

Instruction Manual

Toyota Camry 2018 for Pioneer 8"

Car-Solutions.com

INDEX

Specifications

1.	Main Spec. -----	3
2.	Diagram -----	4
3.	Components -----	5
4.	Exterior -----	8

Settings

1.	Dip Switch -----	9
2.	Original button -----	10
3.	Touch calibration-----	12
4.	Key board -----	14
5.	OSD Menu -----	15

Installation

1.	installation -----	22
2.	Caution -----	28

Specification

1. Main spec.

1-1 Input Spec. (MULTI VIDEO INTERFACE)

- 1 x Digital RGB Input (Navigation System source)
- 1 x Analog RGB Input (Navigation System source)
- 1 x CVBS(REAR CAMERA) Input. (Rear camera source)
- 1 x CVBS(FRONT CAMERA) Input. (Front camera source)

1-2 Output Spec.

- 1 x LCD Output (LCD Operation)
- 1 x Virtual Analog Touch (Navigation System source)
- 1 x Uart Digital Touch (Navigation System source)

1-3 Power Spec.

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

1-4 Switch Input mode

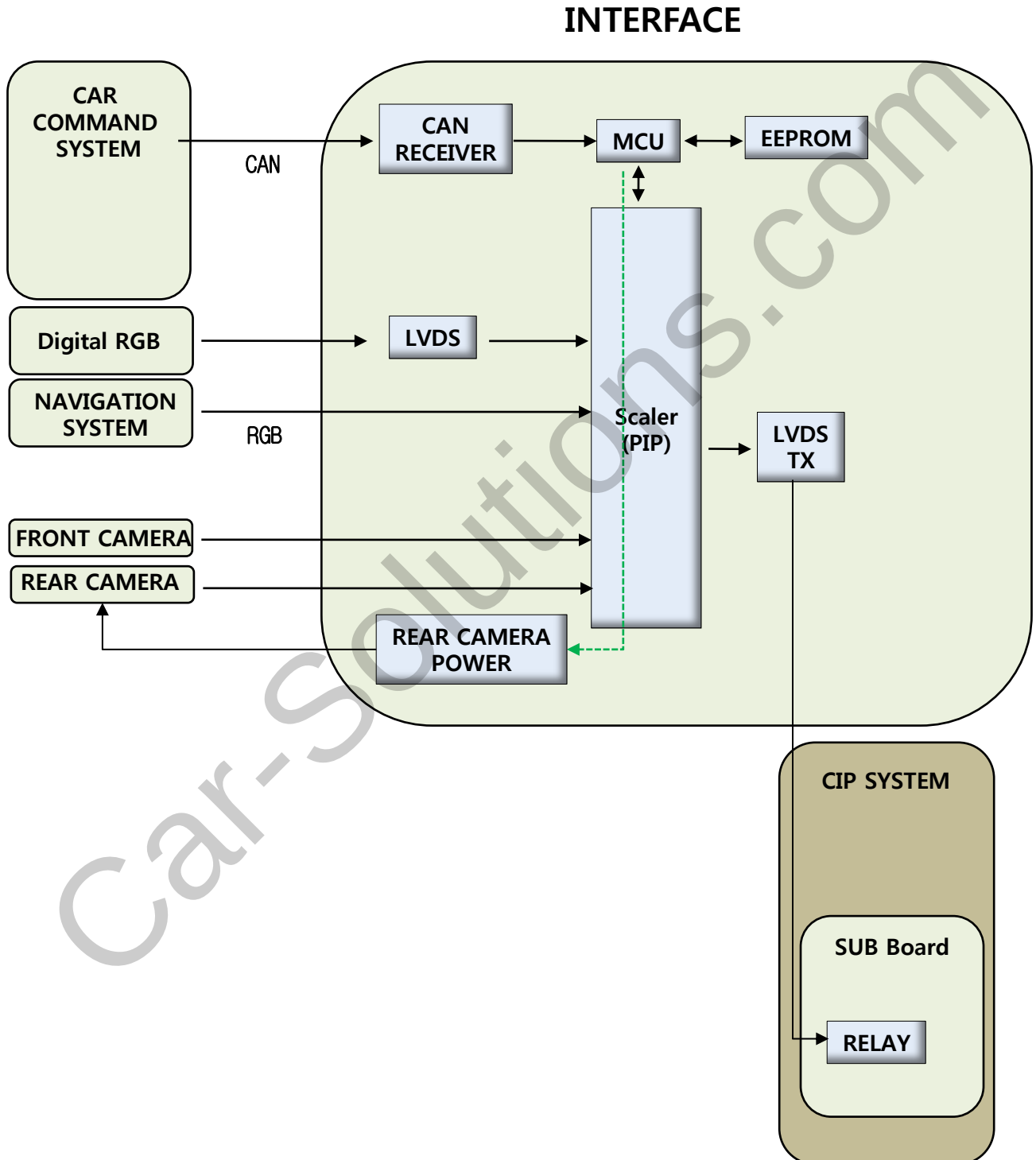
- Possible to switch input mode through original button

