

2016 PORSCHE PCM 3.1 MANUAL

1. PCM 3.1

2. PCM 3.1 H (HDMI)

■ Main unit of interface

1

The image shows a Porsche PCM 3.1 unit. It is a rectangular device with a dark grey faceplate. At the top, there are several buttons labeled 'ISP', 'AV', 'CONTROL', 'TOUCH', and 'HDMI'. In the center, there is a large rectangular display area with a black background and white text. The text reads 'NEW PCM 3.1' at the top, followed by 'PORSCHE FPG & PDC' in the middle, and 'MADE IN KOREA' at the bottom. At the bottom of the unit, there are more buttons labeled 'POWER CAN', 'VIDEO OUT', 'RGB IN', 'RGB OUT', 'U-TOUCH', and 'DIGITAL RGB'.

PORSCHE
[PCM 3.1]

2

The image shows a Porsche PCM 3.1H (HDMI) unit. It is a rectangular device with a dark grey faceplate. At the top, there are several buttons labeled 'ISP', 'AV', 'CONTROL', 'TOUCH', and 'HDMI'. In the center, there is a large rectangular display area with a black background and white text. The text reads 'NEW PCM 3.1H' at the top, followed by 'PORSCHE FPG & PDC' in the middle, and 'MADE IN KOREA' at the bottom. At the bottom of the unit, there are more buttons labeled 'POWER CAN', 'VIDEO OUT', 'RGB IN', 'RGB OUT', 'HDMI IN', 'U-TOUCH', and 'DIGITAL RGB'.

PORSCHE
[PCM 3.1 H(HDMI)]

