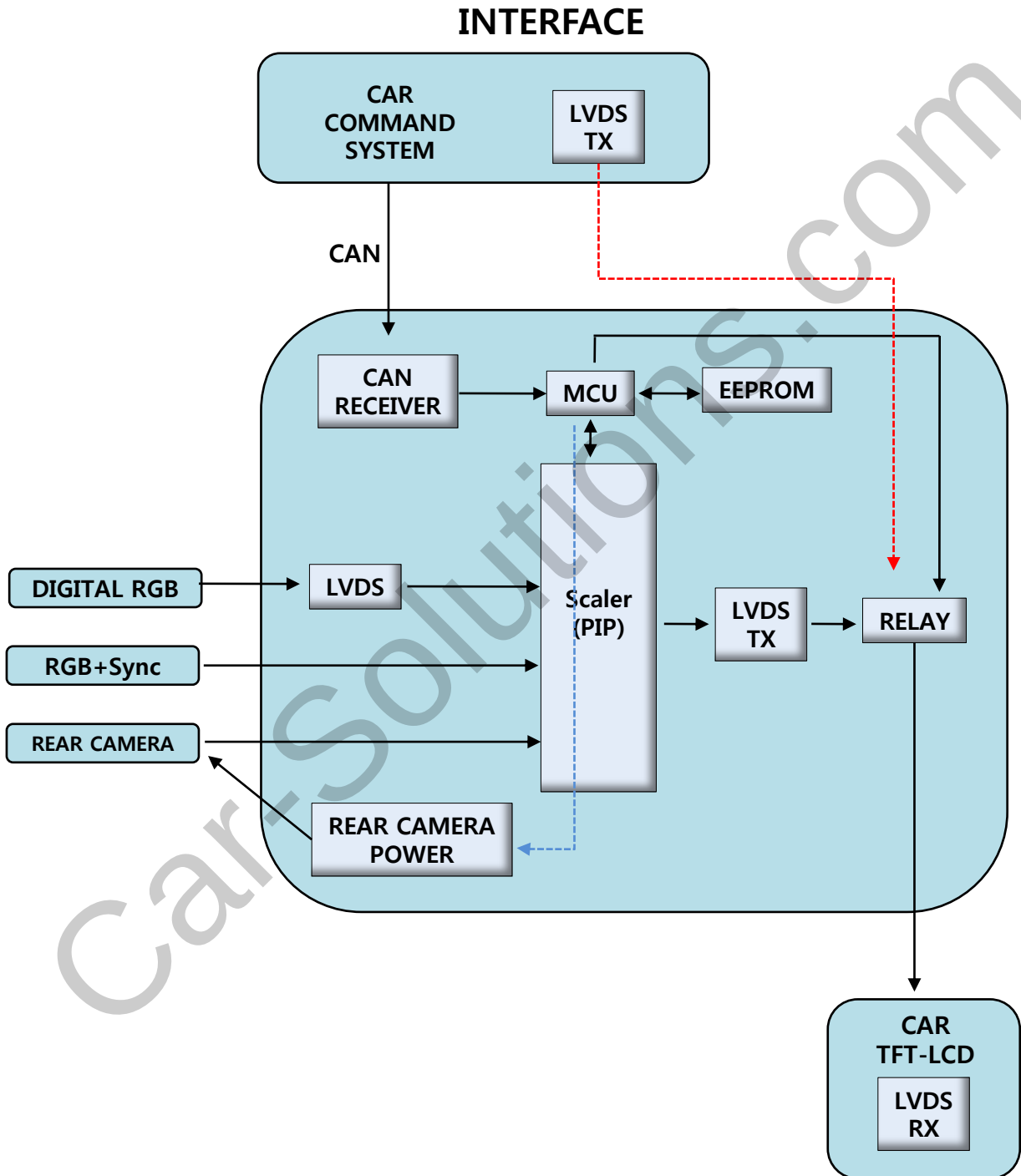
- Possible to switch input mode through original button

