

Instruction Manual

BMW APIX PAS for BMW



INDEX

Specifications

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

Settings

1.	Dip Switch -----	7
2.	OEM button-----	9
3.	Key board -----	13
4.	OSD Menu-----	13

Installation

1.	Diagram-----	21
2.	6.5" Monitor-----	22
3.	8.8" Monitor-----	23

Caution

1.	FAQ -----	24
2.	Caution -----	24

Specification

1. Main Spec.

1-1 Input Spec. (MULTI VIDEO INTERFACE)

- 1 x Analog RGB Input (Navigation System output)
- 1 x CVBS(REAR CAMERA) Input. (Rear camera source)
- 1 x CVBS Input. (DVB-T/DVD/DVR/Front camera source)
- 1 x LVDS Input (Car command sysemm)

1-2 Output Spec.

- 1 x LCD Output (LCD Operation)

1-3 Power Spec.

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

1-4 Switching mode

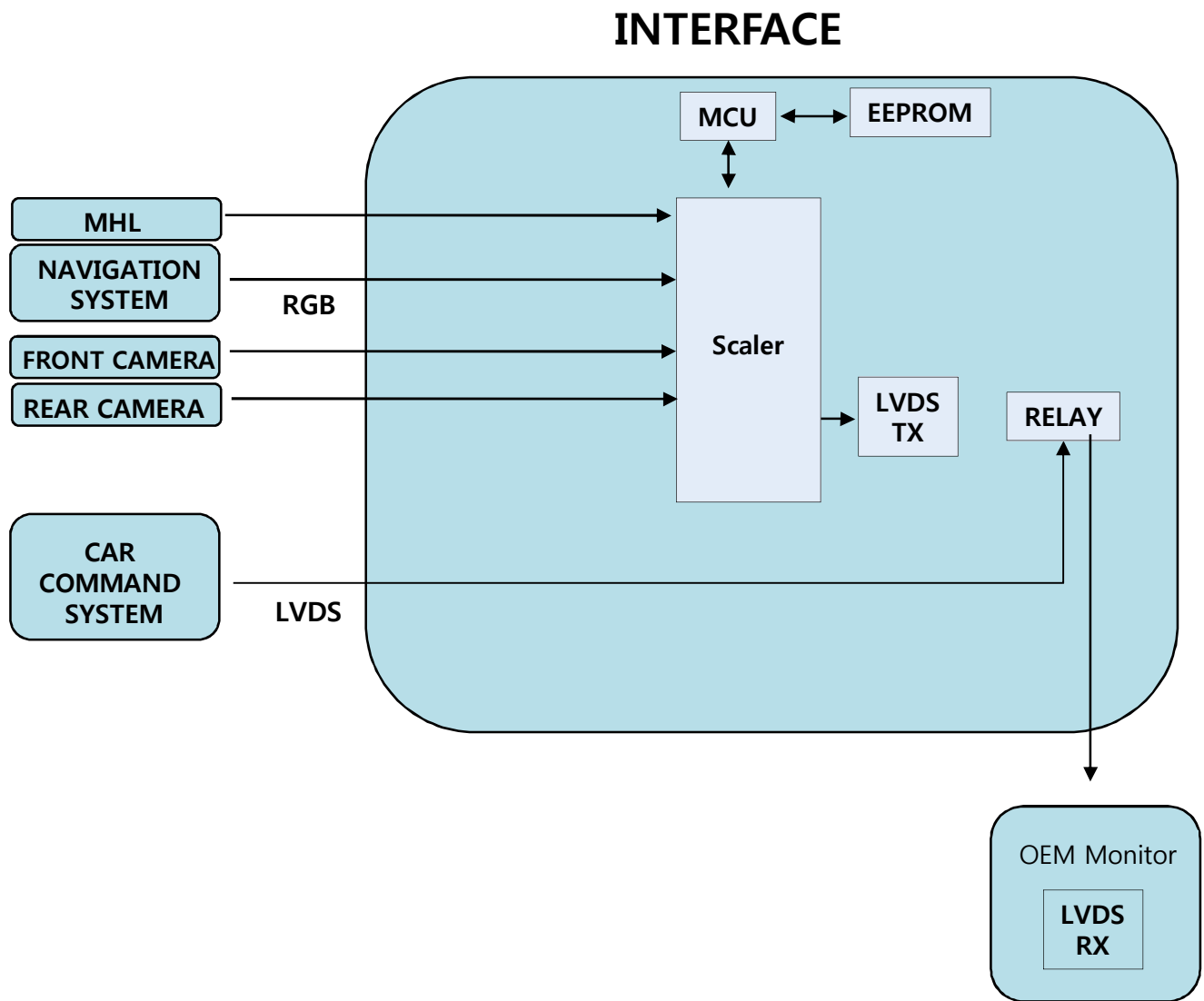
- Possible to switch input mode by OEM button

