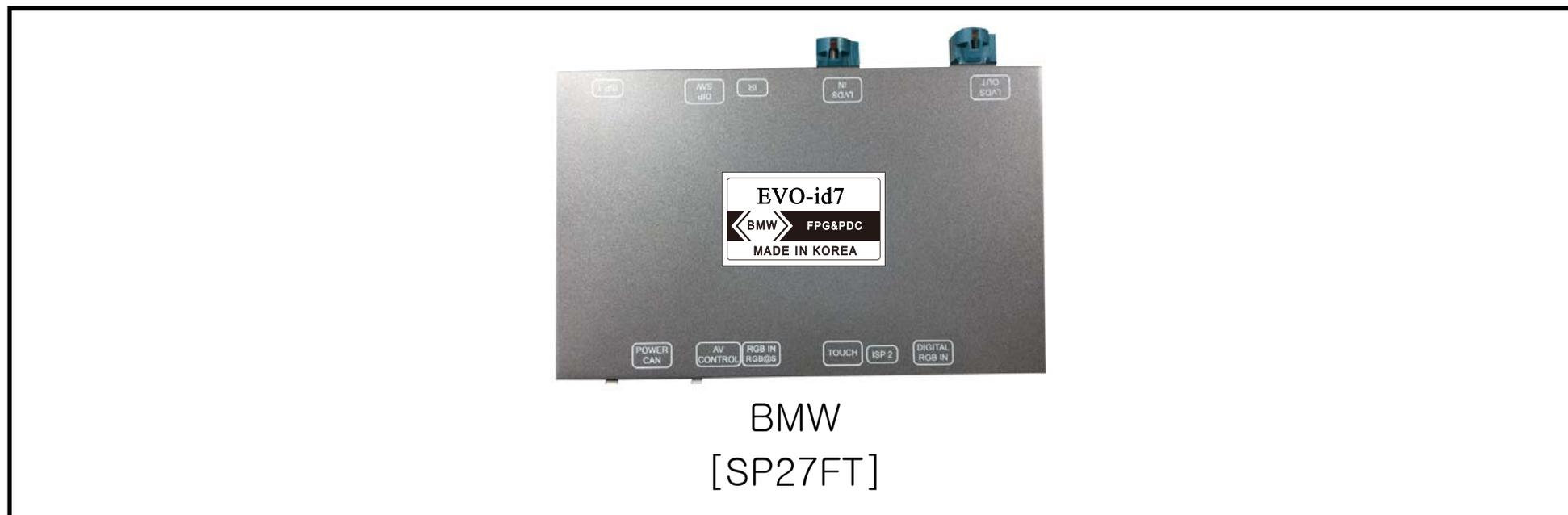# 2019 BMW EVO ALL SERIES WITH OEM TOUCH & WITHOUT OEM TOUCH (SP27FT) MANUAL

MAIN UNIT OF INTERFACE
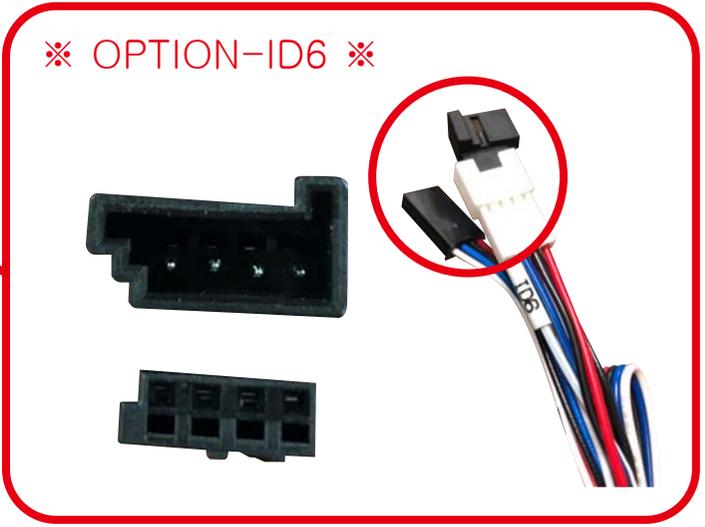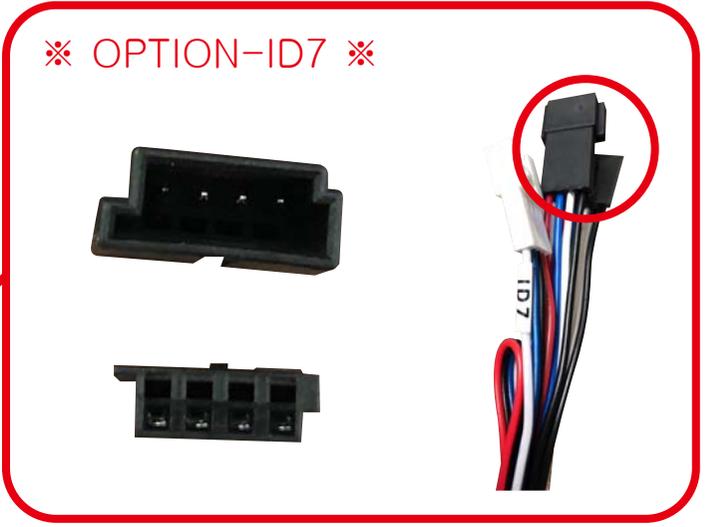

BMW
[SP27FT]

Car Brand	Model	Year Range	System
2019 BMW EVO	EVO-id7(SP27FT)	2019	EVO ID7

COMPONENTS

1 MAIN UNIT	2 MAIN CABLE	3 RGB CABLE	4 IR CABLE
EVO-id7 BMW FPG&PDC MADE IN KOREA			

5 LVDS CABLE	6 TOUCH CABLE	7 4PIN FILM	8 REMOTE CONTROL

9 5 SERIES EXTENSION CABLE	10 7 SERIES EXTENSION CABLE	11 HARNESS	12 AV IN/OUT CABLE
※ OPTION ※	※ OPTION ※	※ OPTION-ID6 ※	※ OPTION ※

13 AV GENDER CABLE	14 AV GENDER BOARD		
※ OPTION ※	※ OPTION ※		

COMPONENTS

※ OPTION-ID7 ※

※ OPTION-ID6 ※

◼ DIP S/W

OFF / ON 5 6 7 8 10.2"(1440X540) 5, 6, 7, X3, X5, X6	OFF / ON 5 6 7 8 8.8"(1280X480) without OEM touch screen
OFF / ON 5 6 7 8 8.8"(1280X480) with OEM touch screen(MINI)	OFF / ON 5 6 7 8 6.5"(800X480) without OEM touch screen

OFF / ON 2 3 4 5 6 7 8 10.2"/12.3"(1920X720) ID7 with OEM touch screen	OFF / ON 2 3 4 5 6 7 8 6.5"(800X480) with OEM touch screen	OFF / ON 2 3 4 5 6 7 8 8.8"(1280X480) with OEM touch screen

OFF / ON 2 3 4 5 6 7 8 ID7-1920x720 TOUCH + ID6 JOG NEW 7 SERIES 12.3"	OFF / ON 2 3 4 5 6 7 8 ID6-1280x480 TOUCH + ID7 JOG NEW 3(2019) 8.8"	OFF / ON 2 3 4 5 6 7 8 8.8" X3, X4 (ID6 UI ID6 IDRIVE) INNOLUX LCD MADE IN CHINA

OFF / ON 2 3 4 5 6 7 8
ID7-1920x720 TOUCH + ID6 JOG
INNOLUX LCD MADE IN CHINA
SETTING ON MENU (CID->INNOLUX)

* Direct to Navi
1 2 3 4 5 6 7
Direct to AV1   Direct to Navi

* Direct to Navi
1 2 3 4 5 6 7 8
Direct to AV1   Direct to Navi

PIN	FUNCTION	DIP S/W SETTING
1	External Navigation	OFF
		ON
2	Vehicle Setting	
3	TV free	OFF
		ON
4	Rear Camera	OFF : OEM Camera
		ON : Aftermarket Camera
5	ON	
6	Vehicle Setting	
7	Vehicle Setting	
8	ON	

◼ BMW EVO-id7(SP27FT) SPEC.

1. INPUT
1 x Digital RGB Input(LVDS IN)
1 x Analog RGB Input(GPS system output)
1 x LVDS Input
1 x LVDS output
1 x CVBS(rear camera)
1 x CVBS(front camera or A/V)
1 x HDMI(THE MODEL WHICH COMPATIBLE WITH HDMI)
3 x A/V Input(Option)

