

Peugeot & Citroen PSA12 APLUS



Navitech Automotive Systems Co., Ltd.

Founded in 1997, Navitech Automotive Systems Co., Ltd., is a company being operated based on solution relevant to automobile IT and multimedia.

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Specification

1. Input Spec. (Android 4.4 OS Integrated)

- 1 x HDMI Input (For DTV or Smartphone Mirroring Connection.) (Optional)
- 1 x R-Cam Input. (Rear View Camera)
- 1 x F-Cam Input. (Front Camera)
- 1 x LVDS Input. (Car OEM Video)
- 3 x AV Input (Optional)

2. Output Spec

- 1 x LCD Output (Car OEM Video)
- 1 x AV Output
- 2 x 500mah Power Output

3. Power Spec

- Input Power : 9vDC ~ 24vDC
- Consumption Power : 25Watt, Max

4. Activation

- By Source button on the setting wheel via CAN
- By Original Touch 2sec specific area via CAN

Components

PSA12 APLUS ECU



SMEG Connector (Plug & Play)
Including OEM AUX Line



Main Cable (30pin)



OSD Control Pad
(System Setting Pad)



CAN Control Unit



AV Extension Cable (Optional)



External Speaker (Optional)



GPS Antenna (G Mouse)



Multi I/O Cable (24pin)



LVDS Extension Sub-Board



LVDS Video Extension Cable



LVDS Video Connector



Options & Accessories

Size

Width

130 mm

Length

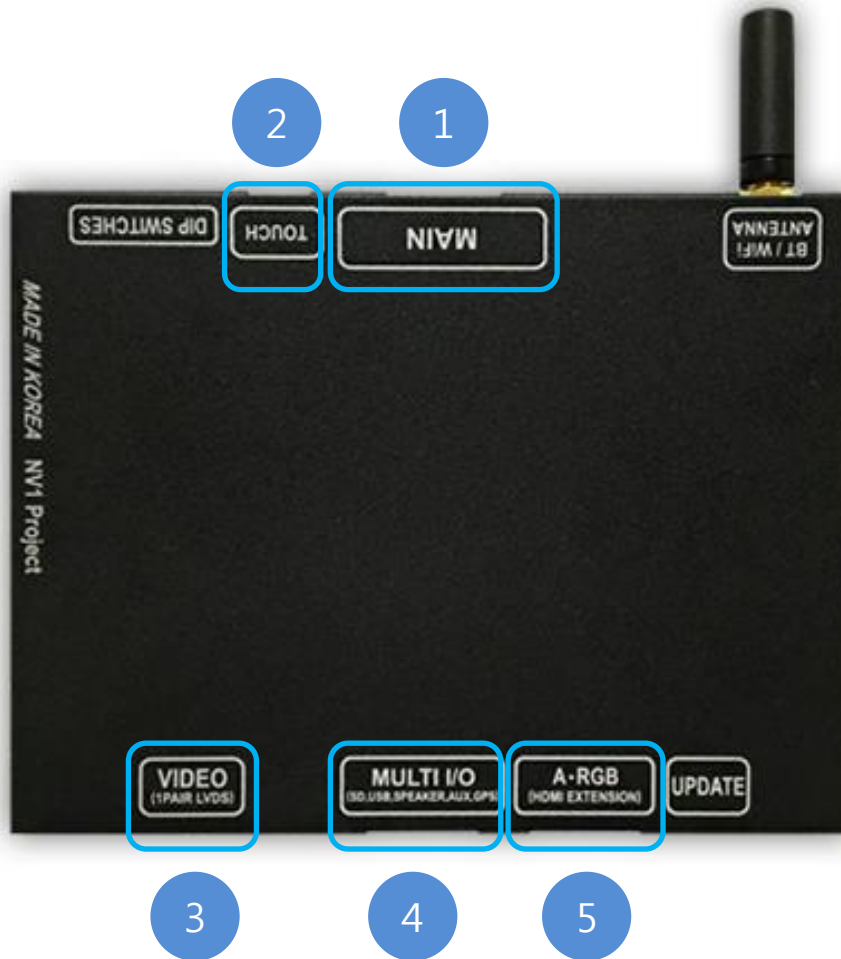
100 mm

Height

19 mm



Pin Map – (1)



1. Main 30 Pin Connector
2. Touch Input 12 Pin Connector
3. LVDS Video 7 Pin Connector
4. Multi IO 24 Pin Connector
5. Input Extension HDMI, RGB, AV 20 Pin Connector

Pin Map – (2)