2. Features

- No need to cut any OEM wires (Providing Plug&Play cable)
- Display dynamic PAS (Parking assistance system) with PDC
- Possible to register IR code of DVD/DTV

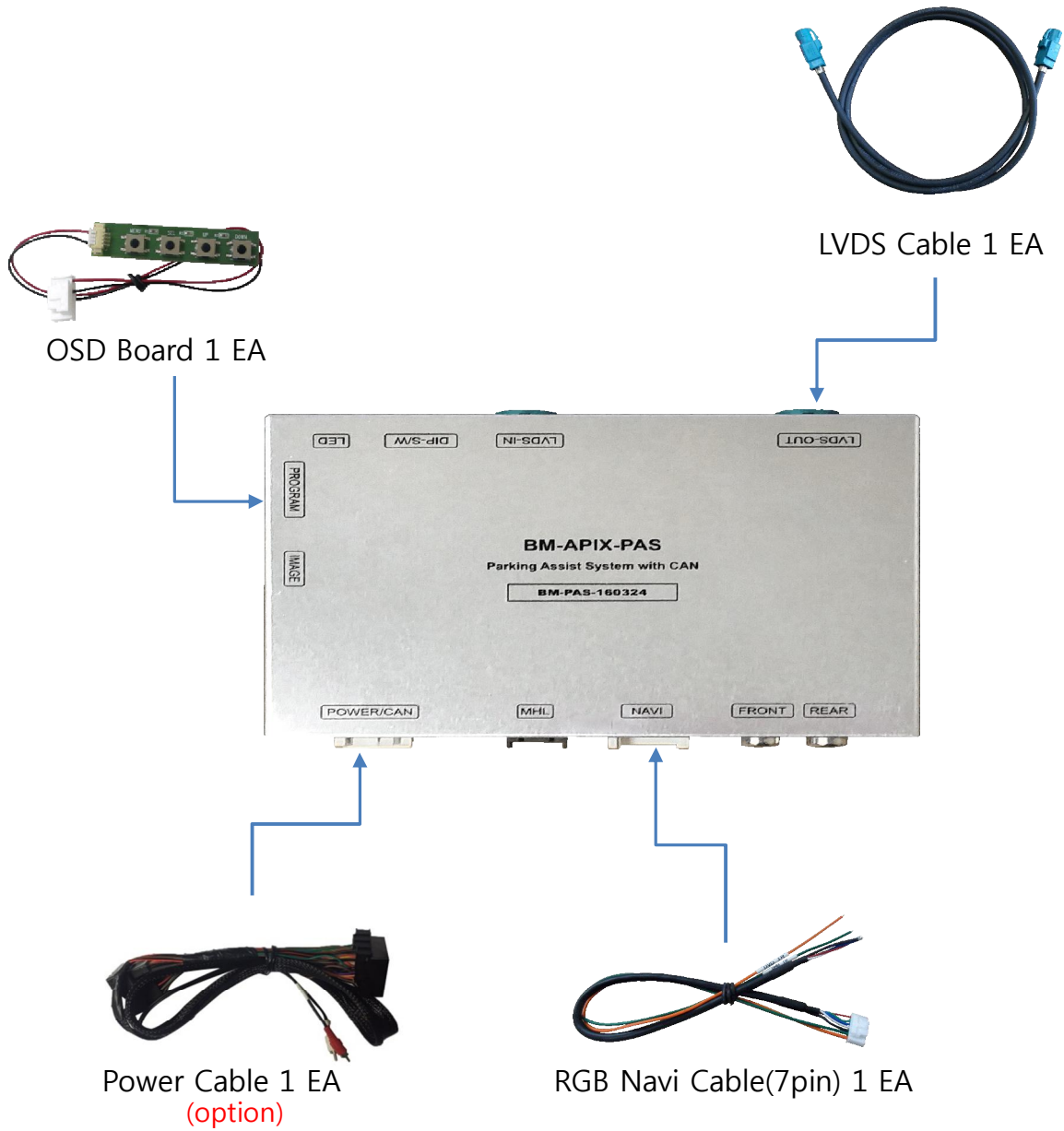
Specification

3. Diagram



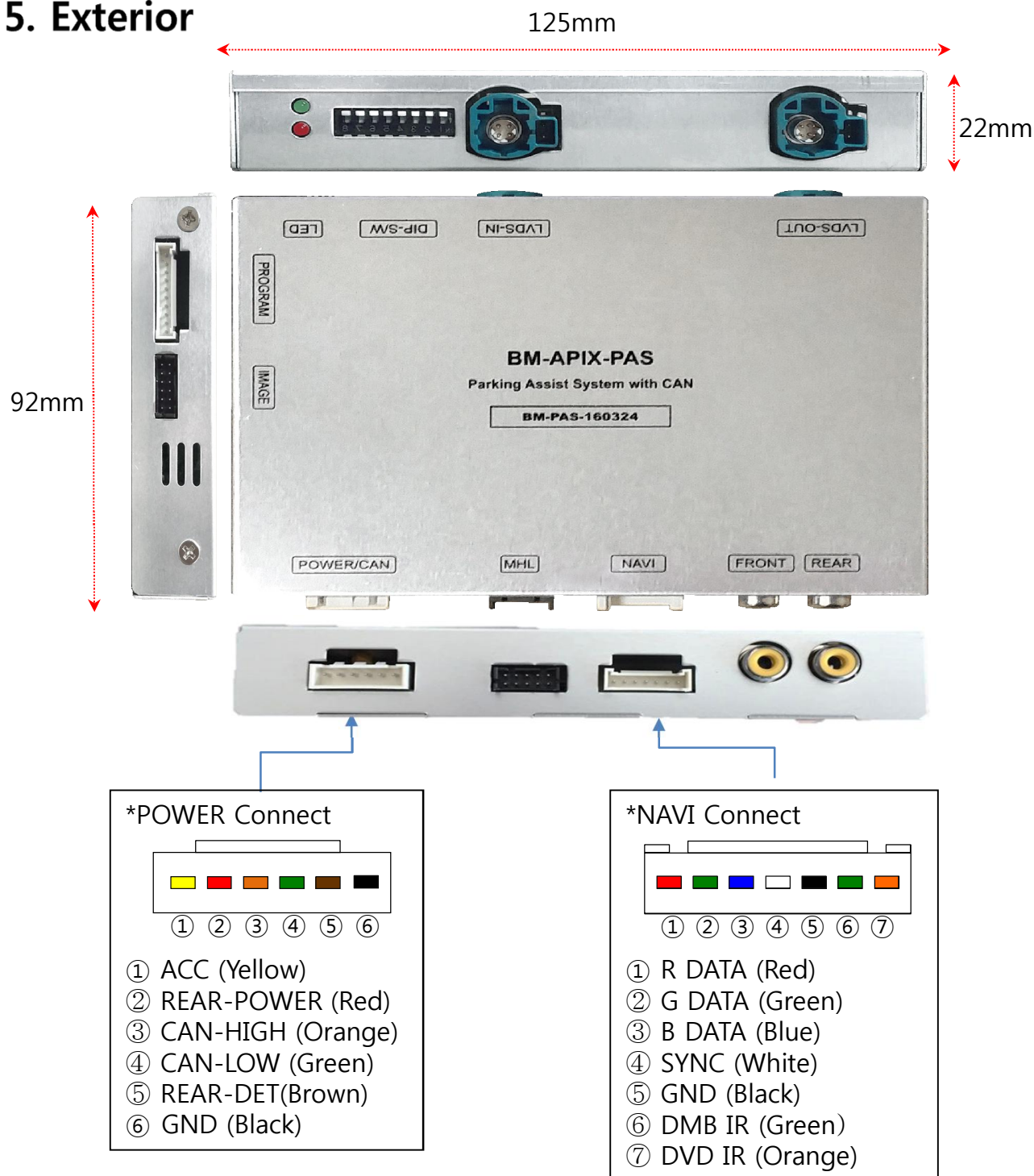
Specification

4. Components



Specification

5. Exterior



