

Instruction Manual

PCM4.1_PAS_TD for Porsche panamera



GU ELECTRONIC

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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)

1-2. 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

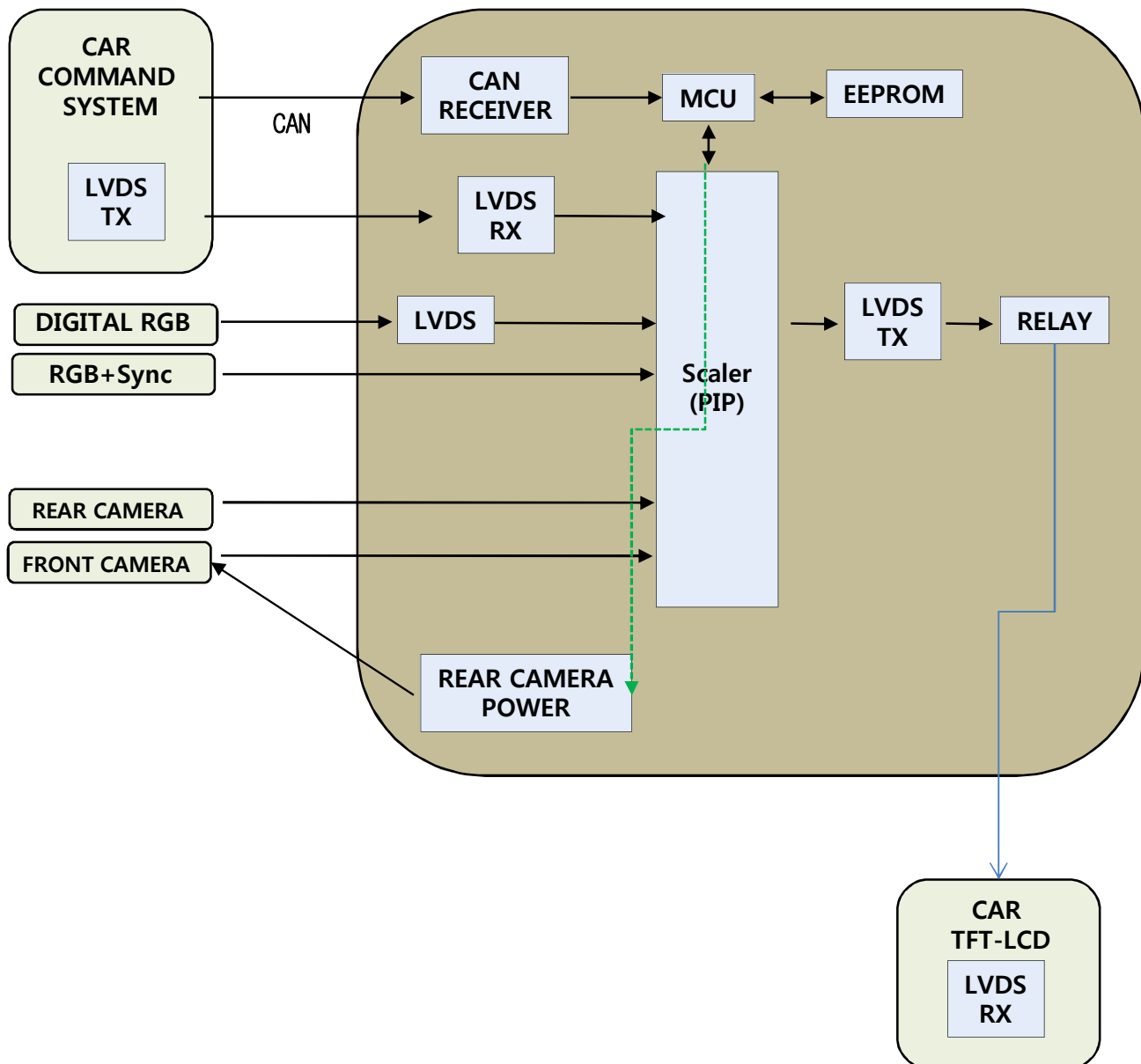
- By OEM button via CAN (P.

2. Features

- Possible to use an original touch screen for external device
- Easy installation by plug&play