Car Brand	Model	Year Range	System
PORSCHE	3.1 3.1H	2016	

■ Components

1 MAIN UNIT



2 MAIN CABLE



3 RGB CABLE



4 IR CABLE



5 MINI LVDS CABLE



6 REMOTE CONTROL



7 TOUCH CABLE



8 SERVE BOARD(R31FP)



9 4PIN FILM



10 FPC FILM(E31FP)



11 FPC FILM(PCM3.1-2)



12 AV IN/OUT CABLE



※ Purchase separately ※

13 AV GENDER CABLE



※ Purchase separately ※

14 AV GENDER BOARD



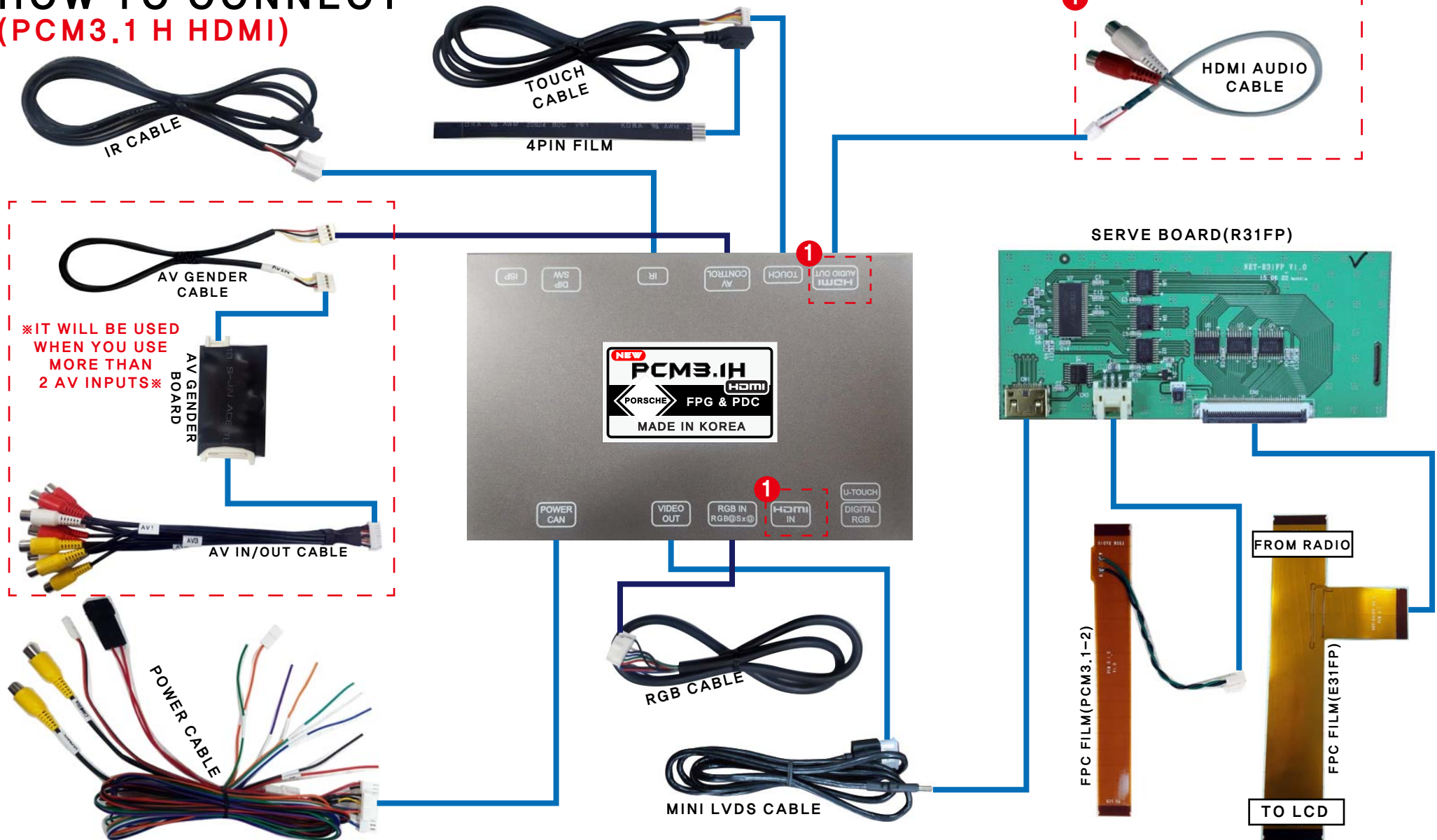
※ Purchase separately ※

15 HDMI AUDIO CABLE



※ Only use for HDMI module ※

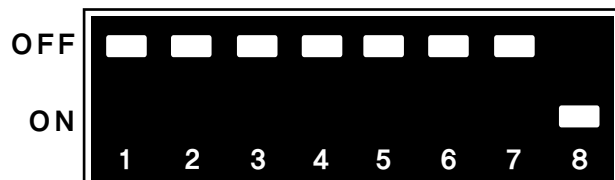
HOW TO CONNECT (PCM3.1 H HDMI)



※ 1 ONLY USE FOR HDMI MODULE ※

DIP S/W

OFF : ↑ (UP) / ON : ↓ (DOWN)



PIN	FUNCTION	DIP S/W SETTING
1	GPS INPUT MUTE	OFF : DO NOT USE GPS ON : USE GPS
2	Vehicle setting	
3	Vehicle setting	
4	Rear camera	OFF : OEM camera ON : Aftermarket camera
5	Vehicle setting	
6	Vehicle setting	
7	Resolution setting	OFF : Resolution 800 ON : Resolution 480
8	ON	

PCM 3.1 SPEC

1. INPUT SPEC

- 1 x Analog RGB Input(GPS system output)
- 1 x LVDS Input
- 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 SPEC