Settings

1. 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"



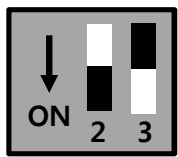
MINI 8.8"

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)

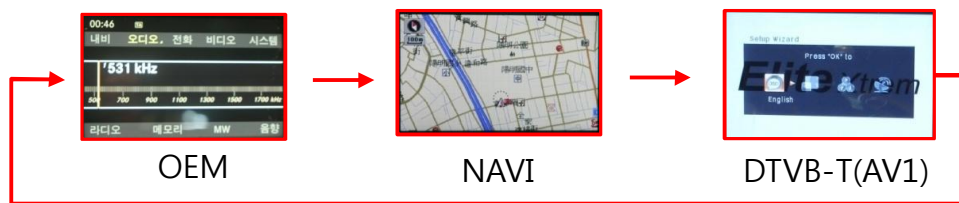
- AV1 Setting – For DTV



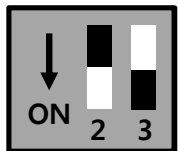
No.2: Off / No.3: On

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"

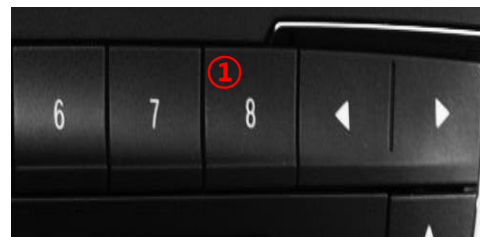
<Jog shuttle>



<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]

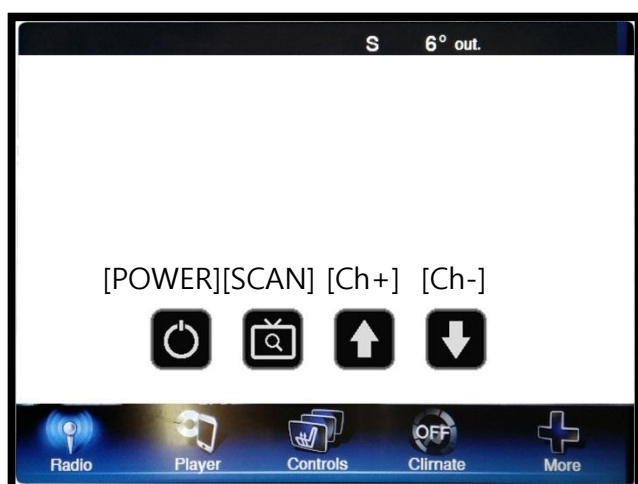
- ① PUSH : Selection
Activating DVD/DTV menu
- ② Moving toward the left
- ③ Moving toward the right
- ④ Moving toward the left
- ⑤ Moving toward the right
- ⑥ Moving up
- ⑦ Moving down