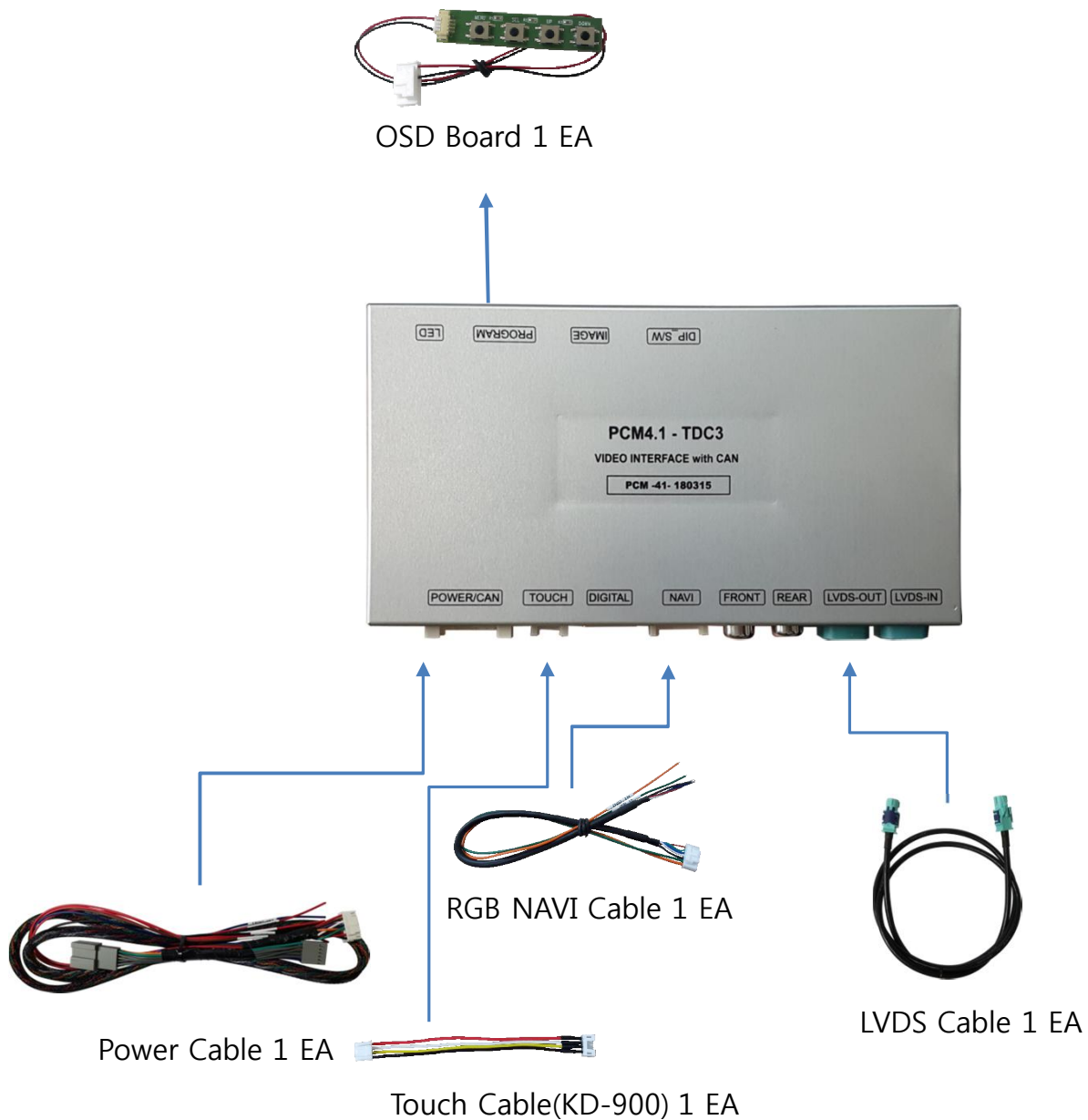
Specification

3. Diagram



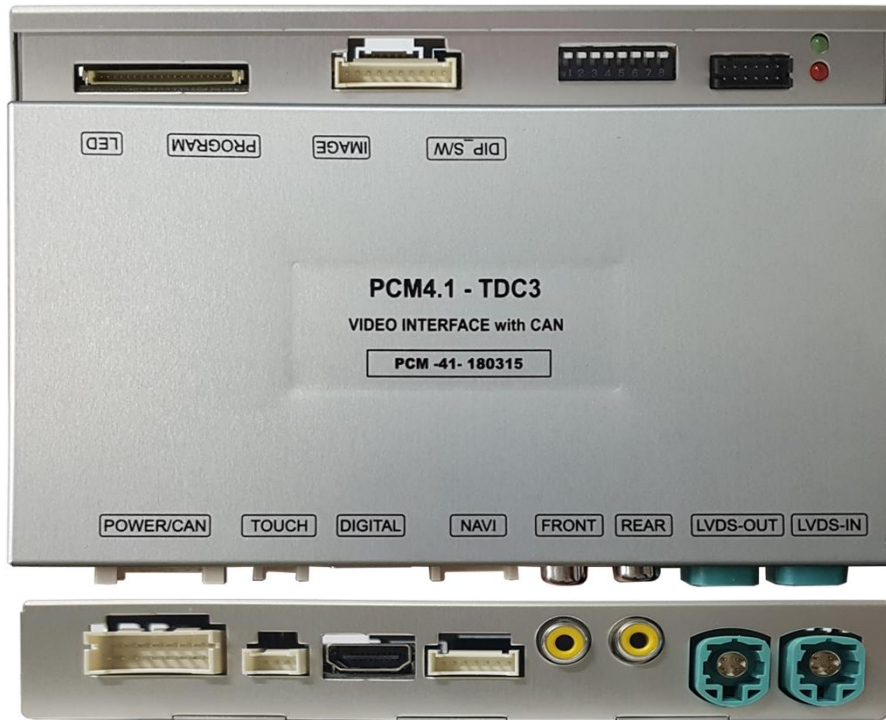
Specification

4. Components

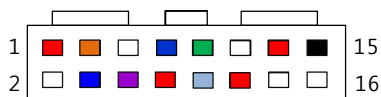


Specification

5. Exterior

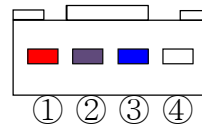


*POWER Connect



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

*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 DMB IR (TX)(Green)
- ⑦ DVD IR (RX) (Orange)

Settings

1. Dip Switch

* ON : DOWN , OFF : UP

NO.	Function	Selection
1	NAVI	ON : Skipping NAVI OFF : Display
2	AV1	ON : Skipping Video OFF : Display
3	AV2	ON : Skipping Video OFF : Display
4	N.C	
5	CAR model	
6		OFF: Panamera, GT
7		OFF: Panamera, GT
8		OFF: Panamera ON : GT

* Example



Porsche 2017 Panamera 12"



Bentley 2018 Continental GT 12"

Settings

2. Original button – Porsche2017 Panamera 12”

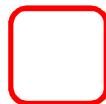
- Switching mode (Command)



- DIP-SW 1 must be OFF in case of installing Navigation



Return OEM display



mode change



MENU	NAV Btn	NAVI
Config	UI DVB-T(DMB)	On
Option	UI DVD	On
Image	NAV Btn	Short Long Off
Screen	NAVI COM	Off
Parking	Reset	Execute Cancel

*NAVI Button setting

- Short : Short press for switching mode
- Long : long press (more than 1sec) for switching mode
- OFF : Not used

Settings

2. Original button – Porsche2017 Panamera 12"

- Switching mode (Steering wheel)



Mode change

MENU	SteeringWheelBtn	NAVI
Config	FrontCam-Power	Auto
Option	FrontCam-Det	ExtWire
Image	FrontCam-RcvOpt	Os
Screen	SteeringWheelBtn	On Off
Parking	SteeringChannel	Off

Setting

- ON : activating
- OFF : Not used



DVB-T Channel Up/Down

MENU	SteeringChannel	NAVI
Config	FrontCam-Power	Auto
Option	FrontCam-Det	ExtWire
Image	FrontCam-RcvOpt	Os
Screen	SteeringWheelBtn	Off
Parking	SteeringChannel	On Off