2. Output
1 x CVBS
1 x Audio L/R

3. Power
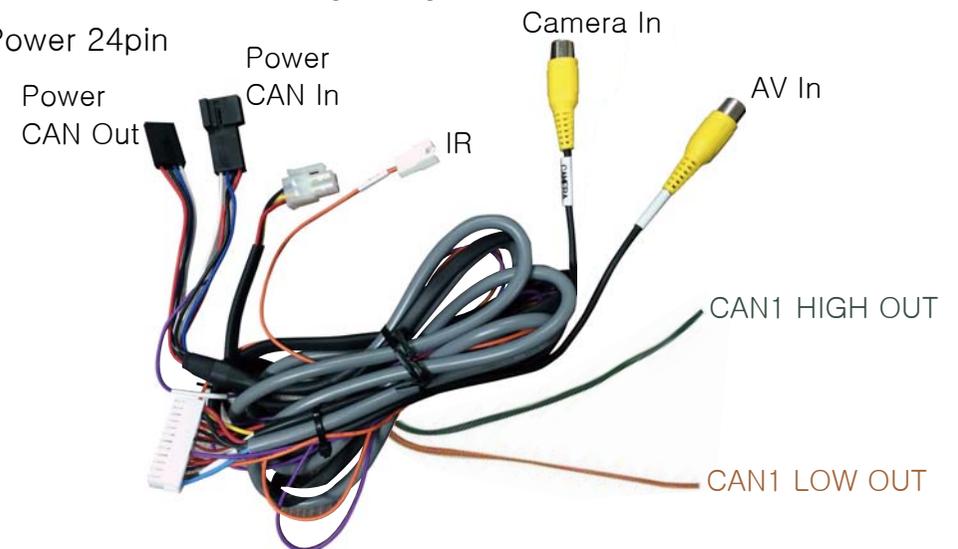Input power : 8VDC ~ 18VDC
Consumption : 6.5 Watt
Ampere : 0.53A

4. Size
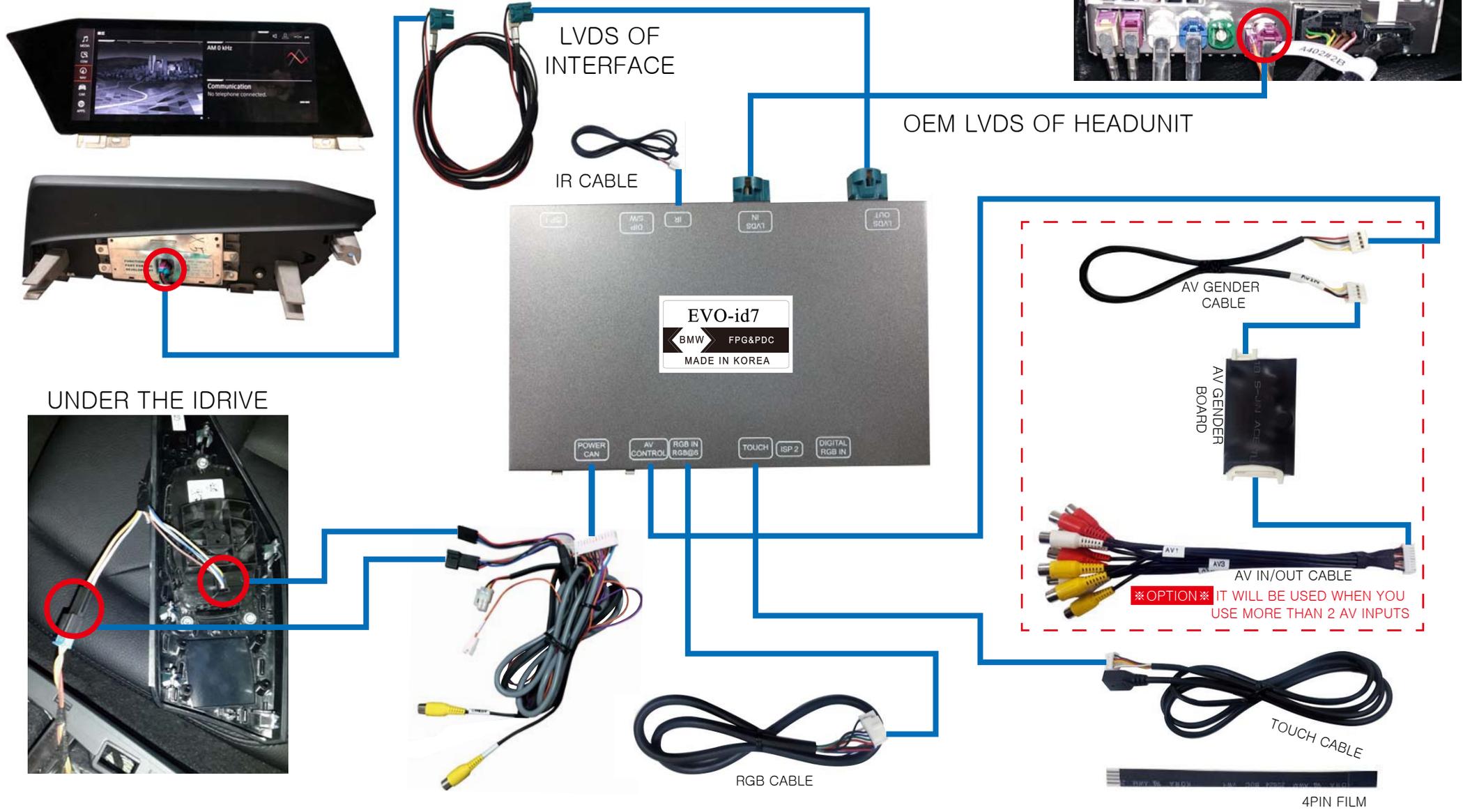163*103*20mm(Width*Length*Height)

5. Power 24pin

Power CAN Out
Power CAN In
IR
Camera In
AV In
CAN1 HIGH OUT
CAN1 LOW OUT

CONNECTION – 12.3 INCH

LVDS OF INTERFACE

OEM LVDS OF HEADUNIT

IR CABLE

EVO-id7

BMW FPG&PDC

MADE IN KOREA

UNDER THE IDRIVE

AV GENDER CABLE

AV GENDER BOARD

AV IN/OUT CABLE

※OPTION※ IT WILL BE USED WHEN YOU USE MORE THAN 2 AV INPUTS

RGB CABLE

TOUCH CABLE

4PIN FILM

💻 CONNECTION – 10.2 INCH HARNESS

LVDS OF
INTERFACE

OEM LVDS OF HEADUNIT

IR CABLE

OEM HARNESS INSERT INTO OUR HARNESS

EVO-id7

BMW   FPG&PDC

MADE IN KOREA

AV GENDER
CABLE

AV GENDER
BOARD

AV IN/OUT CABLE

※OPTION※ IT WILL BE USED WHEN YOU
USE MORE THAN 2 AV INPUTS

RGB CABLE

TOUCH CABLE

4PIN FILM

CONNECTION – 8.8 INCH

LVDS OF INTERFACE

OEM LVDS OF HEADUNIT

IR CABLE

EVO-id7

BMW FPG&PDC

MADE IN KOREA

UNDER THE IDRIVE

AV GENDER CABLE

AV GENDER BOARD

AV IN/OUT CABLE

※OPTION※ IT WILL BE USED WHEN YOU USE MORE THAN 2 AV INPUTS

TOUCH CABLE

RGB CABLE

4PIN FILM

■ CONNECTION – 8.8 INCH HARNESS

LVDS OF INTERFACE

OEM LVDS OF HEADUNIT

IR CABLE

AV GENDER CABLE

AV GENDER BOARD

EVO-id7

BMW   FPG&PDC

MADE IN KOREA

POWER CAN   AV CONTROL   RGB IN RGB@6   TOUCH   ISP 2   DIGITAL RGB IN

AV IN/OUT CABLE

※OPTION※ IT WILL BE USED WHEN YOU USE MORE THAN 2 AV INPUTS

RGB CABLE

TOUCH CABLE

4PIN FILM

OEM HARNESS INSERT INTO OUR HARNESS
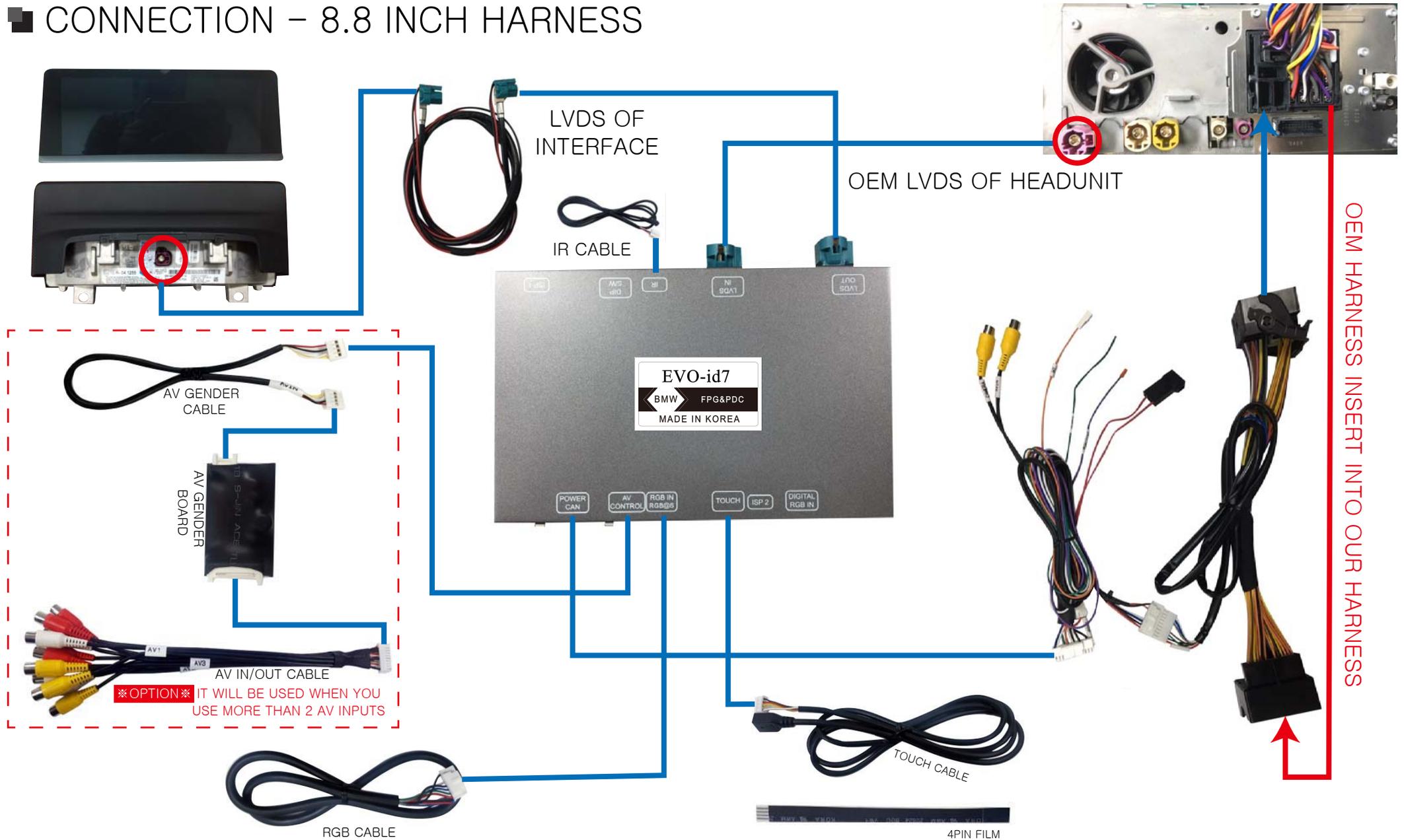
■ INSTALLATION – TV/DVD FREE

※ Please press Volume "–" button for 7s long of steering wheel to set TV FREE On/Off

No.9 CAN LOW

No.11 CAN HI

cut

CAN1 LOW OUT

CAN1 HIGH OUT

CAN1 LOW IN

CAN1 HIGH IN

CAN LOW

CAN HIGH

OEM CABLE No.9 CAN LOW

OEM CABLE No.11 CAN HIGH

OEM CABLE No.9 CAN LOW

OEM CABLE No.11 CAN HIGH

	CAN1 LOW IN
	CAN1 HIGH IN
	GROUND
	ACC

Car Body
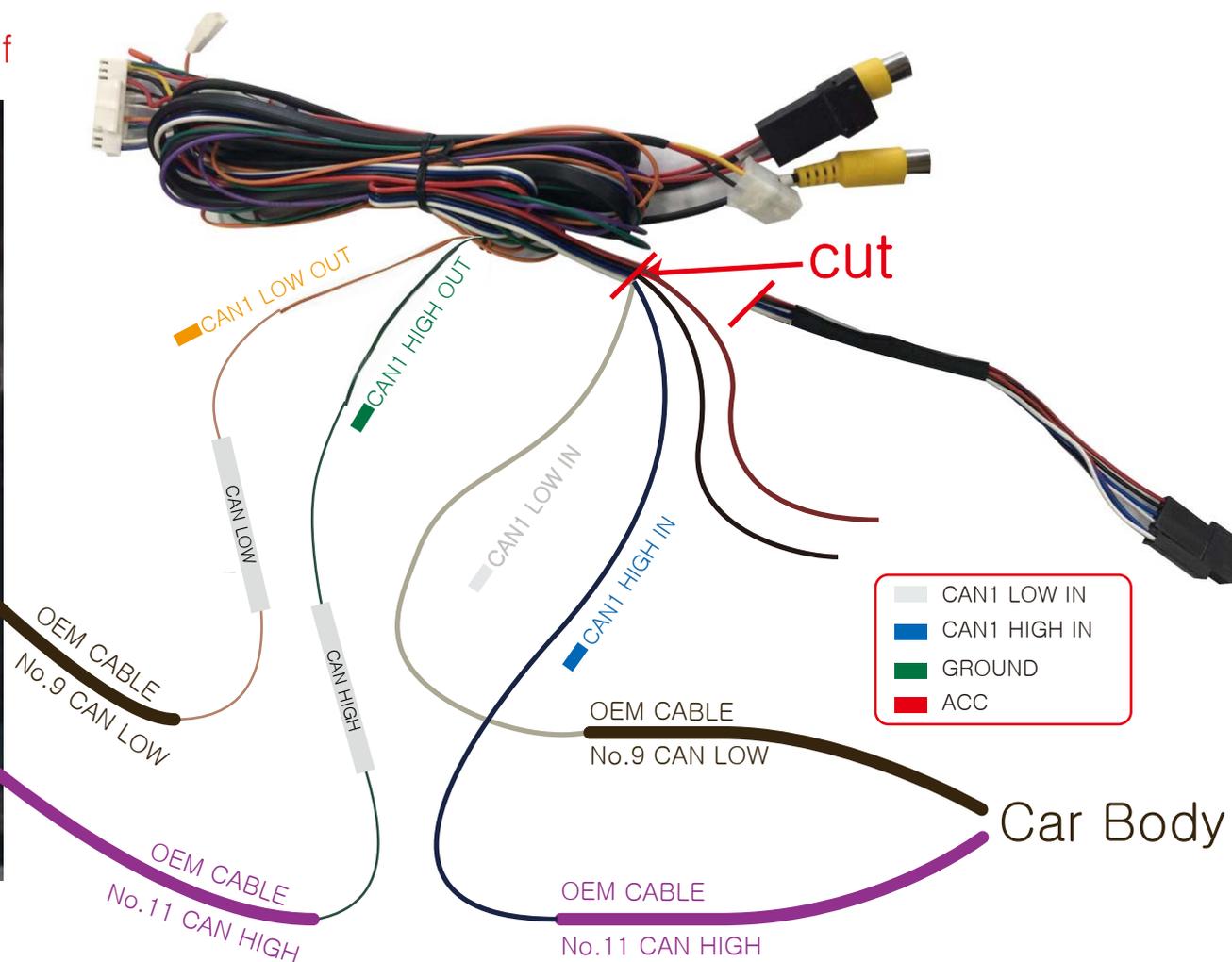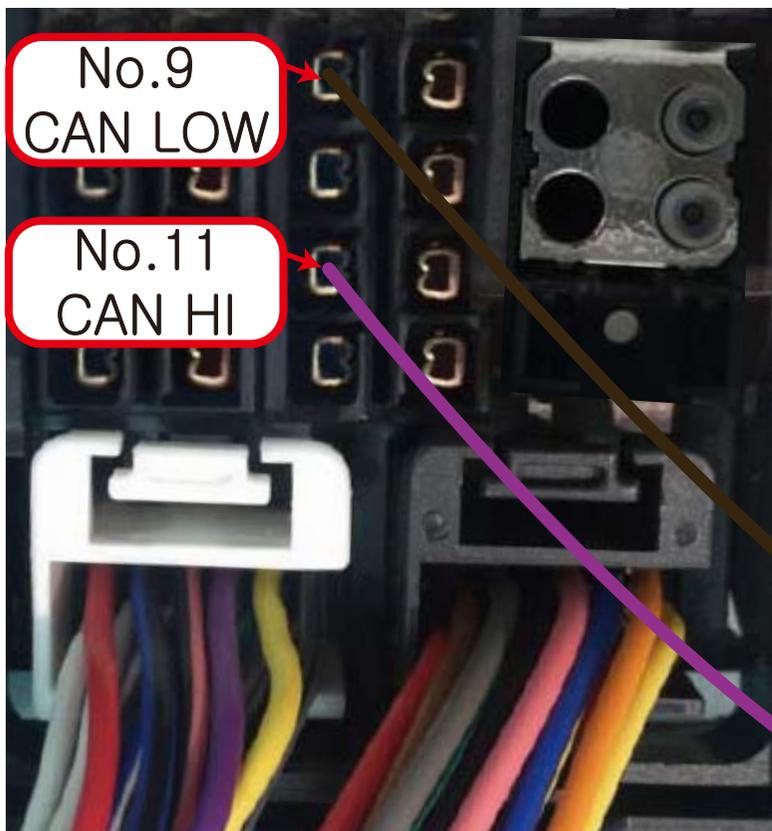
Please install followed above installation if you install both of Video Interface and TV free.

INSTALLATION – POWER CAN

Plug and Play

Power CAN OUT

Power CAN IN

IR

Camera In

Power Cable

AV IN

External Power

───	B+
───	ACC
───	GND

Power CAN OUT

Power CAN IN

OEM CAN
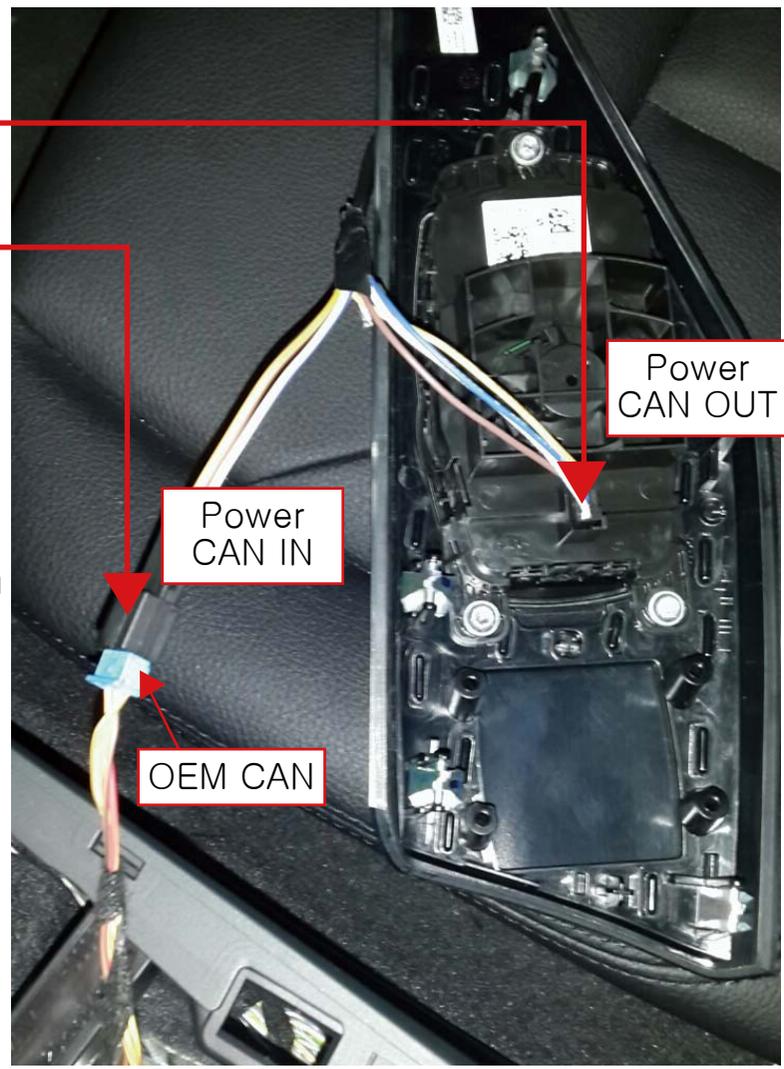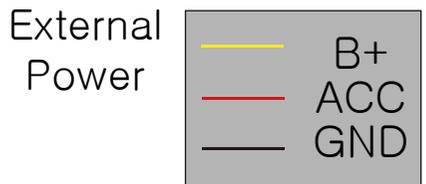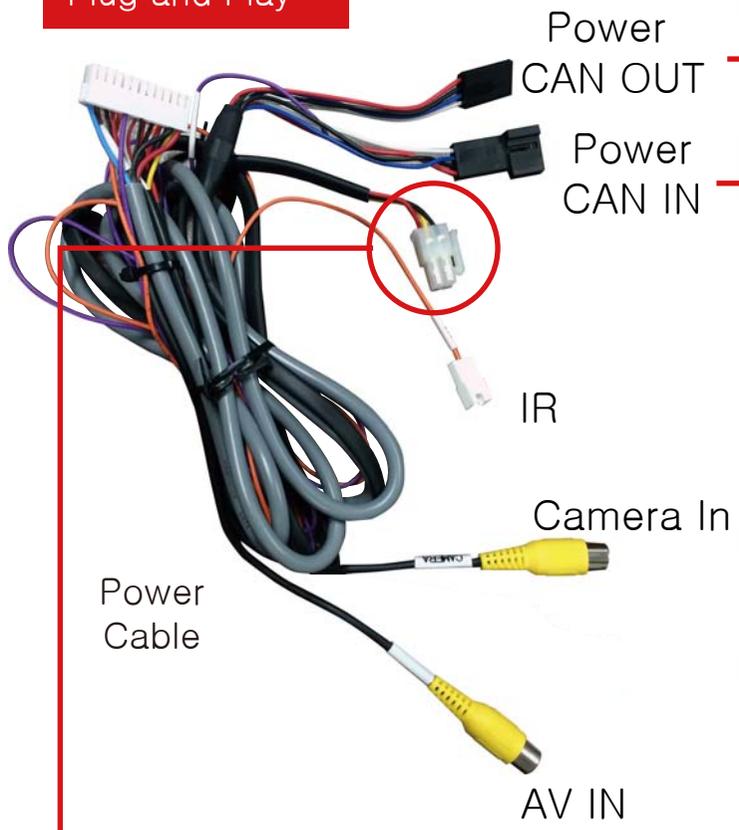
■ METHOD OF PIP MODE SWITCH

