

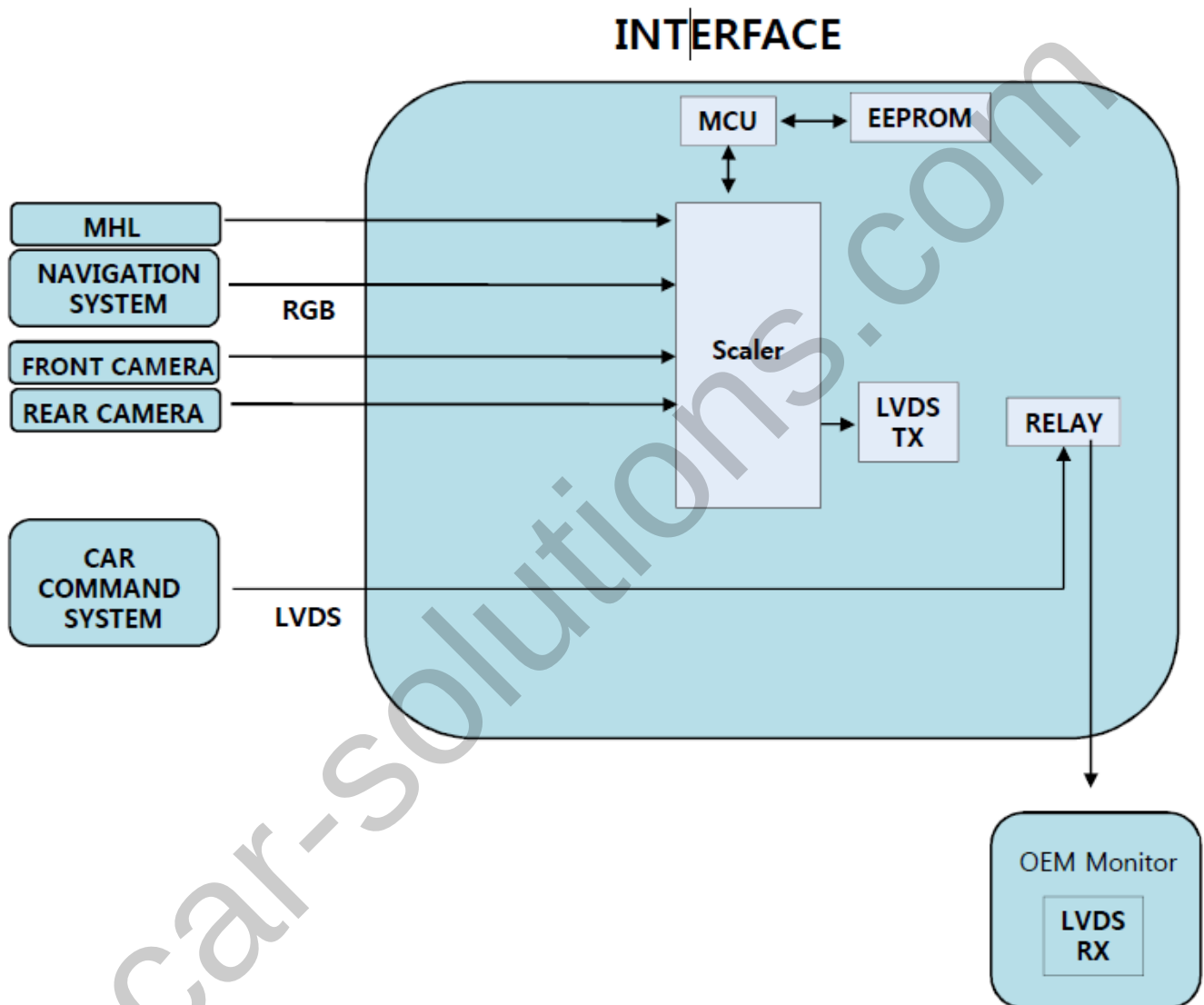
User Manual

Video Interface BM-APIX-PAS for BMW



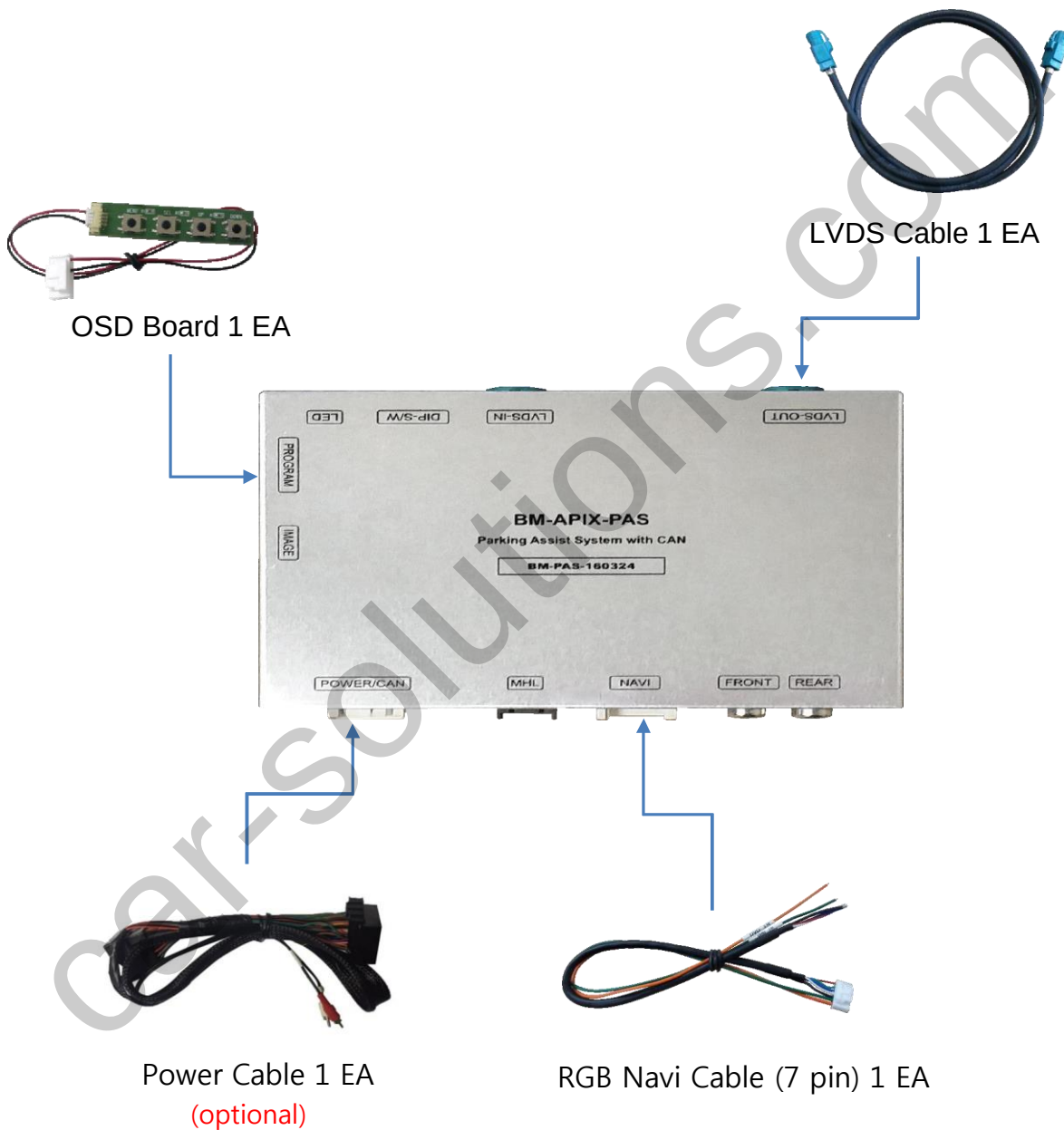
Specifications

Diagram



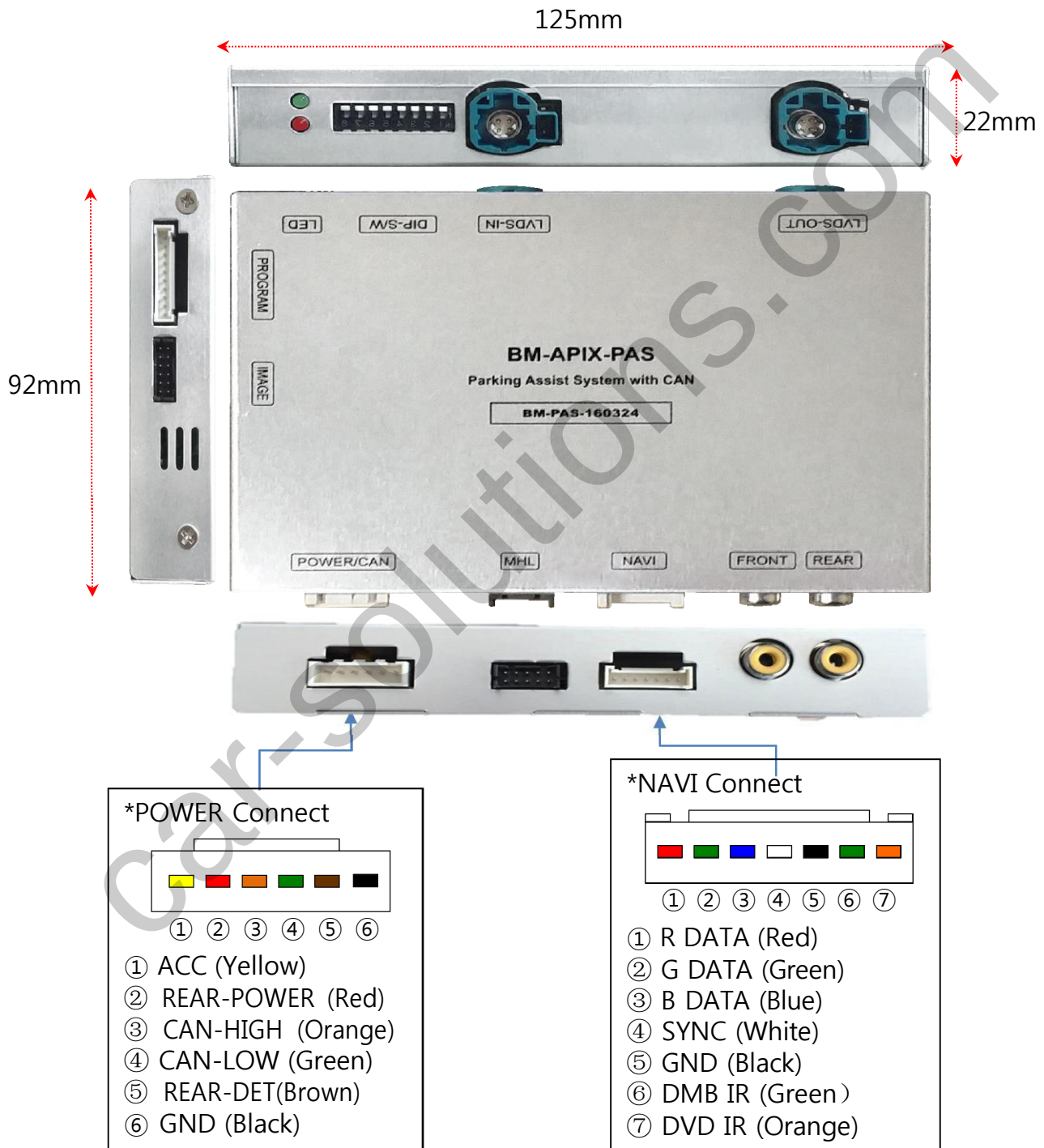
Specifications

Components



Specifications

Exterior



Settings

DIP Switch

* ON: DOWN, OFF: UP

NO.	Function	Selection
1	NAVI	ON : Skip OFF : Display
2	DVB-T	ON : Skip OFF : Display
3	DVD	ON : Skip OFF : Display
4	MHL	ON : Skip OFF : Display
5	Car model	Refer to the pictures below
6		
7		
8		

* Example



F20 6.5"



F20 8.8"



F30 6.5"



F30 8.8"



X3,X4 8.8"

(Made in Hungary)



F15 10.2"



MINI 6.5"



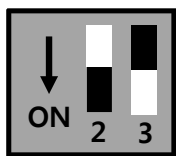
MINI 8.8"

Settings

1. Dip Switch- DVB-T, DVD Setting

The "Front input" can be used for DVD or DTV input (AV1: DTV, AV2: DVD –Possible to install only one of them)

- AV1 Setting – For DTV



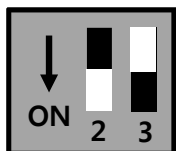
No.2: Off / No.3: On

DVB-T UI On/Off (Refer to P15)

(Dip no.3 should be ON (Skip) Otherwise AV2 screen will appear)



- AV2 Setting – For DVD



No.2: On / No.3: Off

DVD UI On/Off (Refer to P15)

(Dip no.2 should be ON (Skip) Otherwise AV1 screen will appear)



Settings

2. OEM button – Switching, PIP function



6.5"



8.8"