Setting

- ON : activating
- OFF : Not used

Settings

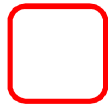
2. Original button – Bentley2018 Continental GT 12"



- DIP-SW 1 must be OFF in order to install Navigation



Return OEM display



mode change



MENU	NAV Btn	NAVI
Config	UI DVB-T(DMB)	On
Option	UI DVD	On
Image	NAV Btn	Short Long Off
Screen	NAVI COM	Off
Parking	Reset	Execute Cancel

*NAVI Button setting

- Short : Short press for switching mode
- Long : long press (more than 1sec) for switching mode
- OFF : Not used

Settings

3. Touch screen – Touch calibration

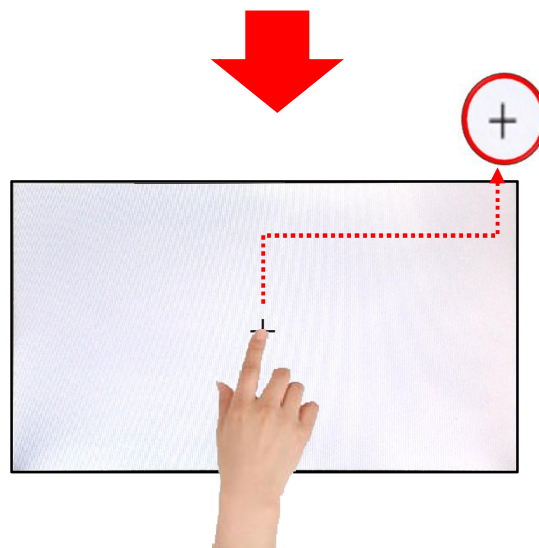


OR

MENU	Calibration		NAVI
OSD	Factory Reset	Execute	Cancel
IR-Ctrl	Calibration	Execute	Cancel
Utility	Version	MLTH00KRX-171213	

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)



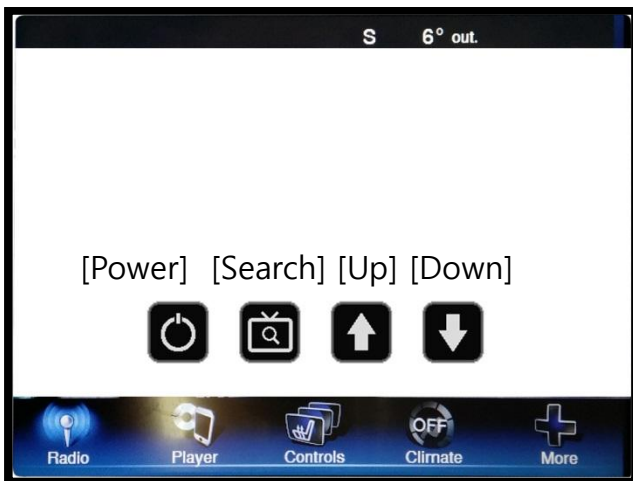
Touch the "+" correctly

Settings

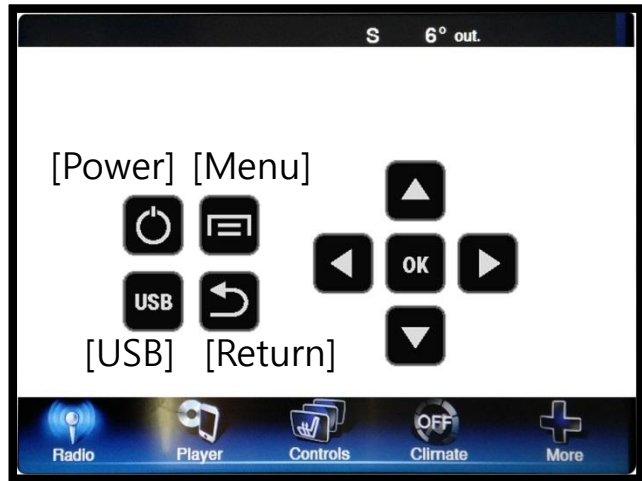
3. Touch screen – DVD, DTV control

※ 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

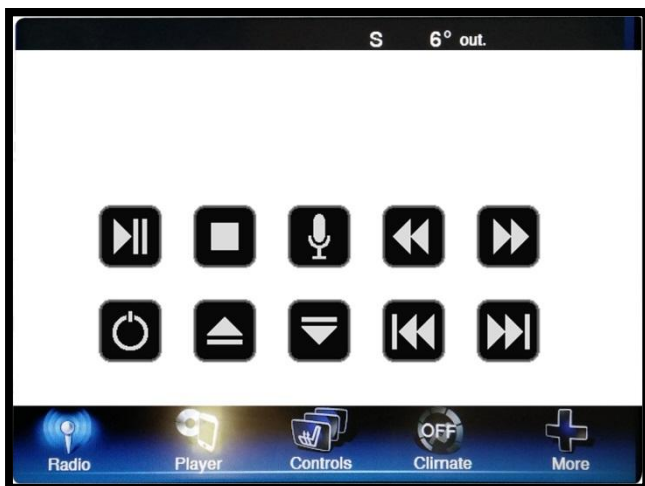


[Button type-1]



[Button type-2]

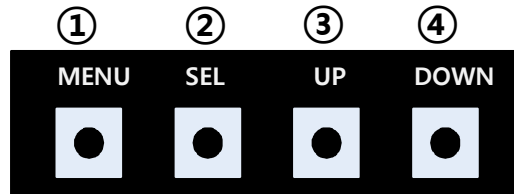
- **DVD**



※ To use this function, It is necessary to offer the remote IR code to manufacturer or setting OSD IR – Ctrl (P. 19)

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 Key board

MENU	Config		NAVI
Config	NAVI-RGB	DIGITAL_WVGA	
Option	DVB-T(DMB)	ELT_DVBT20	
Image	DVD	ELT_980XU Slim	
Screen	HDMI	iPhone5	
Parking	Reset	Execute	Cancel

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
Reset : Reset all value

Settings

4. OSD Menu

※ Press "MENU" button on OSD 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 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
GEAR - 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