* SWITCH PIP MODE ON AV SCREEN [HOLD △ BUTTON (12 O' CLOCK DIRECTION)

[ORIGINA]   [AV]   [AV]   [ORIGINA]   [AV FULL]
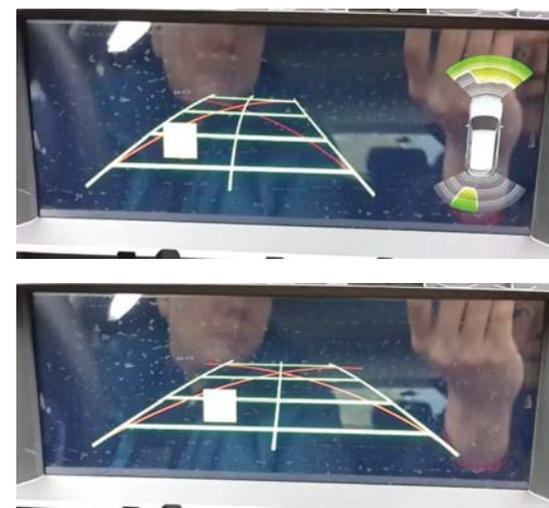
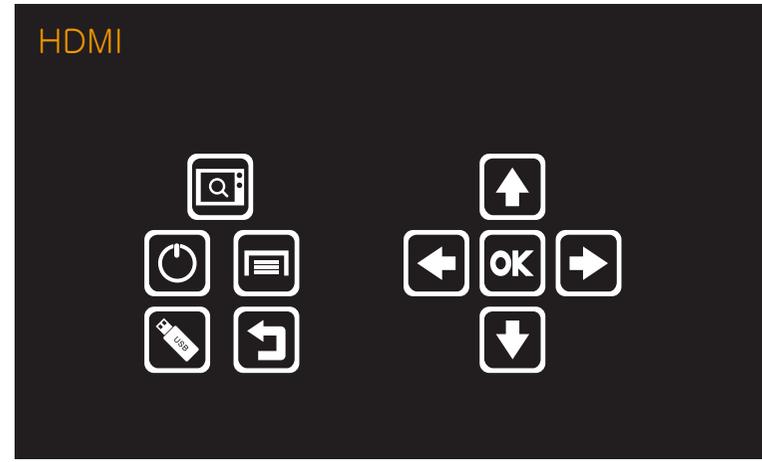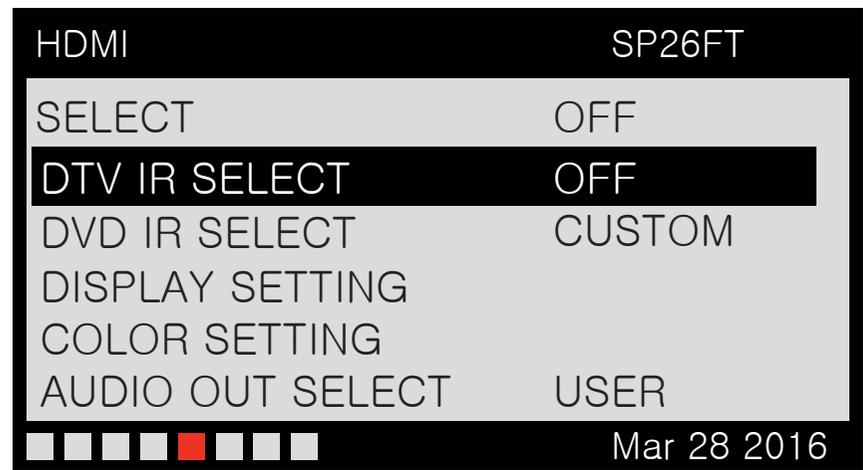REAR VIEW SCREEN SIZE, PIP POSITION

PRESS △ FOR LONG TO CHANGE
SCREEN SIZE OF REAR VIEW

➡ 2016
NEW X3, X4, 2, 3, 4 SERIES
8.8" MONITOR

◼ DTV & DVD TOUCH IR CONTROL

AV1	SP26FT
SELECT	**OFF**
DISPLAY SETTING	
COLOR SETTING	
CUSTOM IR SETTING	
	Mar 28 2016

AV1

HDMI	SP26FT
SELECT	OFF
DTV IR SELECT	**OFF**
DVD IR SELECT	CUSTOM
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER
	Mar 28 2016
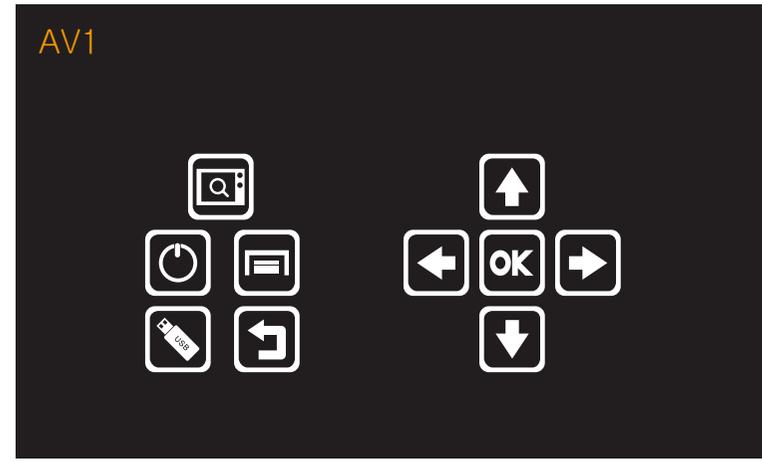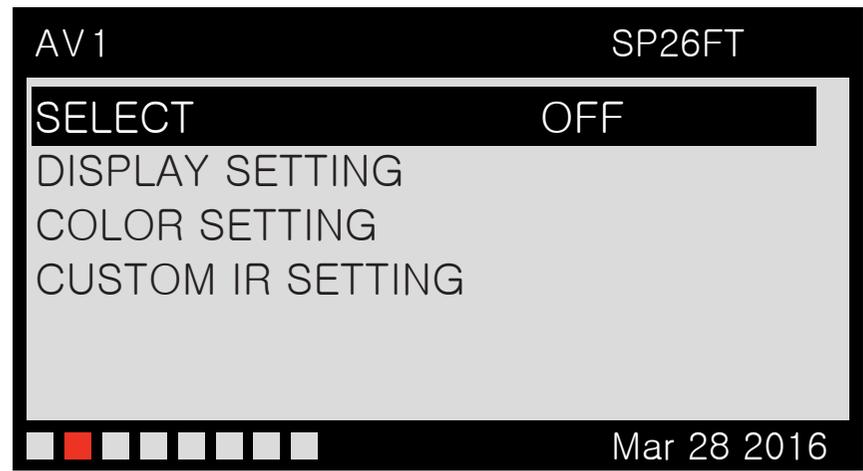
HDMI

You can use touch icon to touch IR control after the DTV& DVD adjusted by us.

METHOD OF MODE SWITCH

PRESS MENU , HOME BUTTON 2S FOR SWITCHING MODE

PRESS MAP , 🎤 BUTTON SHORT FOR SWITCHING MODE

OEM → GPS → AV1 → AV2 → AV3 → HDMI

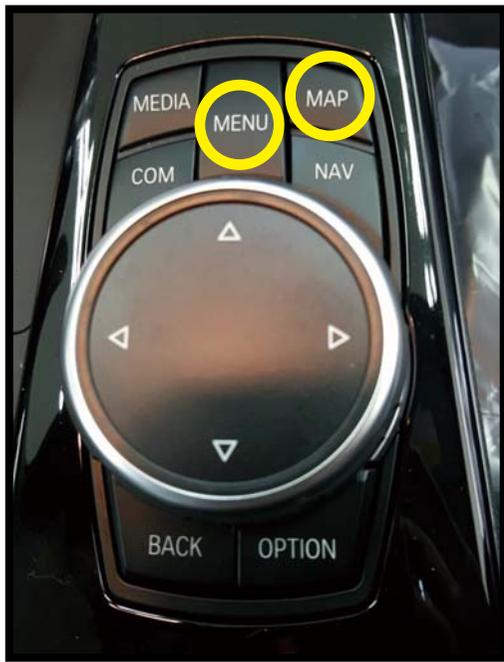PRESS 🎤 BUTTON OF STEERING WHEEL 7S FOR SWITCHING FUNCTION ON/OFF

◼ METHOD OF REAR MODE SWITCH

SETTING	SP26FT
FRONT CAMERA	OFF
OEM FRONT CAMERA	5 Sec
RTC	ON
REAR SEL	CVBS
V MOTION	ON
QUICK MENU	OFF
	Mar 28 2017

RTC Function : The screen will switch between OEM rear camera and external camera input every time you hold jog shuttleto the right as below images showed.

QUICK MENU

Please set "QUICK" & "QUICK ICON"
ON when you want to use them

Please set the icons ON on our OSD MENU, then
color of icons will be changed from grey to black.
After that, you can direct to each mode by touching
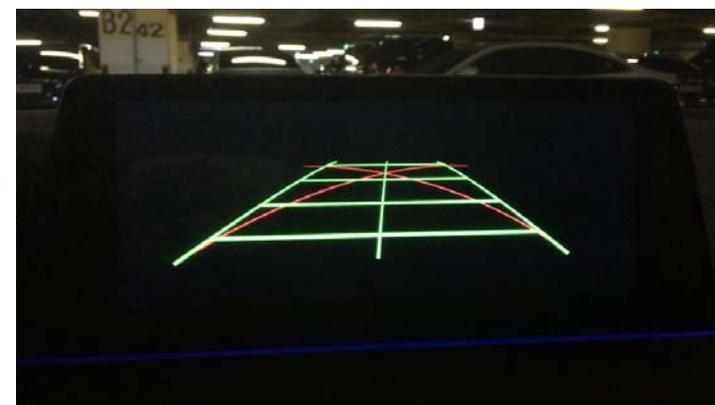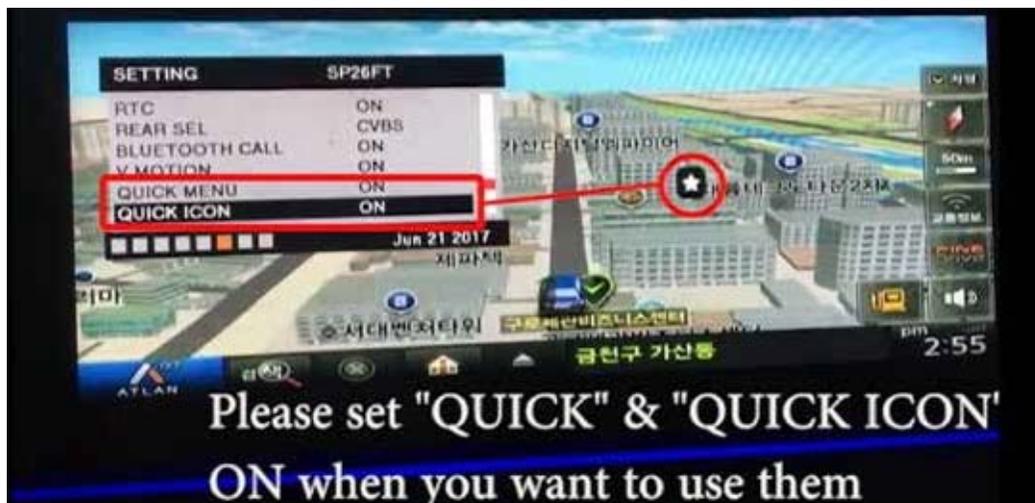
HOW TO CONNECT VIDEO AUDIO WHEN YOU ONLY USE ONE AV INPUT
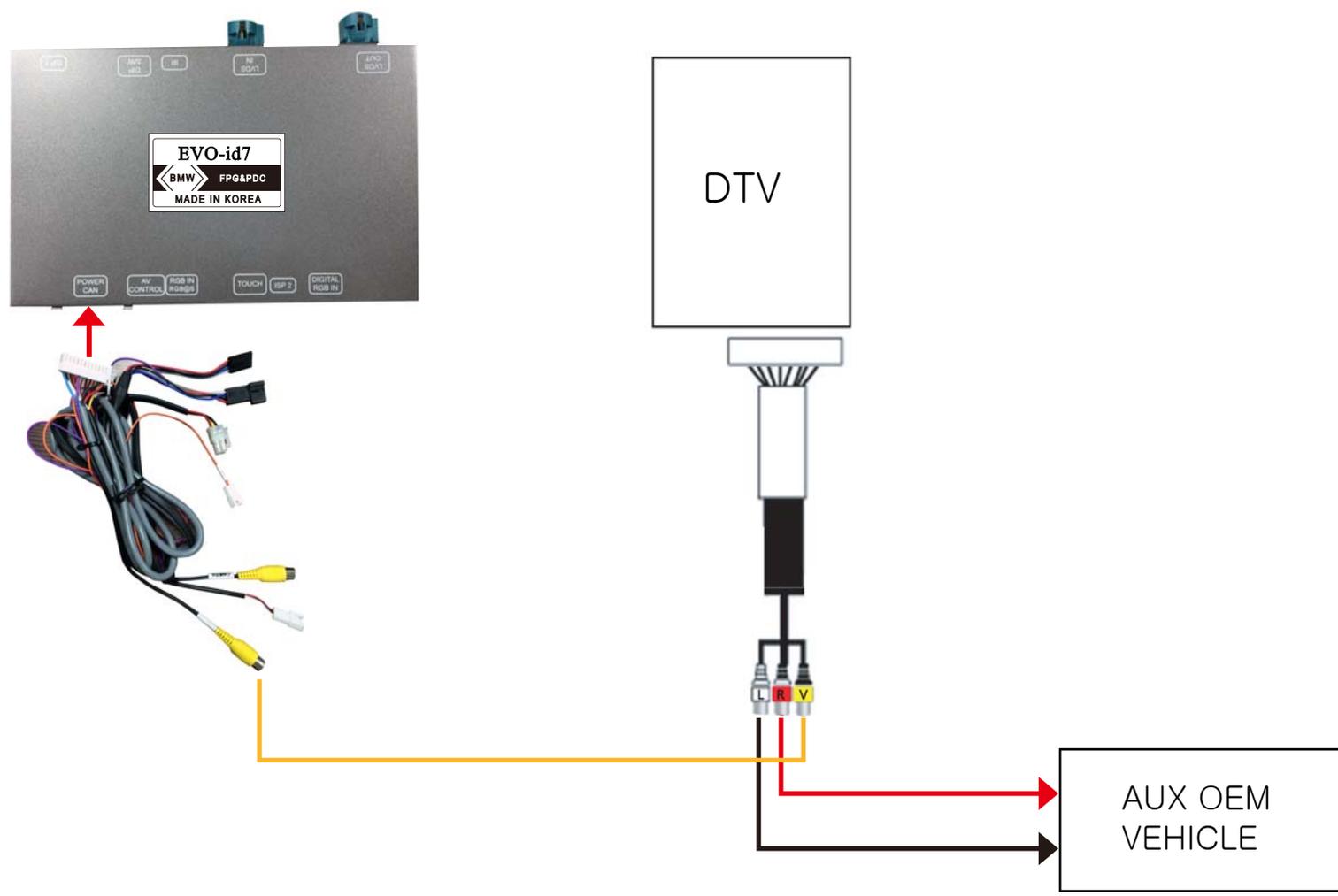
HOW TO CONNECT VIDEO AUDIO WHEN YOU USE MORE THAN 2 AV INPUTS

