

Instruction Manual

Toyota Camry 2016 for Camry 2016y 8"



GU ELECTRONIC

INDEX

Specifications

1.	Main Spec. -----	3
2.	Diagram -----	4
3.	Components -----	5
4.	Exterior -----	6

Settings

1.	Dip Switch -----	7
2.	Original button -----	8
3.	Touch Control -----	10
4.	OSD Menu -----	12

Installation

1.	Diagram -----	18
2.	LVDS Connection -----	19
3.	Fixing an interface board -----	20
4.	Caution -----	21

Specification

1. Main spec.

1. Input Spec. (MULTI VIDEO INTERFACE)

- 1 x Digital RGB Input (Navigation System output)
- 1 x Analog RGB Input (Navigation System output)
- 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 LVDS Input. (Car Command System)

2. Output Spec.

- 1 x LCD Output (LCD Operation)
- 1 x Analog Touch Output (Navigation System input)

1-3 Power Spec.

- Input Power : 8VDC ~ 24VDC
- Consumption Power : 12Watt, Max

1-4 Switch Input mode

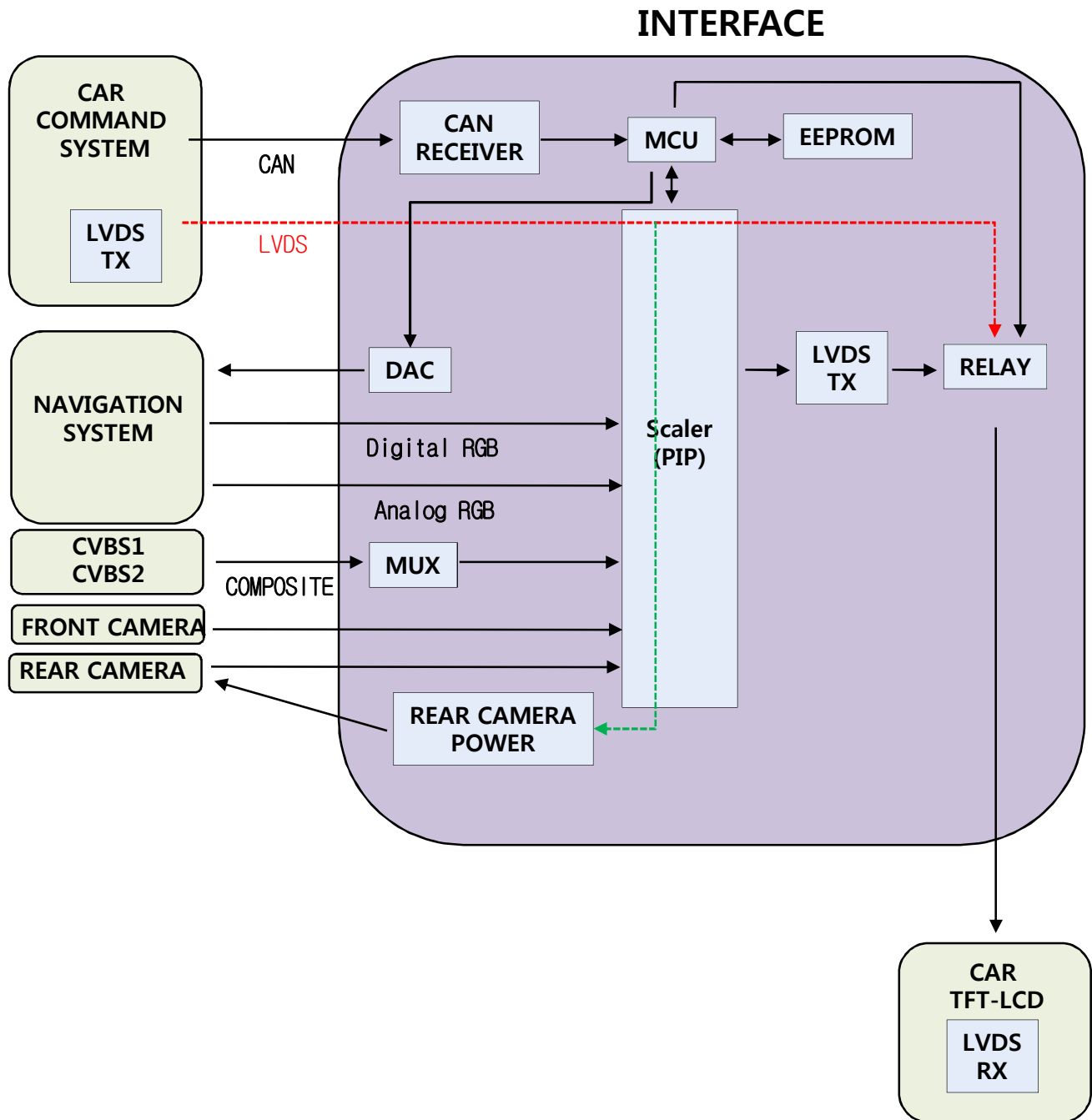
- Possible to switch input mode through original button