Settings

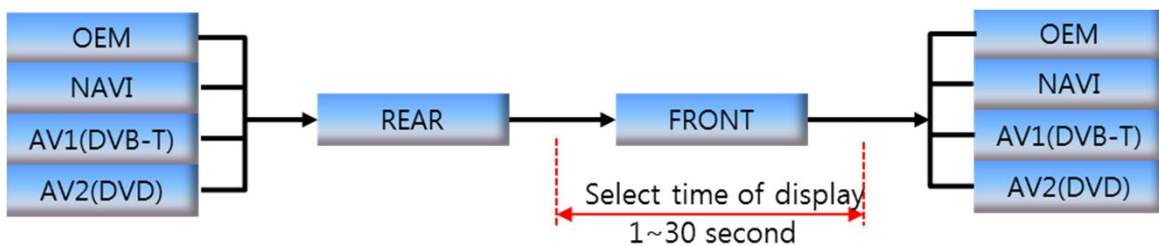
4. OSD Menu

※ Press "MENU" button on OSD Key board

MENU	Option		NAVI
Config	FrontCam-Det	ExtWire	
Option	RearCam-RcvOpt	0s	
Image	AV Out	USER	
Screen	Reset	Execute Cancel	
Parking			

Option

- FrontCam-Det : Setup for front detection
ExtDevice - External rear camera
OEM - Original camera
- RearCam-RcvOpt : Selecting time of displaying Front camera before switching to RGB, DVD, OEM from Rear



- 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
- Reset : Reset all value

Settings

4. OSD Menu

※ Press "MENU" button on OSD 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

4. OSD Menu - Parking mode

※ Press "MENU" button on OSD Key board

- PDC ON/OFF – **Not available**

MENU	Parking		Rear
Config	OPS Display	On	Off
Option	Line Display	On	
Image	Warning Lang	한국어	
Screen	Horizontal		50
Parking	Vertical		50

Selecting a use of OPS(PDC) picture
(OSD Menu – Parking – OSD Display – ON or OFF)

- Language

MENU	Parking		Rear
Config	OPS Display	On	Off
Option	Line Display	On	
Image	Warning Lang	한국어	
Screen	Horizontal		50
Parking	Vertical		50

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

Settings

5. OSD Menu

※Press "MENU" button on Key board

- OSD

MENU	Horizontal	
OSD	Horizontal	<input type="range"/> 50
IR-Ctrl	Vertical	<input type="range"/> 50
Utility	Display	<input type="range"/> 10s
	Transparency	<input type="range"/> 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.19)

- Utility

MENU	Calibration	NAVI	
OSD	Factory Reset	Execute	Cancel
IR-Ctrl	Calibration	Execute	Cancel
Utility	Version	MLTH00KRX-171213	

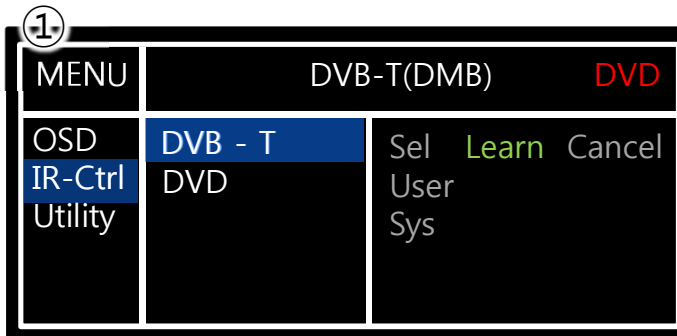
- Utility – INTERFACE SOFTWARE

Settings

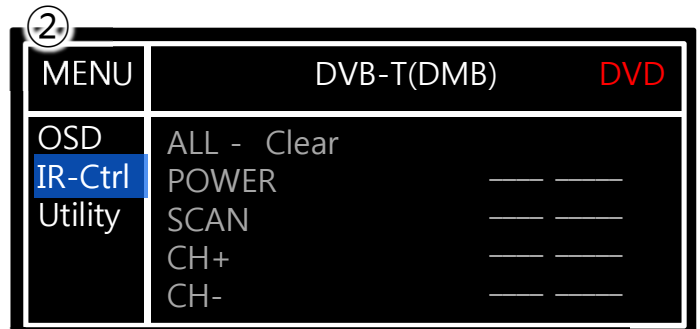
5. OSD Menu– Register IR code

※Press "MENU" button on Key board

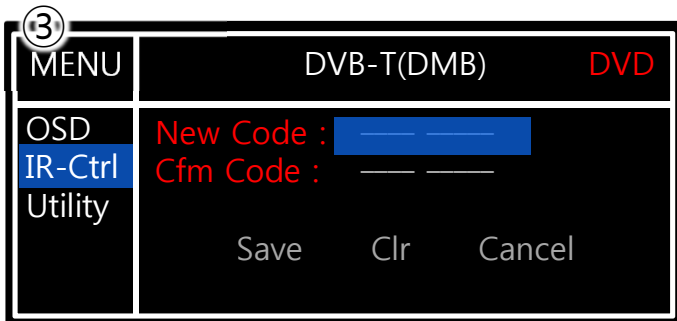
- IR Ctrl



① Select IR Ctrl → DVB/DVD → 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



