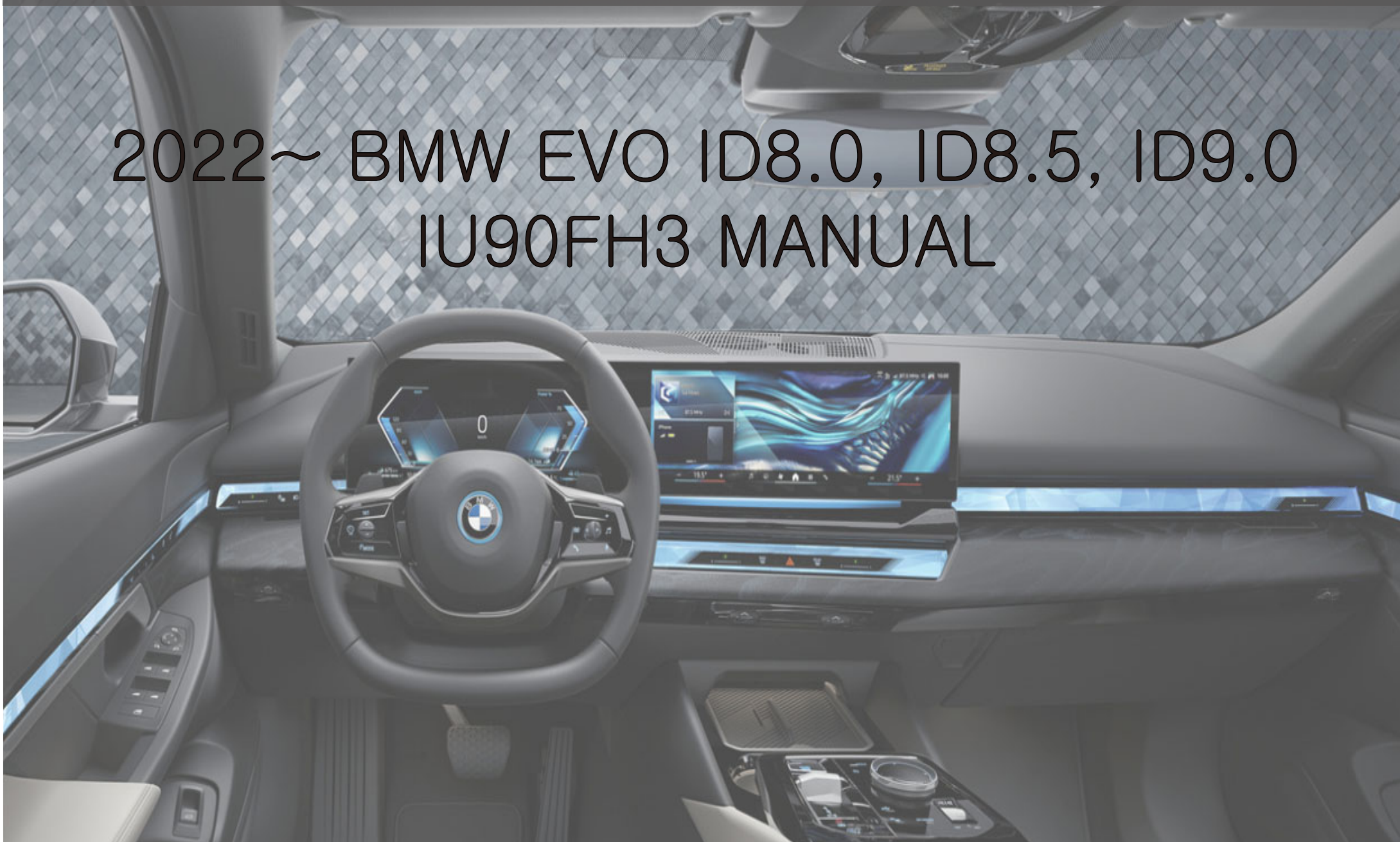


2022~ BMW EVO ID8.0, ID8.5, ID9.0 IU90FH3 MANUAL

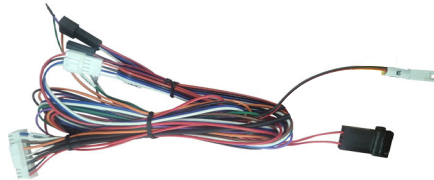


COMPONENTS

1 MAIN UNIT



2 MAIN CABLE(IU90FHU)



3 LVDS OUT CABLE (7시리즈)



4 LVDS IN CABLE(IU80FH_IN)



5 IR CABLE



6 REMOTE CONTROL



7 HDMI AUDIO CABLE



※ OPTION ※

8 PUSH SWITCH



※ OPTION ※

BMW IU90FH3.

1. INPUT

- 1 x Digital RGB Input(LVDS IN)
- 1 x LVDS Input
- 1 x LVDS output
- 1 x HDMI(THE MODEL WHICH COMPATIBLE WITH HDMI)
- 3 x A/V Input(Option)

2. Output

- 1 x Audio L/R

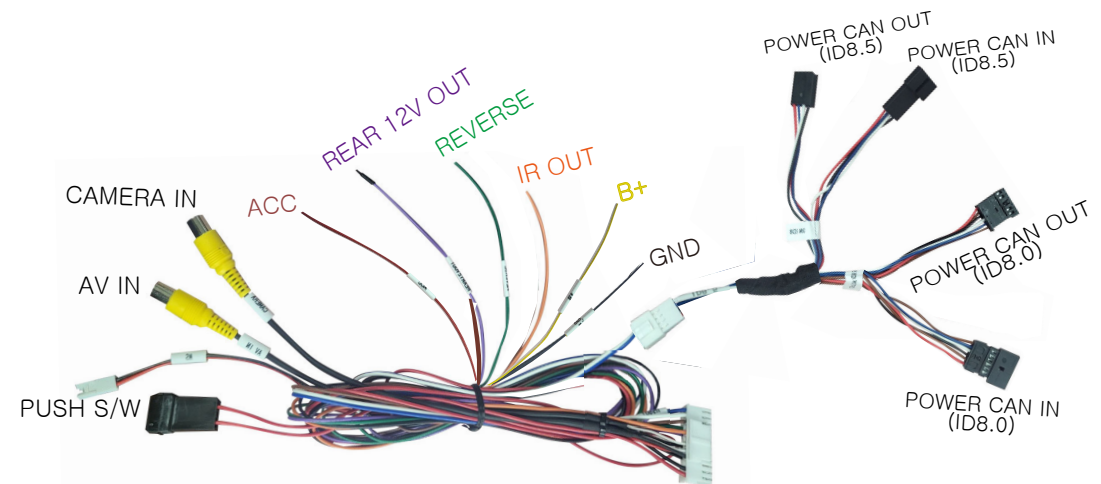
3. Power

- Input power : 8VDC ~ 18VDC
- Consumption : 6.5 Watt
- Ampere : 0.53A

4. Size

- 163*103*20mm(Width*Length*Height)

5. Power 24pin



DIP S/W

14.5 INCH

OFF

ON

2022~BMW ID8.0
3,4 SERIES 14.5"

OFF

ON

2025~ BMW ID8.5
2, 3 SERIES 14.5"

OFF

ON

2025~ BMW ID8.5
7, X7 SERIES 14.5"

OFF

ON

2025~ BMW ID8.5
5,X5 SERIES 14.5"

10.9 INCH

OFF

ON

2025 BMW ID9.0
1,2SERIES X1 X2

※ Note

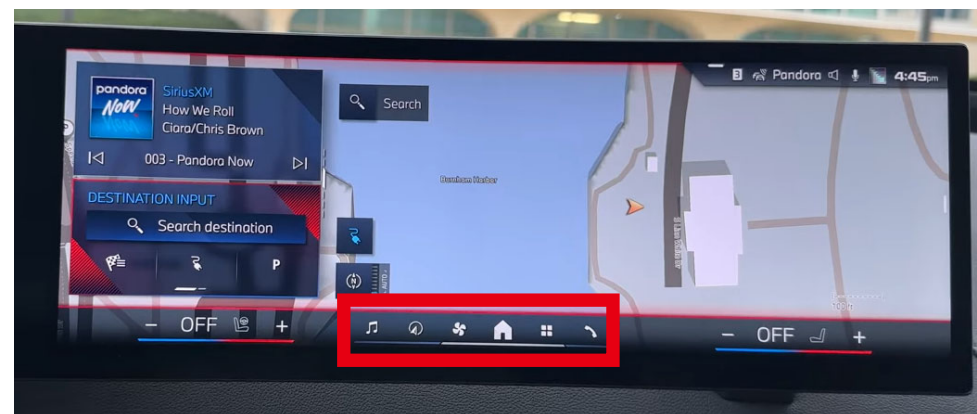
The four DIP switch settings for the 14.5-inch display below correspond to three different video configurations. Even for the same vehicle model, the correct setting may vary depending on the model year or factory specifications. Please select and install the configuration that matches your vehicle from the four available options.

If the screen remains black or the BMW logo does not disappear after turning the vehicle back on 10 minutes after the vehicle enters sleep mode, please try one of the other three 14.5-inch settings.