1. OSD MENU

There are two types of OSD menu as followed pictures.

[Video OSD Menu]is use for setting NAVI, AV1/2/3, video of HDMI and detailed features.

[Rear OSD Menu]is use for setting detailed features of rear camera mode.

submenu

model name

NAVI	SP26FT
SELECT	MST3000
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER

submenu

Mar 28 2016

cursor of submenu position

[Video OSD Menu]

firmware date

FPG ON/OFF
PDC ON/OFF
FPG POSITION
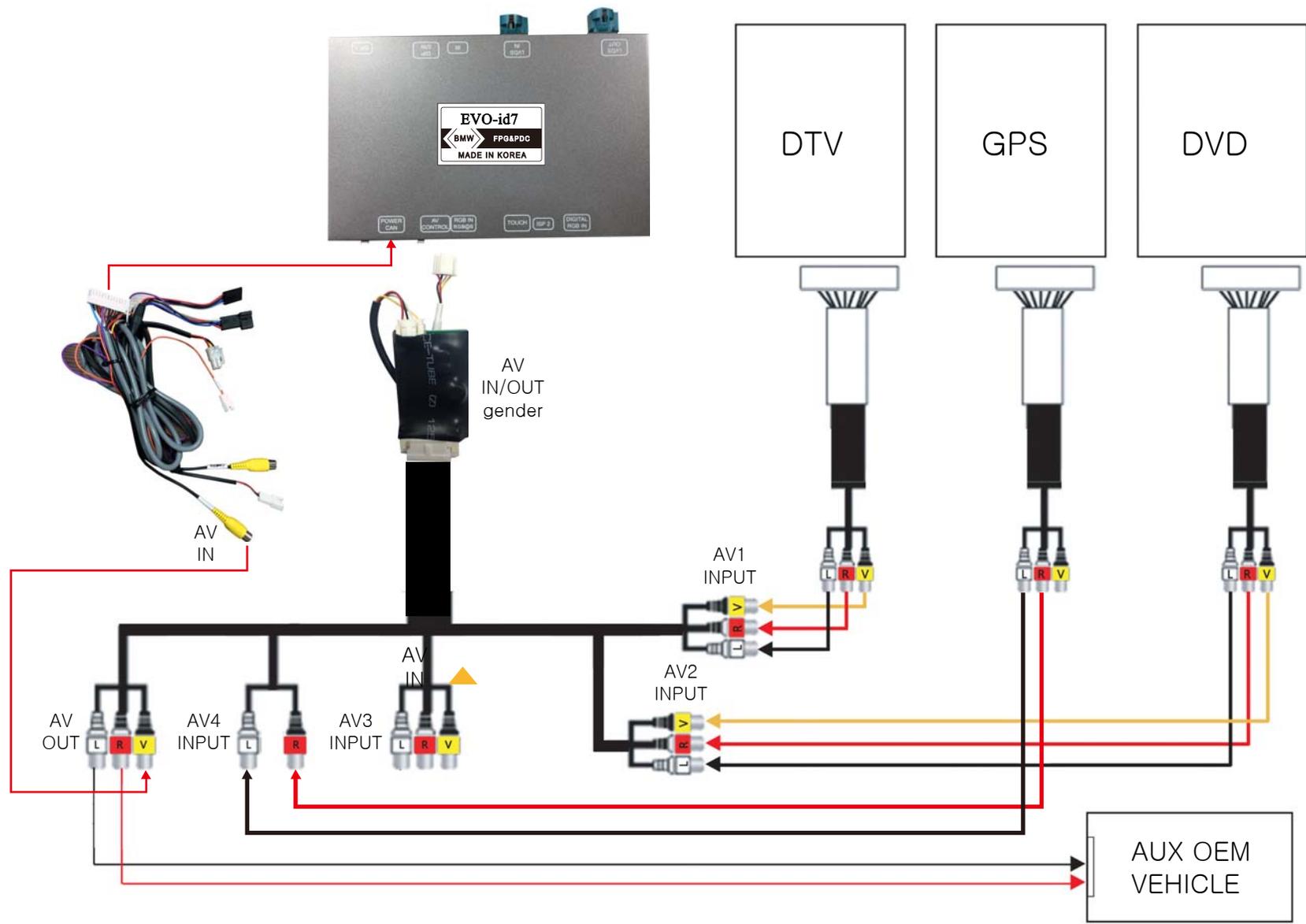PDC POSITION
WARNING ON/OFF
WARNING LANGUAGE
AVC TYPE
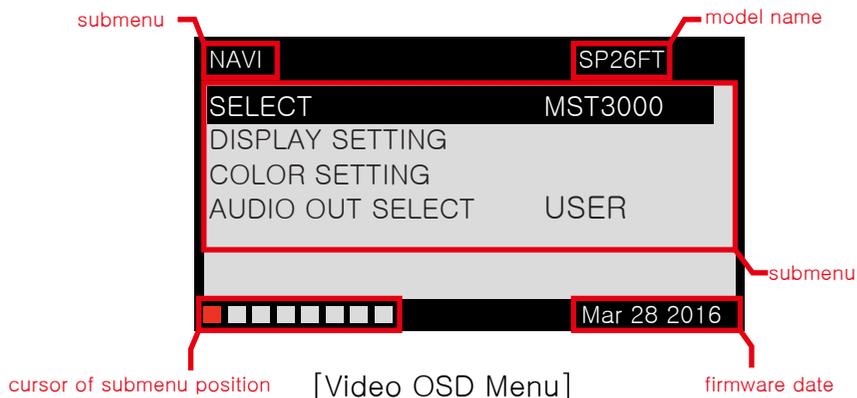
[Rear OSD Menu]

1-1. THE METHOD HOW TO ENTER TO OSD MENU

[Video OSD Menu] The method how to enter to Video OSD Menu is press ①OK button for 4times by R/C, on Navi, AV1, AV2, AV3, HDMI modes. numbers will display per press on screen. Finally, Please press ② button to enter when the screen appear number 4.

[Rear OSD Menu]The method how to enter to Rear OSD Menu is same as aboce method.

(pulting reverse gear to move the rear camera mode.)

1 ▶ 1 ▶ 1 ▶ 1 ▶ 2

[INTERFACE R/C]

2. Detailed features of [Video OSD]

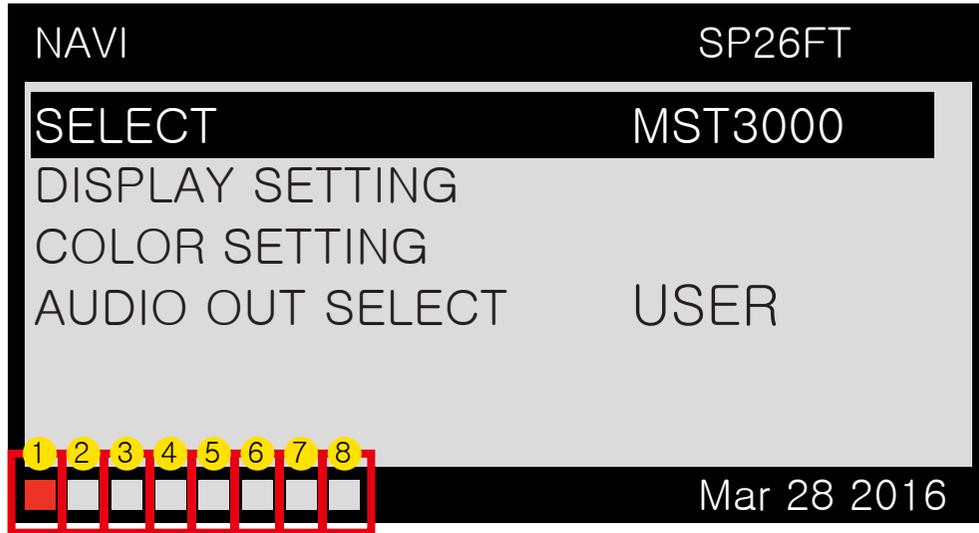| NAVI	SP26FT
SELECT	MST3000
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER
	Mar 28 2016

[NAVI SETTING]

① NAVI SETTING
② AV1 SETTING
③ AV2 SETTING
④ AV3 SETTING
⑤ HDMI SETING
⑥ FRONT CAMERA SETTING
⑦ INFORMATION
⑧ EXIT

2-1. NAVI
2-1(1). SELECT

Select compatible model for GPS Box video output.

If there aren't compatible model, Please select one of models which video output almost completely. And then adjust the video size in Display setting.

NAVI	SP26FT
SELECT	MST3000
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER
	Mar 28 2016

NAVI	SP26FT
MST3000	
CREATOR	
PWRNAVI	
LS-901	
CN-VX118T	
I-GO	
	Mar 28 2016
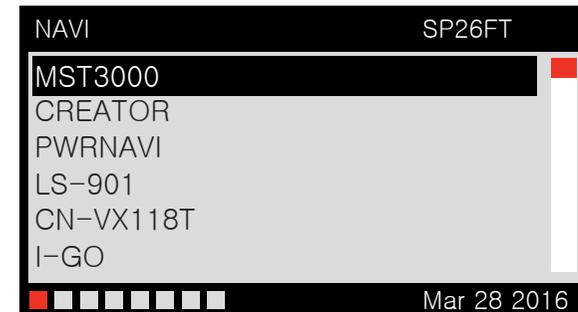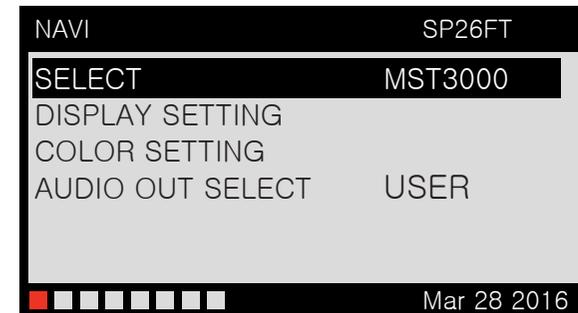
2-1. NAVI
2-1(2). DISPLAY SETTING

These are adjustment functions for video output of GPS Box which can't compatible with Display screen size.

NAVI	SP26FT
SELECT	MST3000
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER
	Mar 28 2016

NAVI	SP26FT
H-POS	**0**
V-POS	0
H-SIZE	0
V-SIZE	0
SHARPNESS	0
DEFAULT	
	Mar 28 2016

- ■ H-POS : Horizontal movement
- ■ V-POS : Vertical movement
- ■ H-SIZE : Horizontal enlargement or reduction
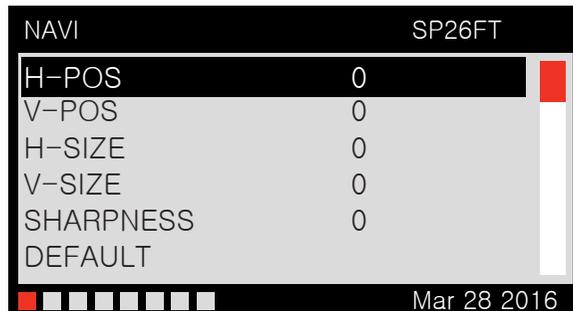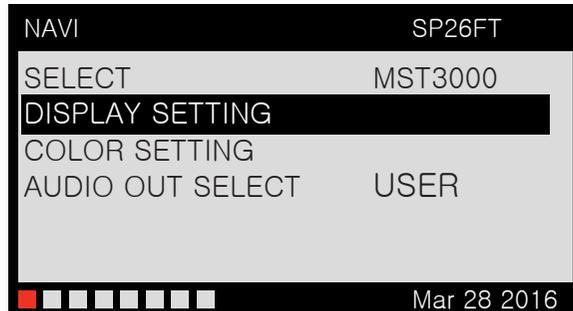- ■ V-SIZE : Vertical enlargement or reduction
- ■ SHARPNESS : adjust the sharpness
- ■ DEFAULT : Initialization

2-1. NAVI
2-1(3). COLOR SETTING

These are adjustment function for video contrast and video brightness of GPS Box.
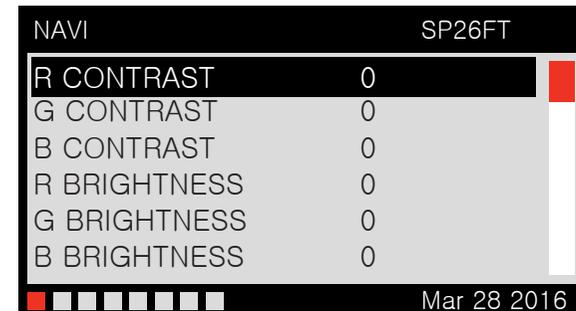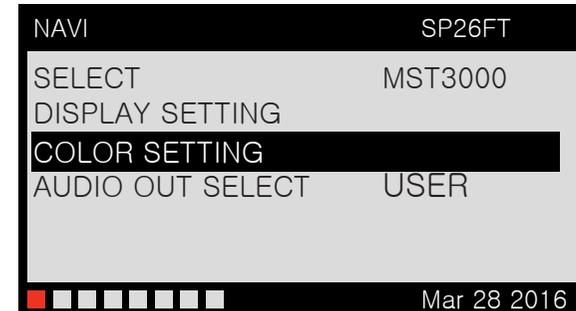
NAVI	SP26FT
SELECT	MST3000
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER
	Mar 28 2016