2. Features

- Possible to register IR code of DVD/DTV
- Easy installation

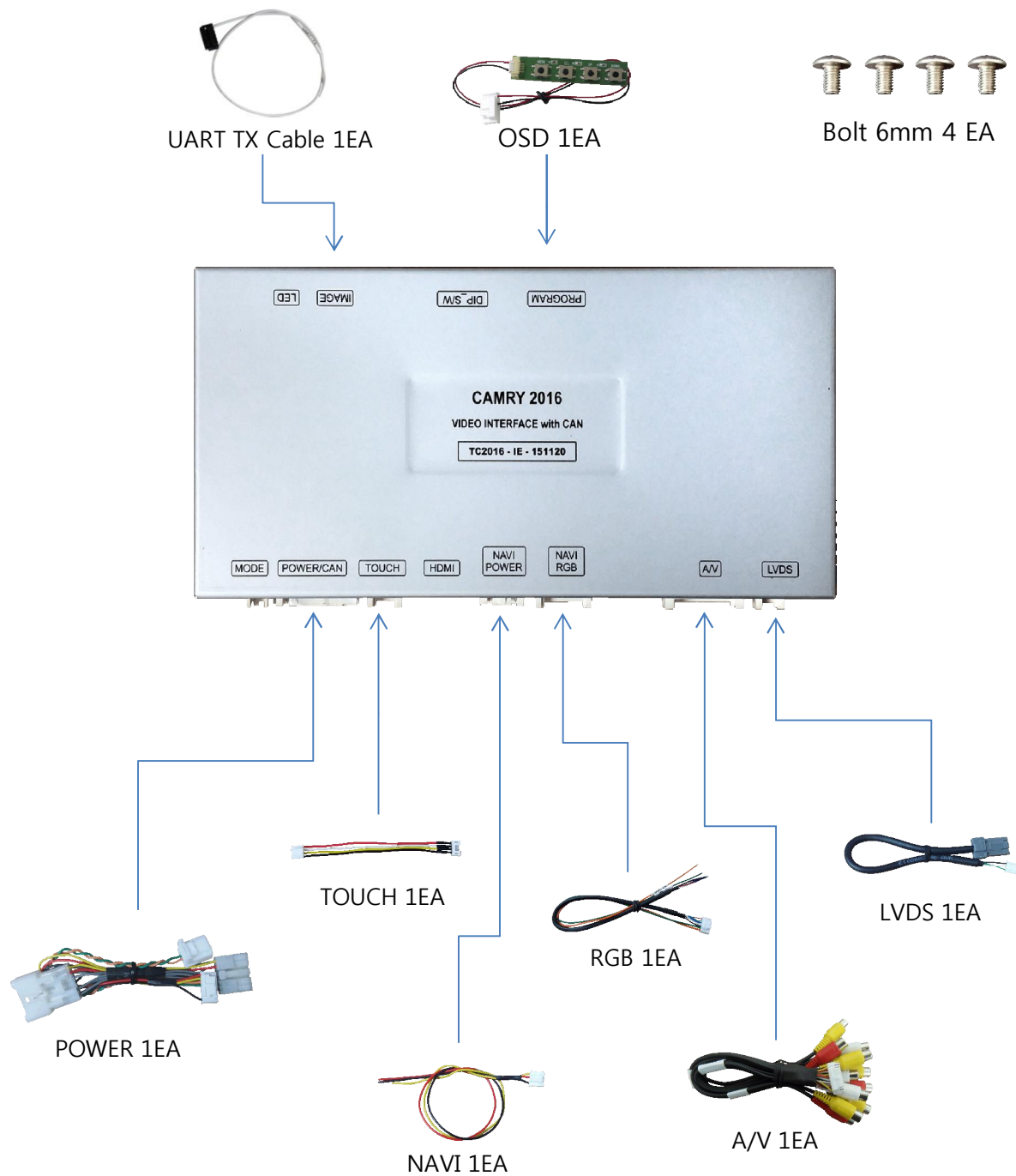
Specification

3. Diagram



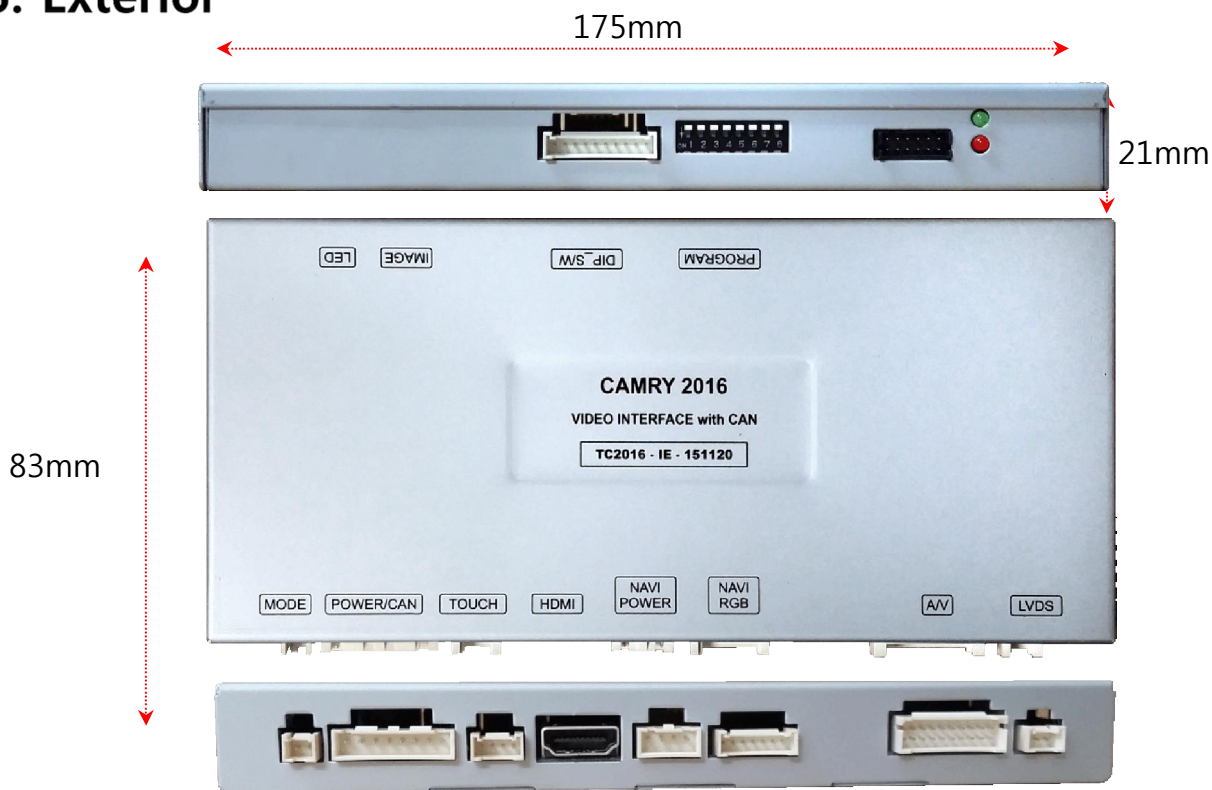
Specification

4. Components

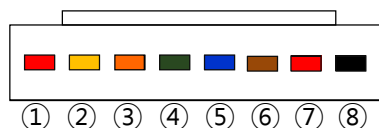


Specification

5. Exterior

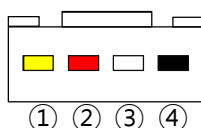


*POWER Connect



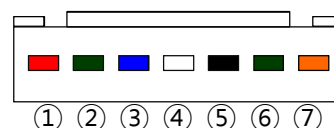
- ① ACC (Red)
- ② BATTERY (Yellow)
- ③ IE+ (Orange)
- ④ IE- (Green)
- ⑤ KEY (Blue)
- ⑥ REAR_DETECT (Brown)
- ⑦ REAR_POWER (Red)
- ⑧ GND (Black)

*NAVI-POWER Connect



- ① Battery (Yellow)
- ② ACC (Red)
- ③ NC (Blue)
- ④ GND (Black)

*NAVI Connect



- ① R DATA (Red)
- ② G DATA (Green)
- ③ B DATA (Blue)
- ④ SYNC (White)
- ⑤ GND (Black)
- ⑥ DMB IR (Green)
- ⑦ DVD IR (Orange)