Settings

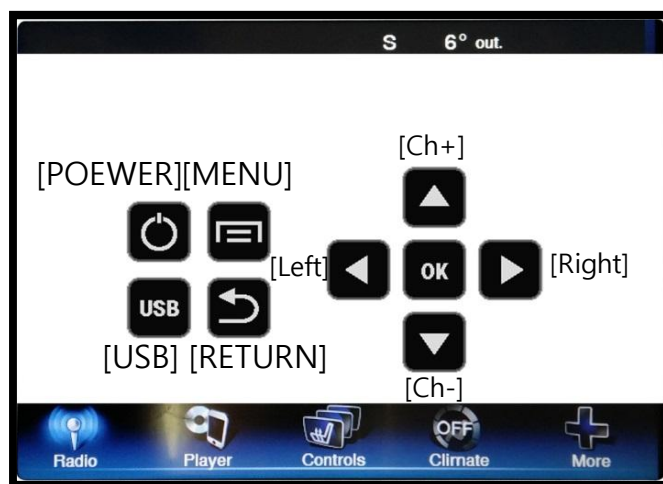
2. OEM button - DVB-T, DVD Menu

*Control the menu below by OEM button

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

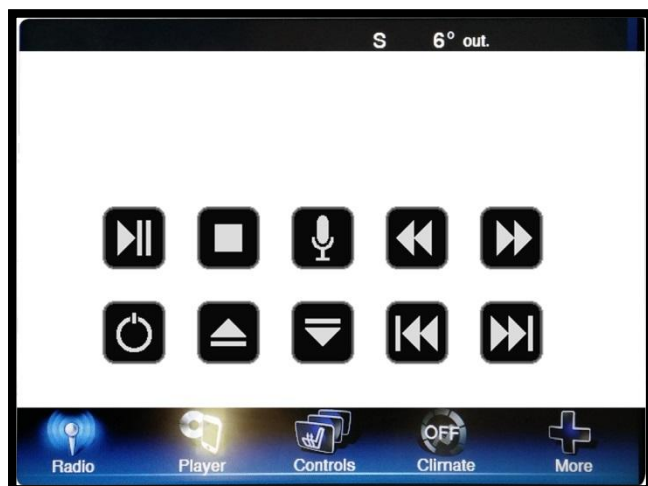


[Type -1]



[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	

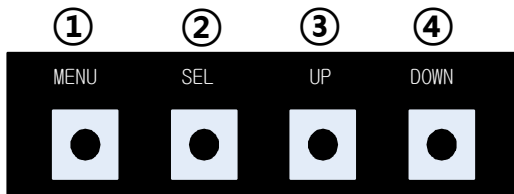
First menu

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 Key board

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

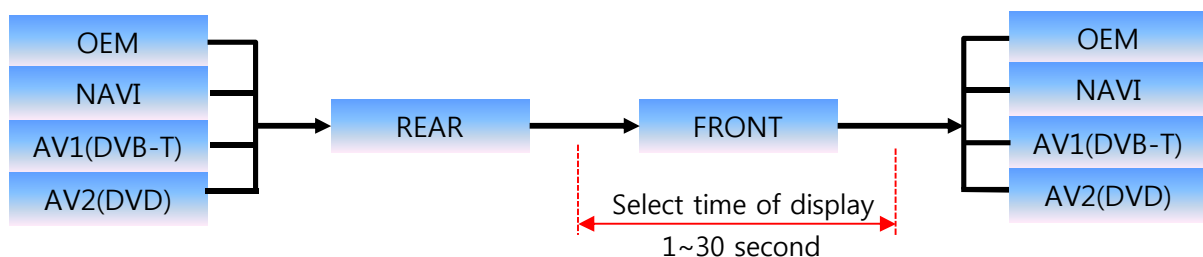
4. OSD Menu

※Press "MENU" button on Key board

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 Key board

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 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