2. Features

- Possible to register IR code of DVD/DTV
- Easy installation by Jack by jack
- Possible to control DVD, DTV by OEM touch screen

Specification

2. Diagram



Specification

3. Components

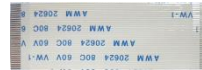
- Camry 2018 Pioneer 8"



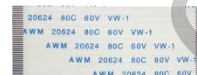
SUB Board 1EA



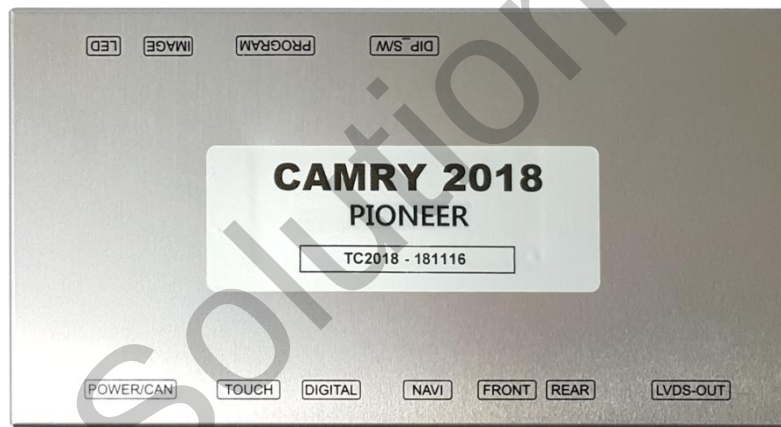
OSD Board 1EA



32PIN-50-0.5-P7



35PIN-50-0.5-P7



Power Cable 1EA



Touch Cable(KD-900) 1EA



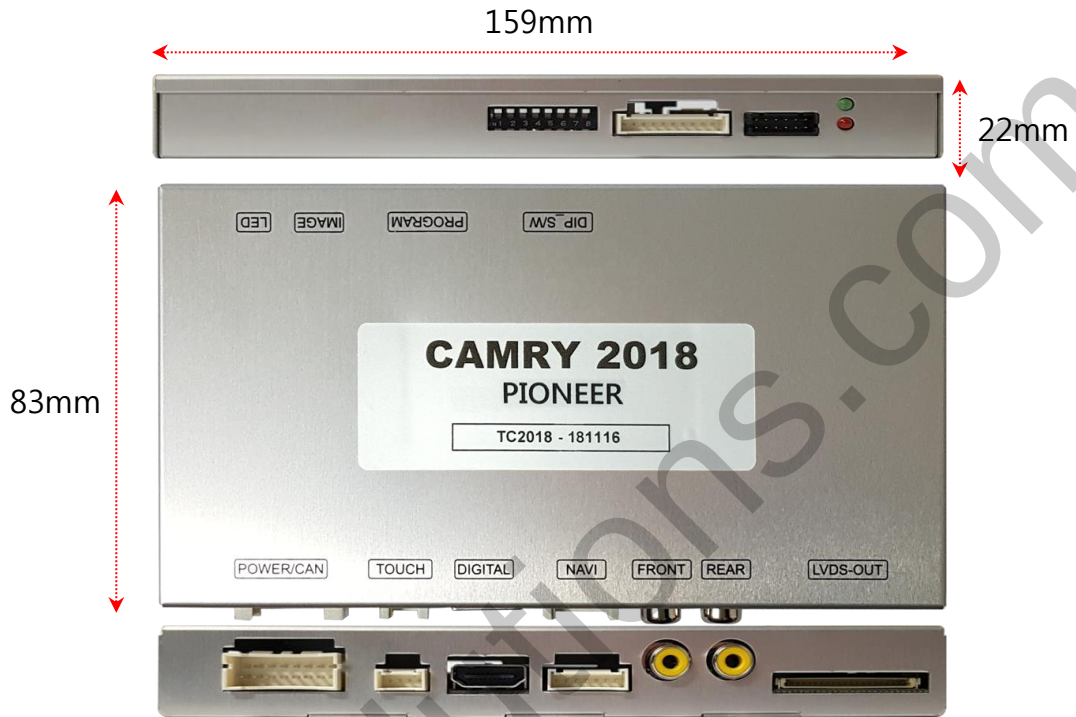
RGB NAVI Cable(7pin) 1EA



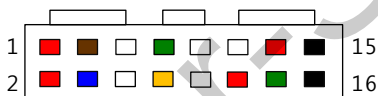
LVDS Cable (800mm) 1EA

Specification

4. Exterior

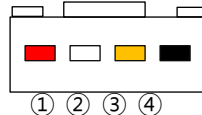


*POWER Connect



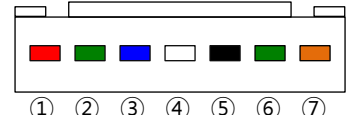
- | | |
|---------------------|---------------------|
| 1. ACC (Red) | 9. N.C |
| 2. ACC (Red) | 10. N.C |
| 3. Rear-DET (Brown) | 11. N.C |
| 4. Front-DET (Blue) | 12. Rear-VCC (Red) |
| 5. N.C | 13. Front-VCC (Red) |
| 6. N.C | 14. Mode (Green) |
| 7. CAN-L (Green) | 15. GND (Black) |
| 8. CAN-H (Orange) | 16. GND (Black) |

*Touch Connect



- | |
|------|
| ① Y- |
| ② X |
| ③ Y+ |
| ④ X+ |