1. Main 30 Pin Connector



1	3	5	7	9	11	13	15	17	19	21	23	25	27	29
2	4	6	8	10	12	14	16	18	20	22	24	26	28	30

1. A_CAN HIGH (BLACK / WHITE)
2. B_CAN HIGH (BROWN / RED)
3. A_CAN LOW (BLACK)
4. B_CAN LOW (BROWN)
5. 12V INPUT (RED)
6. NC
7. GND / EARTH (BLACK)
8. NC
9. NC
10. NC
11. NC
12. NC
13. IR_OUT (ORANGE)
14. NC
15. NC
16. NC
17. REAR CAMERA MANUAL TRIGGER (GREEN)
18. FAKE_ACC (ORANGE / BLACK)
19. FRONT CAMERA MANUAL TRIGGER (BLUE)
20. TOGGLE SWITCH (BLACK)
21. OSD SETTING PAD (WHITE)
22. GND / EARTH (BLACK)
23. FRONT_CAM (YELLOW)
24. REAR_CAM (YELLOW)
25. GND / EARTH (BLACK)
26. GND / EARTH (BLACK)
27. REAR CAMERA +12V POWER (RED)
28. REAR CAMERA -12V POWER (RED)
29. GND / EARTH (BLACK)
30. GND / EARTH (BLACK)

Pin Map – (3)

2. Touch Input 12 Pin Connector



1	3	5	7	9	11
Black	White	White	Yellow	Blue	X
2	4	6	8	10	12
Red	Black	Red	Green	Black	X

1. TSC_XP (BLACK)
2. TSC_XM (RED)
3. TSC_YP (WHITE)
4. TSC_YM (BLACK)
5. 12C_SCL (WHITE)
6. 12C_SDA (RED)
7. TOUCH_RST (YELLOW)
8. TOUCH_INT (GREEN)
9. VCC 3V (BLUE)
10. GND / EARTH (BLACK)
11. NC
12. NC

3. LVDS Video 7 Pin Connector



1	2	3	4	5	6	7
X	X	White	Green	Black	Black	Red

1. NC
2. NC
3. LVDS-OUT+ (WHITE)
4. LVDS-OUT- (GREEN)
5. GND (BLACK)
6. RELAY_SEL (BLACK)
7. VCC5/3 (RED)

Pin Map – (4)

4. Multi IO 24 Pin Connector



1	3	5	7	9	11	13	15	17	19	21	23
2	4	6	8	10	12	14	16	18	20	22	24

1. USB20_VBUS (RED)
2. USB20_DM (GRAY)
3. USB20_DP (WHITE)
4. GND / EARTH (BLACK)
5. NC
6. GPS_RXD (WHITE)
7. VCC3 (RED)
8. GND / EARTH (BLACK)
9. SPEAKER+ (RED)
10. SPEAKER- (BLACK)
11. GND / EARTH (BLACK)
12. AUX_L (WHITE)
13. AUX_R (RED)
14. GND / EARTH (BLACK)
15. SD_D2 (BROWN)
16. SD_D3 (WHITE)
17. SD_CMD (ORANGE)
18. SD_CD (YELLOW)
19. VCC3 (RED)
20. SD_CLK (GREEN)
21. SD_D0 (WHITE)
22. SD_D1 (BLUE)
23. GND / EARTH (BLACK)
24. SD_WP (WHITE)

Pin Map – (5)