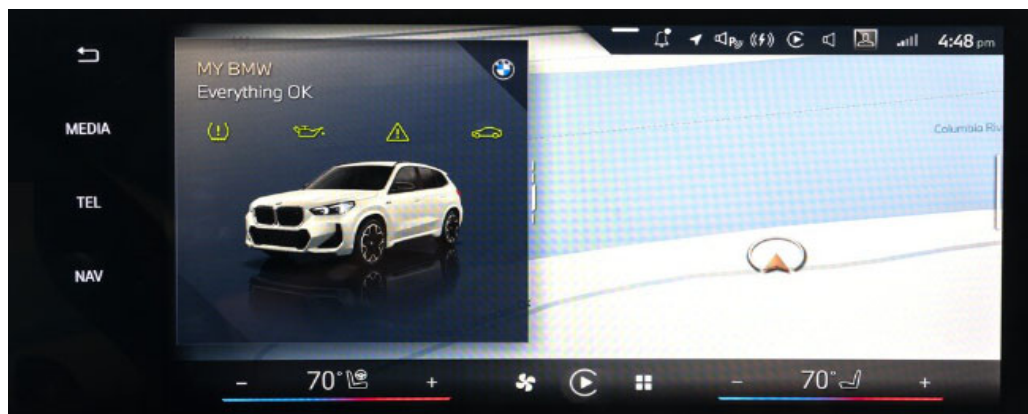
PIN	FUNCTION	DIP S/W SETTING
1	External Navigation	OFF
		ON
2	Vehicle Setting	
3	Vehicle Setting	
4	Rear Camera	OFF : OEM Camera
		ON : Aftermarket Camera
5	Vehicle Setting	
6	Vehicle Setting	
7	Vehicle Setting	
8	Vehicle Setting	



ID8.0



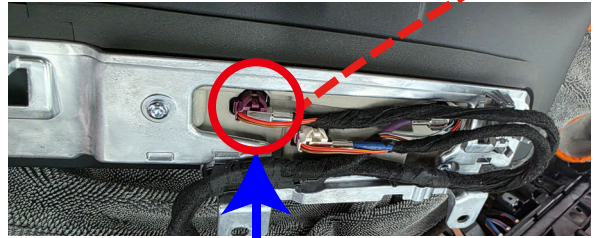
ID8.5



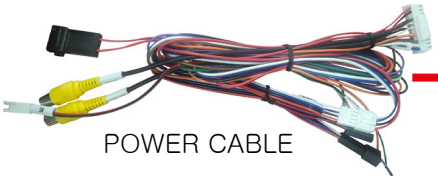
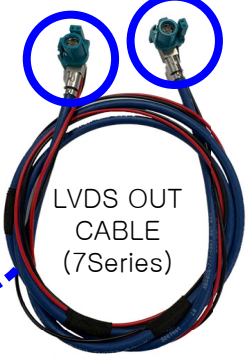
ID9.0 X1

CONNECTION – ID8.0 14.5 INCH 2, 3, 4 Series

ID8.0 Monitor

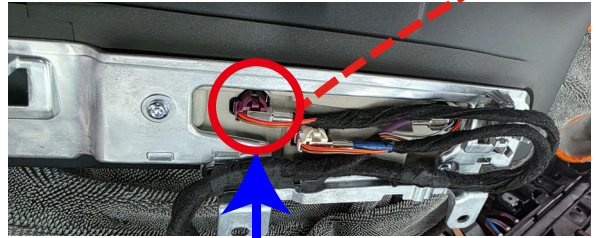
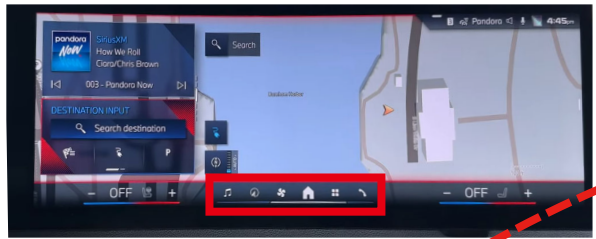


Back of the Monitor

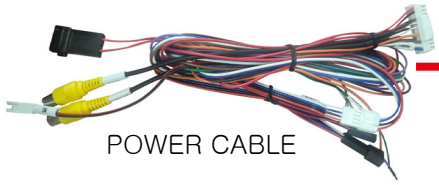
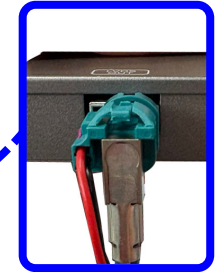


CONNECTION – ID8.5 14.5 INCH 2,3,4,5,7 X5, X7 Serie

ID8.5 Monitor

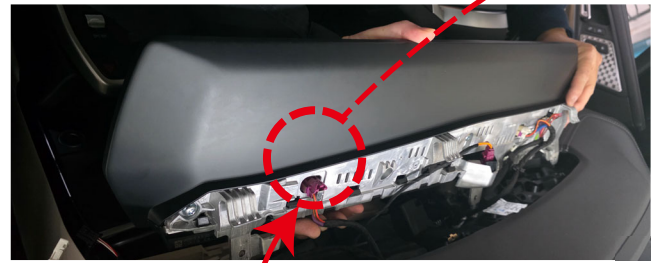
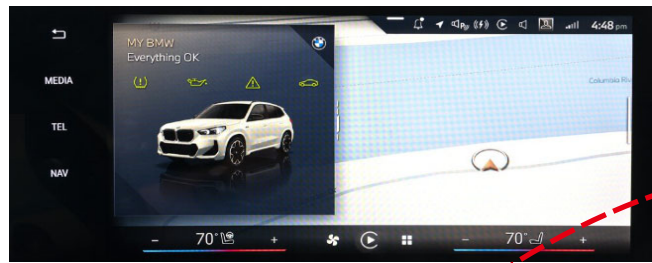


Back of the Monitor



ID9.0 10.9 INCH 1,2 Series, X1,X2 – Connection Diagram

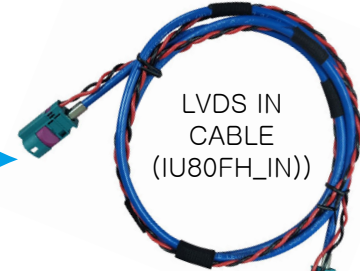
ID9.0 Monitor



Back of the Monitor



OEM CABLE



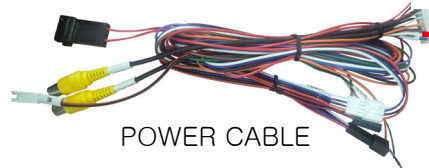
LVDS IN CABLE (IU80FH_IN))



LVDS OUT CABLE (7Series)



IU90FH3
BMW EVO-108.0 EVO-108.5 EVO-109.0
MADE IN KOREA

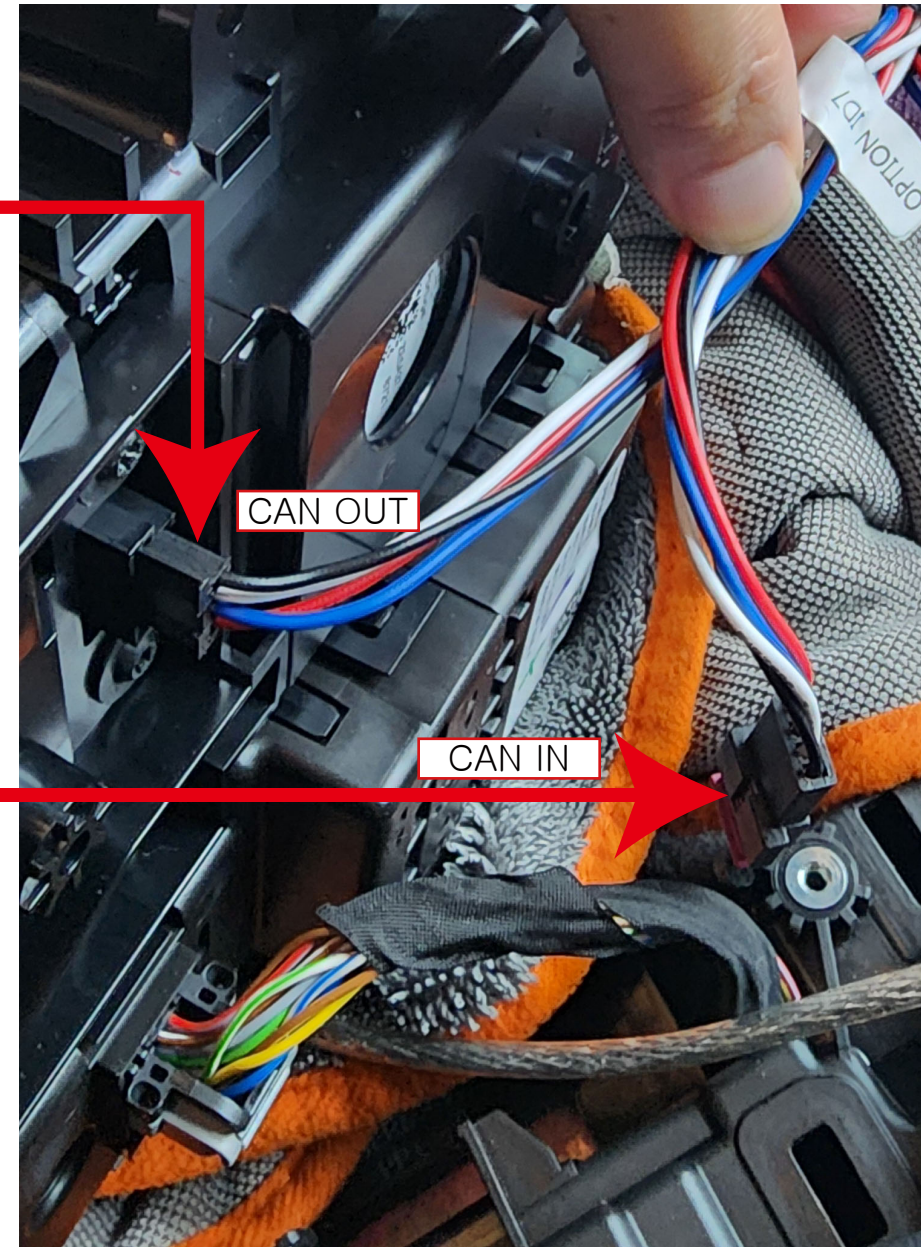
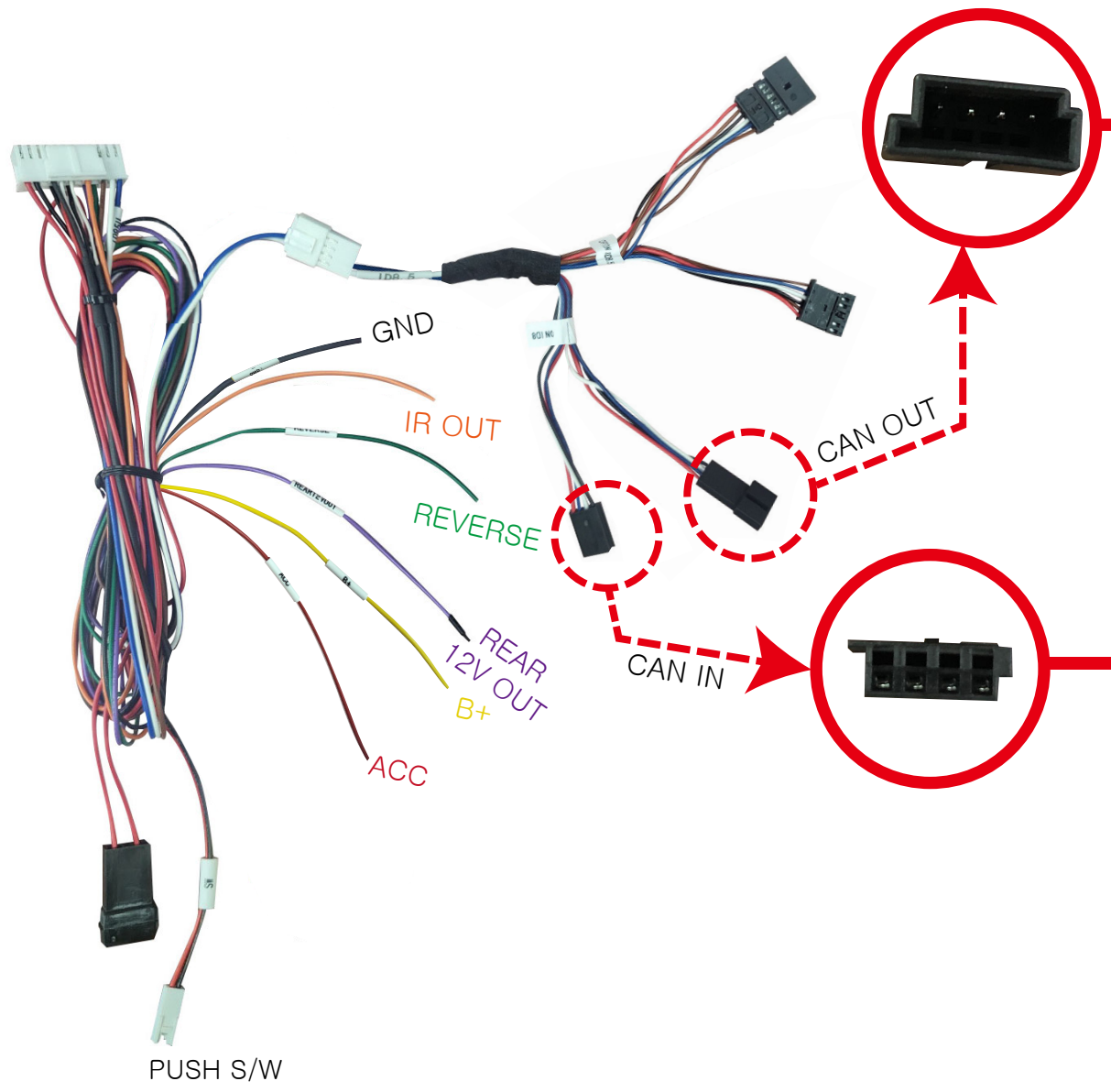