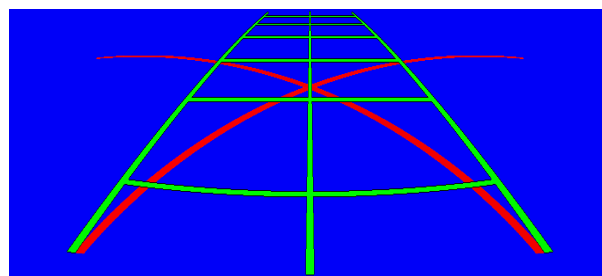
4. OSD Menu – Parking line

※Press "MENU" button on Key board

-Parking line ON/OFF

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

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



Packing line - On

※ PIP, POP function: Press 



6.5



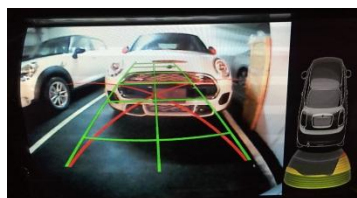
8.8



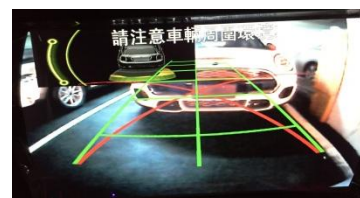
PIP



MINI



PIP



POP

Settings

4. OSD Menu – Parking line

※Press "MENU" button on Key board

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



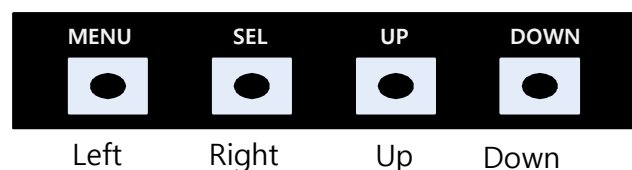
1. OEM type : When switching to the D gear from the R gear , Press the activated "P" button or driving up 20km to display AV/RGB/OEM screen
2. Normal type : When switching to the D gear from the R gear, The AV/RGB/OEM screen is display right away

-Adjusting the position of guide line

MENU	Parking Rear	
Config	OPS Display	Off
Option	Line Display	On
Image	Warning Lang	English
Screen	Horizontal	<div><div></div></div> 50
Parking	Vertical	<div><div></div></div> 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 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 (Refer to p.19)