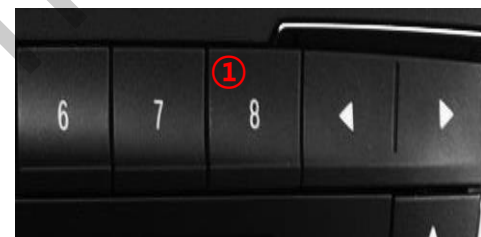
<Jog shuttle>



<Steering wheel>



MINI



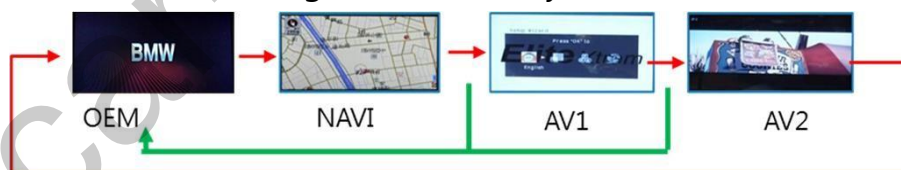
Normal

<Car Audio Button>

-Switching

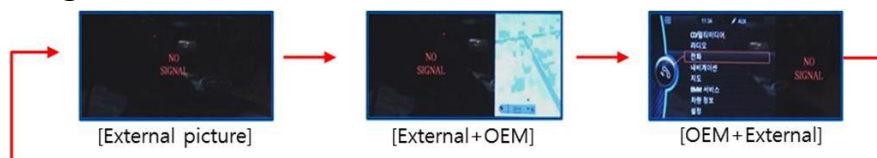
① Press long -> Switching mode

Press short-> Switching to OEM directly



- PIP function

② Press long to activate PIP function



Settings

2. OEM button – Direction for Controlling DVB-T, DVD



[6.5" I-DRV]

- ① PUSH : Selection
Activating DVD/DTV menu
- ② Moving toward the left
- ③ Moving toward the right
- ④ Moving up
- ⑤ Moving down



[8.8" I-DRV]

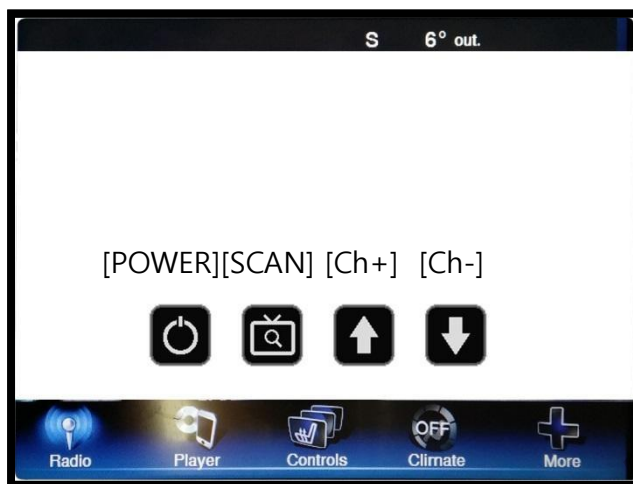
- ① PUSH: Selection
Activating DVD/DTV menu
- ② Moving toward the left
- ③ Moving toward the right
- ④ Moving toward the left
- ⑤ Moving toward the right
- ⑥ Moving up
- ⑦ Moving down

Settings

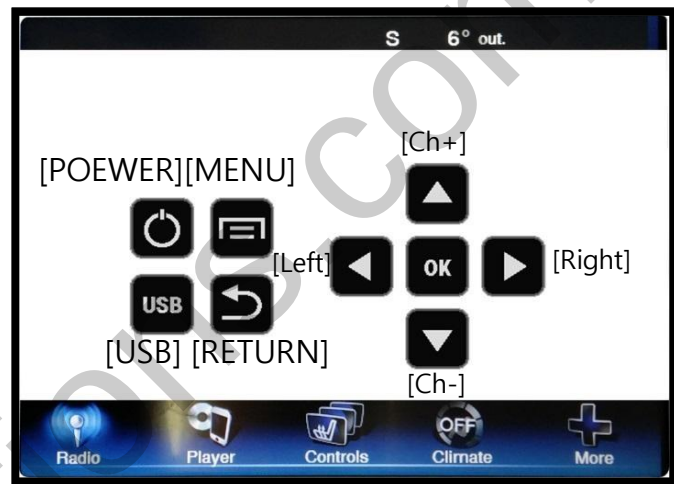
2. OEM button - DVB-T, DVD Menu

*Control the menu below by OEM button

- **DTV (Select the type of I-con)**

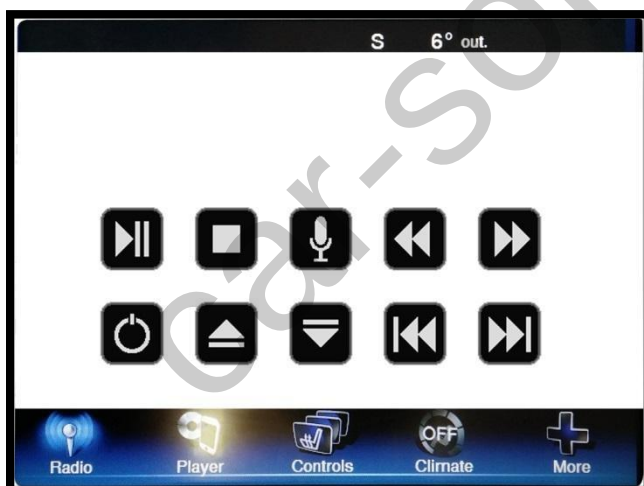


[Type -1]