POWER CABLE

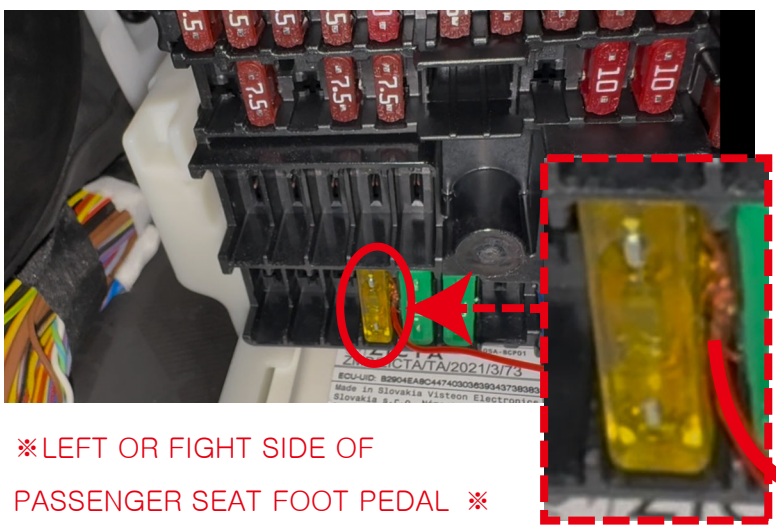
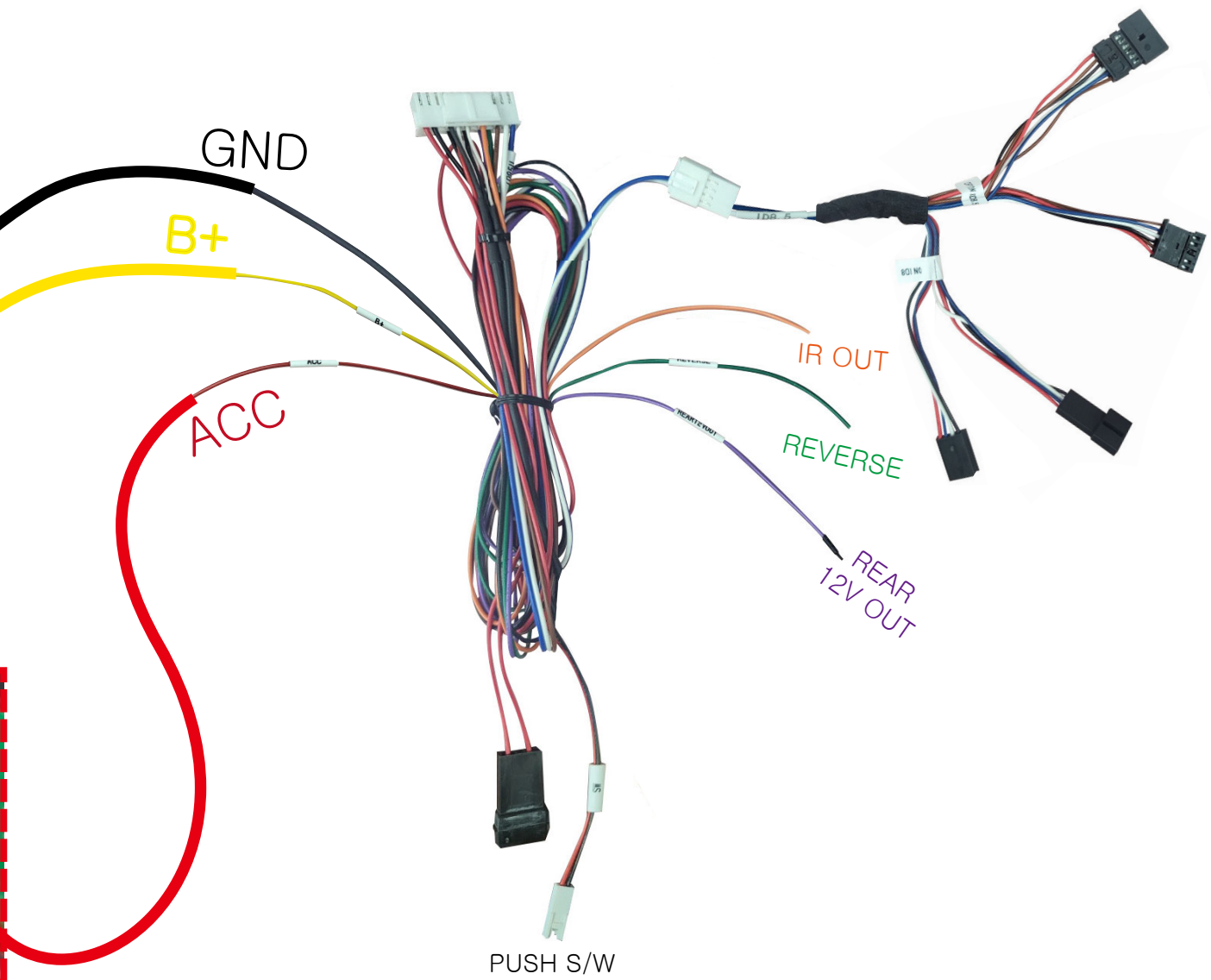
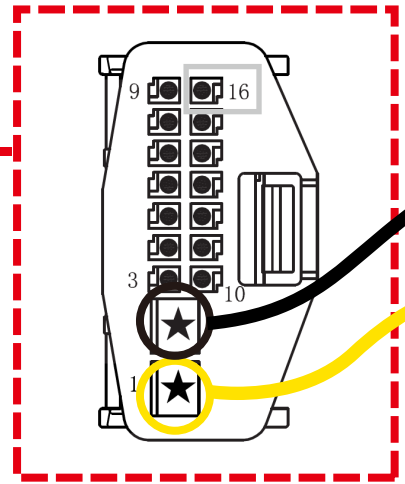
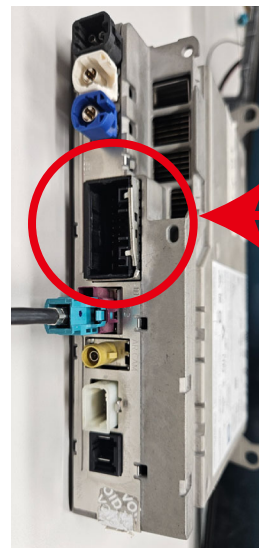