- 1 x CVBS
- 1 x Audio L/R
- 1 x LVDS output

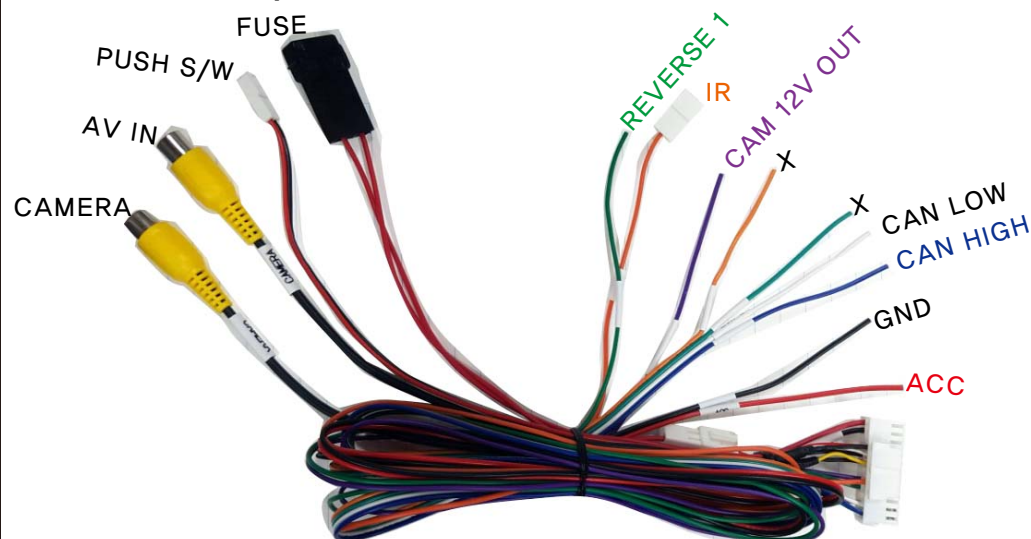
3. POWER SPEC

- Input power : 8VDC ~ 24VDC
- Consumption : 5WATT

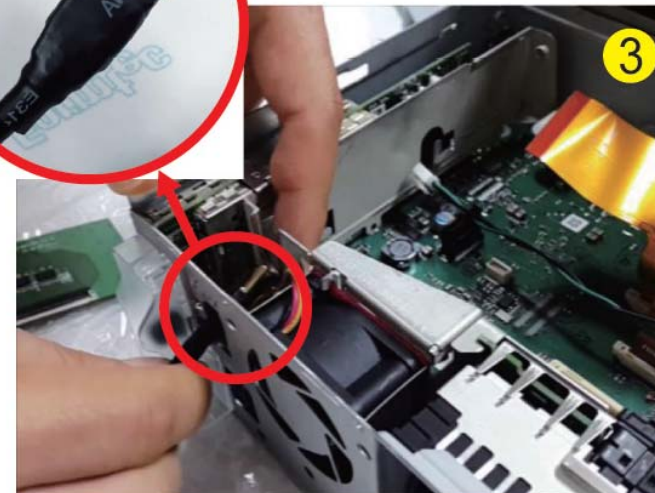
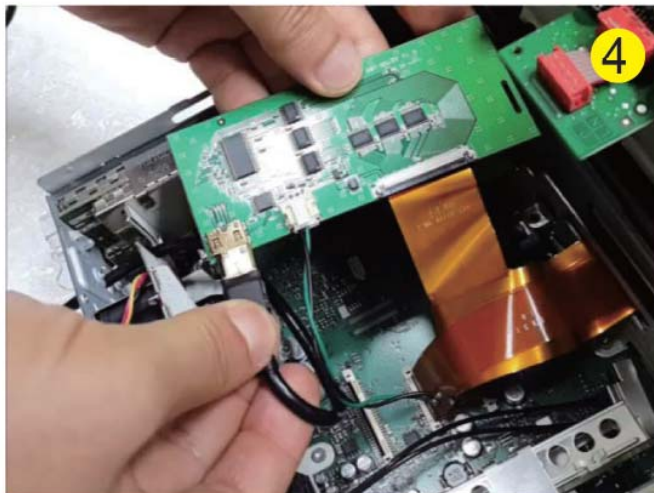
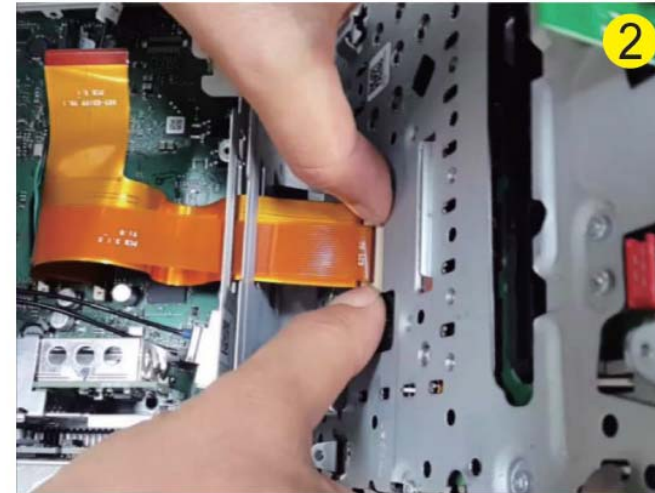
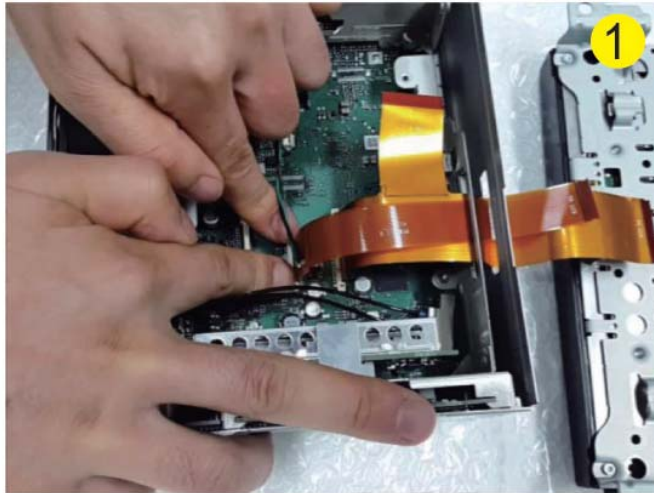
4. SIZE