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

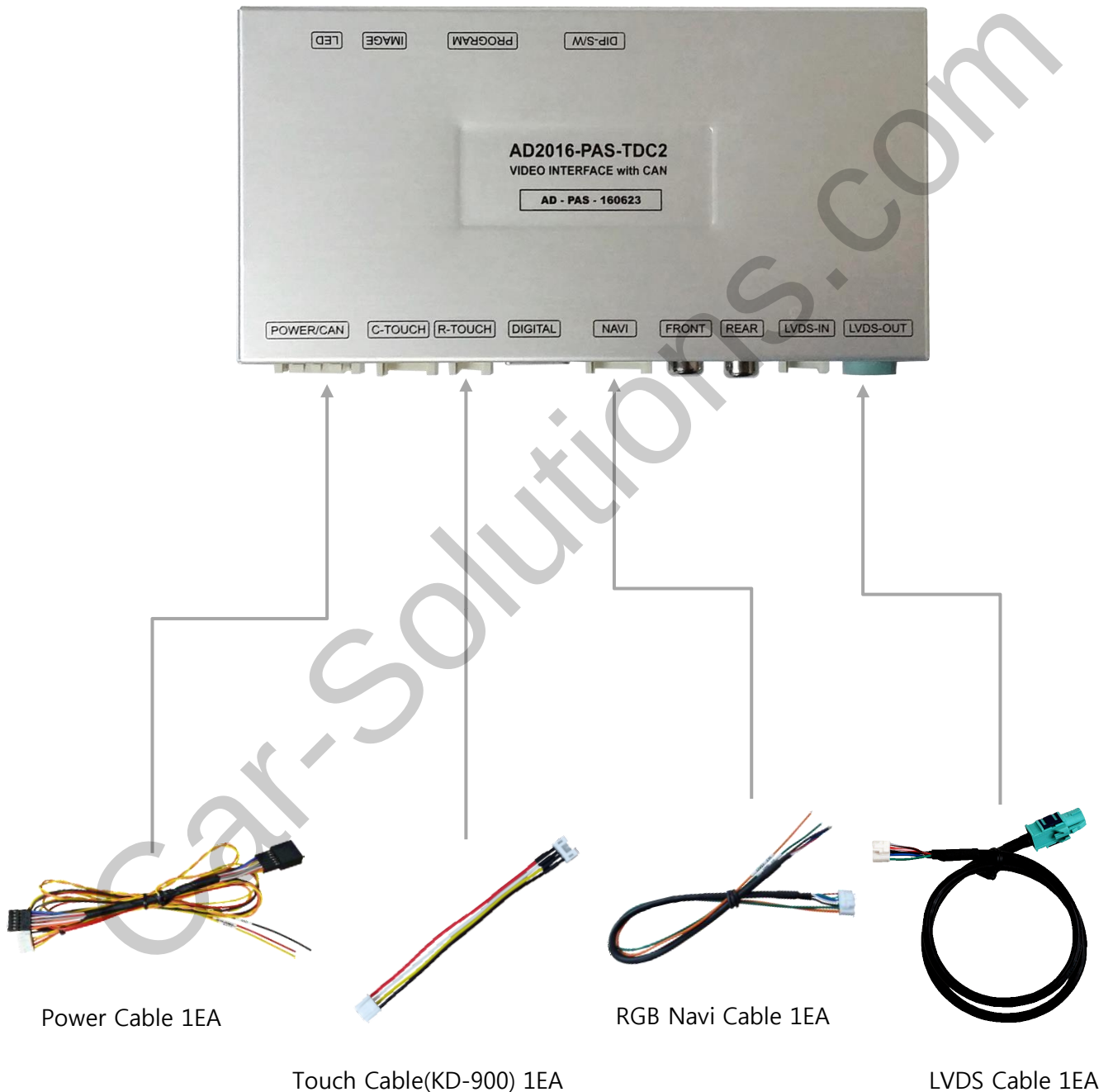
Specification

3. Diagram



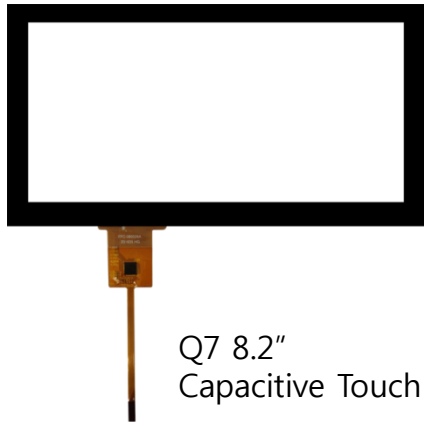
Specification

4. Components



Specification

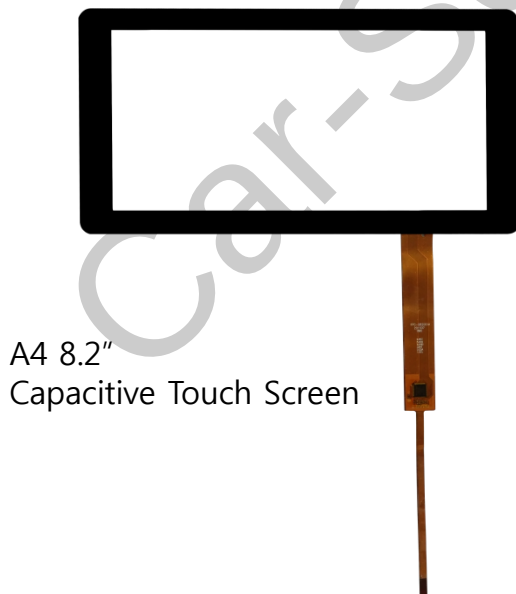
4. Components (Option)



Q7 8.2"
Capacitive Touch Screen



- ①: remove the protective plastic
- ②: replace the OEM bracket with the Provided bracket