HDMI AUDIO CABLE

ID8.0 - CAN INSTALLATION

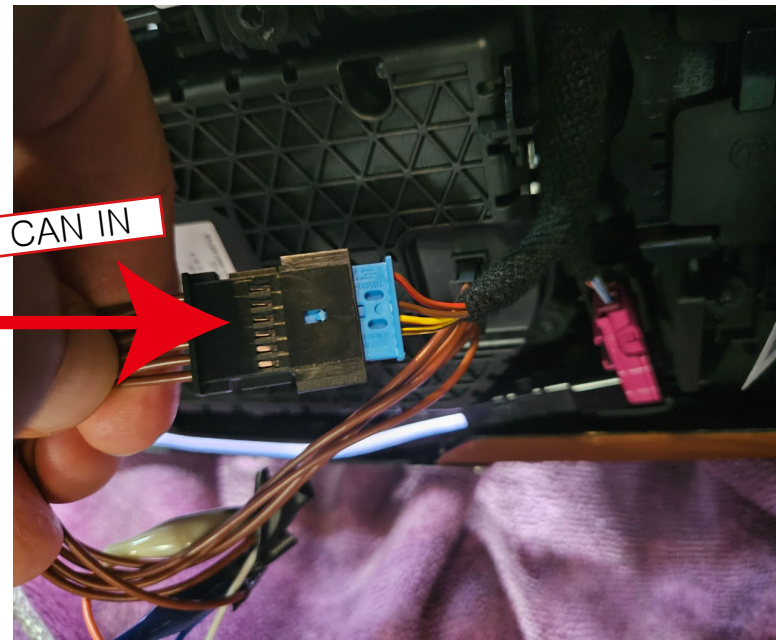
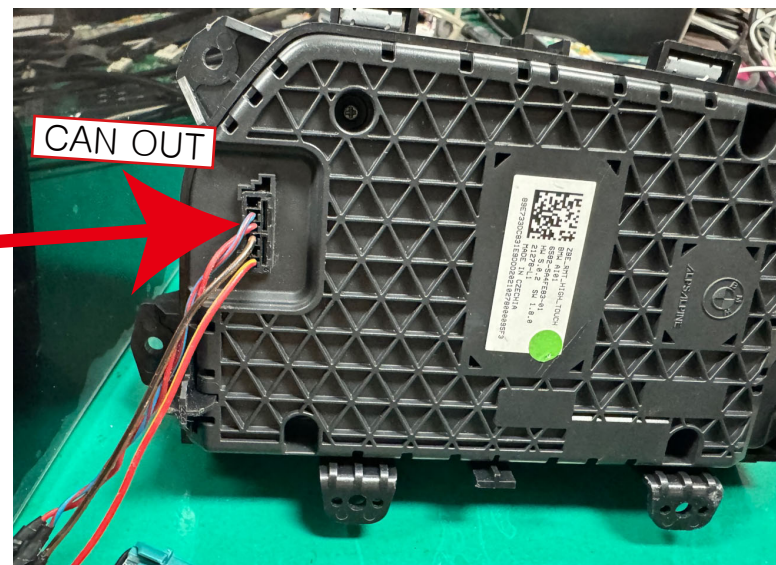
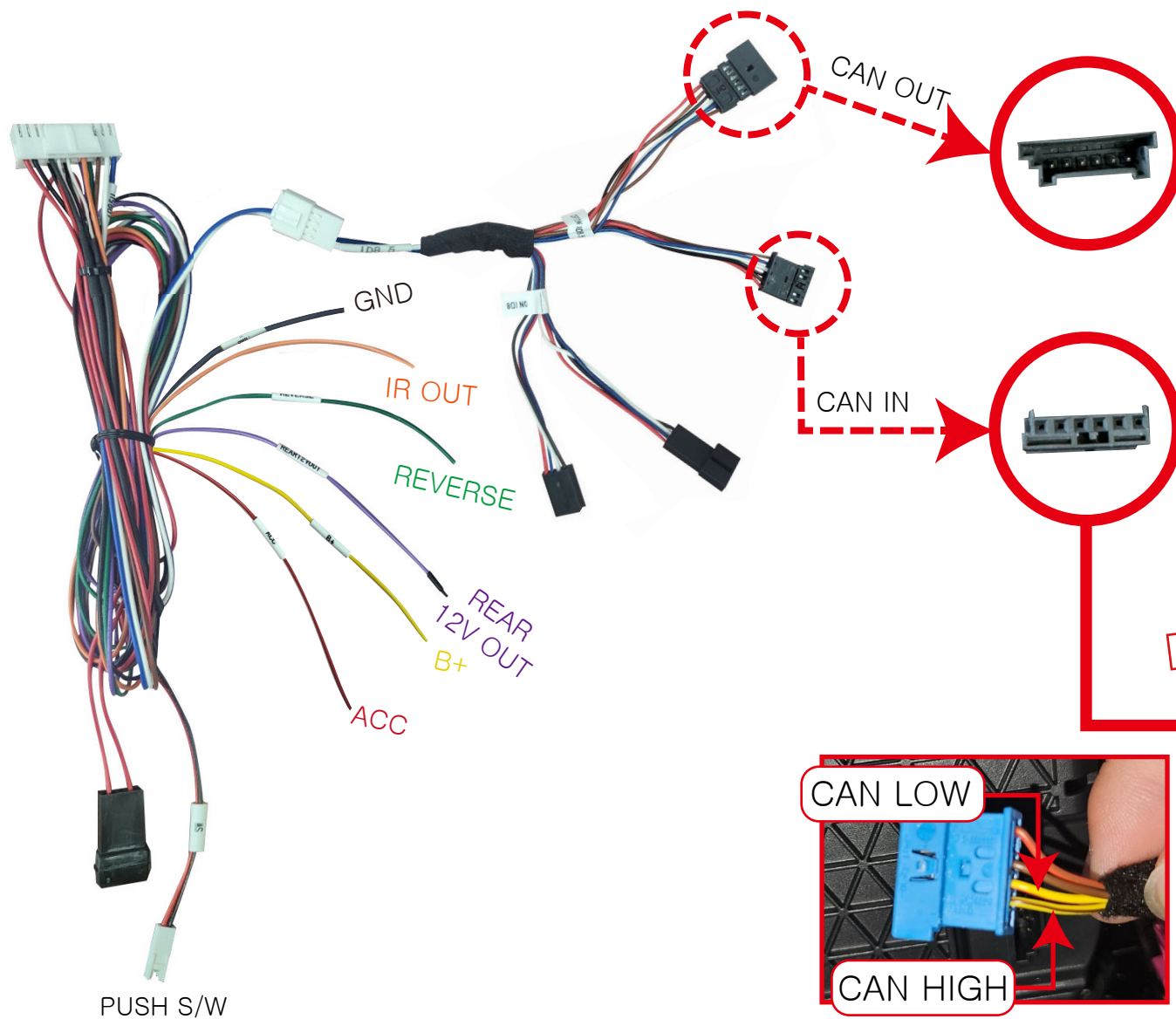


ID8.0 – INSTALLATION – POWER

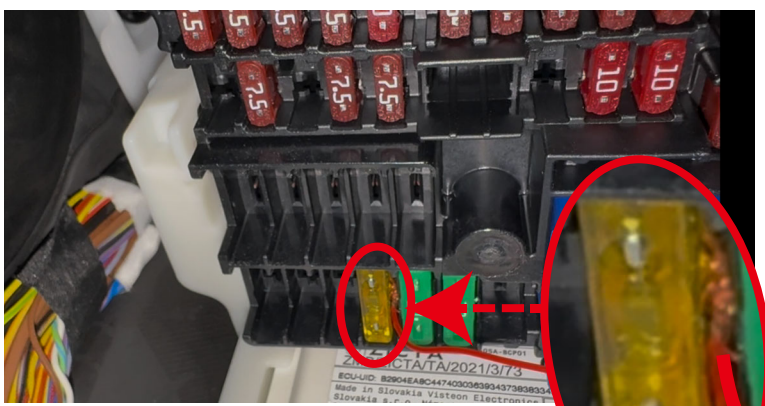
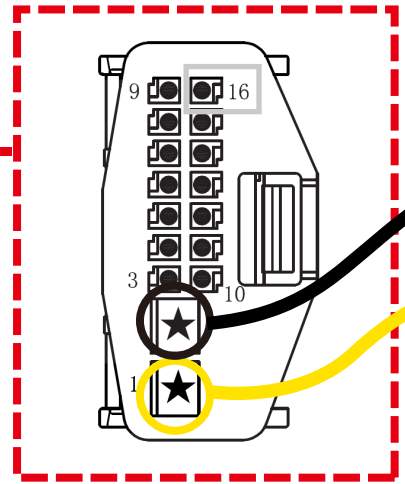