[Type -2]

- **DVD**



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

Settings

2. OEM button – OSD Menu



6.5"



8.8"

OPTION : Press long (6sec) - 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

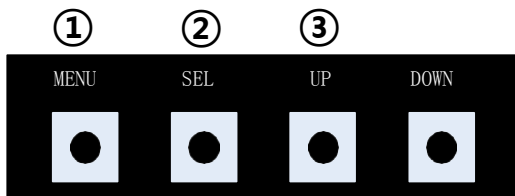
MENU	Config		NAVI
Config	NAVI-RGB	GI5000	mode state
Option	DVB-T(DMB)	ELT_DVBT20	
Image	DVD	NECVOX DVA-3206	
Screen	HDMI	iPhone	
Parking	Reset	Execute	
		Cancel	

First menu Second menu

Third menu

Settings

3. OSD 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 Keyboard

MENU	Config		NAVI
Config	NAVI-RGB	BF500G	
Option	DVB-T(DMB)	NET-700	
Image	DVD	ELT_980XU Slim	
Screen	MHL	Galaxy	
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 – MHL : Setup for the type of MHL

Reset : Reset all value

Settings

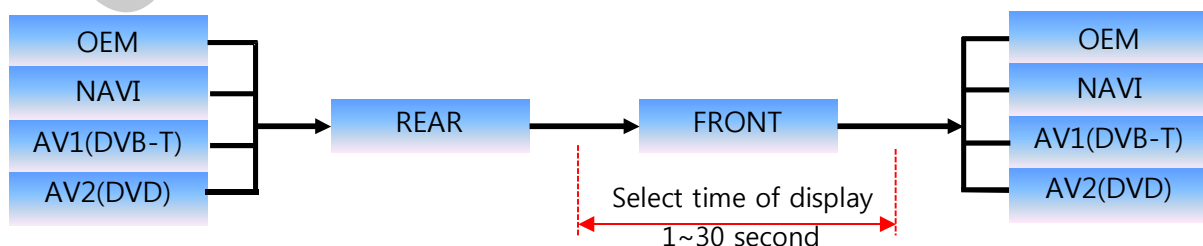
4. OSD Menu

Press "MENU" button on Keyboard

MENU	Option / Rear Cam - Det		NAVI
Config	Rear Cam - Type	ExtDevice	
Option	Rear Cam - Power	Auto	
Image	Rear Cam - Det	PDC	GEAR WIRE
Screen	Front Cam -Type	ExtDevice	
Parking	Front Cam -RcvOpt	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
P>>, GEAR : by CAN wire
Ext Wire : by 12V wire
Setting to display screen when switching to the D gear from the R gear
P>> : OEM type - When switching to the D gear from the 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 display right away
- FrontCam-Type : Setup for front camera
ExtDevice - External rear camera
OEM - Original camera
- FrontCam-RcvOpt : Selecting time of displaying Front camera before switching to RGB, DVD, OEM from Rear camera



Settings

4. OSD Menu

Press "MENU" button on Keyboard

MENU	Option / BookMarkBtn		NAVI
Config	SteeringWheelBtn	Off	
Option	BookMarkBtn	On	Off
Image	UI DVB-T (DMB)	On	
Screen	UI DVD	On	
Parking	Reset	Execute	Cancel

Option

- SteeringWheelBtn : Setting Handle wheel button - ON or OFF
- BookMarkBtn : Setting Car Audio Button No.8 - ON or OFF (P.8)
- UI DVB-T(DMB) : Setting UI ICON - ON or OFF
- UI DVD : Setting UI ICON - ON or OFF
- Reset : Reset all value

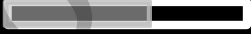
Settings

4. OSD Menu

Press "MENU" button on Keyboard

- NAVI(RGB) Image / Screen

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

MENU	Screen NAVI	
Config	Horizontal	 50
Option	Vertical	 50
Image	Scale X Up	 50
	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
Screen	Saturation	 50
Parking	Hue	 50
	Sharpness	 25