A4 8.2"
Capacitive Touch Screen



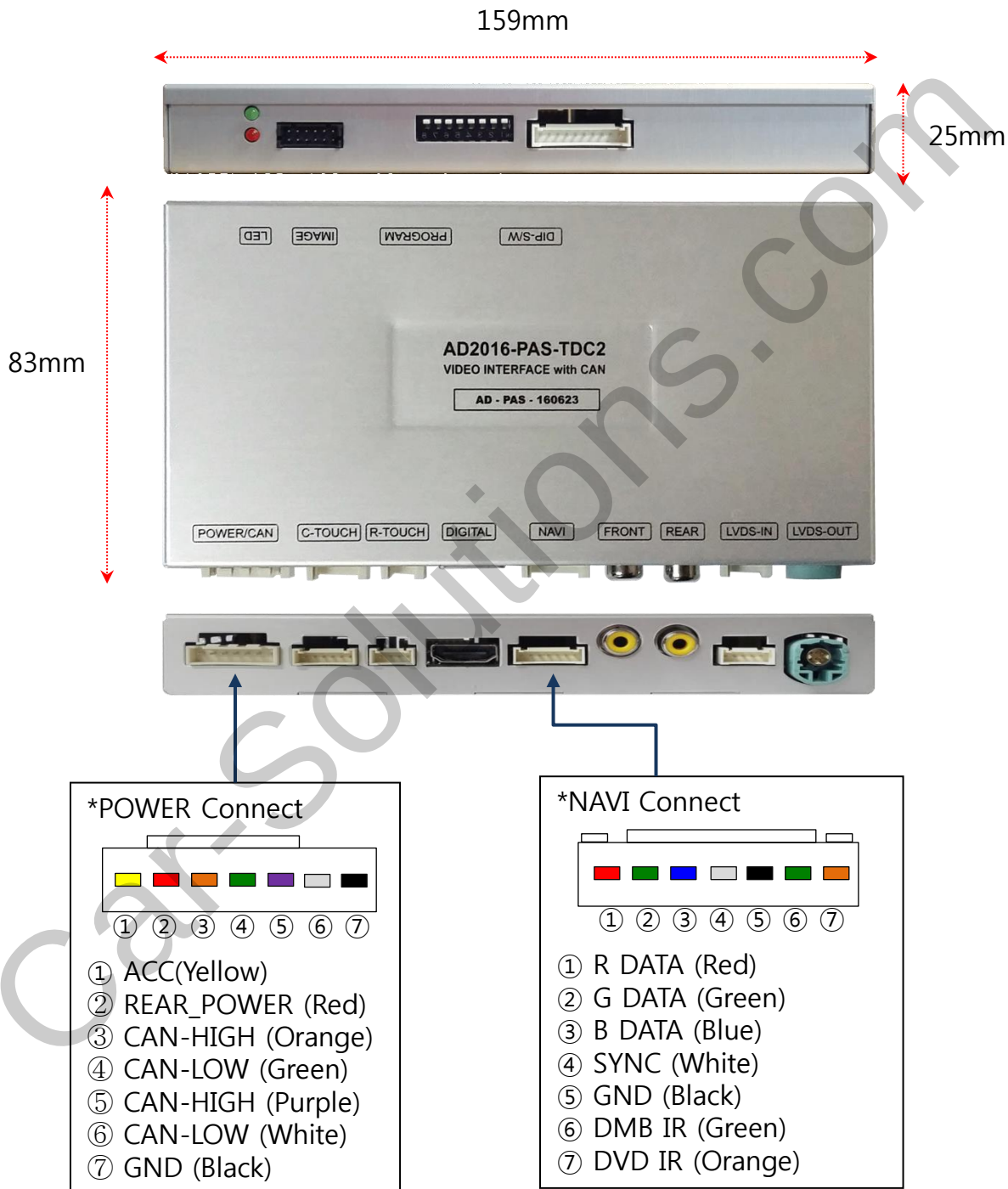
Touch Cable



Touch Board

Specification

5. Exterior



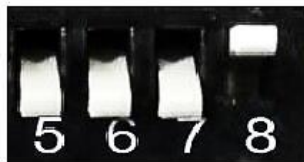
Settings

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	Car model	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



AUDI A4 / Q7 8.2 "

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

Settings

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



Steering wheel - 1
(Switching mode)



Steering wheel - 2
(Switching mode)

- ※ 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)

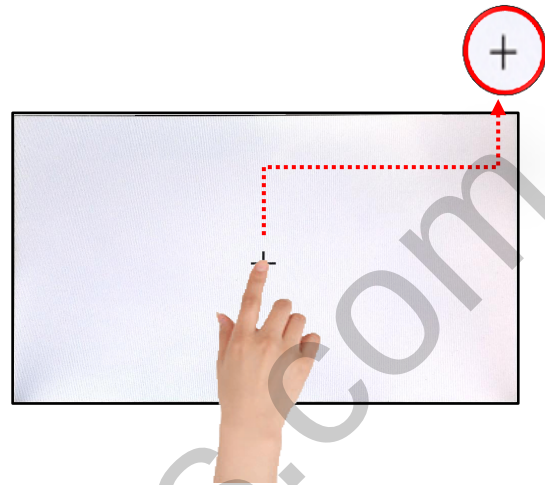
Settings

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)



Touch the "+" correctly

- DVB-T/DVD Control

Press Touch (Anywhere)