※ LEFT OR RIGHT SIDE OF PASSENGER SEAT FOOT PEDAL ※

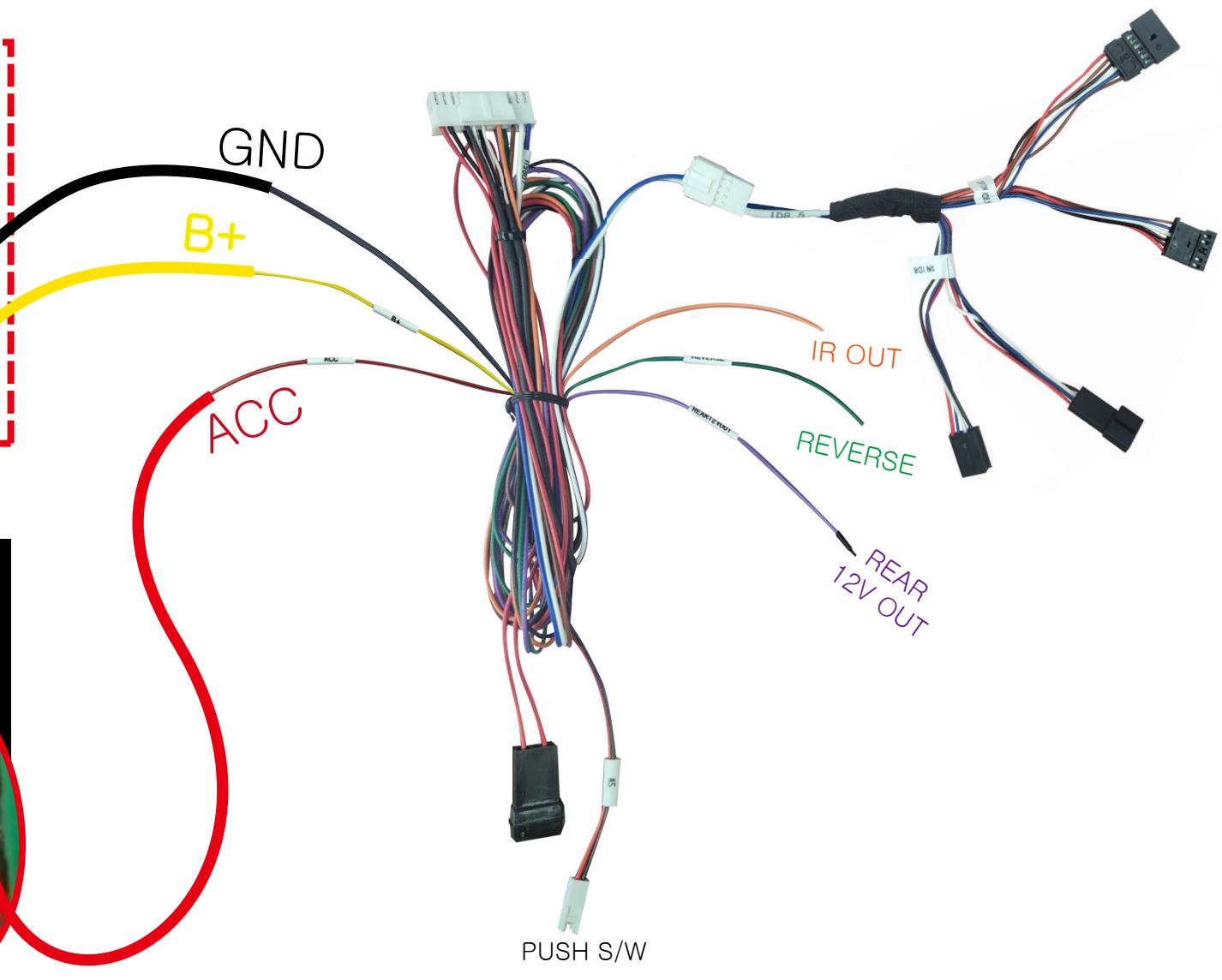
ID8.5 CAN INSTALLATION



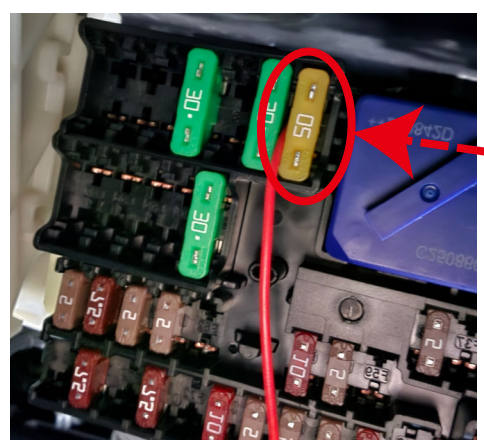
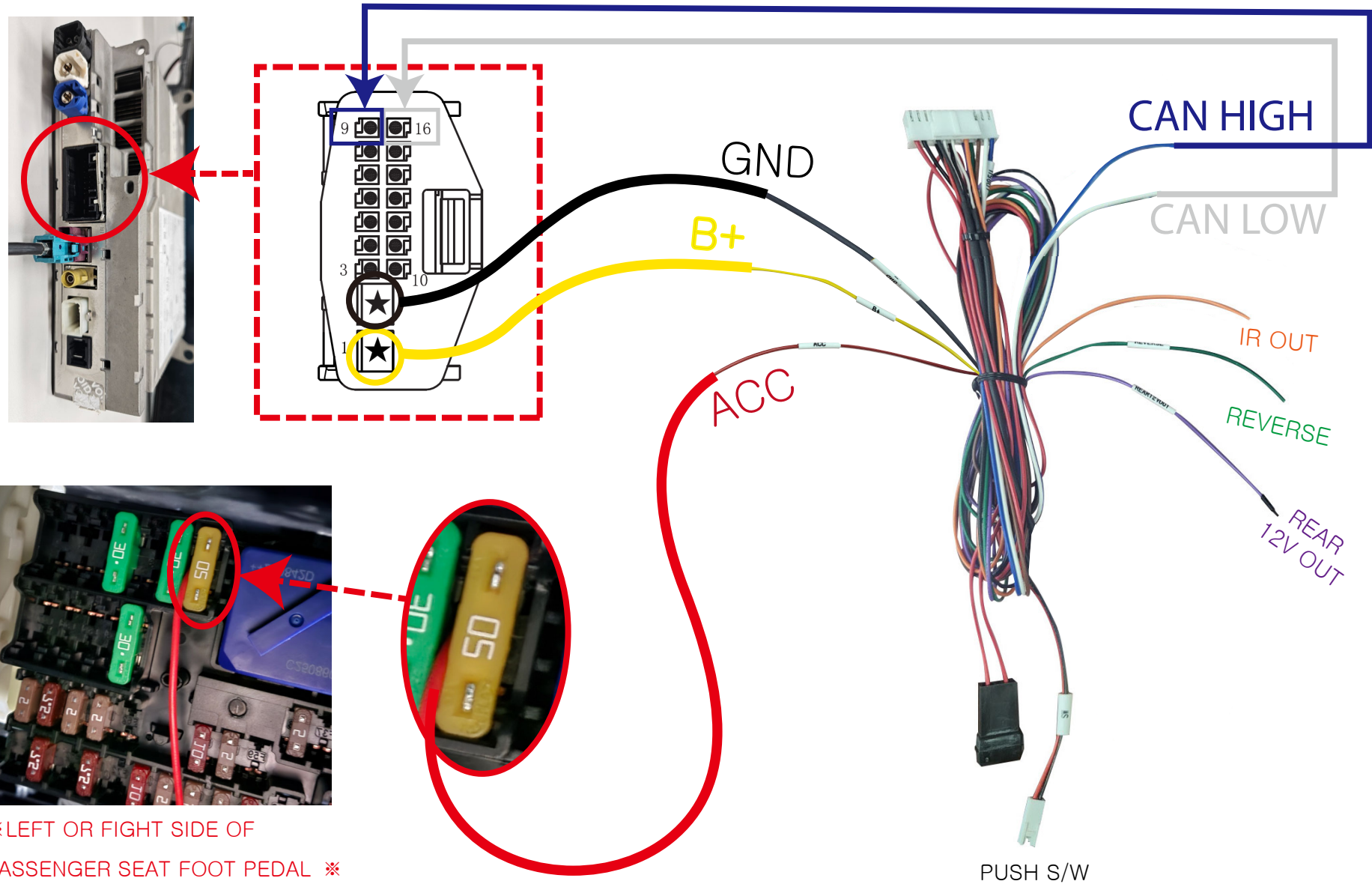
ID8.5 – INSTALLATION – POWER



※ LEFT OR RIGHT SIDE OF PASSENGER SEAT FOOT PEDAL ※

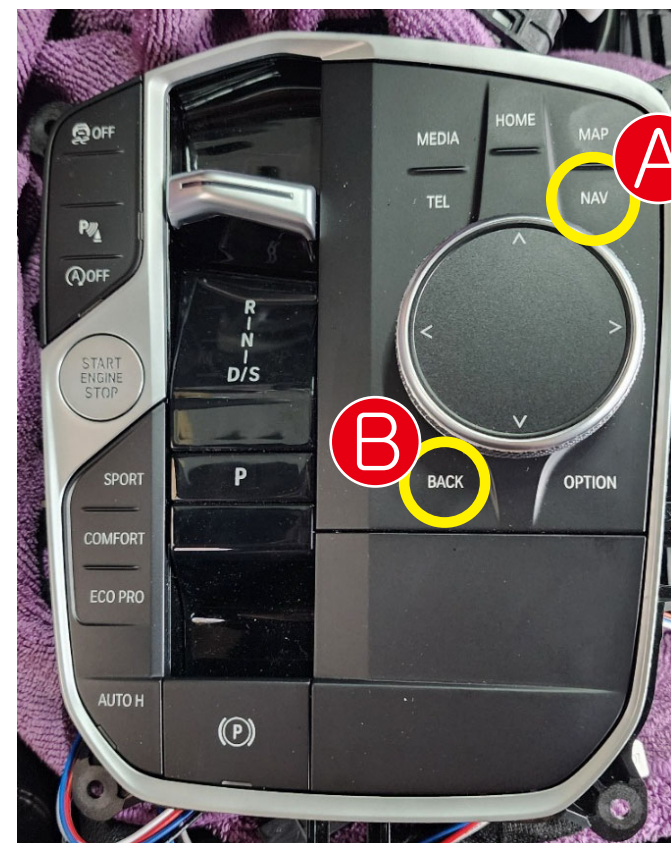


ID9.0 – CAN & POWER INSTALLATION



※ LEFT OR RIGHT SIDE OF PASSENGER SEAT FOOT PEDAL ※

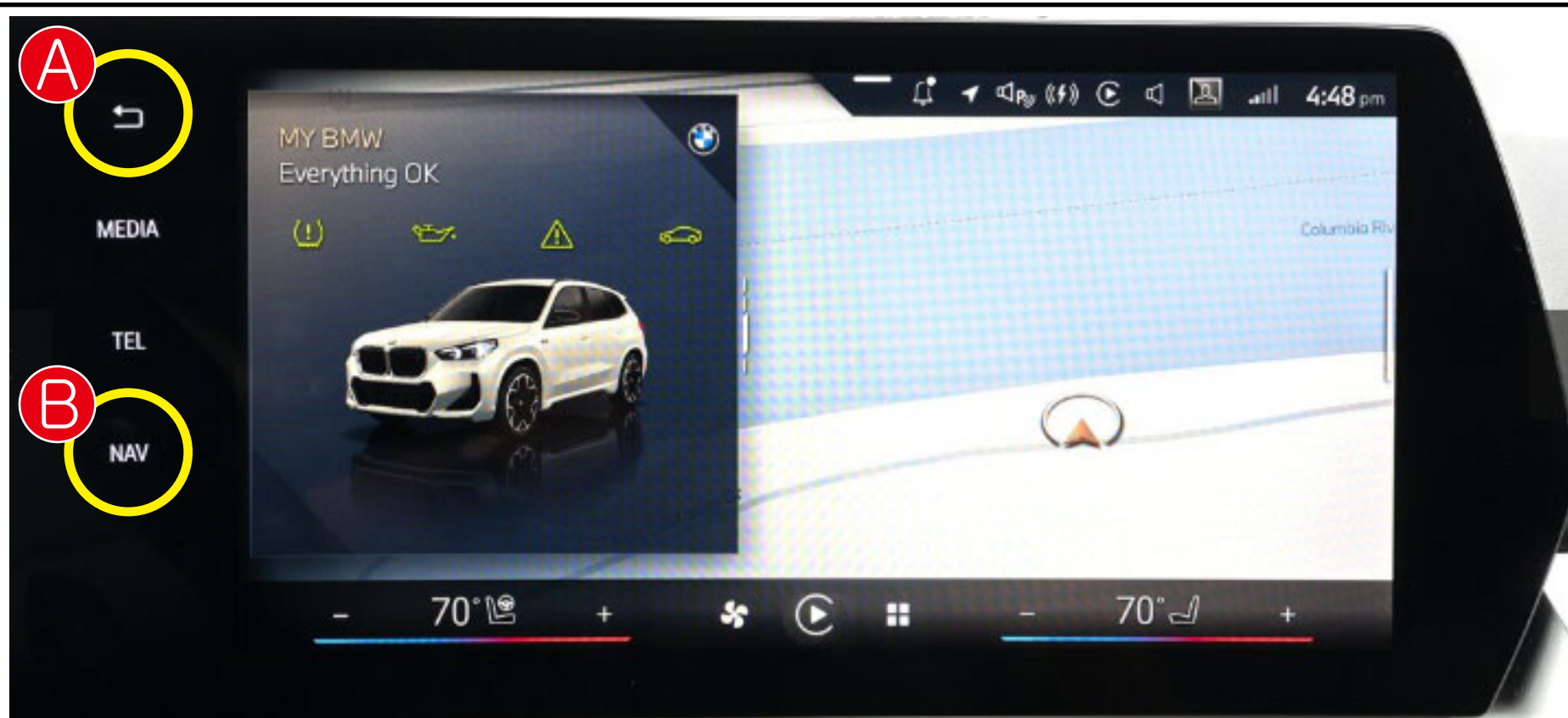
METHOD OF MODE SWITCH



- **A** NAV HOLD BUTTON 2S LONG FOR SWITCHING MODE
- **B** ↩ , **B** BACK HOLD BUTTON 7S LONG FOR ENTERING OSD SETTING MENU

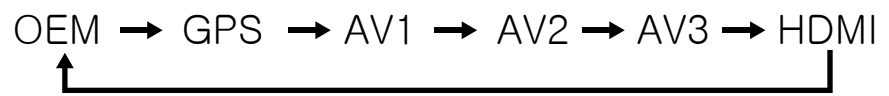
OEM → GPS → AV1 → AV2 → AV3 → HDMI

METHOD OF MODE SWITCH



- **A**  HOLD BUTTON 7S LONG FOR ENTERING OSD SETTING MENU.