*NAVI Connect



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

Settings

1. Dip Switch

* ON : DOWN , OFF : UP

NO.	Function	Selection
1	NAVI	ON : Skipping NAVI OFF : Display
2	AV1 (DVB-T)	ON : Skipping AV1 (DVB-T) OFF : Display
3	AV2 (DVD)	ON : Skipping AV2 (DVD) OFF : Display
4	HDMI	ON : Skipping HDMI OFF : Display
5	N.C	
6	Car Model	Refer to the pictures as below
7		
8		

* Example



CAMRY(2018) Panasonic 8"



CAMRY(2018) Pioneer 8"



CAMRY(2018) Fujitsuten 7"
RAV4(2019) Fujitsuten 7"

Settings

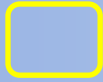
2. Original button (Monitor)



<Switching mode>



- Long press to switch to interface screen
- Short press to switch to OEM screen



- Switch to OEM screen



- Display OEM screen for 2 seconds and return



- Display OEM screen for 4 seconds and return

※ Possible to set the use of button in OSD menu (P15, P16)

※ The screen is switched in order as the pictures below



Settings

2. Original button (Steering wheel)



<Switching mode>



- Long press to switch to interface screen
- Short press to switch to OEM screen

※ Possible to set the use of button in OSD menu (P15, P16)