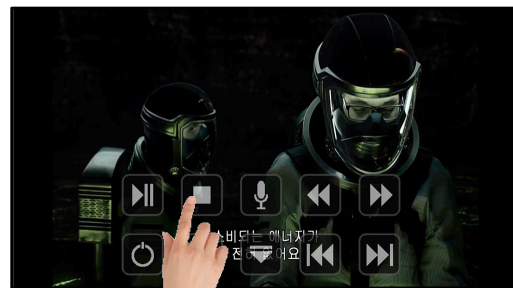


DVB-T
DAR-I

Press Icon



DVD

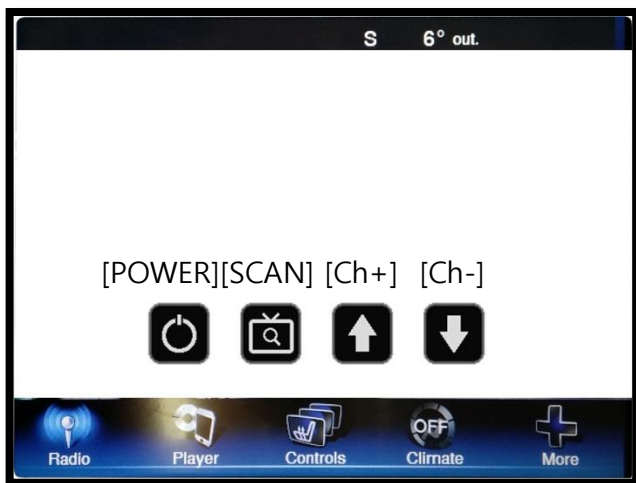


Settings

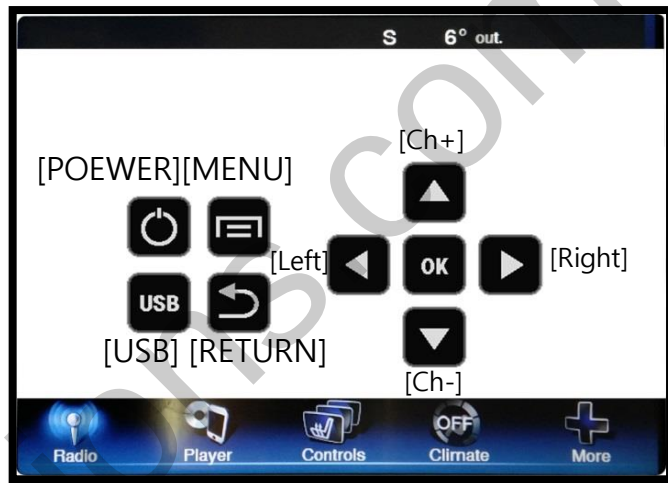
2. Original button - DVB-T, DVD Menu

*Control the OSD menu by OEM button

- DTV (Select the type of I-con)

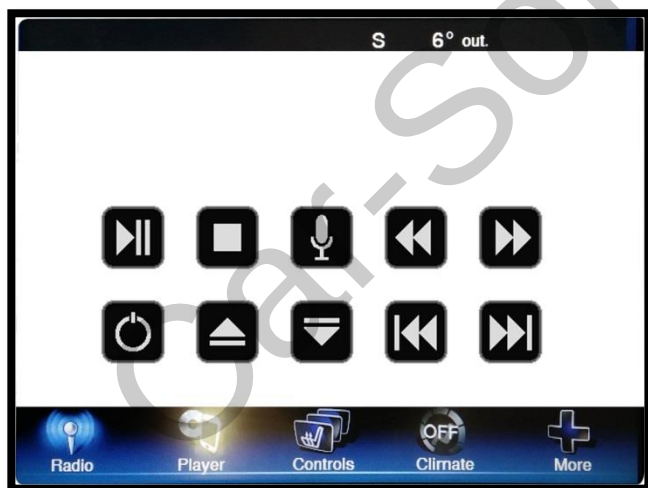


[Type -1]



[Type -2]

- DVD



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

Settings

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	Config		NAVI
Config	NAVI-RGB	GI5000	Mode state
Option	DVB-T(DMB)	ELT_DVBT20	
Image	DVD	NECVOX DVA-3206	
Screen	HDMI	iPhone	
Parking	Reset	Execute	
		Cancel	

First menu Second menu Third menu

Settings

3. OSD Menu

※ Press "MENU" button on Key board

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

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

Settings

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

Settings

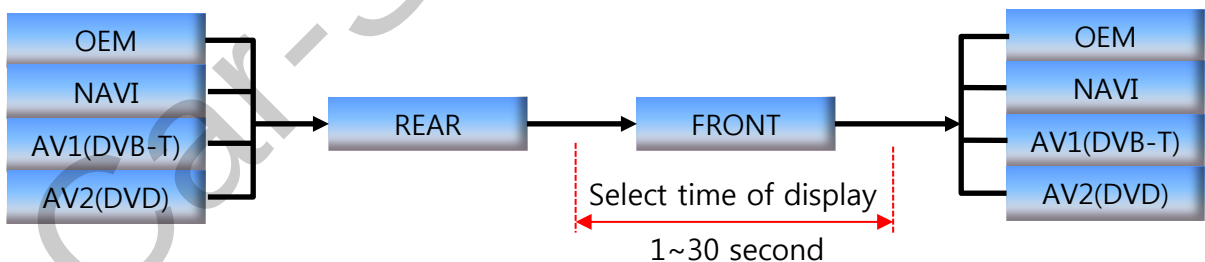
3. OSD Menu

※ Press "MENU" button on Key board

MENU	Option		NAVI
Config	FrontCam-Power	Auto	
Option	FrontCam-Det	ExtWire	
Image	FrontCam-RcvOpt	0s	
Screen	SteeringMode	NAV	
Parking	Reset	On	

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



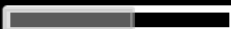
- SteeringMode : Setting Handle wheel button (**Refer.9**)
ON- MODE or NAV
OFF- OFF