- 154*98*20mm(Width*Length*Height)

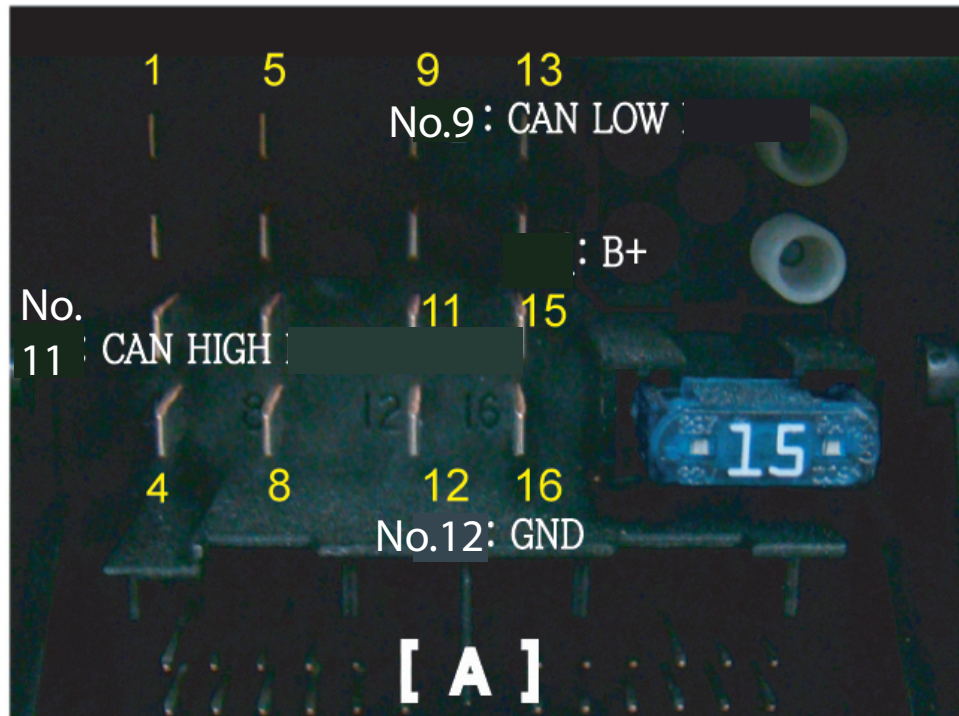
5. POWER 24pin



■ How to connect(1) 1 → 2 → 3 → 4



■ How to connect(2)