※ The screen is switched in order as the pictures below



Settings

3. Touch screen – Touch calibration

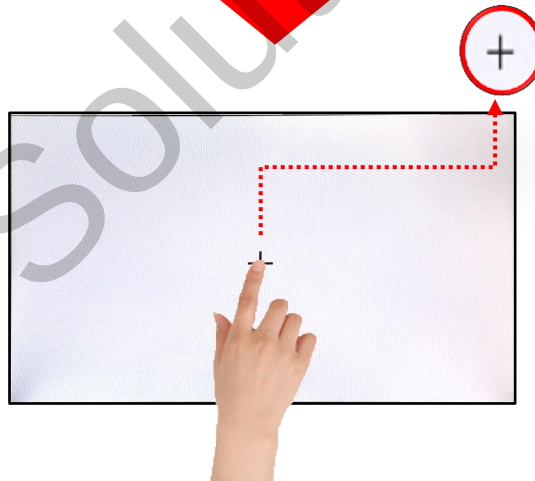


OR

MENU	Calibration		NAVI
OSD	Factory Reset	Execute	Cancel
IR-Ctrl	Calibration	Execute	Cancel
Utility	Version	TCTH00KRX-180401	

Touch OEM screen in any mode more than 11 sec. For calibration
(This function can be activated only one time after switching mode)

Setup for Touch calibration
(OSD Menu – Utility – Calibration – Execute or Cancel)



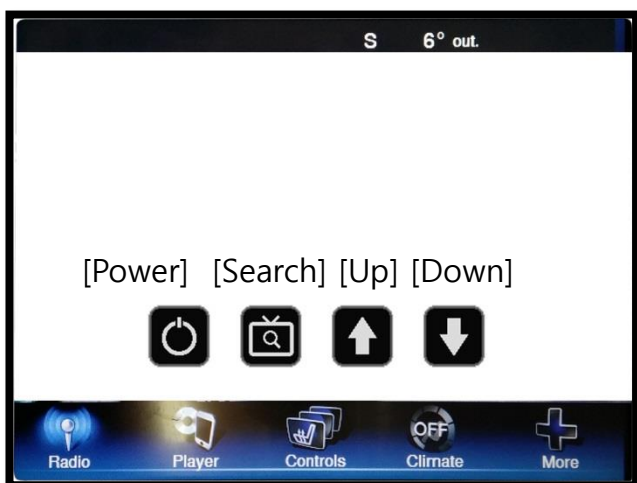
Touch the "+" correctly

Settings

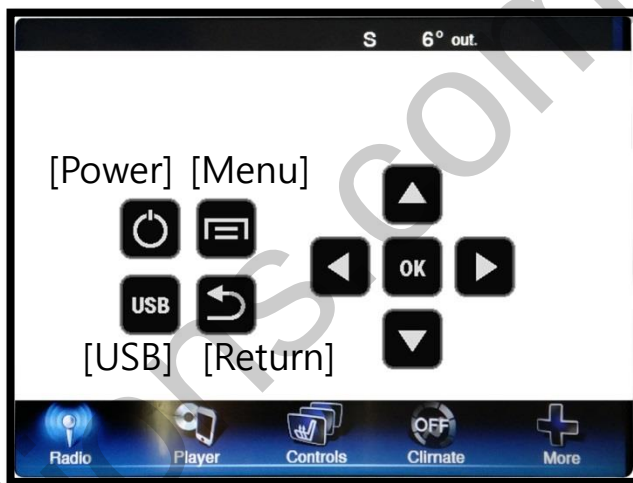
3. Touch screen – DVD, DTV control

※ Calibration : Touch any point of screen more than 11sec to start a touch calibration