Settings

3. OSD Menu

※ Press "MENU" button on Key board

- NAVI(RGB) Image / Screen

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

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	Brightness	 50
Option	Contrast	 50
Image	Saturation	 50
Screen	Hue	 50
Parking	Sharpness	 25

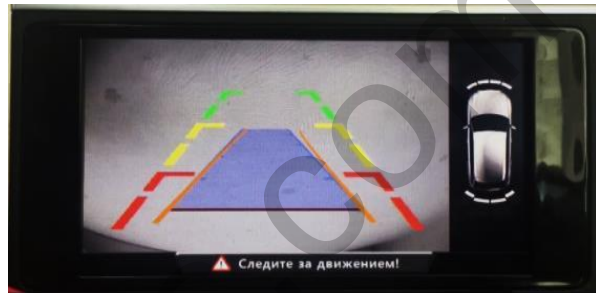
Settings

3. OSD Menu – Parking mode

※ Press "MENU" button on Key board

-Parking guide line ON/OFF

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



Parking Line - ON

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

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



Car Audio Box Button



Gear

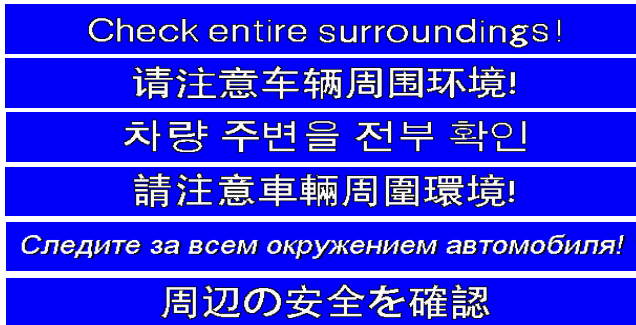
1. OEM type : When switching to "D" gear from "R" gear , Press the "P" button or drive up 20km to display AV/RGB/OEM screen
2. Normal type : When switching to "D" gear from "R" gear, The AV/RGB/OEM screen is shown right away

Settings

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	台灣
Parking	Transparency	Р О С С И Я

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

- Adjust the position of Parking guide line

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

Settings

3. OSD Menu

※ Press "MENU" button on Key board

- OSD

MENU	Horizontal	
OSD	Horizontal	 50
IR-Ctrl	Vertical	 50
Utility	Display	 10s
	Transparency	 30
	Language	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	Factory Reset	Execute Cancel ADPc10KRX - 170409
IR-Ctrl	Version	
Utility		