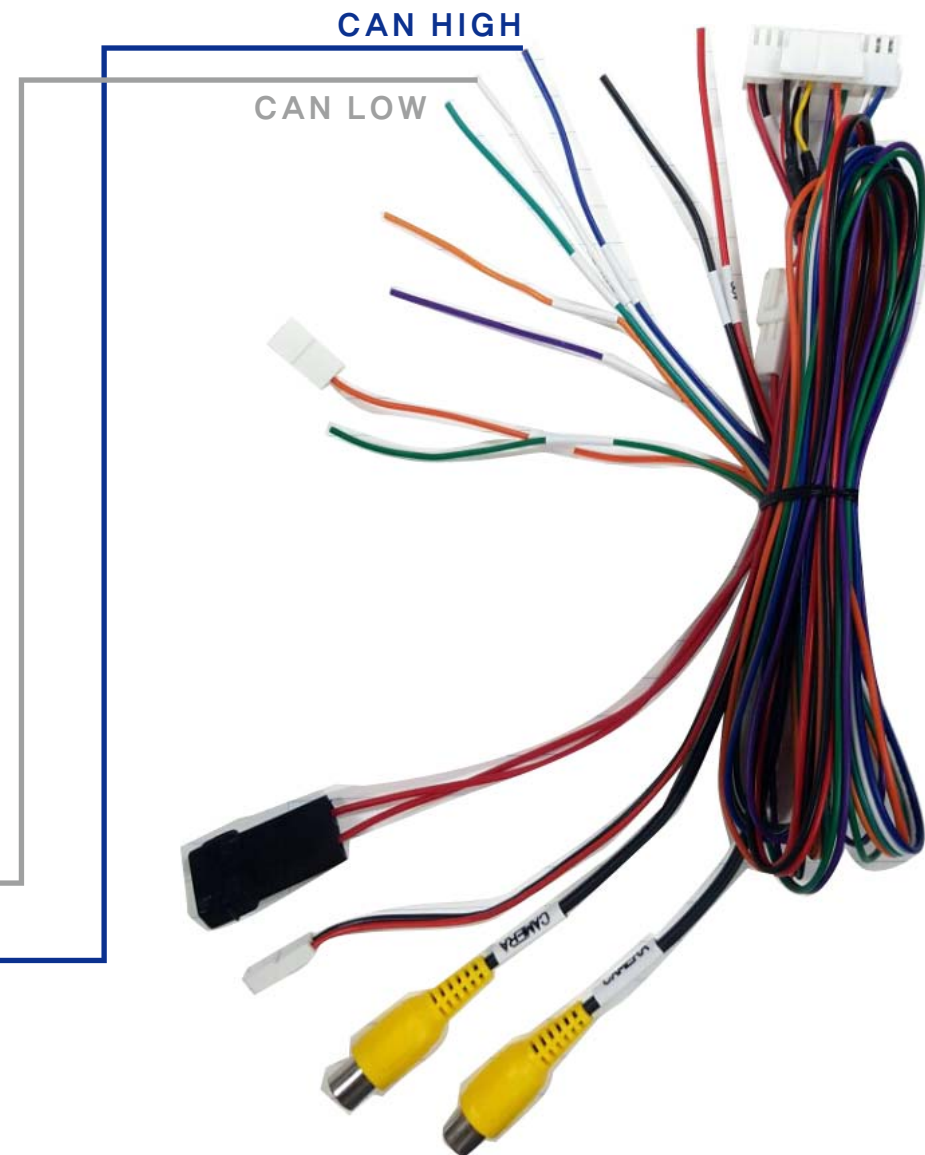


No.9 : CAN LOW

No.11: CAN HIGH

No.12: GND

No.15: B+



■ How to switch screen



1 Press NAVI for short will switch screen.

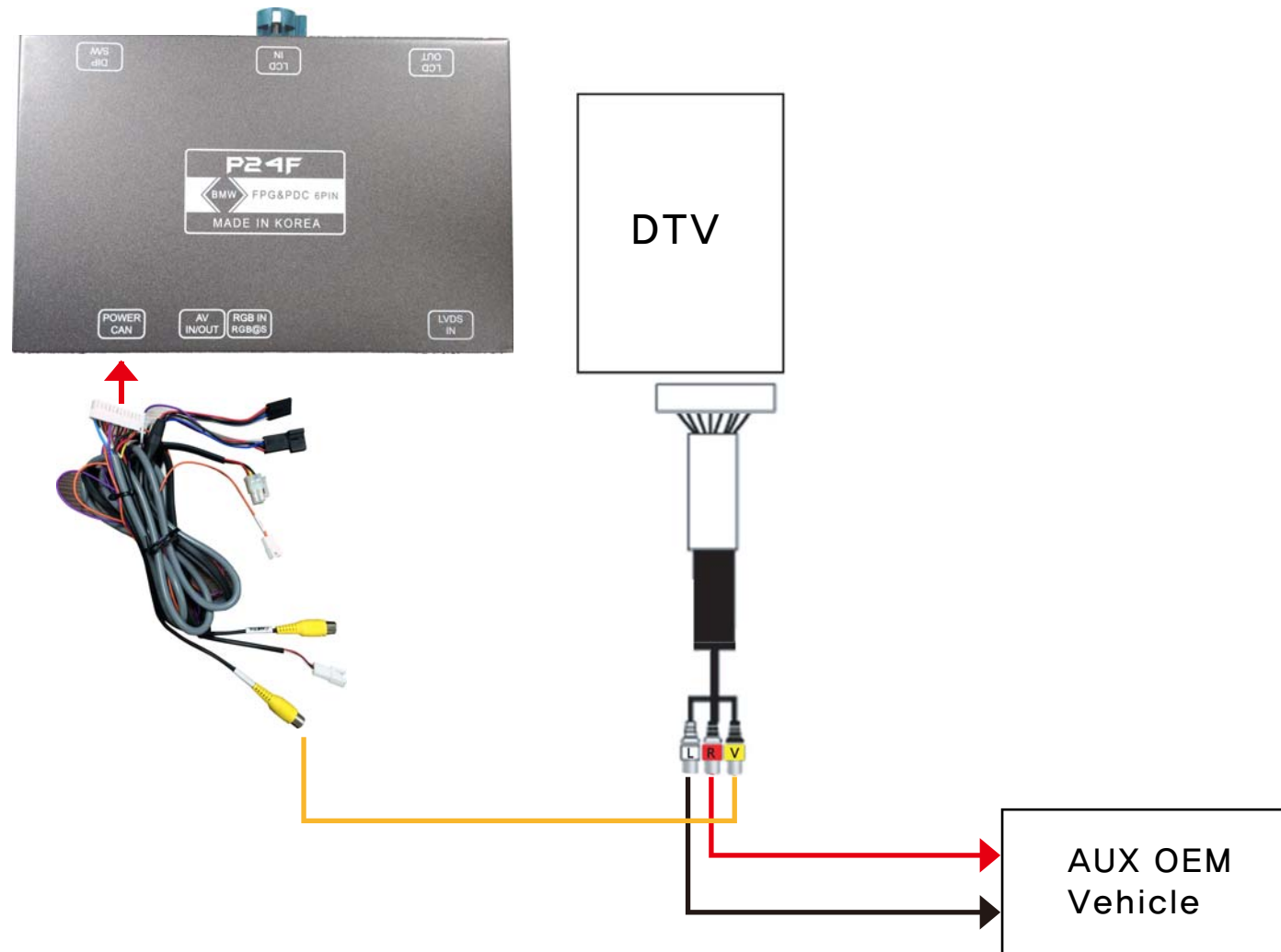
OEM → GPS → AV1 → AV2 → AV3 → HDMI



Screen will be switched sequentially.

※ You can UI touch control DTV,DVD,black box on AV1,AV2,AV3※

HOW TO CONNECT VIDEO AUDIO WHEN YOU ONLY USE ONE AV INPUT



The diagram illustrates the wiring for the P24F device. At the top, the device is shown with its various ports: AV IN, AV OUT, RGB IN, LVDS IN, and a power connector. Below the device, a detailed view of the AV IN/OUT gender connector is shown, with a bundle of AV cables connected to it. The diagram also shows the connection of the device to DTV, GPS, and DVD sources via AV IN/OUT gender connectors. The device is connected to AV1 and AV2 inputs, AV IN, AV OUT, AV4 INPUT, and AV3 INPUT. The diagram includes a detailed view of the AV IN/OUT gender connector and a bundle of AV cables.