NAVI	SP26FT
R CONTRAST	**0**
G CONTRAST	0
B CONTRAST	0
R BRIGHTNESS	0
G BRIGHTNESS	0
B BRIGHTNESS	0
	Mar 28 2016

- ■ R CONTRAST : adjust red of contrast
- ■ G CONTRAST : adjust green of contrast
- ■ B CONTRAST : adjust blue of contrast
- ■ R BRIGHTNESS : adjust red of brightness
- ■ G BRIGHTNESS : adjust green of brightness
- ■ B BRIGHTNESS : adjust blue of brightness
- ■ DEFAULT : Initialization

2-1. NAVI

2-1(4). AUDIO OUT SELECT

※ONLY USEFUL WHEN USING AV GENDER※

NAVI	SP26FT
SELECT	MST3000
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER
	Mar 28 2016

NAVI	SP26FT
USER	
AV1	
AV2	
AV3	
	Mar 28 2016
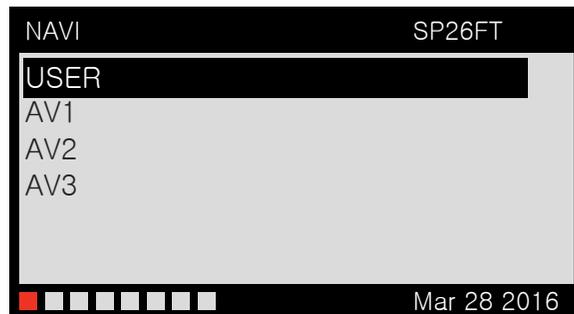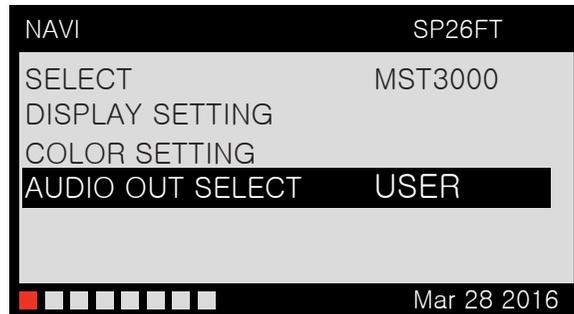
- USER : OUTPUT AUDIO OF WHICH MODE SWITCH BEFORE THE NAVI MODE.
- AV1 : OUTPUT AUDIO WHICH ALREADY INPUT AV1 OF AV GENDER
- AV2 : OUTPUT AUDIO WHICH ALREADY INPUT AV2 OF AV GENDER
- AV3 : OUTPUT AUDIO WHICH ALREADY INPUT AV3 OF AV GENDER

2-2. AV1(DTV)/ AV2(DVD)/AV3(RECORDER)

AV1	SP26FT
SELECT	OFF
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	
	Mar 28 2016
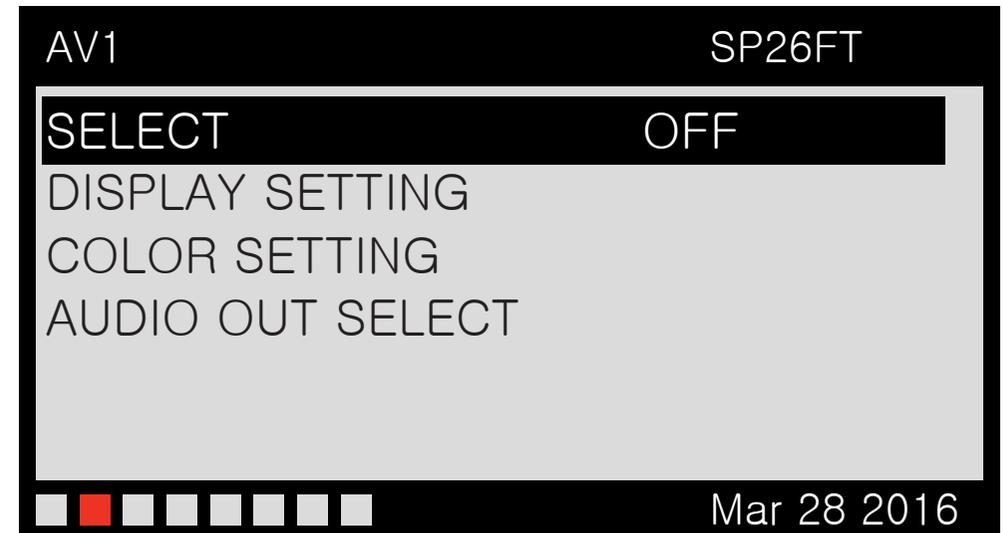
[AV SETTING]

2-2. AV1(DTV)/ AV2(DVD)/ AV3(RECORDER)
2-2(1). SELECT

PLEASE USE AV MODES, OR SELECT CONNECTED DEVICE OF AV IN ORDER TO CONTROL.

AV1	SP26FT
SELECT	OFF
DISPLAY SETTING	
COLOR SETTING	
CUSTOM IR SETTING	
	Mar 28 2016

NAVI	SP26FT
OFF	
ON	
CUSTOM	
HDMI	
CE-908	
CE-906	
	Mar 28 2016
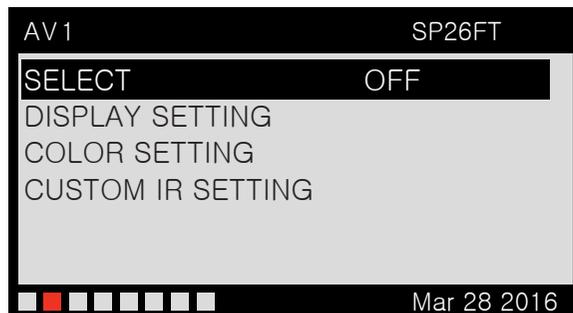
- OFF : DO NOT USE AV MODES
- ON : USE AV MODES
- CUSTOM : USE AV MODES AND CONTROL BY CUSTOM.
- MODEL LIST : USE AV MODES AND CONTROL SELECTED AV MODEL BY IR.

2-2. AV1(DTV)/ AV2(DVD)/ AV3(RECORDER)
2-2(2). DISPLAY SETTING

THESE ARE ADJUSTMENT FUNCTIONS FOR VIDEO OUTPUT OF AV WHICH CAN'T COMPATIBLE WITH DISPLAY SCREEN SIZE.
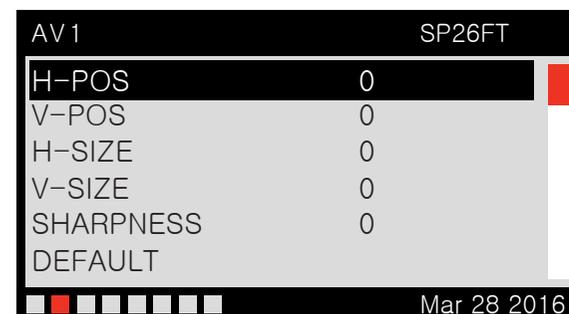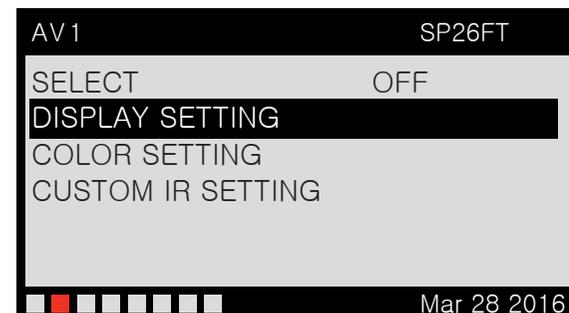
AV1	SP26FT
SELECT	OFF
DISPLAY SETTING	
COLOR SETTING	
CUSTOM IR SETTING	
	Mar 28 2016

AV1	SP26FT
H-POS	0
V-POS	0
H-SIZE	0
V-SIZE	0
SHARPNESS	0
DEFAULT	
	Mar 28 2016

- H-POS : HORIZONTAL MOVEMENT
- V-POS : VERTICAL MOVEMENT
- H-SIZE : HORIZONTAL ENLARGEMENT OR REDUCTION
- V-SIZE : VERTICAL ENLARGEMENT OR REDUCTION
- SHARPNESS : ADJUST THE SHARPNESS
- DEFAULT : INITIALIZATION

2-2. AV1(DTV)/ AV2(DVD)/ AV3(RECORDER)

2-2(3). COLOR SETTING

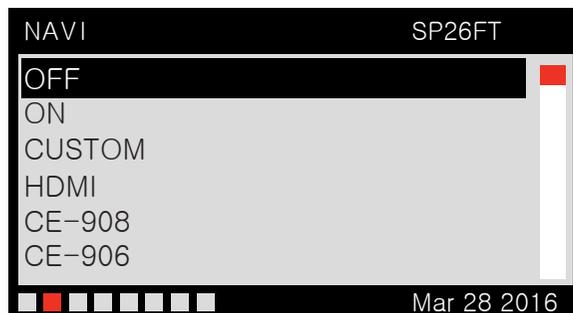THESE ARE ADJUSTMENT FUNCTIONS FOR VIDEO CONTRAST
VIDEO BRIGHTNESS OF AV.
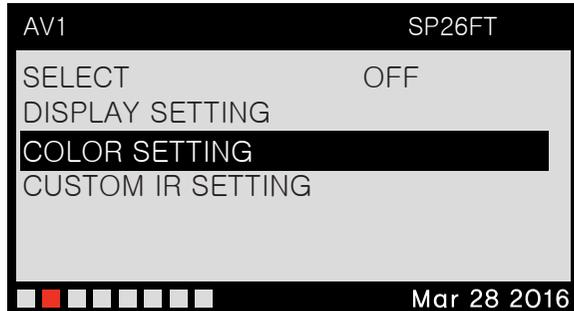
AV1	SP26FT
SELECT	OFF
DISPLAY SETTING	
COLOR SETTING	
CUSTOM IR SETTING	
	Mar 28 2016

AV1	SP26FT
R CONTRAST	**0**
G CONTRAST	0
B CONTRAST	0
R BRIGHTNESS	0
G BRIGHTNESS	0
B BRIGHTNESS	0
	Mar 28 2016

- ■ R CONTRAST : ADJUST RED OF CONTRAST
- ■ G CONTRAST : ADJUST GREEN OF CONTRAST
- ■ B CONTRAST : ADJUST BLUE OF CONTRAST
- ■ R BRIGHTNESS : ADJUST RED OF BRIGHTNESS
- ■ G BRIGHTNESS : ADJUST GREEN OF BRIGHTNESS
- ■ B BRIGHTNESS : ADJUST BLUE OF BRIGHTNESS
- ■ DEFAULT : INITIALIZATION

2-2. AV1(DTV)/ AV2(DVD)/ AV3(RECORDER)
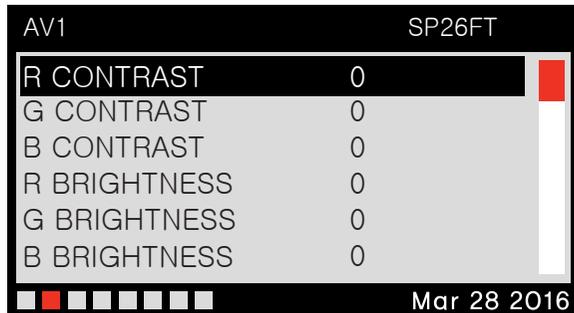
2-2(4). CUSTON IR SETTING

IN ORDER TO USE IR CONTROL WHICH MODEL CAN NOT SUPPORT
ON [SELECT MENU]. USER CAN INPUT IR CODE BY THEMSELVES.

NAVI	SP26FT
SELECT	OFF
DISPLAY SETTING	
COLOR SETTING	
CUSTOM IR SETTING	
	Mar 28 2016

NAVI	SP26FT
SET	
DEFAULT	
	Mar 28 2016
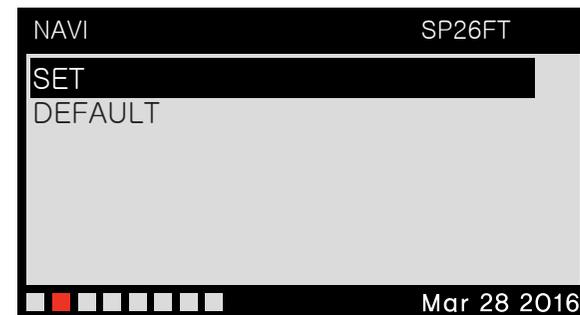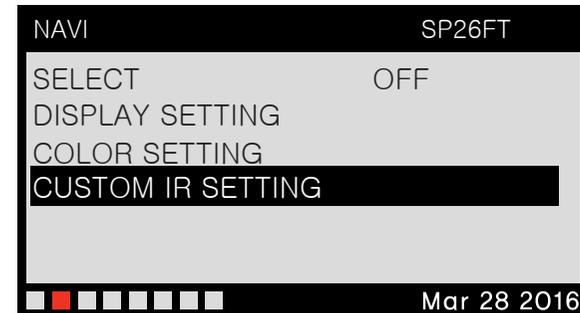
- ■ SET : USERS CAN INPUT IR CODE BY THEMSELVES IN
       ORDER TO CONTROL CONNECTED AV INPUTS.
- ■ DEFAULT : INITIALIZATION

2-2. AV1(DTV)/ AV2(DVD)/ AV3(RECORDER)
2-2(5). CUSTON IR SETTING

1 [ICON SELECT]

MENU ⏻ ▲ ▼ ◀ ▶ OK EXIT

Custom IR Code Memory Setting – AV1

IR CODE : --------

<UP/DOWN/LEFT/RIGHT> : Move, <OK> : Select
<POWER> : Exit

3 [IR CODE INPUT]

MENU ⏻ ▲ ▼ ◀ ▶ OK EXIT

Custom IR Code Memory Setting – AV1

Press use remote control button
Now IR Code : ea15fb04
New IR Code : ea15fb04
Input count :   3

<POWER> : Back

2 [IR CODE INPUT]

MENU ⏻ ▲ ▼ ◀ ▶ OK EXIT

Custom IR Code Memory Setting – AV1

Press use remote control button
Now IR Code : --------
New IR Code : --------
Input count :   0

<POWER> : Back

4 [IR CODE INPUT FINISHED]

MENU ⏻ ▲ ▼ ◀ ▶ OK EXIT

Custom IR Code Memory Setting – AV1

Press use remote control button
Now IR Code : ea15fb04
New IR Code : --------
Input count :   0

<POWER> : Back

■ PLEASE SELECT THE SET MODE, IF SCREEN DISPLAY SAME AS ABOVE SCREENS. PLEASE SELECT ONE ICON AND INPUT YOUR IR CODE. NUMBERS WILL DISPLAY PER PRESS FM 1 TO 0 WHEN YOU FILL INRO IR CODE, IT WILL DISPLAY ON "NOW IR CODE". IF YOU FINISH SETTING ALL ICONS YOU WANT. PLEASE PRESS ⏻ BUTTON TO FINISH SETTING.