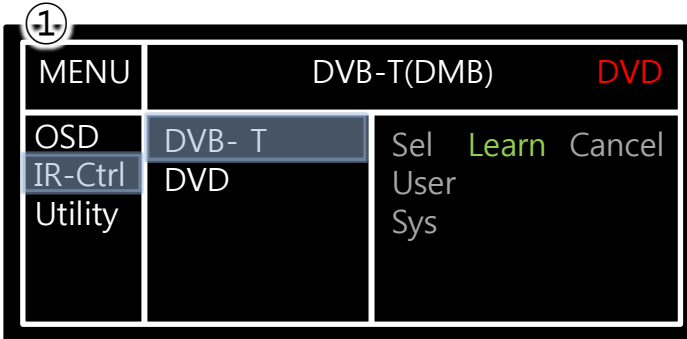
- Utility – INTERFACE SOFTWARE

Settings

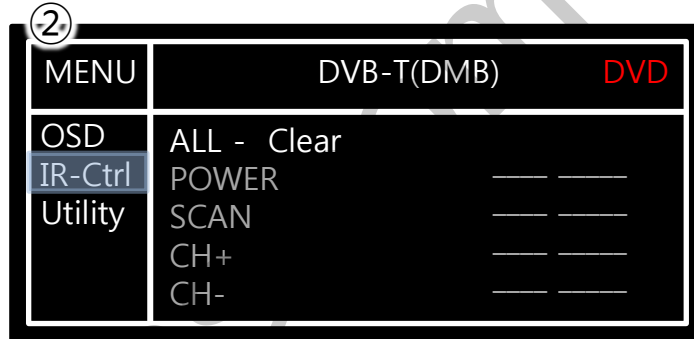
4. OSD Menu – Register IR code

※ Press "MENU" button on OSD Key board

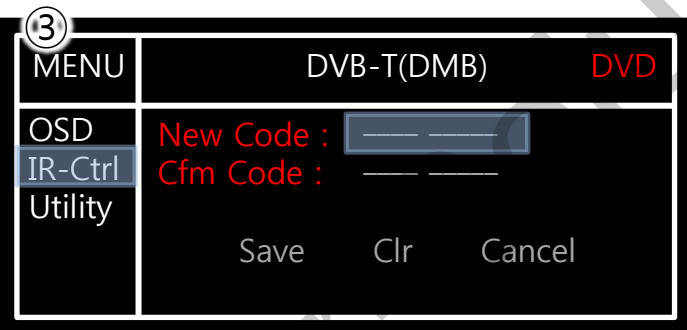
- IR Ctrl



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



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



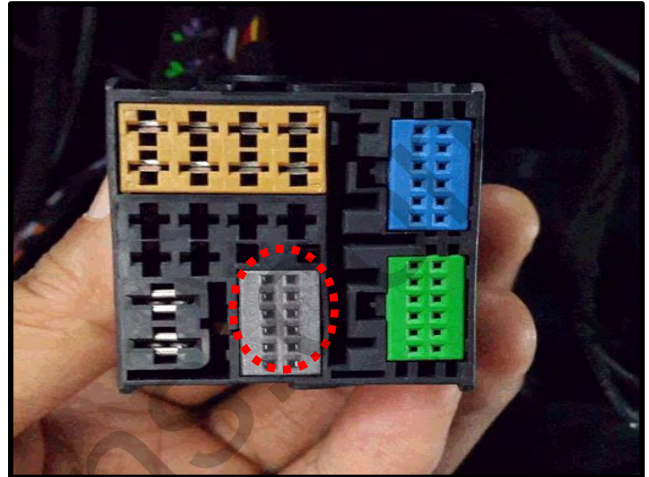
※ Caution

- Delete :
ALL Clear – Delete all value