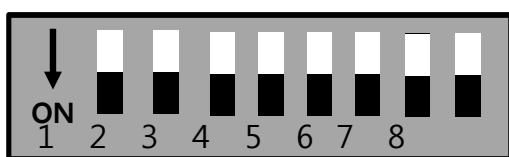
Settings

1. Dip Switch

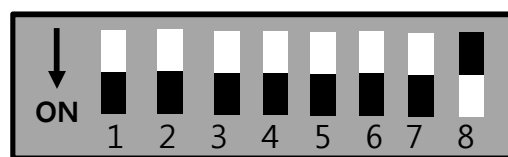
* ON : DOWN , OFF : UP

NO.	Function	Selection
1	NAVI	ON : Skip OFF : Display
2	DVB-T(AV1)	ON : Skip OFF : Display
3	DVD(AV2)	ON : Skip OFF : Display
4	N.C	ON: -
5		ON: -
6		ON: -
7		ON: FUJISTEN, Panasonic
8		ON:RAV4, Panasonic

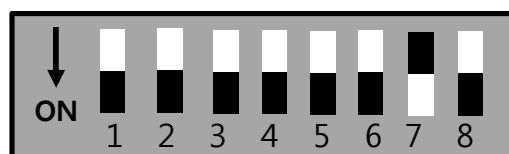
* Car model setting



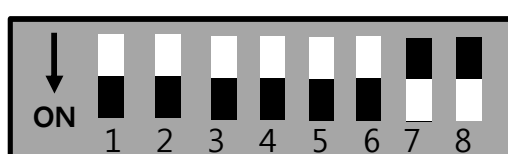
CAMRY 2016y



RAV4



FUJISTEN

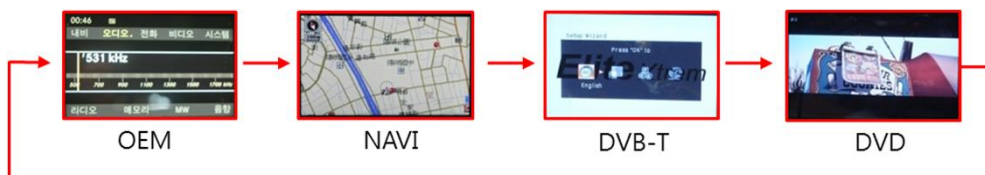


Panasonic

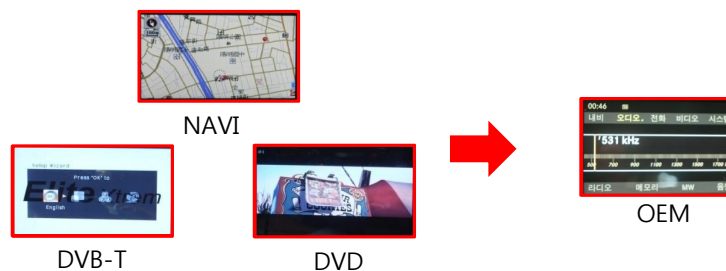
Settings

2. OEM button (FUJISTEN) - Switching mode

- MODE S/W, ☎ -> Switching mode



- HOME, ☎ -> Switching to OEM directly



Settings

2. OEM button (CAMRY) - Switching mode

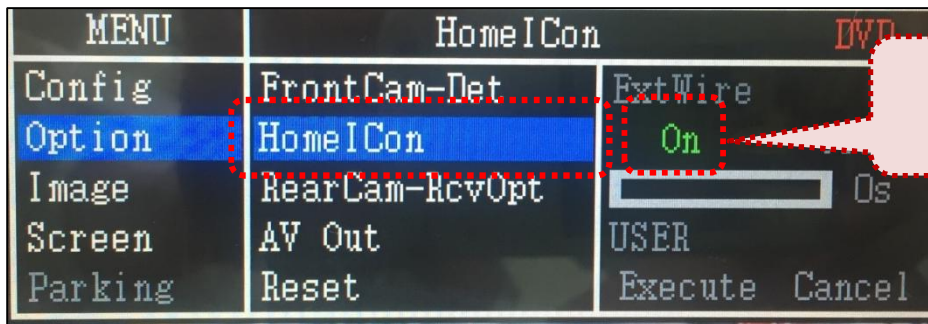
- MAP, DEST -> Switching mode



Settings

3. Touch screen - Switching mode

- ※ It is necessary to install provided capacitive touch film on OEM monitor
- ※ It is needed to select "HomeIcon-ON" in Option menu to activate HOME button



HomIcon - "ON"

Press long : Switching to OEM directly
Press short : Activating OSD menu

OSD Menu for switching input mode

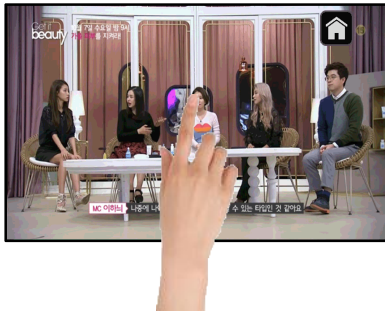


Press "HOME" button to activate OSD for mode change

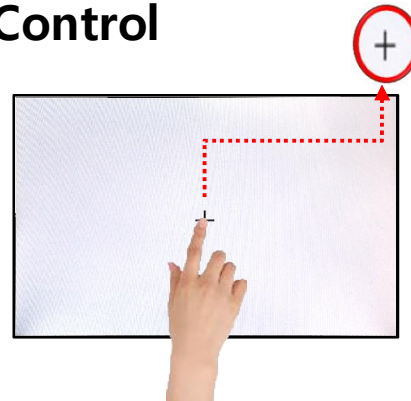
- ※ The position of Home button can be moved by dragging