※PLEASE SELECT [CUSTOM], IN ORDER TO USE INPUT FUNCTIONS ON [CUSTOM]※

2-3. HDMI

```
HDMI                         SP26FT

SELECT                   OFF
DTV IR SELECT            OFF
DVD IR SELECT            CUSTOM
DISPLAY SETTING
COLOR SETTING
AUDIO OUT SELECT         USER
                         Mar 28 2016
```
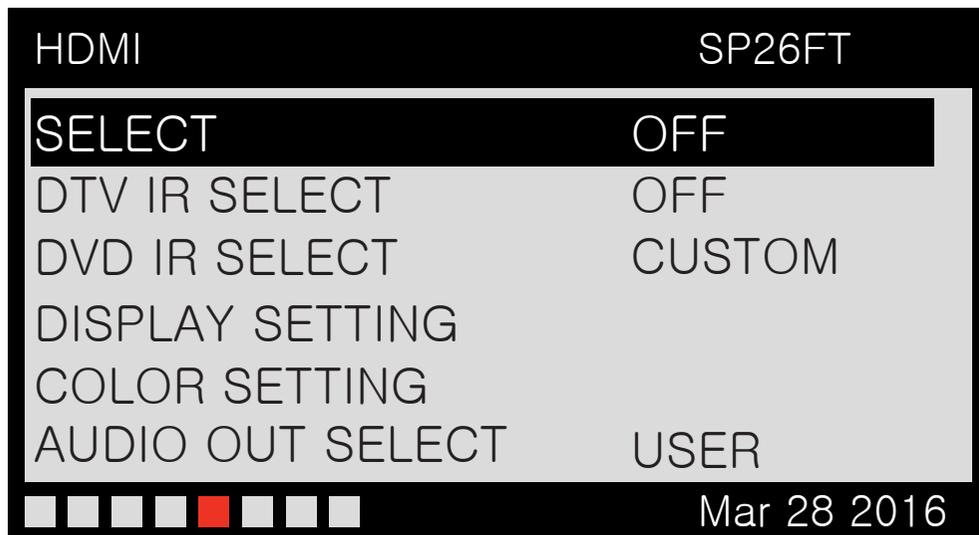
[HDMI SETTING]

2-3. HDMI
2-3(1). SELECT

PLEASE SELECT [HD95E] IN ORDER TO USE HDMI INPUT.

```
HDMI                         SP26FT

SELECT                   OFF
DTV IR SELECT            OFF
DVD IR SELECT            CUSTOM
DISPLAY SETTING
COLOR SETTING
AUDIO OUT SELECT         USER
                         Mar 28 2016
```

```
HDMI                         SP26FT

OFF
HD95
HD95E



                         Mar 28 2016
```

2-3. HDMI
2-3(2). DTV IR SELECT

HDMI	SP26FT
SELECT	OFF
DTV IR SELECT	**OFF**
DVD IR SELECT	CUSTOM
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER

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HDMI	SP26FT
OFF	
ON	
CUSTOM	
HDMI	
CE-908	
CE-906	

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HDMI	SP26FT
PHILIPS	
ARA-HD2	
STB-DTV	
STB-DTB_2	
ARA-DH2_2	
CE-350	

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HDMI	SP26FT
CE-350	
CE-908_T	
CE-906_T	
STB-DTV_T	
ARA-HD2_T	
ARA-HD2_UT	

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2-3. HDMI
2-3(3). DVD IR SELECT

PLEASE SELECT [HD95E] IN ORDER TO USE HDMI INPUT.

HDMI	SP26FT
SELECT	OFF
DTV IR SELECT	OFF
DVD IR SELECT	**CUSTOM**
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER
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HDMI	SP26FT
OFF	
ON	
CUSTOM	
DVA-3206	
DVA-3206_2	
	Mar 28 2016
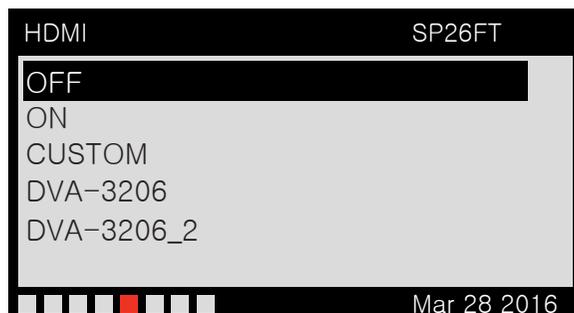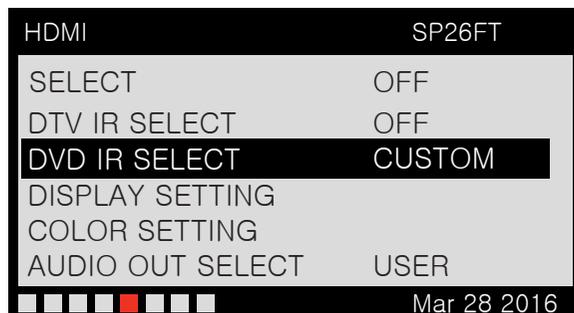
2-3. HDMI
2-3(4). DISPLAY SETTING

THESE ARE ADJUSTMENT FUNCTIONS FOR VIDEO OUTPUT OF HDMI
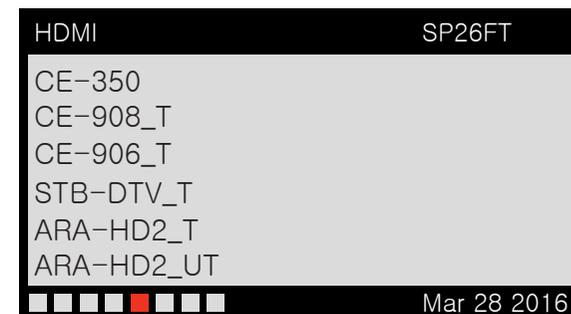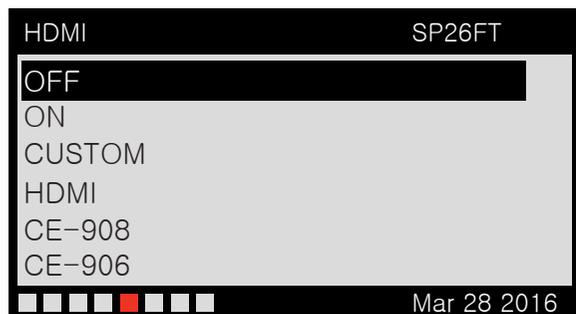
WHICH CAN'T COMPATIBLE WITH DISPLAY SCREEN SIZE.

HDMI	SP26FT
SELECT	OFF
DTV IR SELECT	OFF
DVD IR SELECT	CUSTOM
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER
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HDMI	SP26FT
H-POS	**0**
V-POS	0
H-SIZE	0
V-SIZE	0
SHARPNESS	0
DEFAULT	
	Mar 28 2016
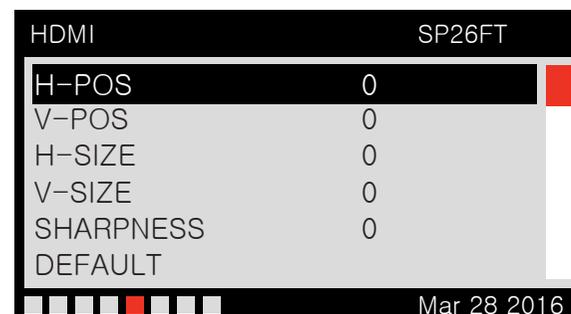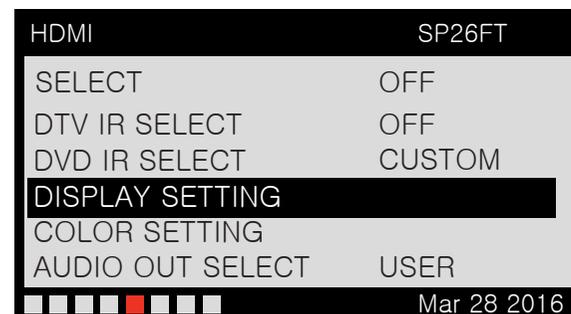
■ H-POS : HORIZONTAL MOVEMENT

■ V-POS : VERTICAL MOVEMENT

■ H-SIZE : HORIZONTAL ENLARGEMENT OR REDUCTION

■ V-SIZE : VERTICAL ENLARGEMENT OR REDUCTION

■ SHARPNESS : ADJUST THE SHARPNESS

■ DEFAULT : INITIALIZATION

2-3. HDMI
2-3(5). COLOR SETTING
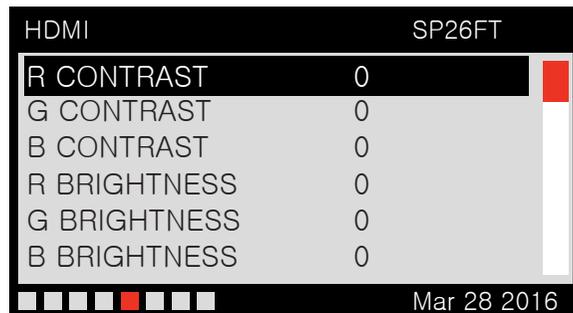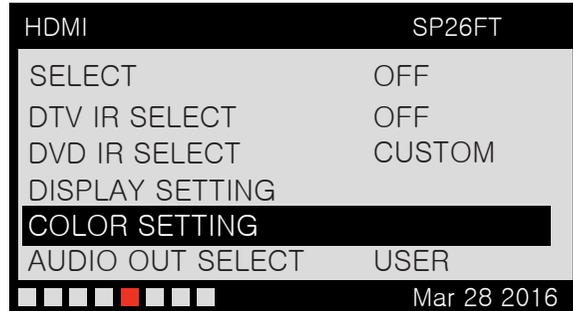
HDMI	SP26FT
SELECT	OFF
DTV IR SELECT	OFF
DVD IR SELECT	CUSTOM
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER
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HDMI	SP26FT
R CONTRAST	0
G CONTRAST	0
B CONTRAST	0
R BRIGHTNESS	0
G BRIGHTNESS	0
B BRIGHTNESS	0
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- R CONTRAST : ADJUST RED OF CONTRAST
- G CONTRAST : ADJUST GREEN OF CONTRAST
- B CONTRAST : ADJUST BLUE OF CONTRAST
- R BRIGHTNESS : ADJUST RED OF BRIGHTNESS
- G BRIGHTNESS : ADJUST GREEN OF BRIGHTNESS
- B BRIGHTNESS : ADJUST BLUE OF BRIGHTNESS
- DEFAULT : INITIALIZATION

2-3. HDMI
2-3(6). AUDIO OUT SELECT

THESE ARE ADJUSTMENT FUNCTIONS FOR VIDEO OUTPUT OF HDMI

WHICH CAN'T COMPATIBLE WITH DISPLAY SCREEN SIZE.

HDMI	SP26FT
SELECT	OFF
DTV IR SELECT	OFF
DVD IR SELECT	CUSTOM
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER
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HDMI	SP26FT
USER	
AV1	
AV2	
AV3	
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- H-POS : HORIZONTAL MOVEMENT
- V-POS : VERTICAL MOVEMENT
- H-SIZE : HORIZONTAL ENLARGEMENT OR REDUCTION
- V-SIZE : VERTICAL ENLARGEMENT OR REDUCTION
- SHARPNESS : ADJUST THE SHARPNESS
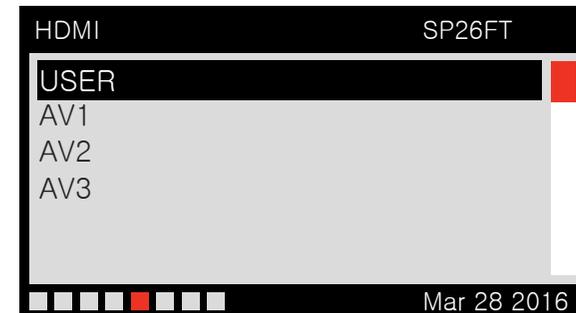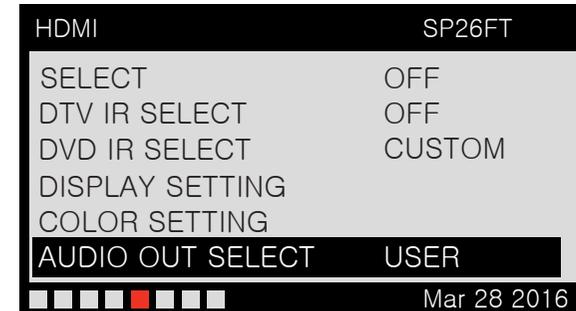- DEFAULT : INITIALIZATION

2-4. SETTING

SETTING	SP26FT
FRONT CAMERA	**OFF**
OEM FRONT CAMERA	5 Sec
RTC	ON
REAR SEL	CVBS
V MOTION	ON
QUICK MENU	ON
	Mar 28 2016
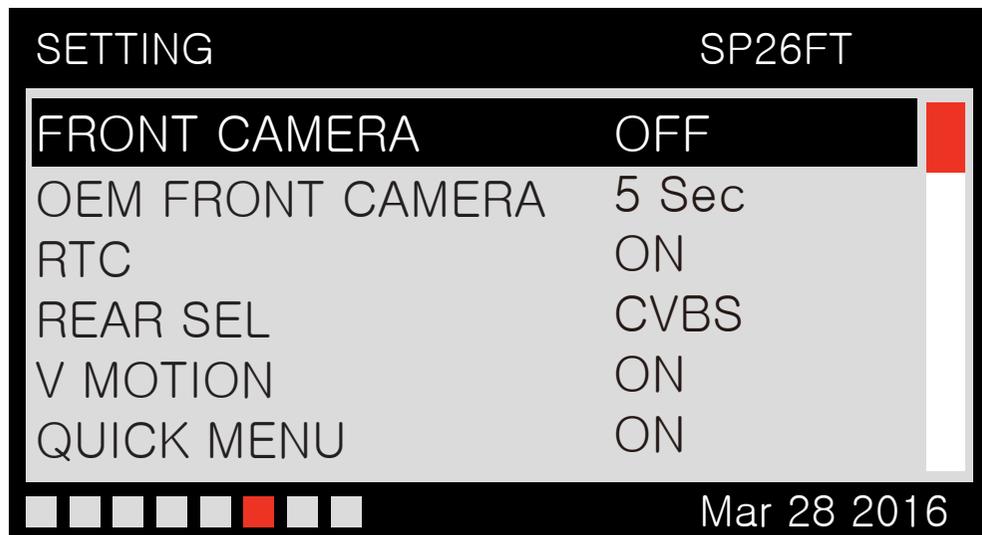
[OTHER SETTING]

2-4. SETTING
2-4(1). FRONT CAMERA

THIS SETTING FUNCTION USES FOR FRONT CAMERA.
IT WILL DISPLAY REAR CAMERA INPUT WHEN PUT THE REVERSE GEAR. AND IT WILL DISPALY FRONT CAMERA INPUT AUTOMATICALLY WHEN PUT BACK TO DRIVE GEAR.
IT ALSO DISPLAY FRONT CAMERA INPUT ATOMATICALLY FOR FEW SECONDS WHEN YOU ARE DRIVING.