Clr – Delete one button's Value
- Play/Pause:
To use  button, Please register the IR code in power / Pause menu separately

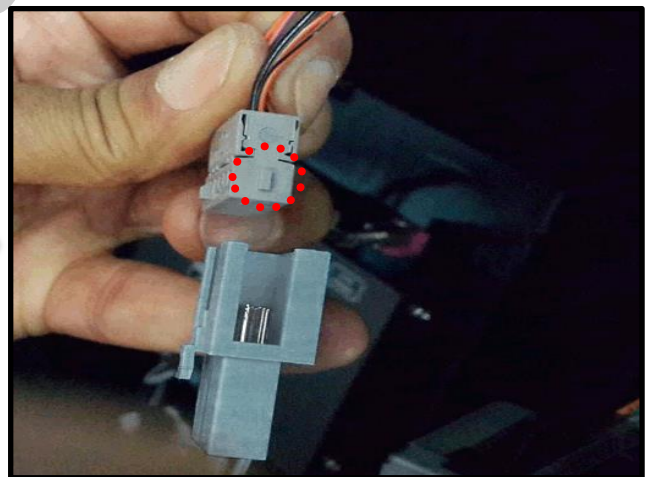
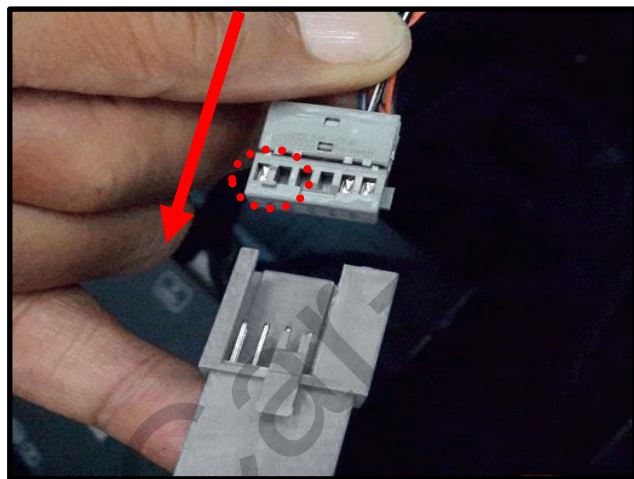
③ Press a button on the remote control of DVD/DTV then the IR code will be appeared on "New code" menu. Press the same button one more time to confirm the IR code. (Cfm code = confirm code)

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