- **DTV** – Please contact a supplier in advance for using this function

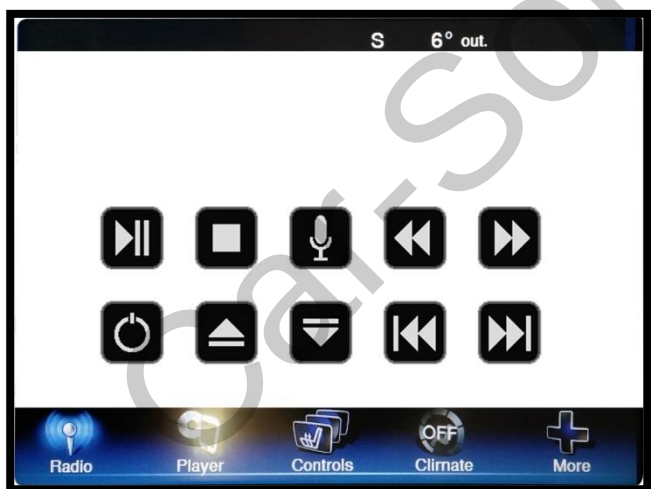


[Button type-1]



[Button type-2]

- **DVD**

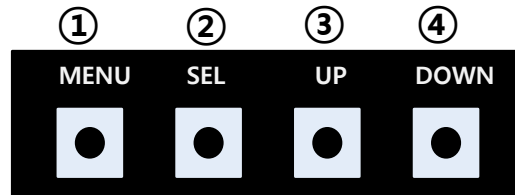


- | | |
|--------------|-------------------------|
| [Stop] | [MIC] |
| [DVD up] | [DVD down] |
| [Play/pause] | [FF] |
| [Power] | [Play Next chapter] |
| [Rewind] | [Play Previous chapter] |

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

Settings

4. OSD Key board



- ① MENU :Activating OSD Menu
- ② SEL :Selection
- ③ Up :Moving upward (Increasing value)
- ④ Down :Moving downward (Decreasing value)

5. OSD Menu

※Press "MENU" button on Key board

MENU	Config		NAVI
Config	NAVI-RGB	GI5000-WVGA	
Option	DVB-T(DMB)	ELT_DVBT20	
Image	DVD	ELT_980XU Slim	
Screen	HDMI	CASTIT	
Parking	RearCam	AVM	

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

Config - HDMI : Setup for the type of HDMI

Config – RearCam(AVM) : Setup for the type of Around View

Reset : Reset all value

Settings

5. 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	WIRE
Screen	AV Mode	On Off
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
CAN - By CAN
WIRE - By rear cam detect wire
OFF - Rear detection OFF
- AV Mode : Change "Rear" input as Video input
ON - Video input (Rearcam TYPE in OSD menu should be "OEM")
OFF - Rear input
- FrontCam-Type : Setup for front camera
ExtDevice - External rear camera
OEM - Original camera

Settings

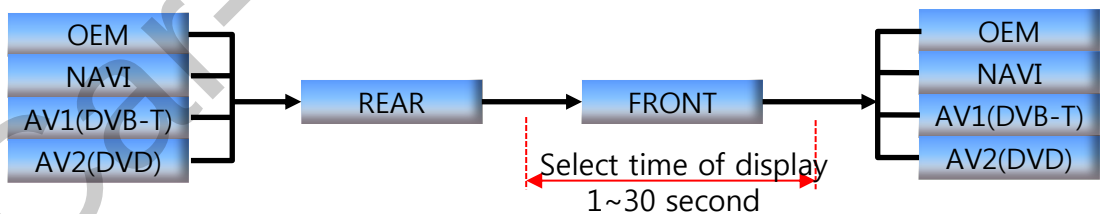
5. OSD Menu

※Press "MENU" button on Key board

MENU	Option	NAVI
Config	Front Cam-Power	Auto
Option	Front Cam-Det	ExtWire
Image	Front Cam-RcvOpt	0s
Screen	SteeringWheelBtn	Off
Parking	Button	HOME MAP ALL OFF

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
GEAR - By CAN
Extwire – by rear cam detect wire
- FrontCam-RcvOpt : Selecting time of displaying Front camera before switching to RGB, DVD, OEM from Rear



- Button : Setting for OEM Home button (Switching Mode)
HOME/MAP/ALL : Switching mode by Home or MAP or both button
OFF : Not use

Settings

5. OSD Menu

※Press "MENU" button on Key board

MENU	Option		NAVI
Config	ScrChg-Btn	On	
Option	NAVI COM	On	
Image	Reset	Execute	Cancel
Screen			
Parking			