SETTING	SP26FT
FRONT CAMERA	OFF
OEM FRONT CAMERA	5 Sec
RTC	ON
REAR SEL	CVBS
V MOTION	ON
QUICK MENU	ON
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SETTING	SP26FT
OFF	
5 Sec	
7 Sec	
9 Sec	
11 Sec	
	Mar 28 2016
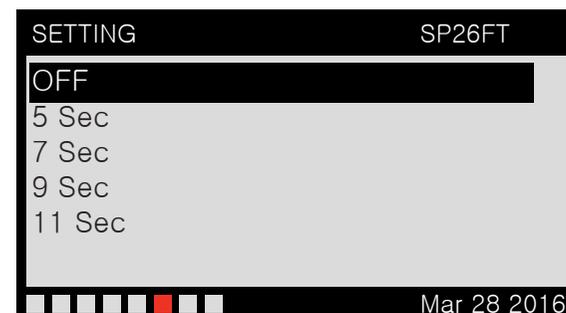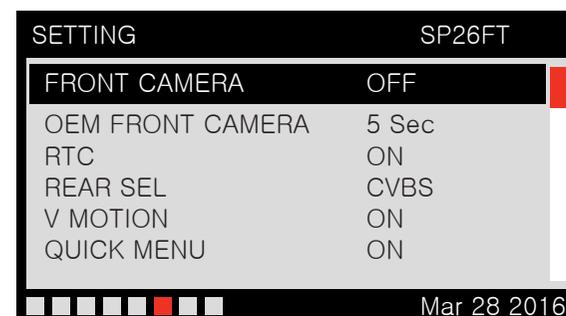
■ OFF : DO NOT USE FRONT CAMERA

■ 5 Sec : DISPLAY FRONT CAMERA INPUT FOR 5 SECONDS

■ 7 Sec : DISPLAY FRONT CAMERA INPUT FOR 7 SECONDS

■ 9 Sec : DISPLAY FRONT CAMERA INPUT FOR 9 SECONDS

■ 11 Sec : DISPLAY FRONT CAMERA INPUT FOR 11 SECONDS

2-4. SETTING
2-4(2). OEM FRONT CAMERA

THESE ARE SETTING FUNCTIONS FOR USING FRONT CAMERA OF OEM.

SETTING	SP26FT
FRONT CAMERA	OFF
OEM FRONT CAMERA	**5 Sec**
RTC	ON
REAR SEL	CVBS
V MOTION	ON
QUICK MENU	ON

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SETTING	SP26FT
OFF	
5 Sec	
7 Sec	
9 Sec	
11 Sec	

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- OFF : DO NOT USE FRONT CAMERA OF OEM
- 5 Sec : DISPLAY OEM FRONT CAMERA INPUT FOR 5 SECONDS
- 7 Sec : DISPLAY OEM FRONT CAMERA INPUT FOR 7 SECONDS
- 9 Sec : DISPLAY OEM FRONT CAMERA INPUT FOR 9 SECONDS
- 11 Sec : DISPLAY OEM FRONT CAMERA INPUT FOR 11 SECONDS

2-4. SETTING
2-4(3). RTC

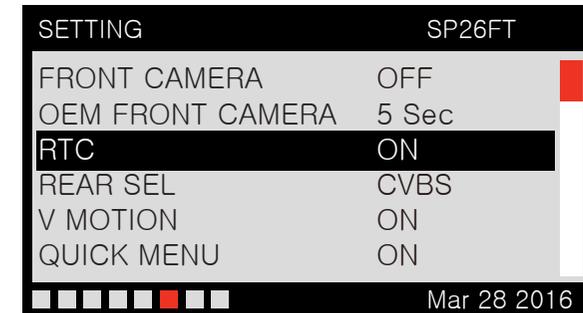| SETTING	SP26FT
FRONT CAMERA	OFF
OEM FRONT CAMERA	5 Sec
RTC	**ON**
REAR SEL	CVBS
V MOTION	ON
QUICK MENU	ON

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SETTING	SP26FT
ON	
OFF	

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2-4. SETTING

2-4(4). REAR SEL

```
SETTING                    SP26FT
FRONT CAMERA          OFF
OEM FRONT CAMERA     5 Sec
RTC                  ON
REAR SEL             CVBS
V MOTION             ON
QUICK MENU           ON
                        Mar 28 2016
```

```
SETTING                    SP26FT
CVBS
HDMI
HD95E



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```

2-4. SETTING

2-4(5). V MOTION

DRIVER CAN WATCH DVD WHEN THEY ARE DRIVING IF THEY SET V MOTION ON BEFORE

```
SETTING                    SP26FT
FRONT CAMERA          OFF
OEM FRONT CAMERA     5 Sec
RTC                  ON
REAR SEL             CVBS
V MOTION             ON
QUICK MENU           ON
                        Mar 28 2016
```

```
SETTING                    SP26FT
ON
OFF



                        Mar 28 2016
```
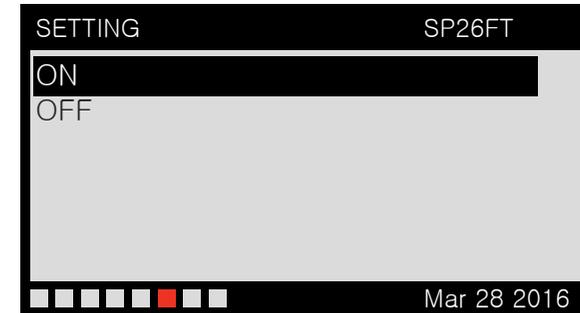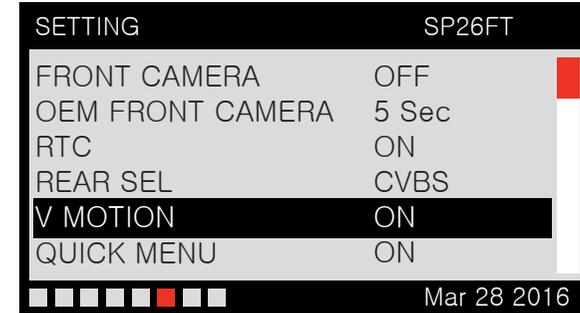
2-4. SETTING
2-4(6). QUICK MENU

SETTING	SP26FT
FRONT CAMERA	OFF
OEM FRONT CAMERA	5 Sec
RTC	ON
REAR SEL	CVBS
V MOTION	ON
QUICK MENU	ON

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SETTING	SP60A
ON	
OFF	

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Please set the icons ON on our OSD MENU, then color of icons will be changed from grey to black. After that, you can direct to each mode by touching
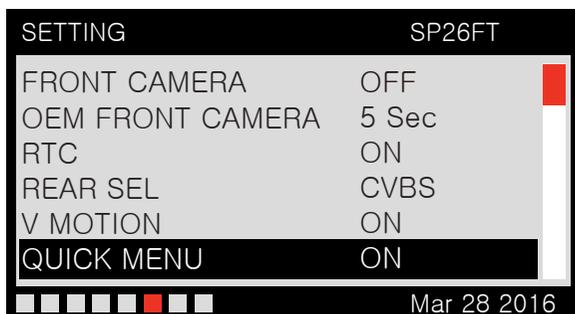
2-4. SETTING
2-4(7). QUICK ICON

SETTING	SP26FT
REAR SEL	CVBS
V MOTION	OFF
QUICK MENU	OFF
QUICK ICON	OFF
TOUCH CALIBRATION	
ALL SETTING DEFAULT	

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SETTING	SP26FT
ON	
OFF	

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Please set "QUICK" & "QUICK ICON" ON when you want to use them
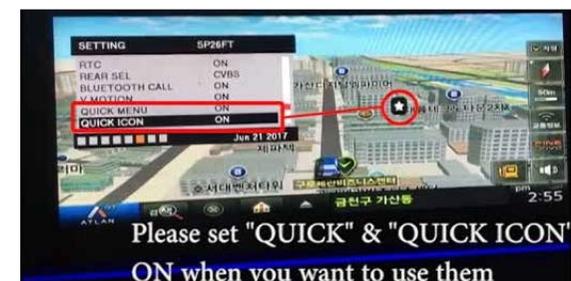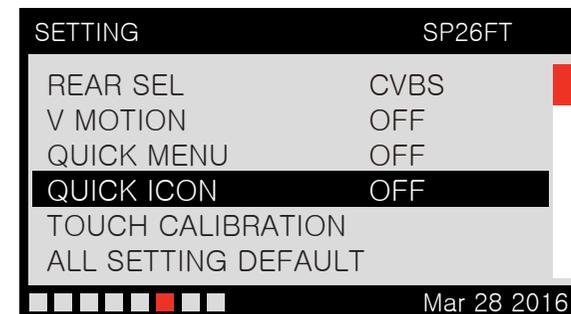
2-4. SETTING
2-4(8). TOUCH CALIBRATION

```
SETTING                    SP26FT
 REAR SEL          CVBS
 V MOTION          OFF
 QUICK MENU        OFF
 QUICK ICON        OFF
 TOUCH CALIBRATION
 ALL SETTING DEFAULT
                          Mar 28 2016
```

```
SETTING                    SP26FT
 NO
 YES



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```

2-4. SETTING
2-4(9). ALL SETTING DEFAULT

```
SETTING                    SP26FT
 REAR SEL          CVBS
 V MOTION          OFF
 QUICK MENU        OFF
 QUICK ICON        OFF
 TOUCH CALIBRATION
 ALL SETTING DEFAULT
                          Mar 28 2016
```

```
SETTING                    SP26FT
 NO
 YES



                          Mar 28 2016
```
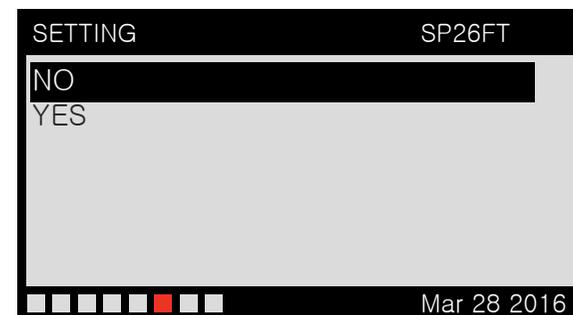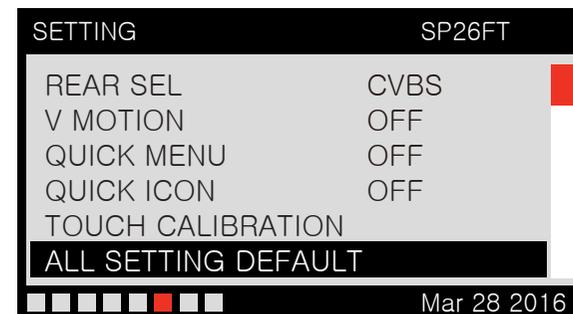
2-4. SETTING

2-4(10). EXIT

FINISH THE OSD MENU OR NOT.

```
EXIT                        SP26FT
NO
YES


■■■■■■■■                 Mar 28 2016
```
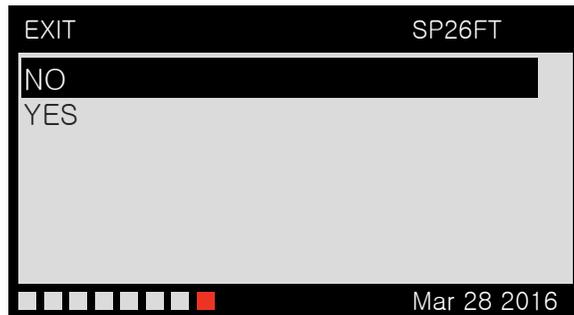
3. REAR OSD DETAILED FEATURES

3-1. FPG ON/OFF

SETTING FPG LINE ON/OFF.

```
FPG ON/OFF                       ■
PDC ON/OFF
FPG POSITION
PDC POSITION
WARNING ON/OFF
WARNING LANGUAGE
AVC TYPE
```

```
FPG ON/OFF
  ON
```
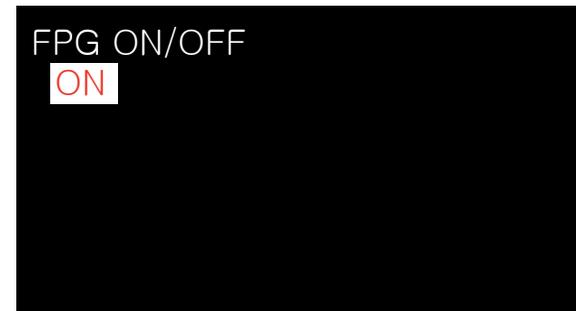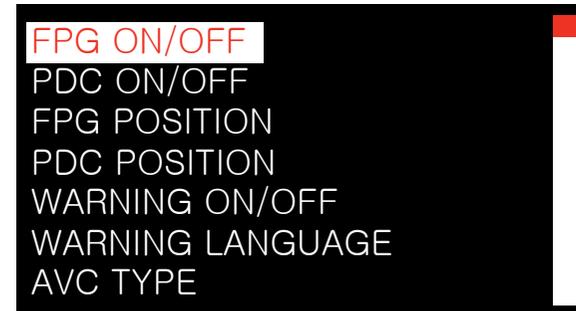
■ ON : DISPLAY FPG LINE

■ OFF : DO NOT DISPLAY FPG LINE

3-2. PDC ON/OFF

SETTING PDC ON/OFF.

```
FPG ON/OFF
PDC ON/OFF
FPG POSITION
PDC POSITION
WARNING ON/OFF
WARNING LANGUAGE
AVC TYPE
```

```
PDC ON/OFF
 ON
```

- ON : DISPLAY PDC
- OFF : DO NOT DISPLAY PDC

3-3. FPG POSITION

ADJUST THE POSITION OF FPG LINE.

```
FPG ON/OFF
PDC ON/OFF
FPG POSITION
PDC POSITION
WARNING ON/OFF
WARNING LANGUAGE
AVC TYPE
```
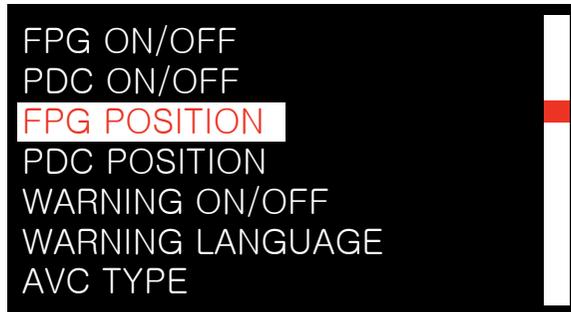
```
FPG POSITION
 V POS
 H POS
 DEFAULT
```