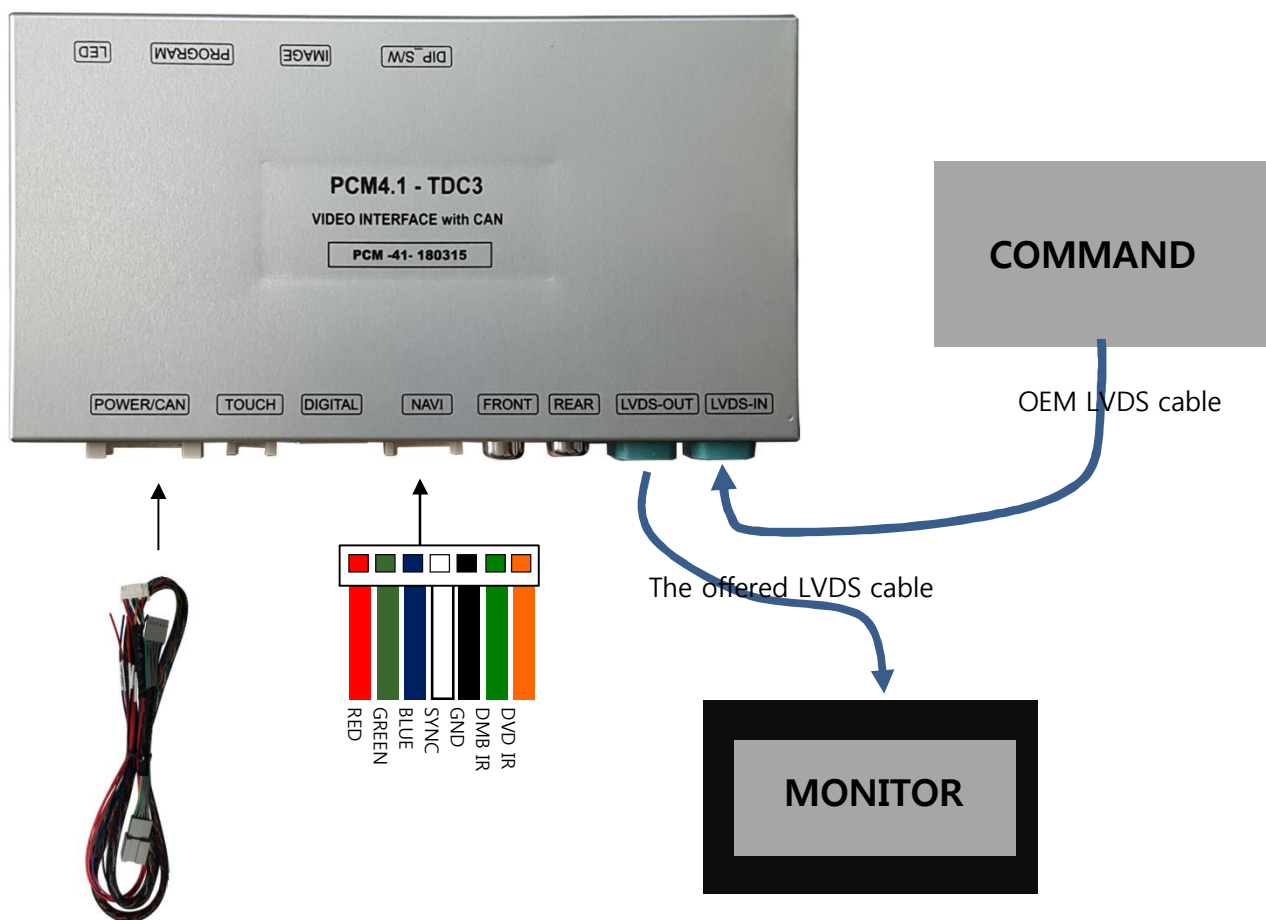
③ Press a button on the remote control of DVD/DTV then the IR code will appear on "New code". Press the same button one more time to confirm the IR code.
(Cfm code = confirm code)