5. Input Extension HDMI, RGB, AV 20 Pin Connector

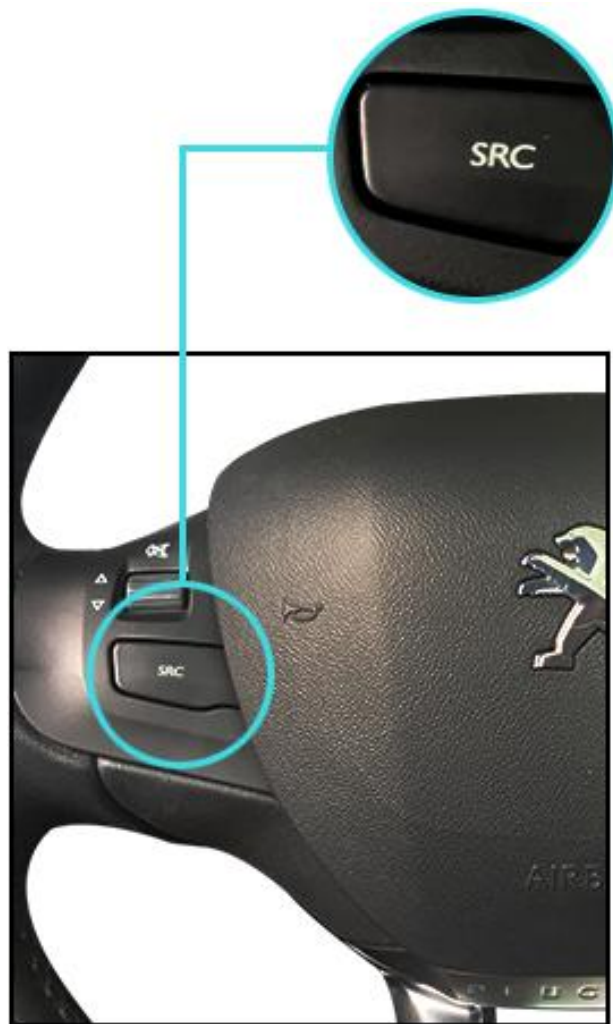


1	3	5	7	9	11	13	15	17	19
2	4	6	8	10	12	14	16	18	20

1. NAVI_R (RED)
2. NAVI_G (GREEN)
3. NAVI_B (BLUE)
4. NAVI_CSYNC (WHITE)
5. NAVI_VSYNC (BLACK)
6. GND / EARTH (YELLOW)
7. 5V_SCLK (BLACK)
8. 5V_SDAT (RED)
9. VCC 5V (WHITE)
10. GND / EARTH (BLACK)
11. EXT_CVBS (YELLOW)
12. GND / EARTH (BLACK)
13. IR_OUT (BLACK)
14. AUX_L (RED)
15. AUX_R (WHITE)
16. GND / EARTH (BLACK)
17. 5V_SCLK (RED)
18. 5V_SDAT (GREEN)
19. VCC 5V (WHITE)
20. GND / EARTH (BLACK)

DIP Switch Settings

Activation (Mode selection method1)



1. Press 2 sec.



2. Press Short.

Android OS
AV1, AV2, AV3
F - CAM

Back to
OEM screen



Activation (Mode selection method2)

Activation Area Press 2sec.

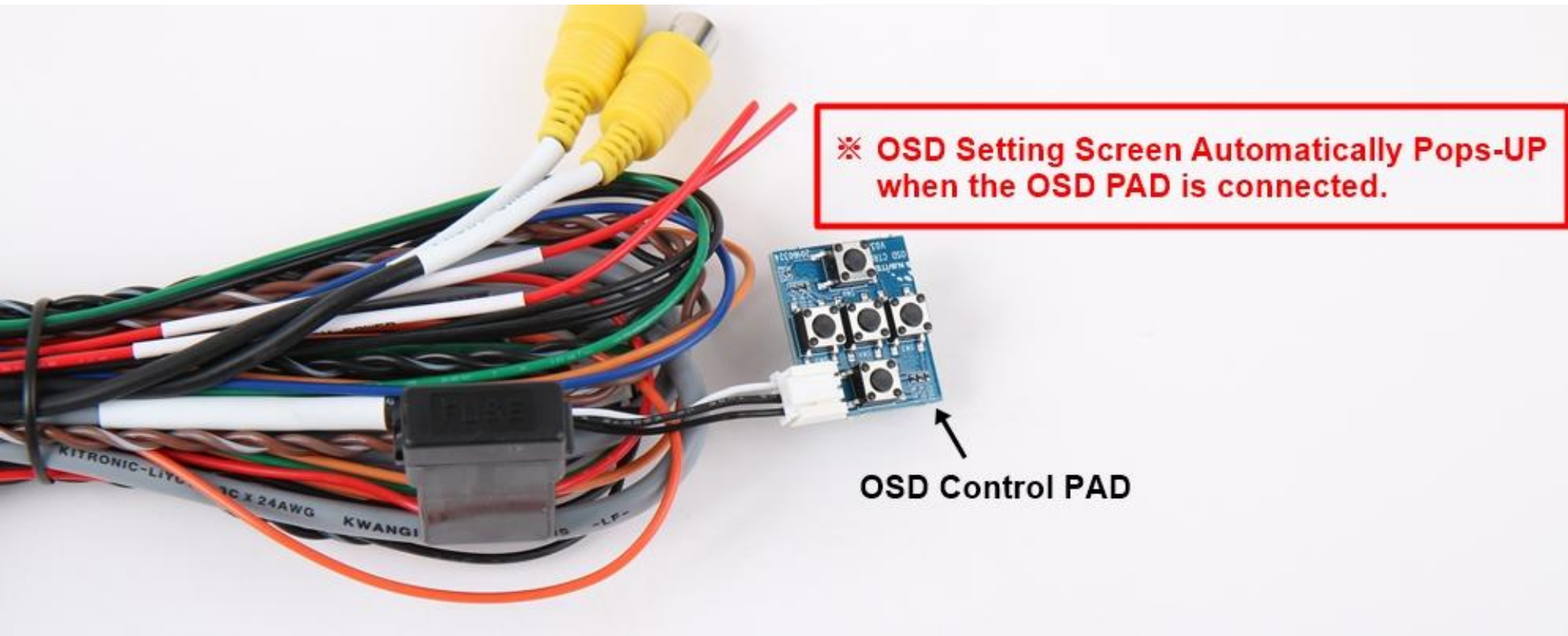


OEM Screen



Android

OSD(On Screen Display) Settings



Trouble Shooting

1. For the Peugeot and Citroen **MANUAL TRANSMISSION** Vehicles, Rear View Camera FPG (Flexible Parking Guidelines) CAN Signal is flexible so please turn off the FPG Function from the OSD Setting.
- 2.

Firmware Update Process

- ※ Firmware Update does not require additional power source for the product.
- ※ Firmware (Program) Update Connection to PC by Mini USB to USB