- V POS : MOVE VERTICAL DIRECTION OF FPG LINE
- H POS : MOVE HORIZONTAL DIRECTION OF FPG LINE
- DEFAULT : INITIALIZATION

3-4. PDC POSITION

ADJUST THE POSITION OF PDC.

```
FPG ON/OFF
PDC ON/OFF
FPG POSITION
PDC POSITION
WARNING ON/OFF
WARNING LANGUAGE
AVC TYPE
```

```
PDC POSITION
  RIGHT TOP
```
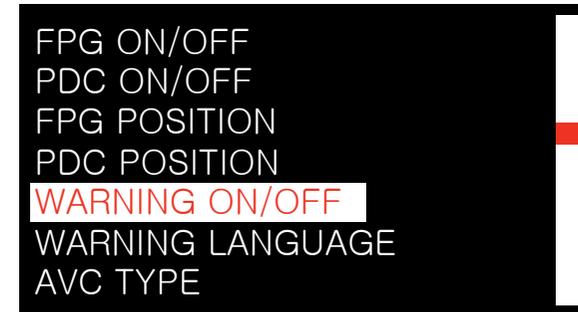
■ RIGHT TOP : PDC DISPLAY ON THE UPPER RIGHT OF SCREEN

■ LEFT TOP : PDC DISPLAY ON THE UPPER LEFT OF SCREEN
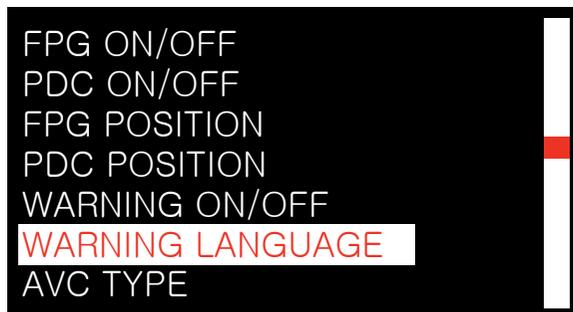
3-5. WARNING ON/OFF

SETTING WARNING ON/OFF.

```
FPG ON/OFF
PDC ON/OFF
FPG POSITION
PDC POSITION
WARNING ON/OFF
WARNING LANGUAGE
AVC TYPE
```

```
WARNING ON/OFF
  ON
```
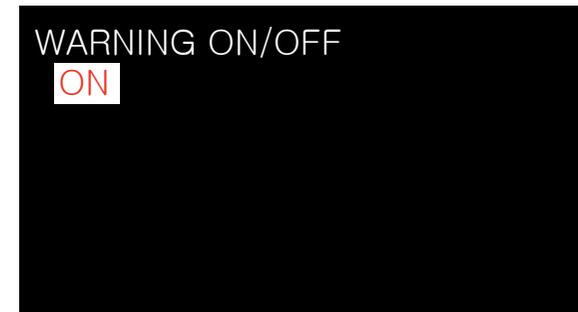
■ ON : DISPLAY REAR WARNING

■ OFF : DO NOT DISPLAY REAR WARNING

3-6. WARNING LANGUAGE

SETTING WARNING LANGUAGE.

```
FPG ON/OFF
PDC ON/OFF
FPG POSITION
PDC POSITION
WARNING ON/OFF
WARNING LANGUAGE
AVC TYPE
```

```
WARNING LANGUAGE
  ENGLISH
```

- ■ ENGLISH
- ■ KOREAN
- ■ CHINESE

3-7. AVC TYPE

SETTING AROUND VIEW MODE.

```
FPG ON/OFF
PDC ON/OFF
FPG POSITION
PDC POSITION
WARNING ON/OFF
WARNING LANGUAGE
AVC TYPE
```

```
AVC TYPE
  4 CAMERA
```
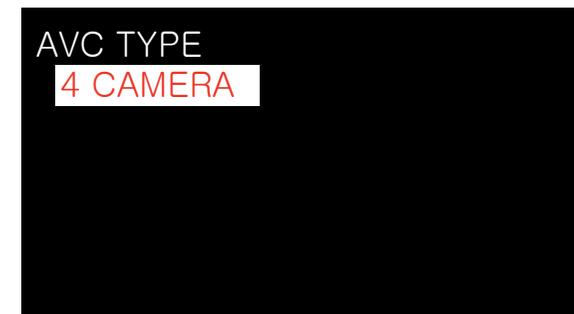
- ■ OFF : DO NOT USE AROUND VIEW MODE
- ■ OMNIVUE : USE AROUND VIEW BY OMNIVUE
  (SUPPORT AROUND VIEW PARKING LINE)
- ■ 4 CAMERA : USE AROUND VIEW BY CHINESE 4 CAMERA
  (SUPPORT AROUND VIEW PARKING LINE)

3-8. AVC POSITION

ADJUST THE POSITION OF AROUND VIEW LINE.
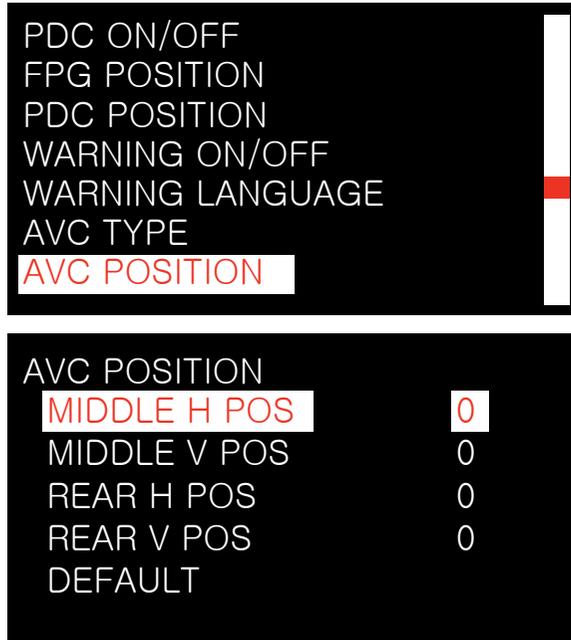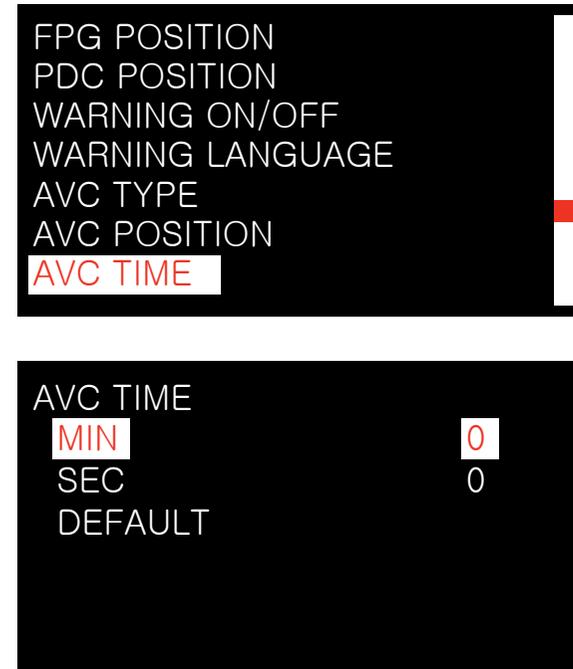
```
PDC ON/OFF
FPG POSITION
PDC POSITION
WARNING ON/OFF
WARNING LANGUAGE
AVC TYPE
AVC POSITION
```

```
AVC POSITION
  MIDDLE H POS          0
  MIDDLE V POS          0
  REAR H POS            0
  REAR V POS            0
  DEFAULT
```

■ MIDDLE H POS : ADJUST SIDE LINE HORIZONTAL POSITION ON AVC

■ MIDDLE V POS : ADJUST SIDE LINE VERTICAL POSITION ON AVC

■ REAR H POS : ADJUST REAR LINE HORIZONTAL POSITION ON AVC

■ REAR V POS : ADJUST REAR LINE VERTICAL POSITION ON AVC

■ DEFAULT : INITIALIZATION

3-9. AVC TIME

THESE ARE SETTING METHOD WHEN USING AVC.
IT WILL DISPLAY AVC WHEN PUT THE REVERSE GEAR, AND IT WILL
STILL ACTIVE FOR PRE-DIFINED AMOUNT OF TIME, ONCE VEHICLE
LEAVES REVERSE GEAR..

```
FPG POSITION
PDC POSITION
WARNING ON/OFF
WARNING LANGUAGE
AVC TYPE
AVC POSITION
AVC TIME
```

```
AVC TIME
  MIN                   0
  SEC                   0
  DEFAULT
```

■ MIN : SETTING FOR MINUTES

■ SEC : SETTING FOR SECONDS

■ DEFAULT : INITIALIZATION

3-10. CAM DISP SETTING
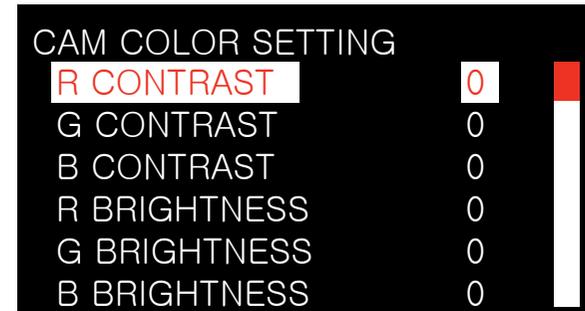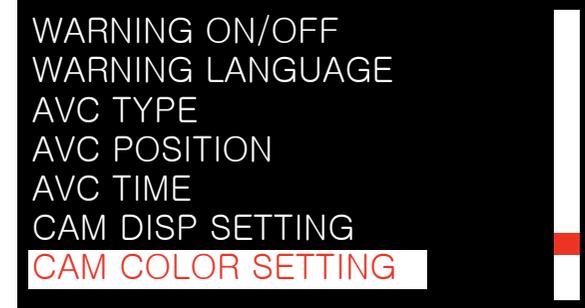
THESE ARE ADJUSTMENT FUNCTIONS FOR VIDEO OUTPUT OF REAR CAMERA WHICH CAN'T COMPATIBLE WITH DISPLAY SCREEN SIZE.

```
PDC POSITION
WARNING ON/OFF
WARNING LANGUAGE
AVC TYPE
AVC POSITION
AVC TIME
CAM DISP SETTING
```

```
CAM DISP SETTING
  V POS            0
  H POS            0
  V SIZE           0
  H SIZE           0
  SHARPNESS        0
  DEFAULT
```

- V POS : VERTICAL MOVEMENT
- H POS : HORIZONTAL MOVEMENT
- V SIZE : VERTICAL ENLARGEMENT OR REDUCTION
- H SIZE : HORIZONTAL ENLARGEMENT OR REDUCTION
- SHARPNESS : ADJUST THE SHARPNESS
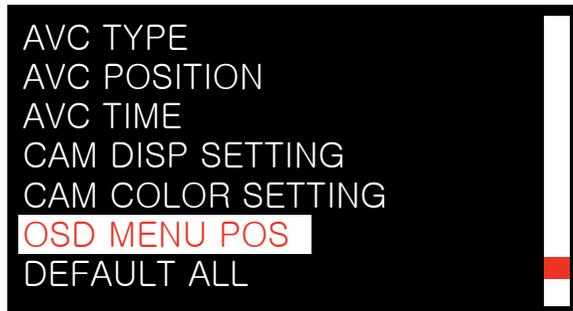- DEFAULT : INITIALIZATION

3-11. CAM COLOR SETTING

THESE ARE ADJUSTMENT FUNCTIONS FOR VIDEO CONTRAST AND VIDEO BRIGHTNESS OF GPS BOX.

```
WARNING ON/OFF
WARNING LANGUAGE
AVC TYPE
AVC POSITION
AVC TIME
CAM DISP SETTING
CAM COLOR SETTING
```

```
CAM COLOR SETTING
  R CONTRAST       0
  G CONTRAST       0
  B CONTRAST       0
  R BRIGHTNESS     0
  G BRIGHTNESS     0
  B BRIGHTNESS     0
```

- R CONTRAST : ADJUST RED OF CONTRAST
- G CONTRAST : ADJUST GREEN OF CONTRAST
- B CONTRAST : ADJUST BLUE OF CONTRAST
- R BRIGHTNESS : ADJUST RED OF BRIGHTNESS
- G BRIGHTNESS : ADJUST GREEN OF BRIGHTNESS
- B BRIGHTNESS : ADJUST BLUE OF BRIGHTNESS
- DEFAULT : INITIALIZATION

3-12. OSD MENU POS

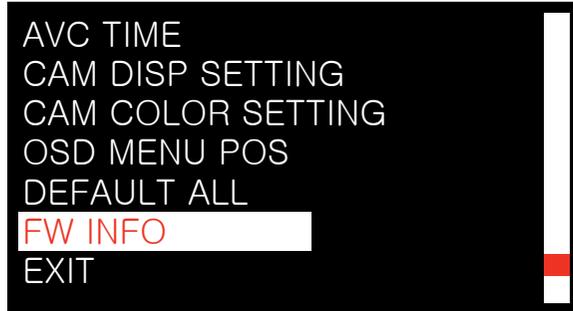THESE ARE ADJUSTMENT FUNCTIONS FOR MOVING POSITION OF OSD MENU. IT WILL BE USED WHEN OVERSHADOWED SETTING IMPOSSIBLE.

```
AVC TYPE
AVC POSITION
AVC TIME
CAM DISP SETTING
CAM COLOR SETTING
OSD MENU POS
DEFAULT ALL
```

```
OSD MENU POS
   LEFT TOP
```

- ■ RIGHT TOP : OSD MENU DISPLAY ON UPPER RIGHT OF SCREEN
- ■ LEFT TOP : OSD MENU DISPLAY ON UPPER LEFT OF SCREEN

3-13. DEFAULT ALL

INITIALIZE ALL MODES OF REAR OSD MENU SETTING.

```
AVC TYPE
AVC POSITION
AVC TIME
CAM DISP SETTING
CAM COLOR SETTING
OSD MENU POS
DEFAULT ALL
```

```
DEFAULT ALL
   NO
```

3-14. FW INFO

```
AVC TIME
CAM DISP SETTING
CAM COLOR SETTING
OSD MENU POS
DEFAULT ALL
FW INFO
EXIT
```

```
FW INFO
 SP26FT
 EXP-E
 Jun 28 2017
```

3-15. EXIT

INITIALIZE ALL MODES OF REAR OSD MENU SETTING.

```
AVC TIME
CAM DISP SETTING
CAM COLOR SETTING
OSD MENU POS
DEFAULT ALL
FW INFO
EXIT
```

```
EXIT
 NO
 YES
```