※ 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

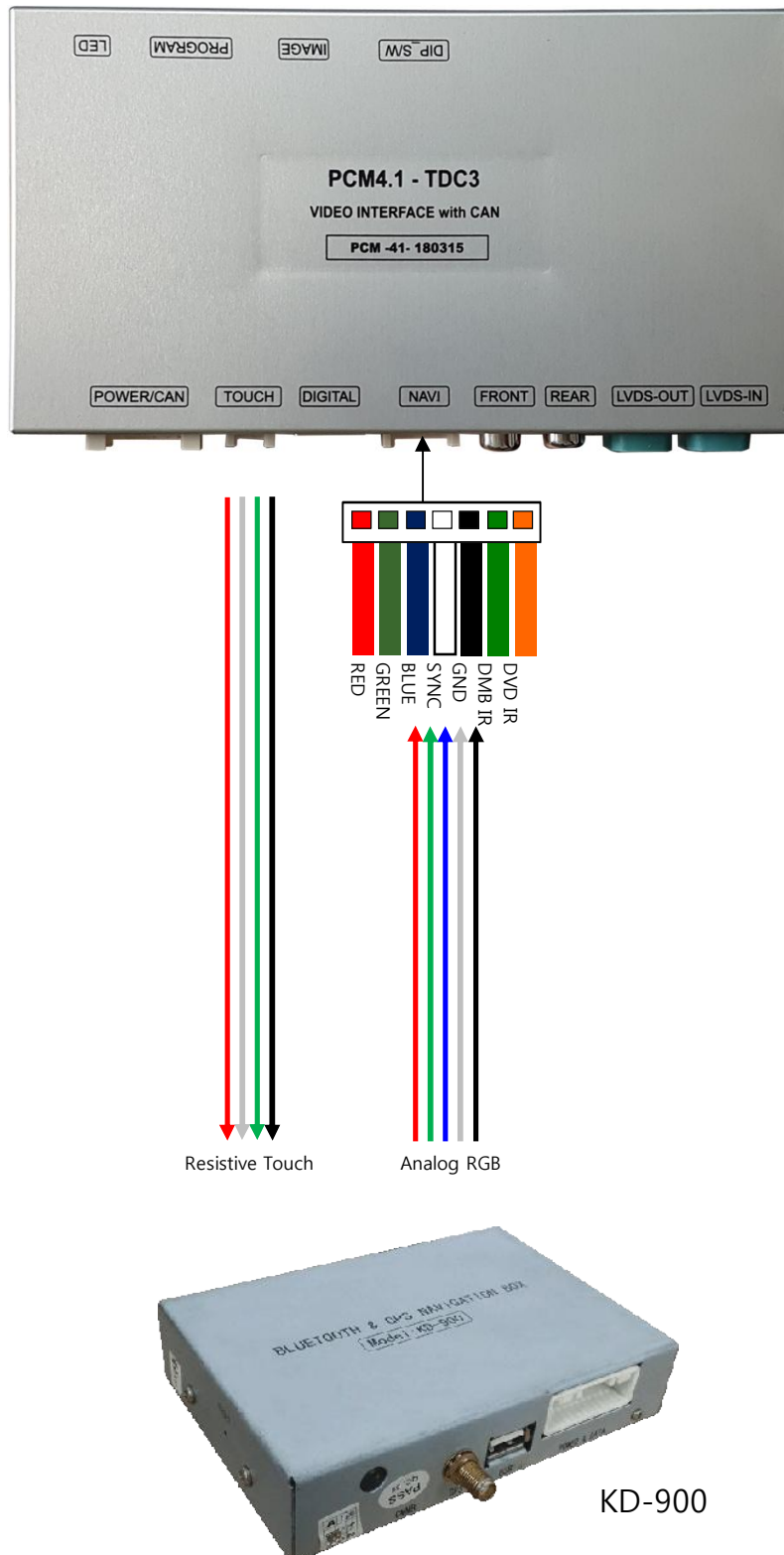
Installation

1. Installation Diagram



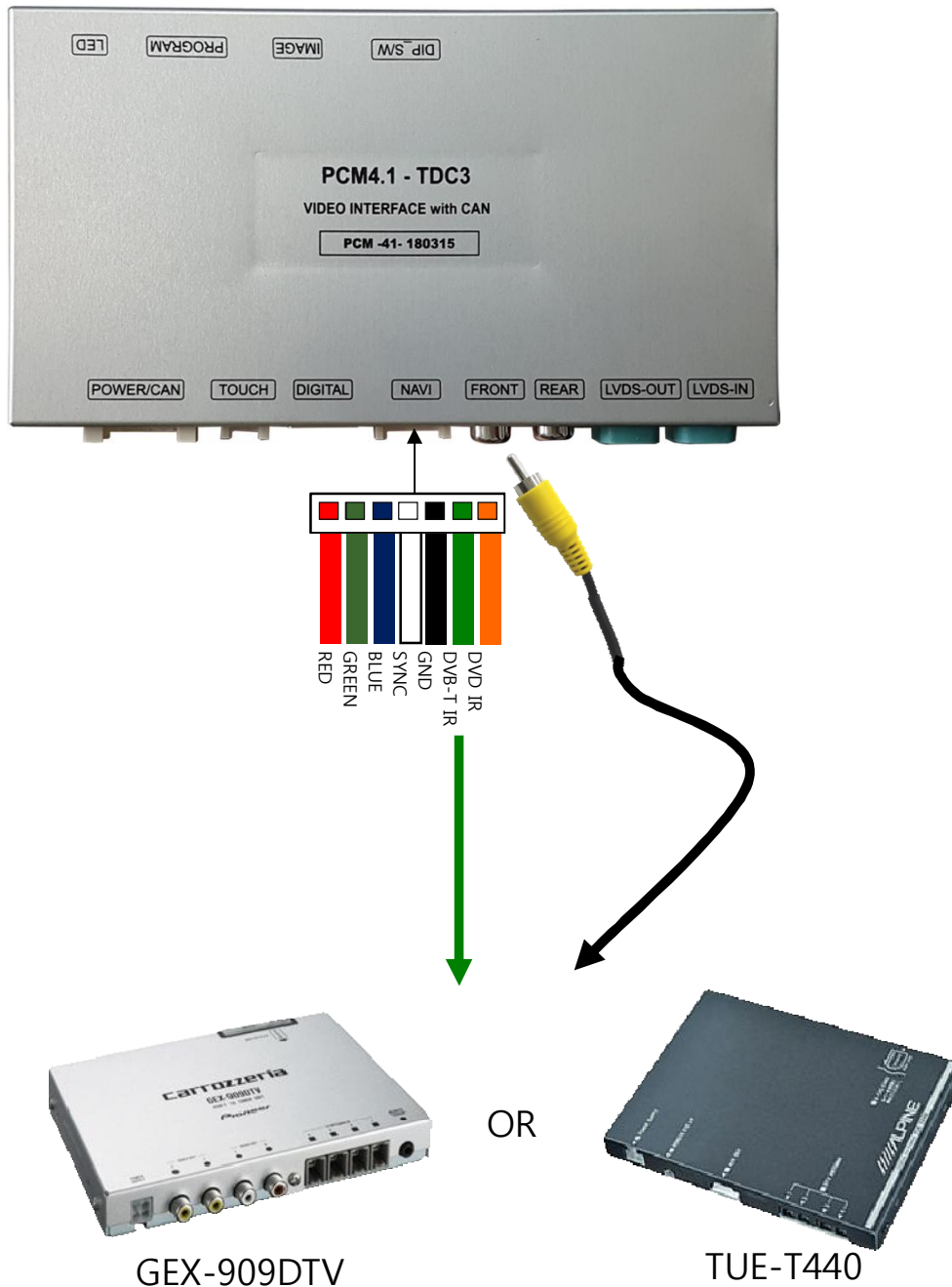
Installation

1. Installation - Navigation



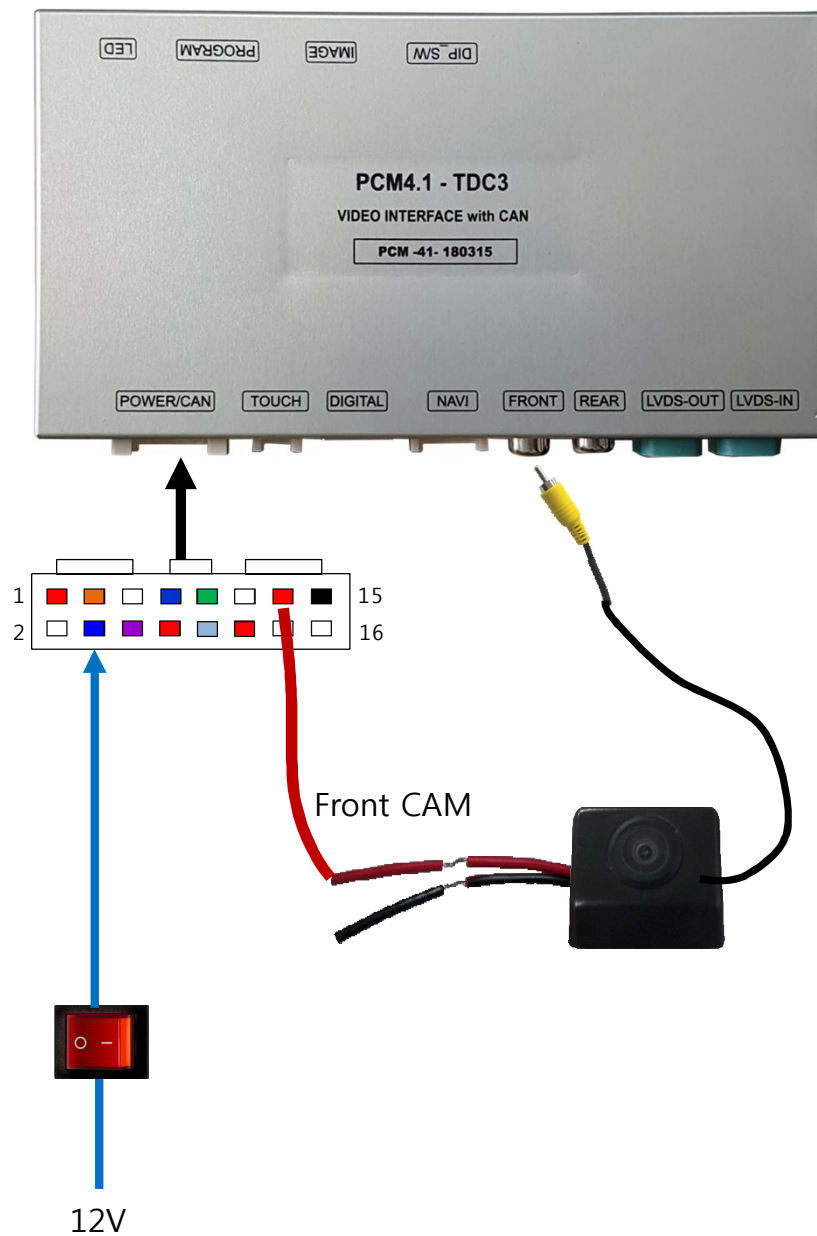
Installation