Settings

2. Touch calibration, DVB-T, DVD Control

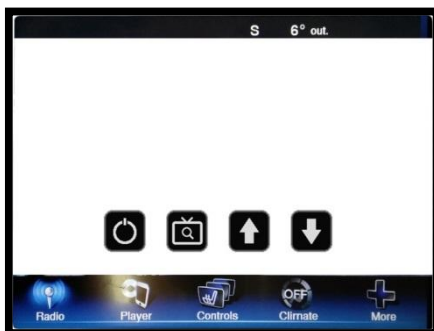


Touch OEM screen in any mode more than 7sec. For calibration
(This function can be activated only one time after switching mode)



Touch the "+" correctly

• DTV



[POWER]



[SCAN]

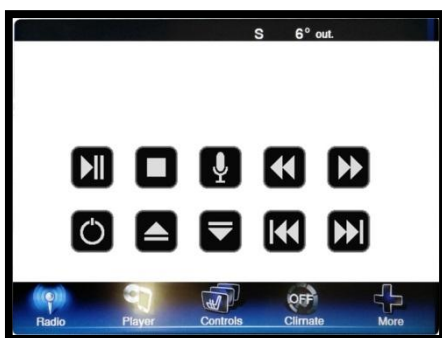


[Channel up]



[Channel down]

• DVD



[Play/Pause]



[POWER]



[stop]



[DISC UP]



[Audio]



[DISC DOWN]



[FR]



[Play next chapter]



[FF]

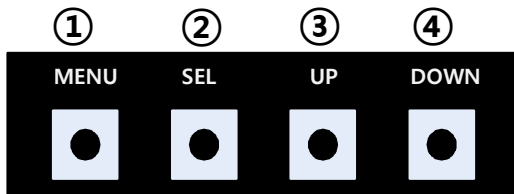


[Play previous chapter]

※ To use this function, It is necessary to offer the remote IR code to manufacturer or setting OSD IR – Ctrl (P. 17)

Settings

3. OSD Key board



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

4. OSD Menu

※Press "MENU" button on the Key board

MENU	Config		NAVI
Config	NAVI-RGB	GI5000	
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 RGB

Config – DVD : Setup for the type of DVD

Reset : Reset all value

Settings

4. OSD Menu

※Press "MENU" button on Key board

MENU	Option		NAVI
Config	RearCam-Type	OEM	
Option	RearCam-Power	Auto	
Image	RearCam-Det	IEBus	
Screen	HomeIcon	Off	
Parking	AV Out	USER	

Option

- RearCam-Type : Setup for rear camera
ExtDevice - External rear camera
OEM - Original carmera
- 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
- HomeIcon :Setup for a use of HOME button
ON – Activating HOME button
OFF – Disappearing HOME button
- 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

Settings

4. OSD Menu

※Press "MENU" button on Key board

MENU	Option	NAVI
Config	Handle BUTTON	On
Option	UI DVB-T(DMB)	Off
Image	UI DVD	Off
Screen	TCH_Opt	Off 0.5 1.5
Parking	NAVI COM	QROI

Option

- Handle BUTTON : Setting for Steering wheel button (switching mode) – On or Off
- UI DVB-T(DMB) : Setting for UI DVB-T(DMB) ICON – On or Off
- UI DVD : Setting for UI DVD ICON – On or Off
- TCH_Opt : Setup for Touch Calibration (**Only for Panasonic system**)
 - ※ You must select 'OSD → Utility → calibration → Execute' in the collation before setting the touch in the option
 - OFF - NOT USE
 - 0.5 – After finishing touch calibration, It is needed to select this option so that the stored touch value can be used.
 - 1.5 – Before doing touch calibration through navigation, It is needed to select this option
- NAVI COM : Output the touch data through UART
 - ※ 1) Necessary to get Uart protocol from Navi manufacturer
 - 2) Impossible to calibrate in Qroi
 - Setting: OSD → Config → NAVI-RGB → GI5000_WVGA (Select one of Navigation Model) → Option→ QROI (Select one of Navigation manufacturer)
- Reset : initialization