Option

- ScrChg-Btn : Setup for switching from external screen to OEM mode screen
 ※ The OEM screen will appear only for 2 or 4sec.
 ON – ON
 OFF - OFF
- NAVI COM : Connect touch through UART
 ※ Necessary to get Uart protocol from NAVI Manufacturer
- Reset : Reset all value

Settings

5. 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 X 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

5. OSD Menu

※Press "MENU" button on Key board

- Parking guide line ON/OFF

MENU	Parking Rear	
Config	Line Display	On
Option	Warning Lang	English
Image	Horizontal	<input type="range"/> 50
Screen	Vertical	<input type="range"/> 50
Parking	Reset	Execute Cancel



Parking line "ON"

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

- Warning Language for rear screen

MENU	Parking Rear	
Config	Line Display	On
Option	Warning Lang	English
Image	Horizontal	<input type="range"/> 50
Screen	Vertical	<input type="range"/> 50
Parking	Reset	Execute Cancel

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

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	English
Image	Horizontal	<input type="range"/> 50
Screen	Vertical	<input type="range"/> 50
Parking	Reset	Execute Cancel

Possible to adjust the position of line
by Keypad in Horizontal / Vertical menu
※ After pressing the "Horizontal" / "Vertical" in OSD menu
The OSD screen automatically disappears.
In this state, Please adjust the position by Keypad

MENU	SEL	UP	DOWN
Left	Right	UP	Down

Settings

5. 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	Horizontal	
OSD	Factory Reset	Execute Cancel
IR-Ctrl	Calibration	Execute Cancel
Utility	Version	TCTH00KRX - 180401

- Utility – INTERFACE SOFTWARE

Settings

5. OSD Menu– Register IR code

※Press "MENU" button on Key board

- IR Ctrl

①

MENU	DVB-T(DMB) DVD	
OSD	DVB - T	Sel Learn Cancel
IR-Ctrl	DVD	User
Utility		Sys

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

②

MENU	DVB-T(DMB) DVD	
OSD	ALL - Clear	
IR-Ctrl	POWER	_____
Utility	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

③

MENU	DVB-T(DMB) DVD	
OSD	New Code : _____	
IR-Ctrl	Cfm Code : _____	
Utility	Save Clr Cancel	

※ 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

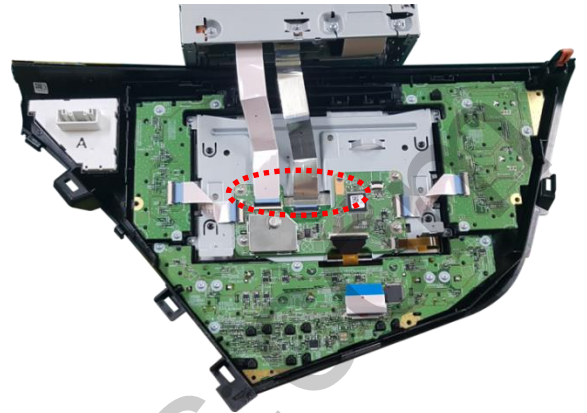
③ Press a button on the remote control of DVD/DTV then the IR code will be appeared on "New code" menu. Press the same button one more time to confirm the IR code. (Cfm code = confirm code)

Installation

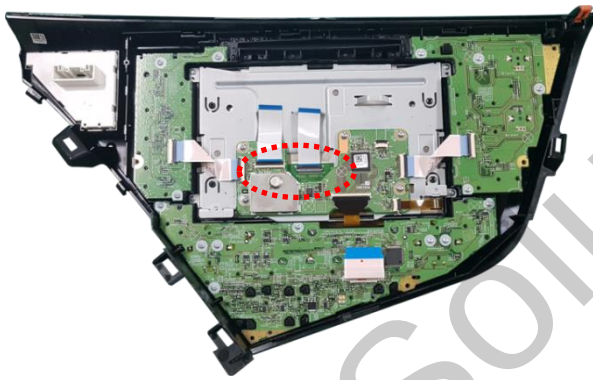
2. Camry 2018 Pioneer 8"