Settings

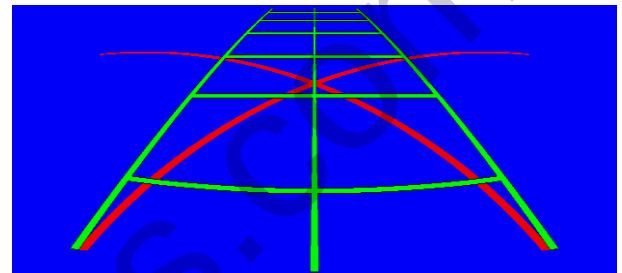
4. OSD Menu – Parking line

Press "MENU" button on Keyboard

-Parking line ON/OFF

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

Select a use of parking line
(OSD Menu – Parking – Line display – ON or OFF)



Parking line - On

※ PIP, POP function: Press 



6.5



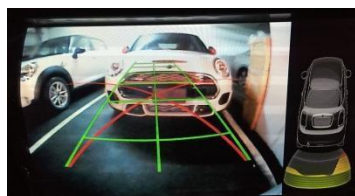
8.8



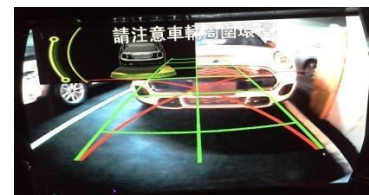
PIP



MINI



PIP



POP

Settings

4. OSD Menu – Parking line

※Press "MENU" button on Keyboard

-Setting to display screen when switching to the D gear from the R gear (p.13)



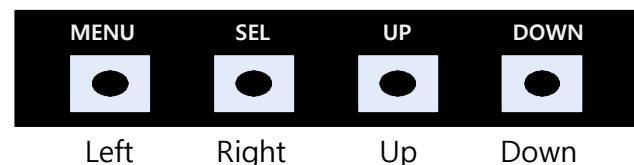
1. OEM type : When switching to the D gear from the R gear , Press the activated "P" button or driving up 20km to display AV/RGB/OEM screen
2. Normal type : When switching to the D gear from the R gear, The AV/RGB/OEM screen is display right away

-Adjusting the position of guide line

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

Possible to adjust the position of line by Keypad in Horizontal / Vertical menu

Pressing this Horizontal / Vertical menu, The OSD screen automatically disappears. Please adjust from the parking line Screen.



Settings

4. OSD Menu

Press "MENU" button on Keyboard

- OSD

MENU	Horizontal	
IR-Ctrl Utility	Vertical	50
	Display	50
	Transparency	10s
	Language	30 English

- OSD – Horizontal
- OSD – Vertical
- OSD – Display : Setting time for displaying OSD menu
- OSD – Transparency
- OSD – Language : Setting language of ODS menu

- IR – Ctrl (Refer to p.19)

- Utility

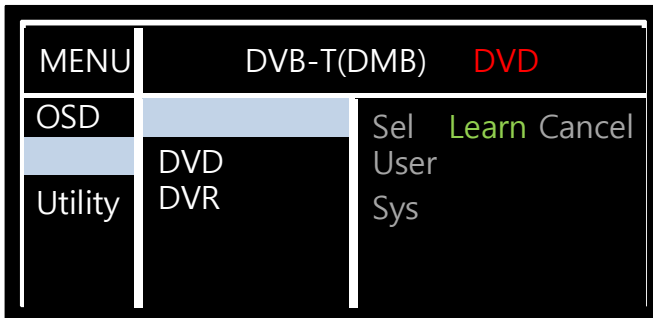
MENU	Utility	
OSD		Execute Cancel
IR-Ctrl	Version	AD4P52KRX - 160509

- Utility – Software version

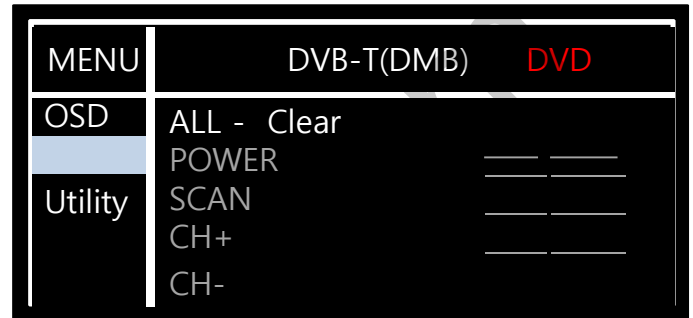
Settings

4. OSD Menu – Register IR code

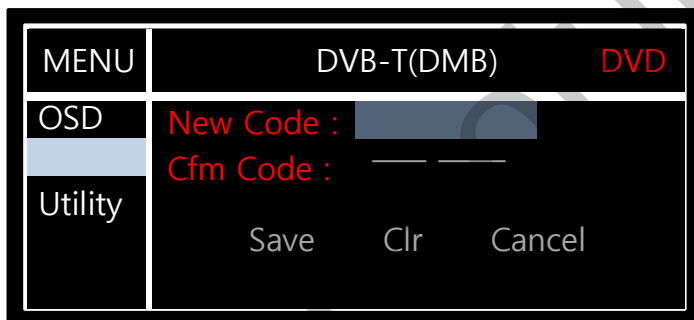
Press "MENU" button on Keyboard



- 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



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

Caution

Delete:

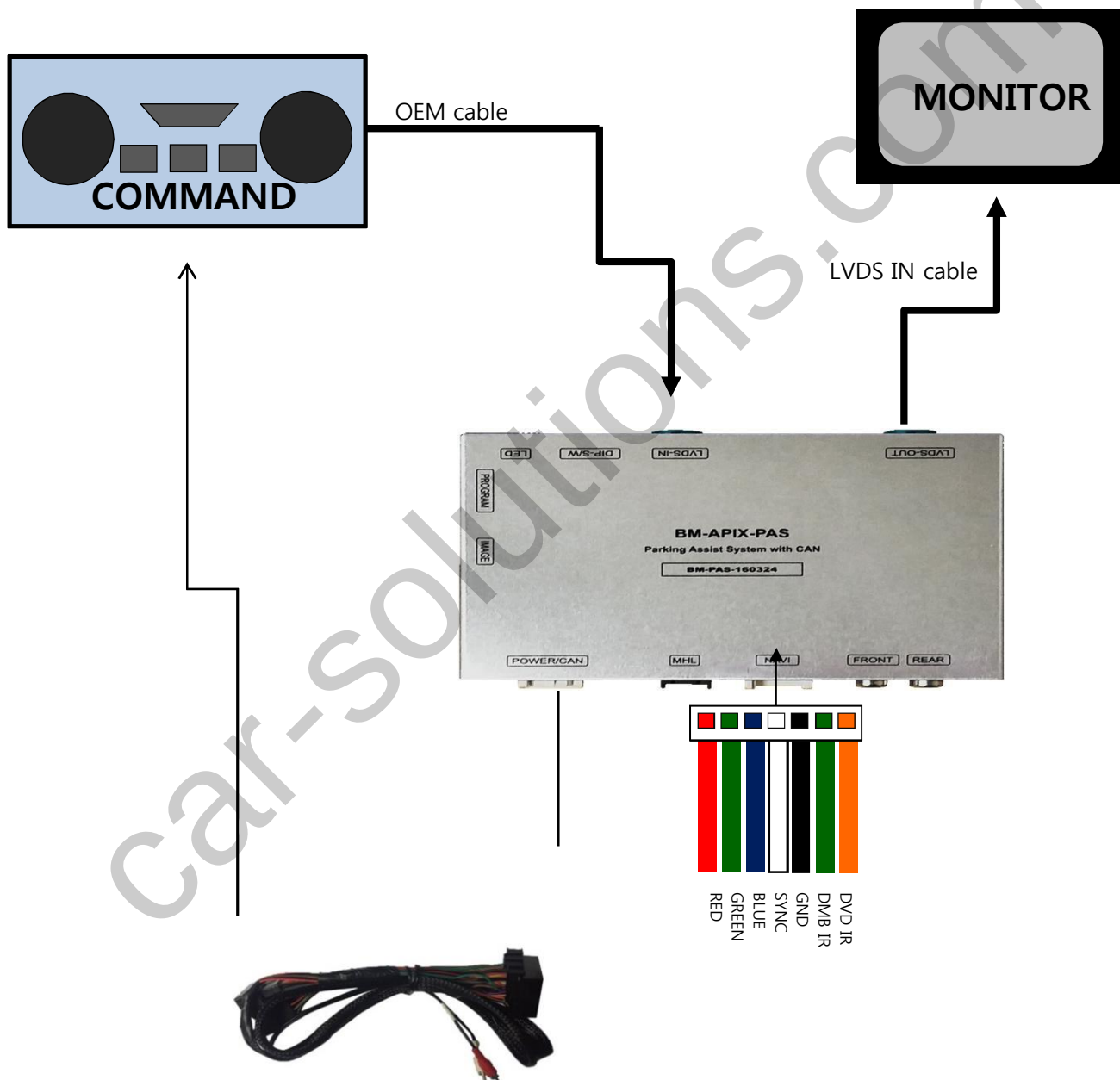
ALL Clear – Delete all value
Clr – Delete one button's Value

Play/Pause:

To use  button, Please register the IR code in power / Pause menu separately

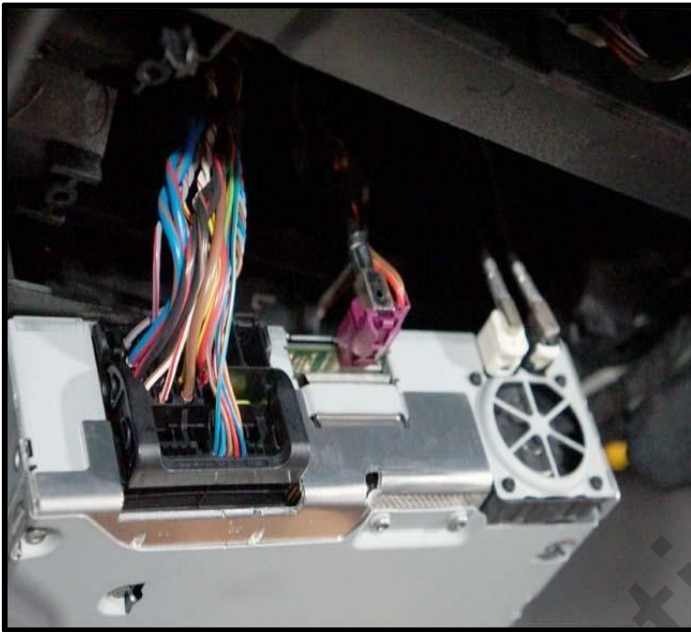
Installation

1. Installation Diagram



Installation

2. Power Installation – 6.5"



1. Disconnect the OEM power cable from the back of command



2. Connect the offered power cable to the OEM power cable



3. Connect the offered power cable to the back of command



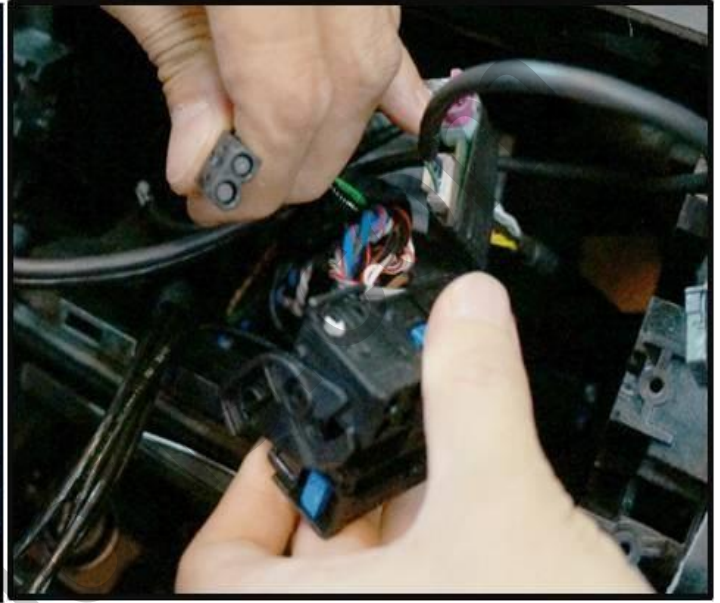
4. Connect the offered LVDS cable to the OEM monitor

Installation

3. Power Installation – 8.8"



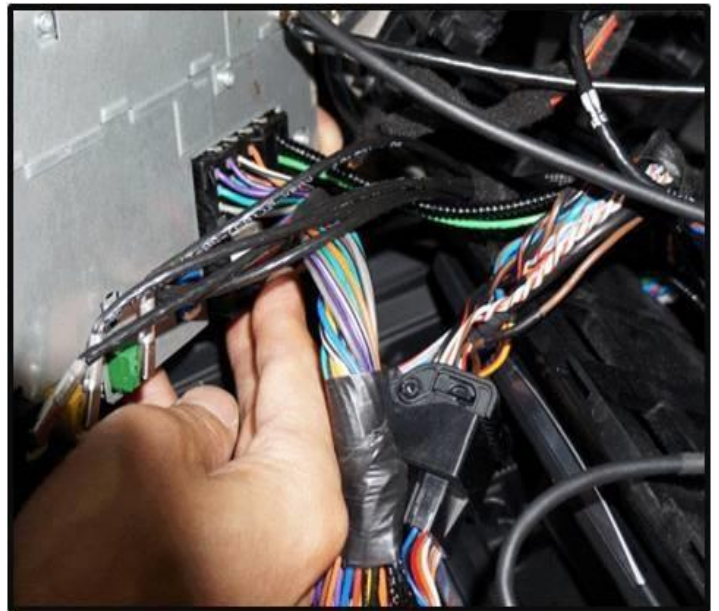
1. Disconnect the OEM power cable from the back of command



2. As the picture above, connect the OEM Most cable to the offered power cable



3. Connect the offered power cable to the OEM power cable



4. Connect the offered LVDS cable to the OEM monitor

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)

1. 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