- **B**  HOLD BUTTON 2S LONG FOR SWITCHING MODE.



METHOD OF MODE SWITCH



- **A** HOLD BUTTON 7S LONG FOR ENTERING OSD SETTING MENU
- TOUCH TOP BOTTOM LEFT RIGHT SURROUND OSD SETTING MEMU TO MOVE CURSOR TO SETTING

■ ID8.0, ID8.5, ID9.0 RESET FUNCTION

ID8.0




ID8.5



ID9.0 X1



– **A**  HOLD BUTTON
OVER 7S

– **B**  HOLD BUTTON
OVER 7S

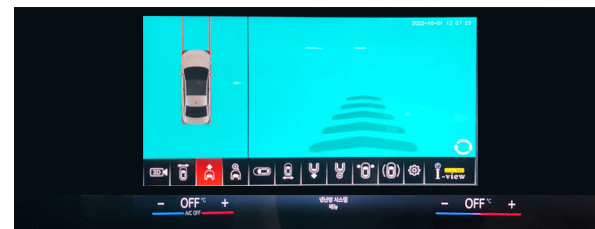
– **C**  BUTTON
RIGHT OVER 7S



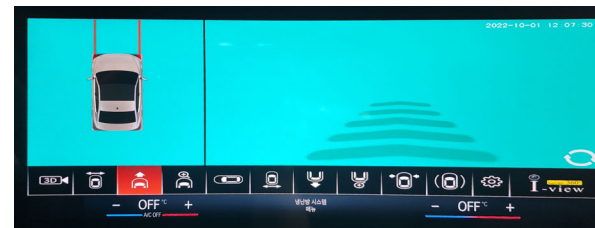
METHOD OF REAR MODE SWITCHING



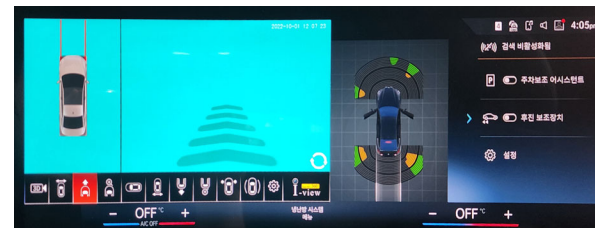
MODE1



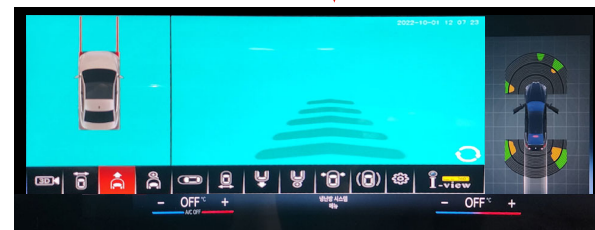
MODE2



MODE3



MODE4





[OSD MENU MANUAL]

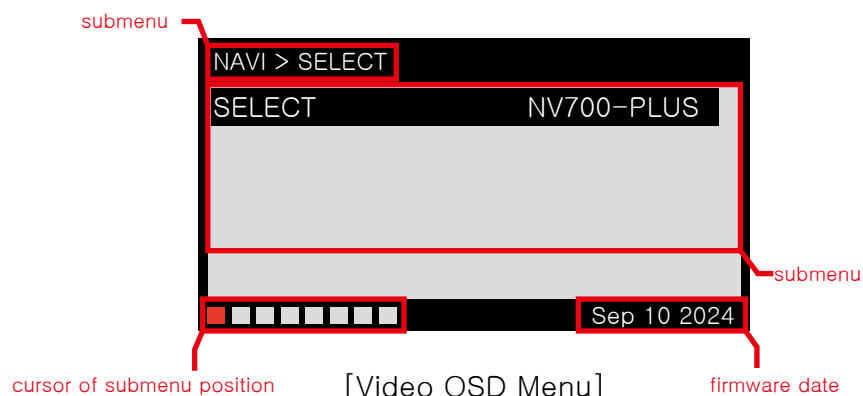
1. OSD MENU
2. Detailed features of [VIDEO OSD]

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.



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

[Video OSD Menu] The method how to enter to Video OSD Menu is press ¹ 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.

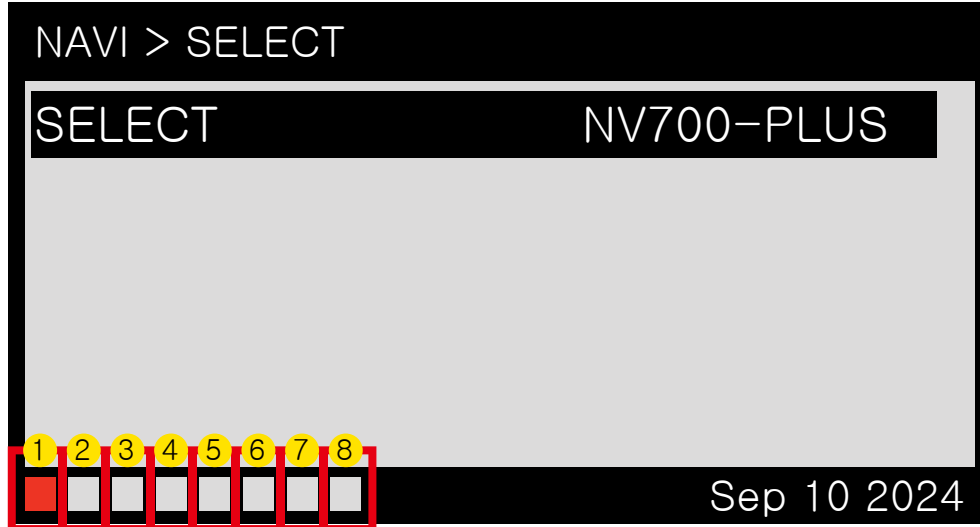
[Rear OSD Menu] The method how to enter to Rear OSD Menu is same as aboce method.

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



[INTERFACE R/C]

2. Detailed features of [Video OSD]

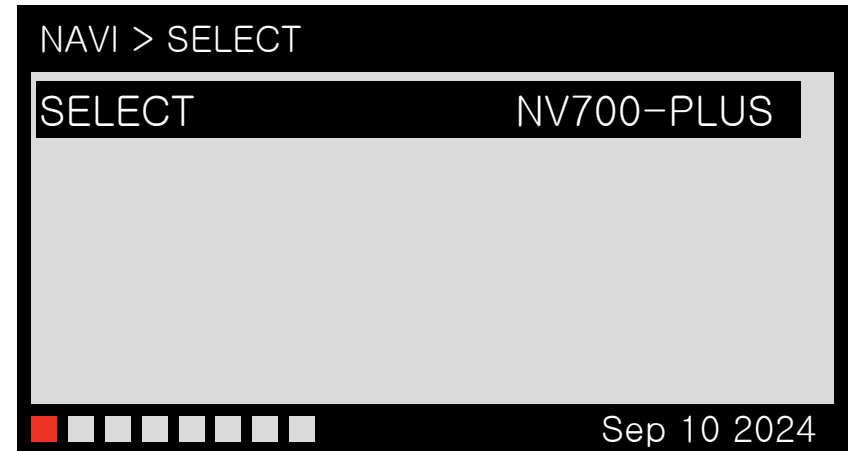


[NAVI SETTING]

- 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 proper navi model for analog rgb or digital rgb

HD-G2, CLASS-CSD for digital rgb devices like NETPLAY, ROIK, M2C

Rest models for analog rgb, normal select MST3000.