- Utility

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

- Utility – Software version

Settings

4. OSD Menu – Register IR code

※Press "MENU" button on Key board

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


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

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

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

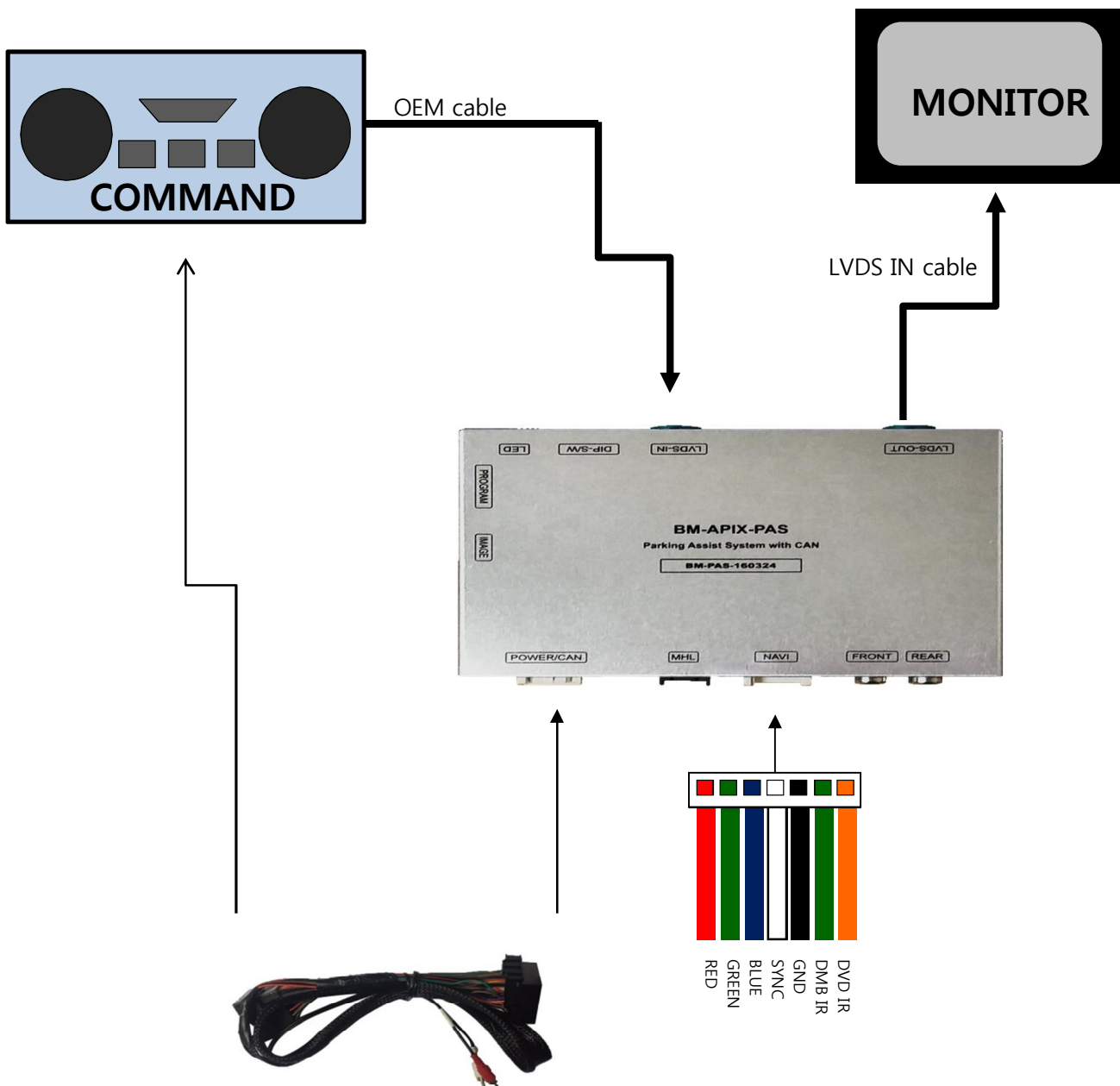
※ Caution

- 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 appear on "New code" menu. Press the same button one more time to confirm the IR code. (Cfm code = confirm code)