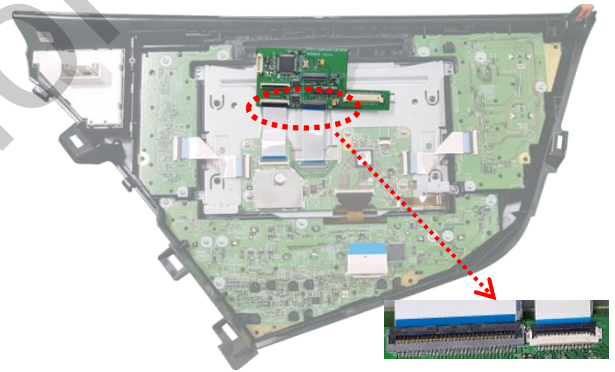
① Loosen all screws in the back of monitor



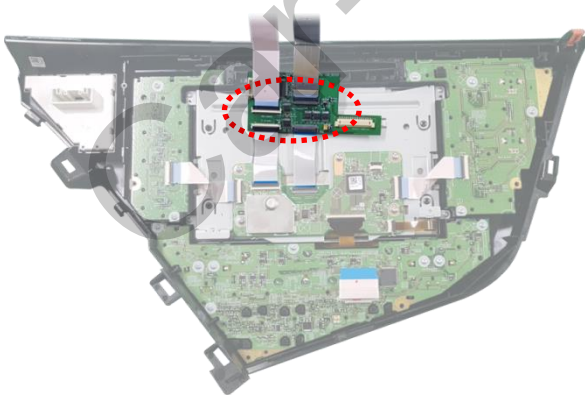
② Disconnect an OEM FPC cable from an OEM PCB board



③ Connect the offered FFC cable to the OEM PCB board



④ Connect the opposite side of the offered FFC cable to the offered Sub-board



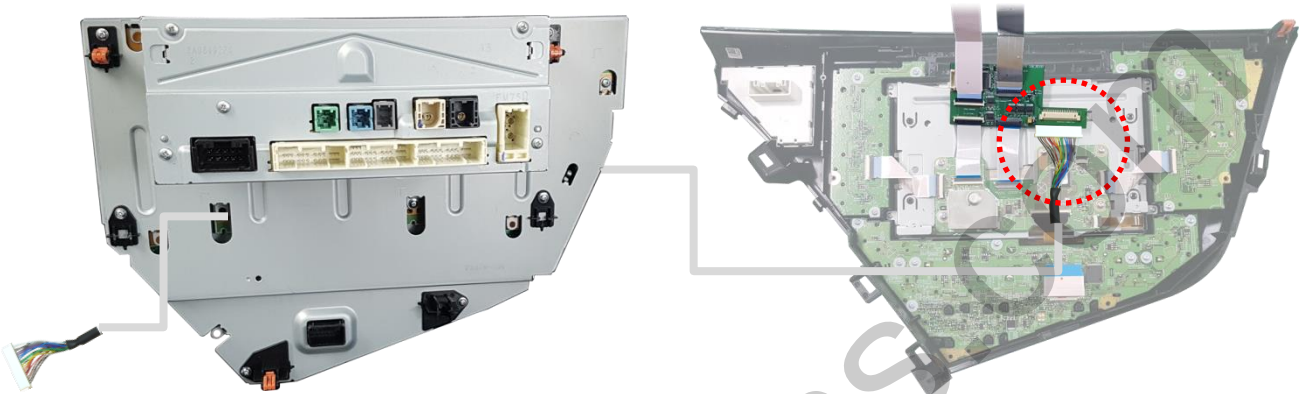
⑤ Connect the OEM FPC cable to the offered Sub-board



⑥ Before assembling the monitor, Put the LVDS cable into the hole as marked

Installation

2. Camry 2018 Pioneer 8"



⑦ Connect the LVDS cable to the offered sub-board

Caution

2. 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)

3. 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