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



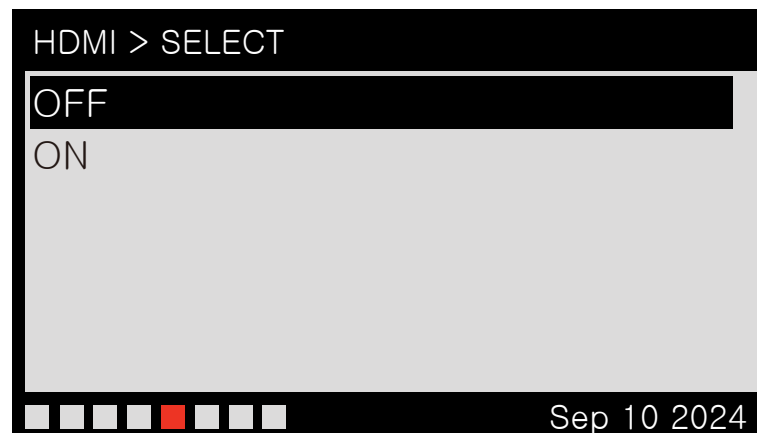
AV2



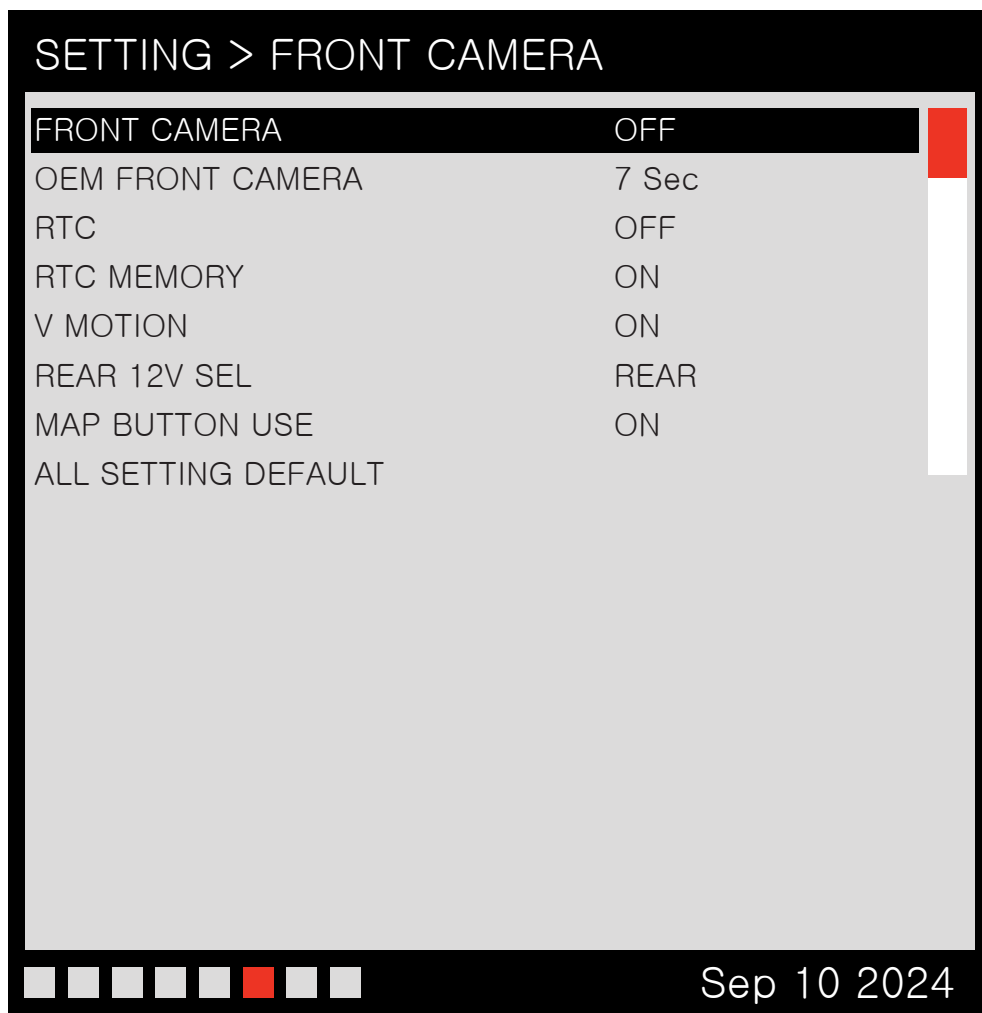
AV3



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



2-4. SETTING



[OTHER SETTING]

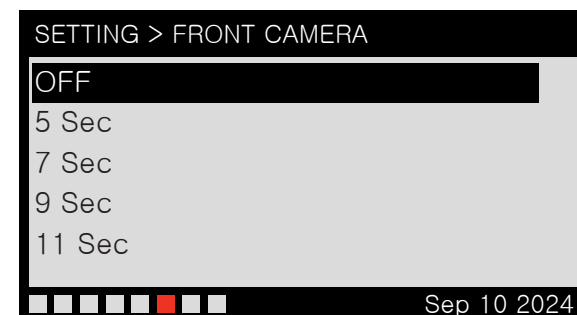
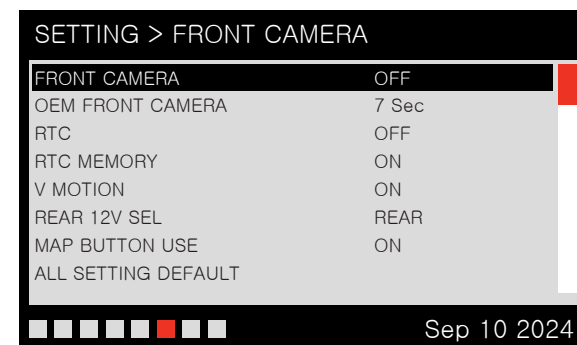
2-4. SETTING

2-4(1). FRONT CAMERA

THE FUNCTION IS NOT COMPATIBLE WITH ALL OF OUR INTERFACES.

THIS SETTING FUNCTION USES FOR FRONT CAMERA.

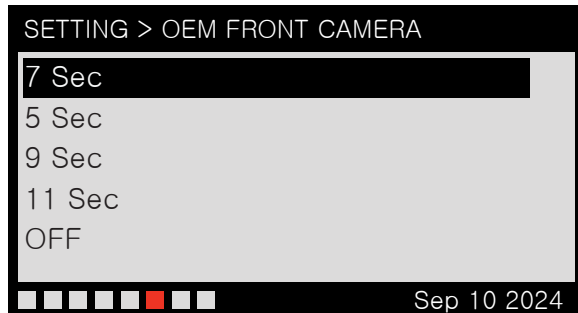
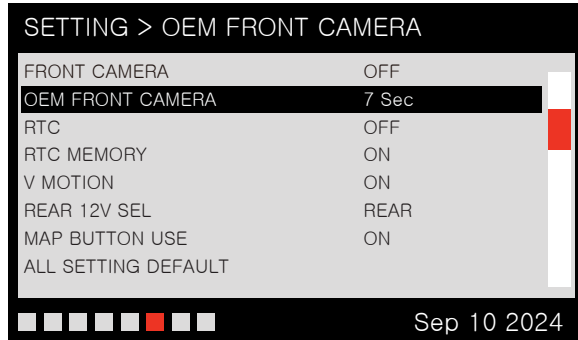
IT WILL DISPLAY REAR CAMERA INPUT WHEN PUT THE REVERSE GEAR. AND IT WILL DISPLAY FRONT CAMERA INPUT AUTOMATICALLY WHEN PUT BACK TO DRIVE OR PARKING GEAR 5-11S.



2-4. SETTING

2-4(2). OEM FRONT CAMERA

THE FUNCTION IS NOT COMPATIBLE WITH ALL OF OUR INTERFACES.

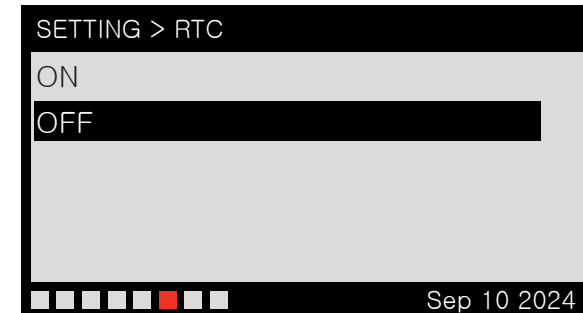
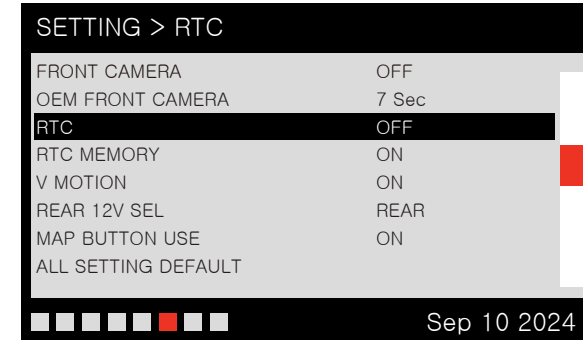


2-4. SETTING

2-4(3). RTC (NOT ALL PRODUCTS WITH THIS FUNCTION)

THE FUNCTION IS NOT COMPATIBLE WITH ALL OF OUR INTERFACES.

SWITCH MODE BETWEEN FACTRY REAR CAMERA AND AFTERMARKET REAR CAMERA WHEN SELECT REVERSE.



2-4. SETTING

2-4(4). RTC MEMORY

(NOT ALL PRODUCTS WITH THIS FUNCTION)

THE FUNCTION IS NOT COMPATIBLE WITH ALL OF OUR INTERFACES.

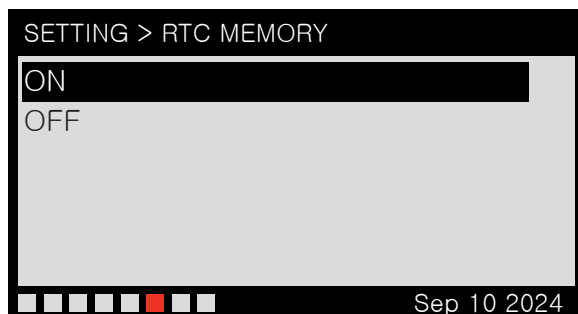
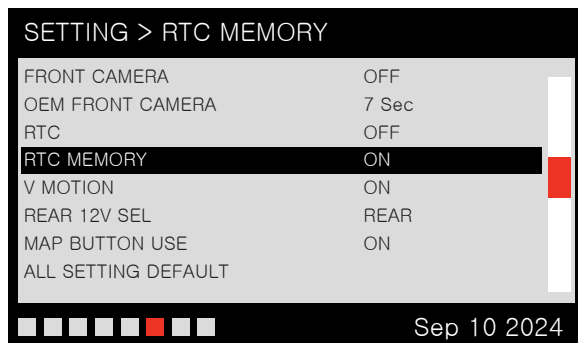
SELECT OFF WITH DIP SWITCH 4 OFF : ALWAYS DISPLAY FACTORY REAR CAMERA WHEN SELECT REVERSE.

SELECT OFF WITH DIP SWITCH 4 ON : ALWAYS DISPLAY AFTERMARKET REAR CAMERA WHEN SELECT REVERSE.

SELECT ON : NO MATTER YOU SET DIP SWITCH 4 ON OR OFF, IT WILL ALWAYS DISPLAY LAST MODE IN REVERSE.

IF THE LAST DISPLAY IN REVERSE WAS FACTORY REAR CAMERA, THEN IT WILL SHOW FACTORY REAR CAMERA EACH TIME YOU SELECT REVERSE.