Settings

4. OSD Menu

※Press "MENU" button on Key board

- NAVI(RGB) Image / Screen

MENU	IMAGE	NAVI
Config	Brightness	<input type="range"/> 50
Option	Contrast	<input type="range"/> 50
Image	Color- RED	<input type="range"/> 50
Screen	Color- GREEN	<input type="range"/> 50
Parking	Color- BLUE	<input type="range"/> 25

MENU	Screen	NAVI
Config	Horizontal	<input type="range"/> 50
Option	Vertical	<input type="range"/> 50
Image	Scale X Up	<input type="range"/> 50
Screen	Scale X Down	<input type="range"/> 50
Parking	Scale X Up	<input type="range"/> 50

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

MENU	IMAGE	Rear
Config	Brightness	<input type="range"/> 50
Option	Contrast	<input type="range"/> 50
Image	Saturation	<input type="range"/> 50
Screen	Hue	<input type="range"/> 50
Parking	Sharpness	<input type="range"/> 25

Settings

4. 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.17)

- Utility

MENU	Utility	
OSD	Factory Reset	Execute Cancel
IR-Ctrl	Calibration	Execute Cancel
Utility	Version	TGTD01KRX - 161212

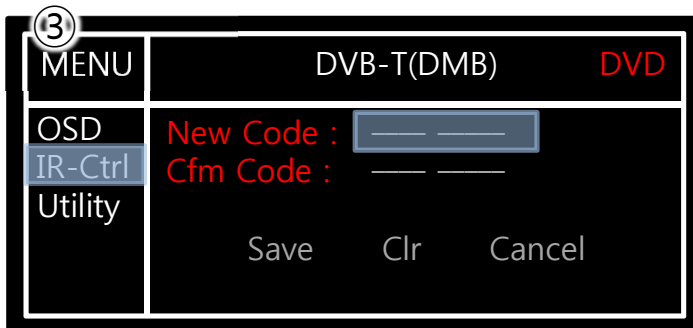
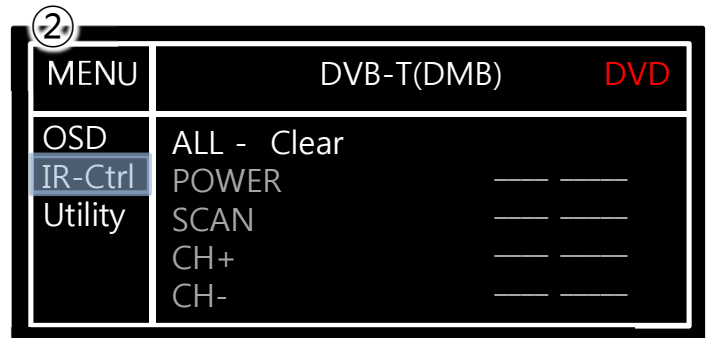
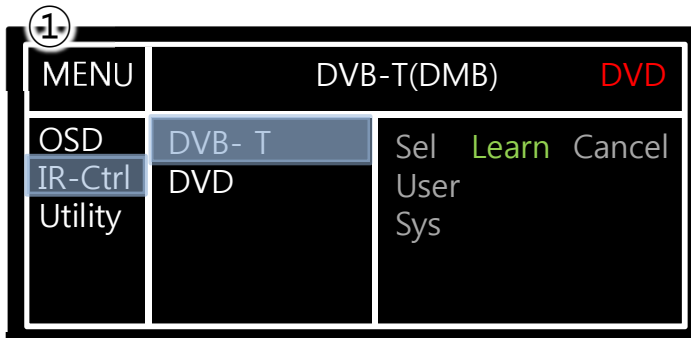
- Utility – INTERFACE SOFTWARE
- Calibration (Only for Panasonic system) – Setup for Touch Calibration
 - Execute – You must select this item in the collation before setting the touch in the 'OSD – Option'
 - Cancel – Not use
- Version – Software source