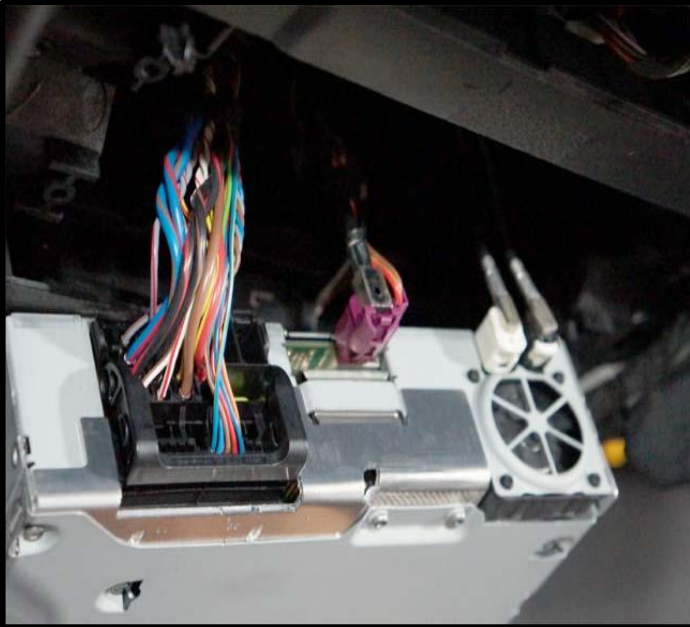
Installation

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



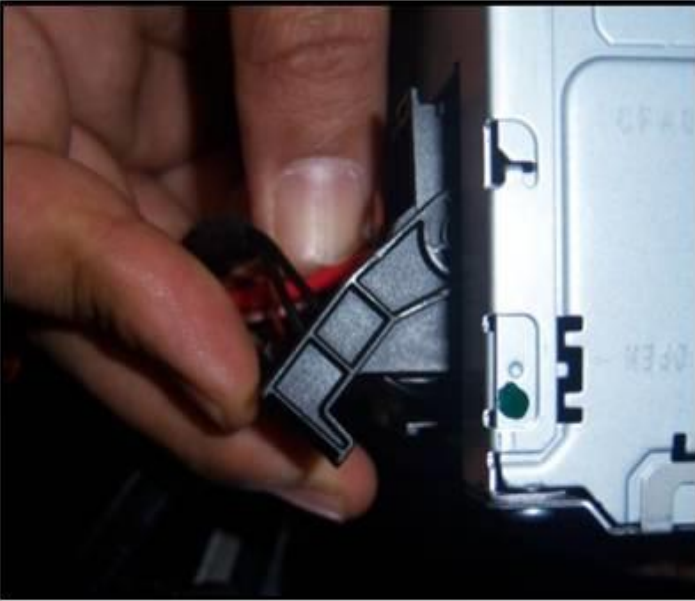
3. Connect the offered power cable to the back of command



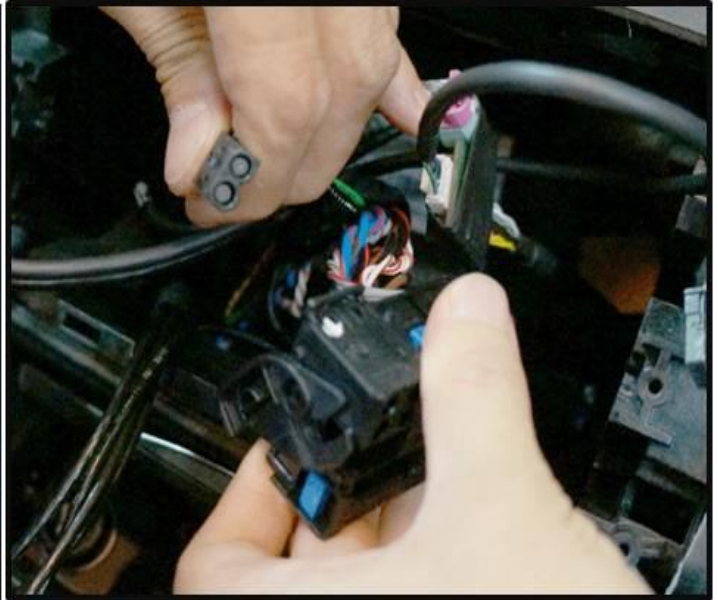
4. Connect the offered LVDS cable to the OEM monitor

Installation

3. Power Installation – 8.8"



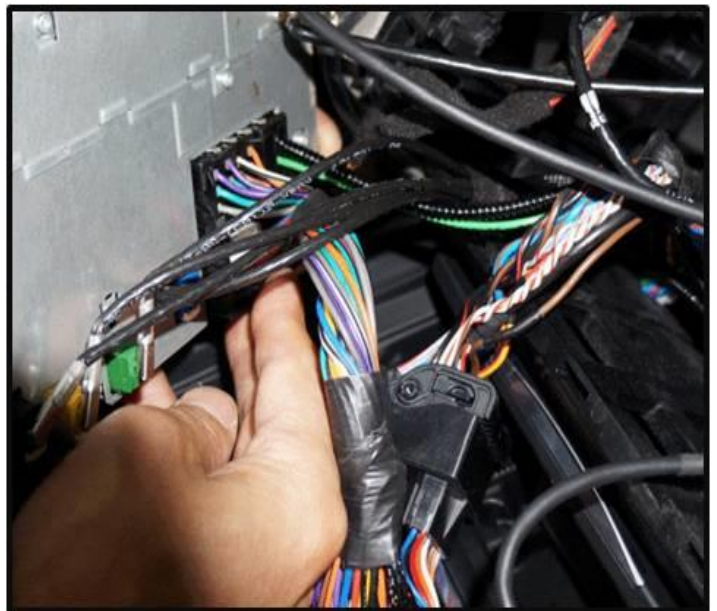
1. Disconnect the OEM power cable from the back of command



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



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



4. Connect the offered LVDS cable to the OEM monitor

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