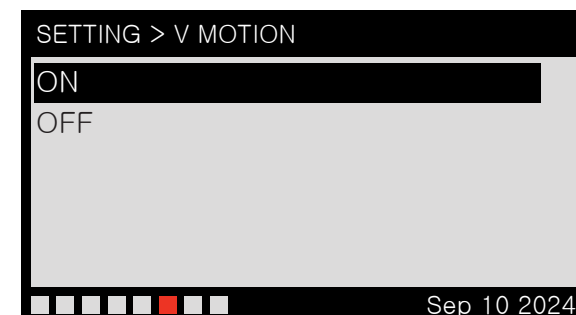
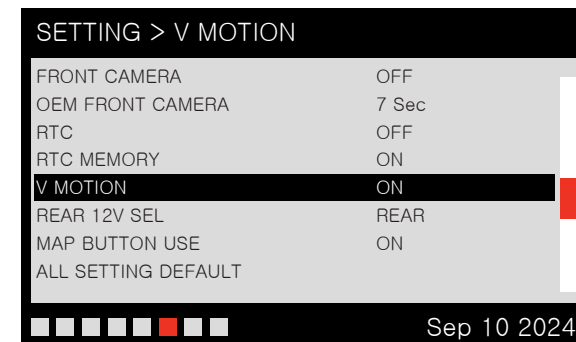
IF THE LAST DISPLAY IN REVERSE WAS AFTERMARKET REAR CAMERA, THEN IT WILL SHOW AFTERMARKET REAR CAMERA EACH TIME YOU SELECT REVERSE.



2-4. SETTING

2-4(5). V MOTION

THE FUNCTION IS NOT COMPATIBLE WITH ALL OF OUR INTERFACES.

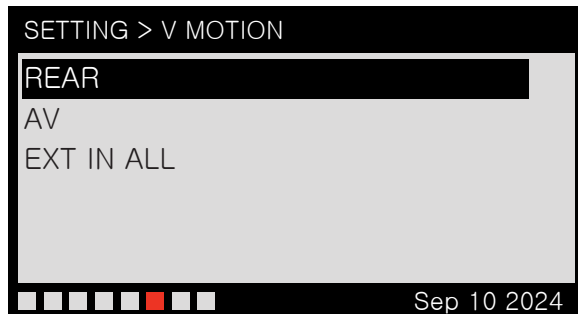
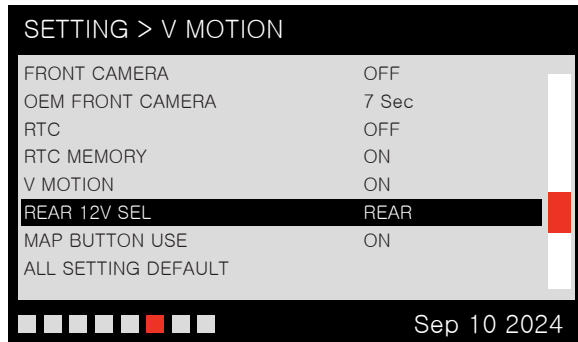


2-4. SETTING

2-4(6). REAR 12V SEL

THE FUNCTION IS NOT COMPATIBLE WITH ALL OF OUR INTERFACES.

SELECT WHAT TO DISPLAY WHEN CONNECTING REAR 12V



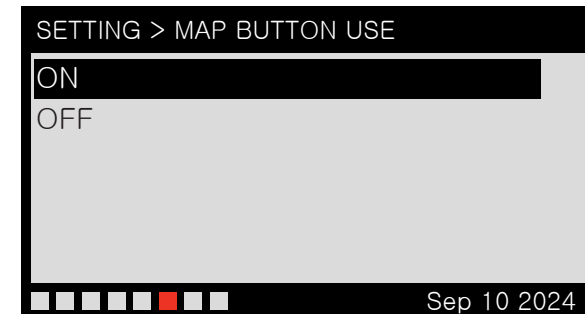
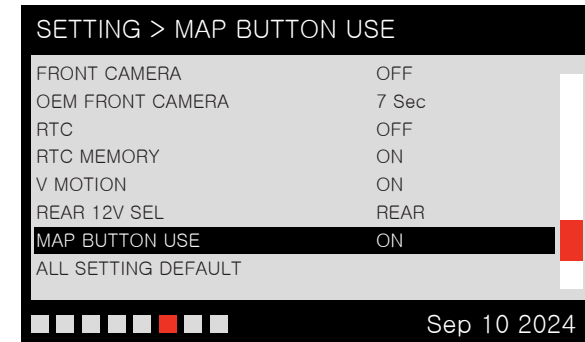
2-4. SETTING

2-4(7). MAP BUTTON USE (FROM BMW NBT)

THE FUNCTION IS NOT COMPATIBLE WITH ALL OF OUR INTERFACES.

ON : POSSIBLE TO SWITCH MODE BY PRESSING MAP BUTTON SHORTLY

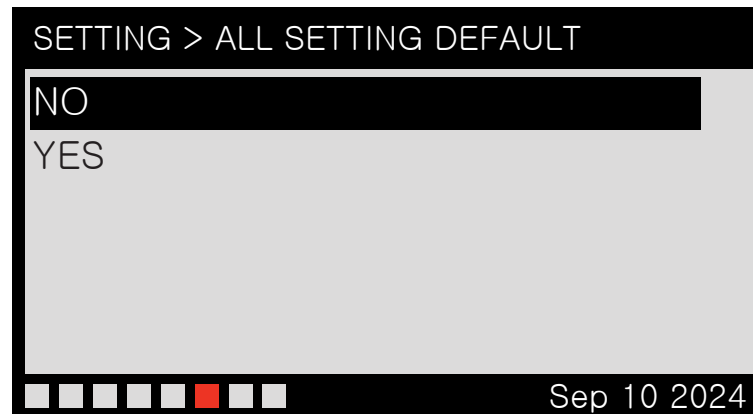
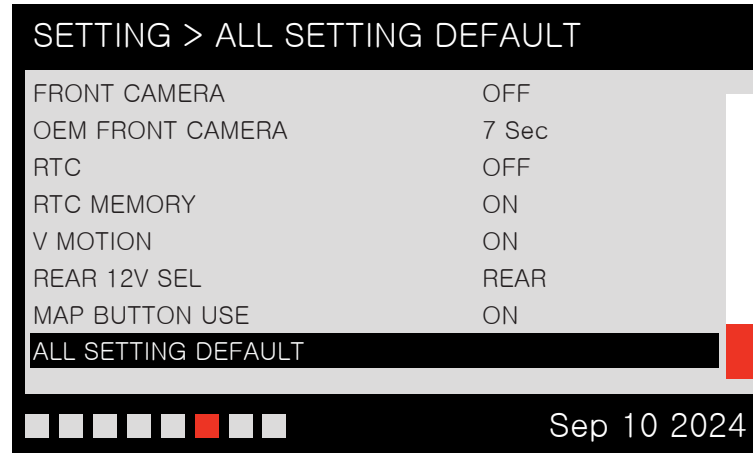
OFF : POSSIBLE TO SWITCH MODE BY PRESSING MAP BUTTON



2-4. SETTING

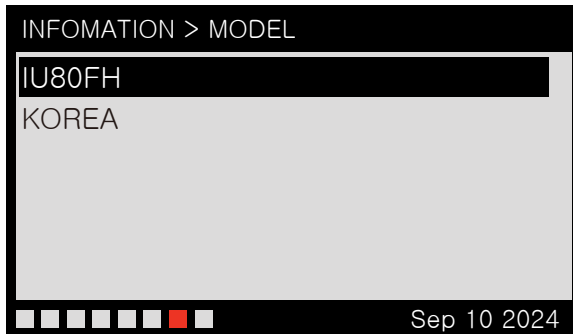
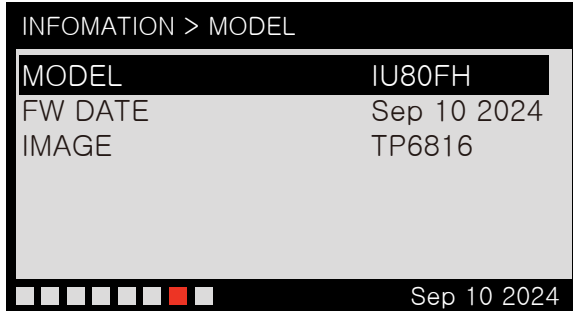
2-4(8). ALL SETTING DEFAULT

THE FUNCTION IS NOT COMPATIBLE WITH ALL OF OUR INTERFACES.

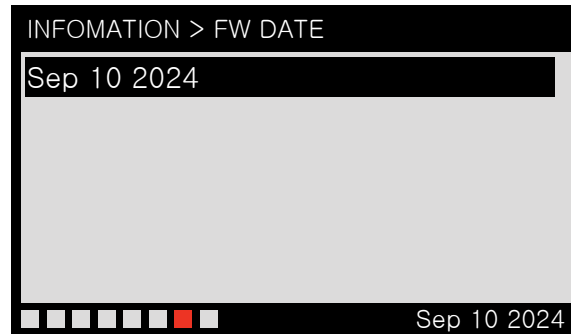
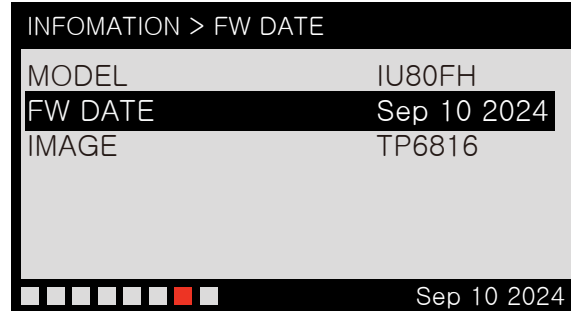


2-5. INFOMATION

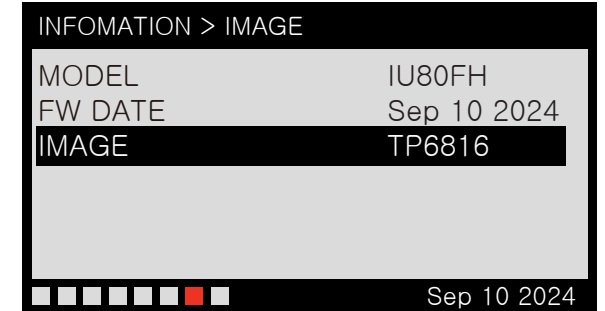
2-5(1). MODEL



2-5(2). FW DATE



2-5(3). IMAGE



2-6. SETTING

2-6(1). EXIT

FINISH THE OSD MENU OR NOT.