Settings

4. OSD Menu – Register IR code

※ Press "MENU" button on OSD Key board

- IR Ctrl

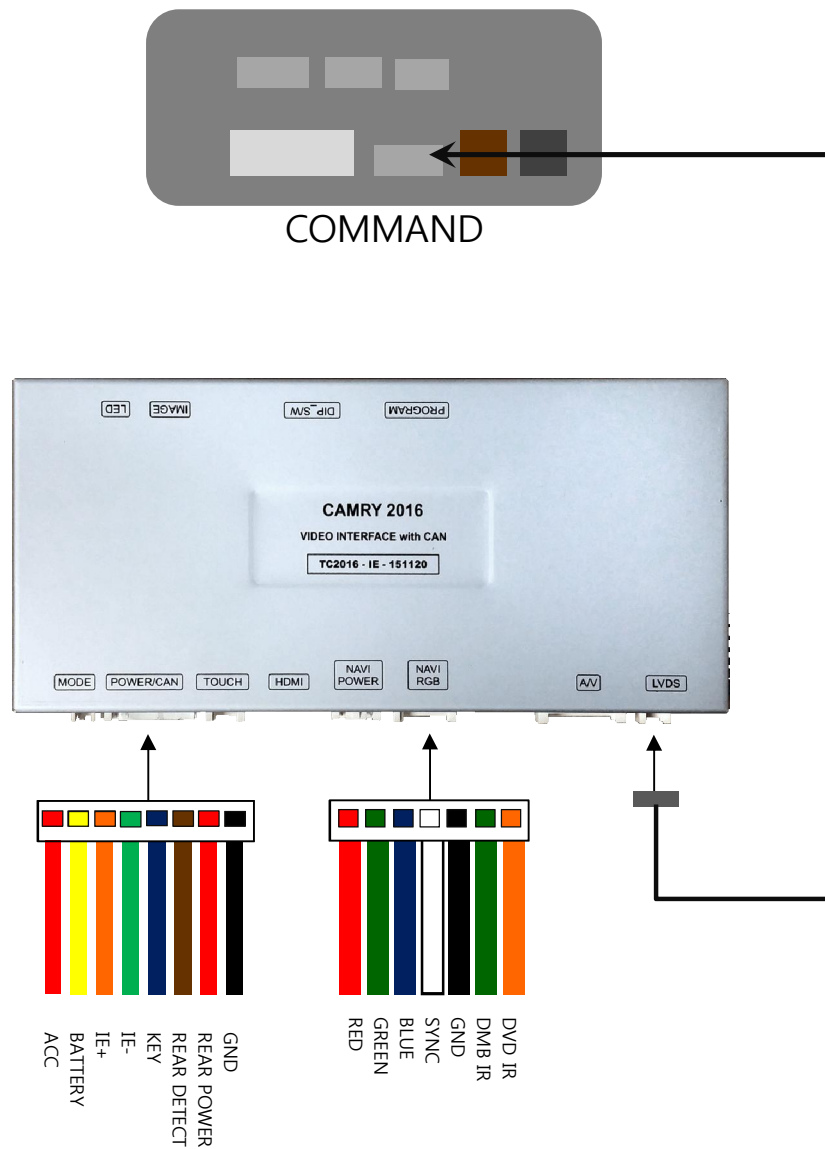


※ Caution

- 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

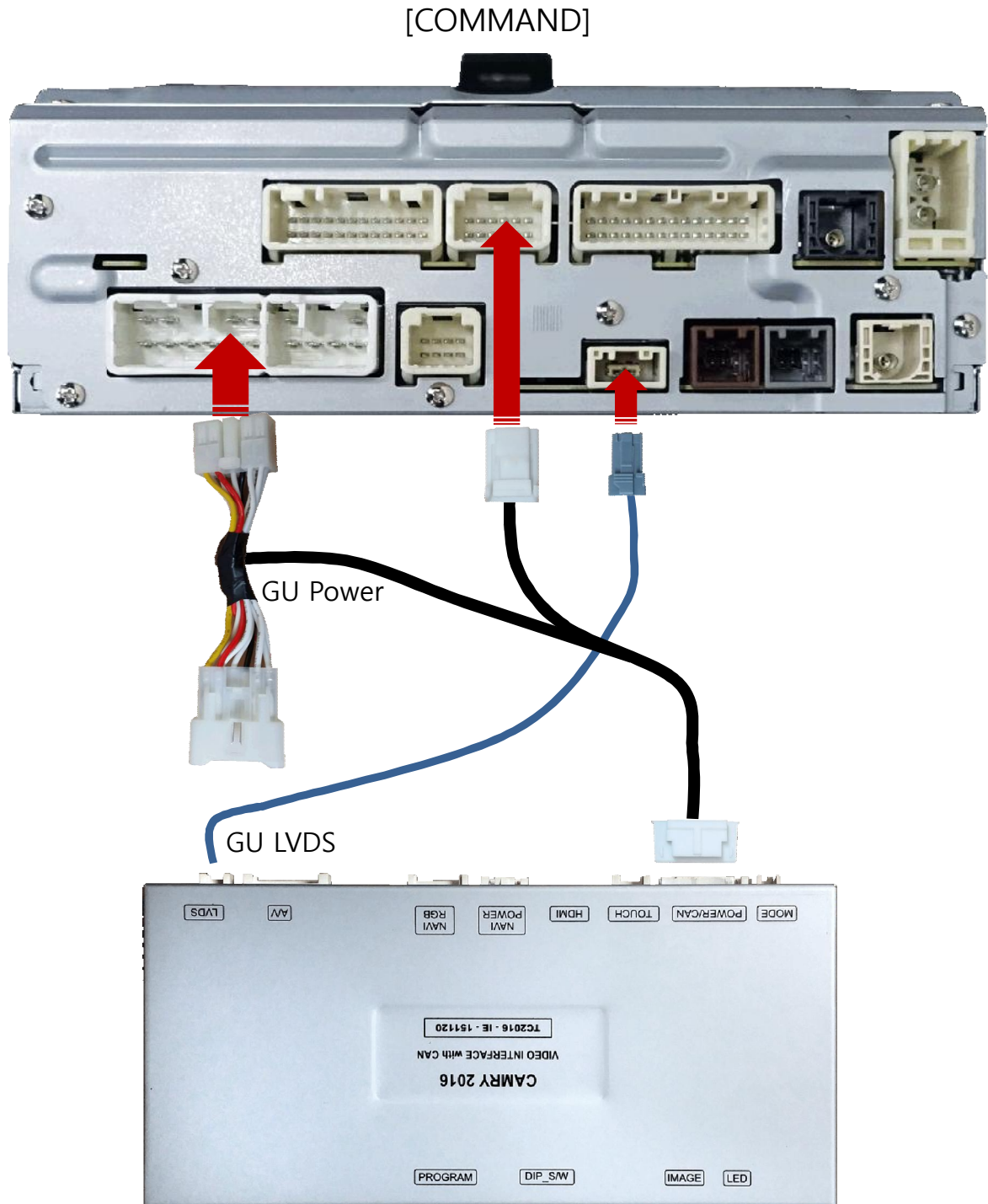
Installation

1. Installation Diagram



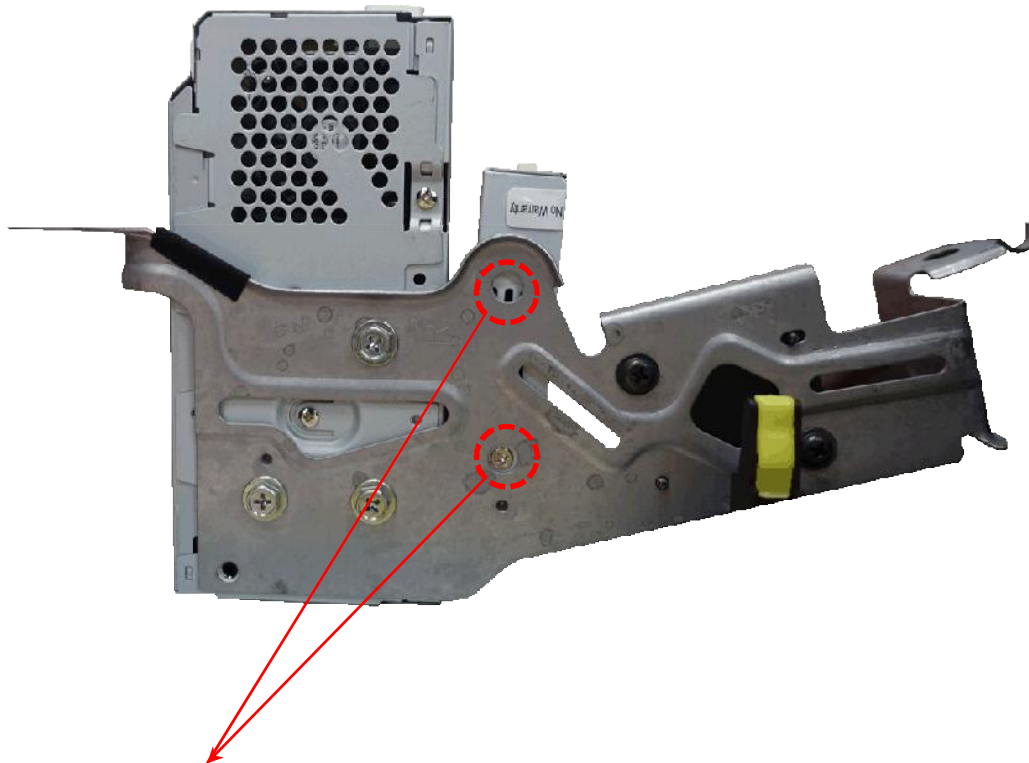
Installation

2. LVDS installation



Installation

3. Fixing an interface board



Fixing the interface by the offered bolt

※ Please fix the interface by double-sided tape in RAV4 as the hole in RAV4 does not match to the interface.

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



GU Electronic

For your better driving