2. Installation – AV1/DVB-T



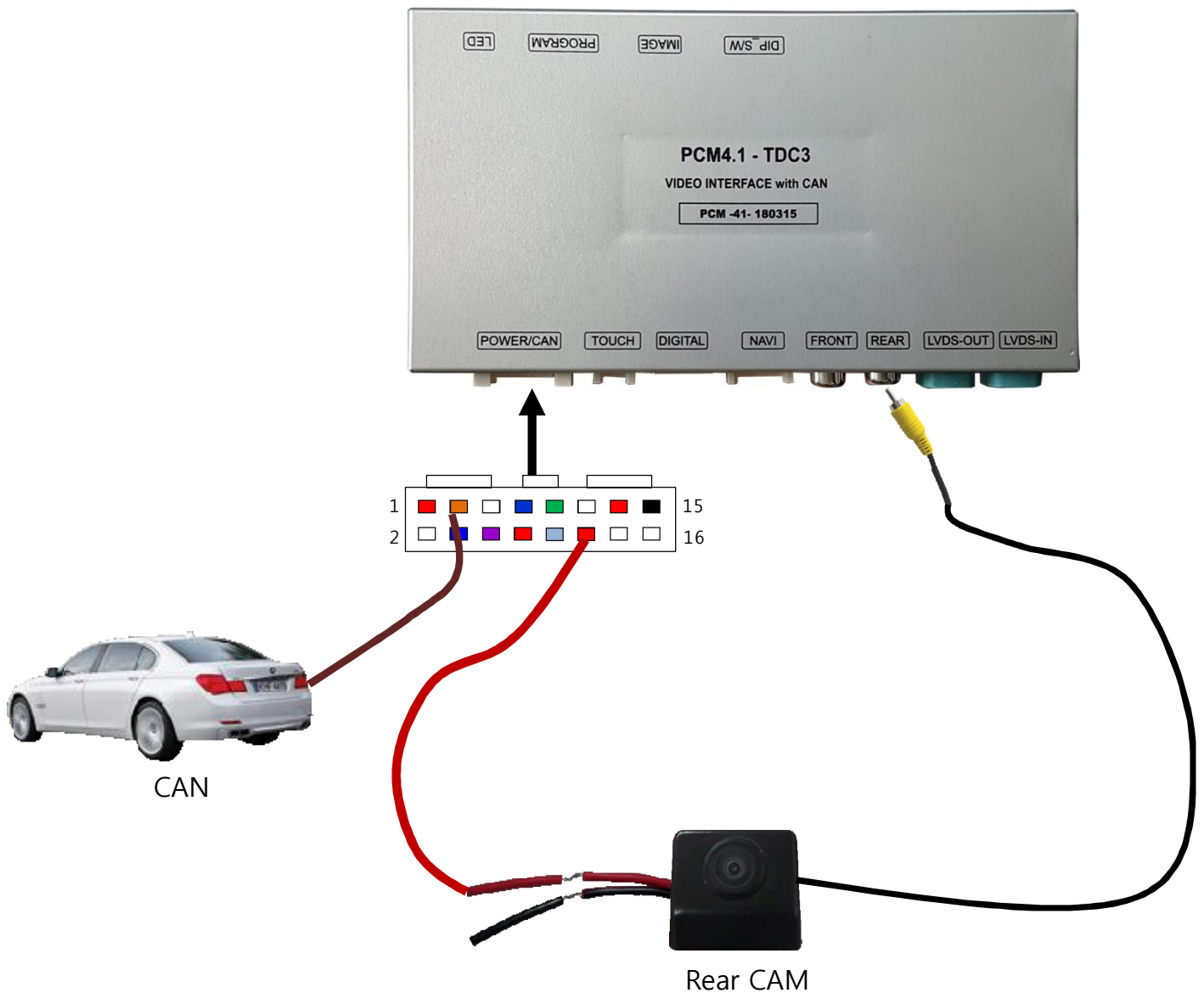
Installation

2. Installation –Front camera



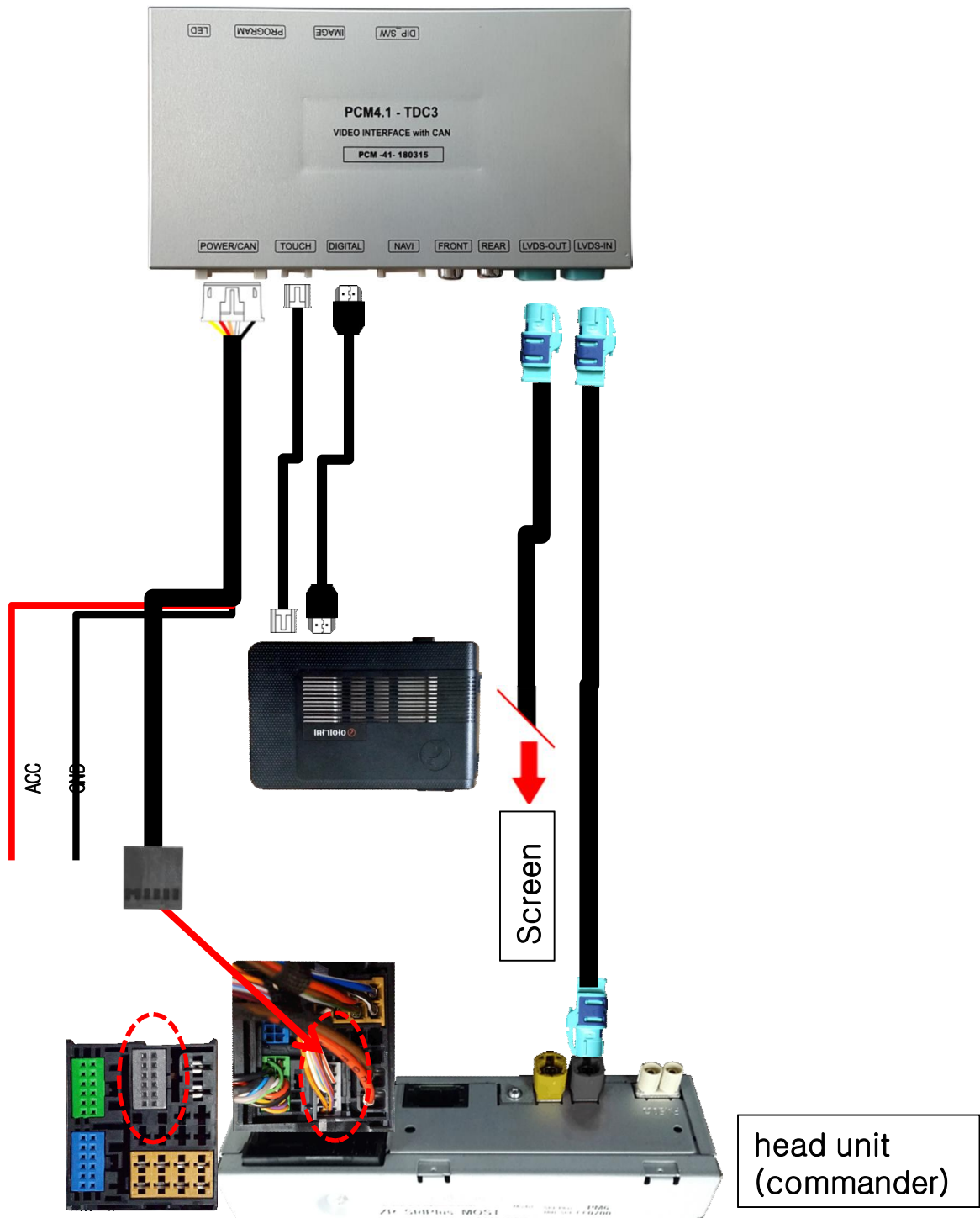
Installation

2. Installation – Rear camera



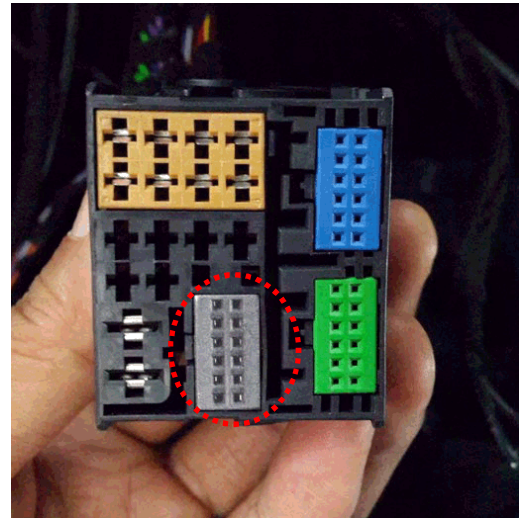
Installation

2. Installation – LVDS

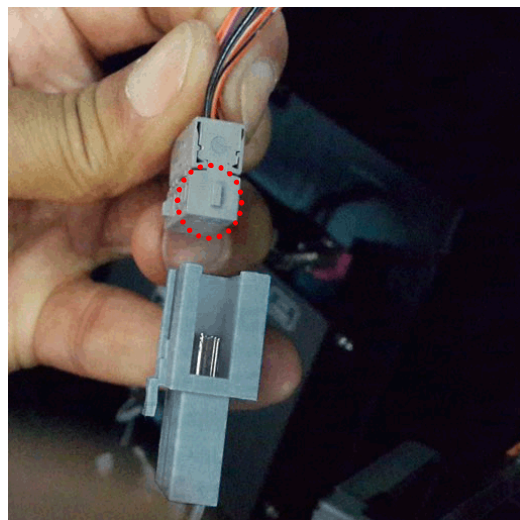
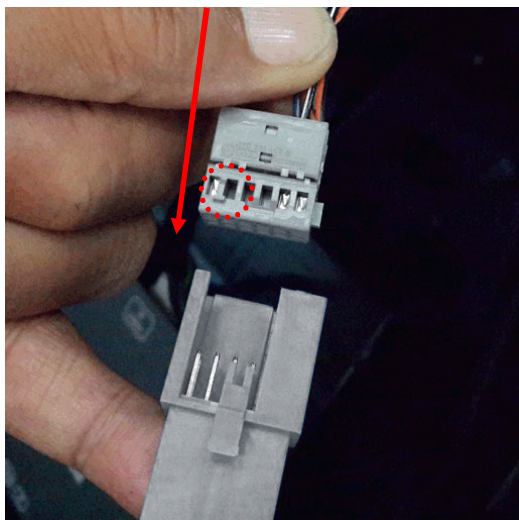


Installation

2. Installation – CAN



Remove the OEM grey connector.



Insert the grey connector into the connector as the picture above

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



GU Electronic

For your better driving