



HS GPS05 Interfaccia ANDROID



■ MAIN SPEC

CLASSIFICATION

OS
 CPU
 MEMORY
 USB
 TELECOMMUNICATION
 GPS
 TOUCH
 RGB
 LVDS OUT
 SPEAKER
 FM TRANSMITTER
 I/O
 VOLTAGE
 TEMPERATURE
 SIZE
 WEIGH

SPECIFICATION

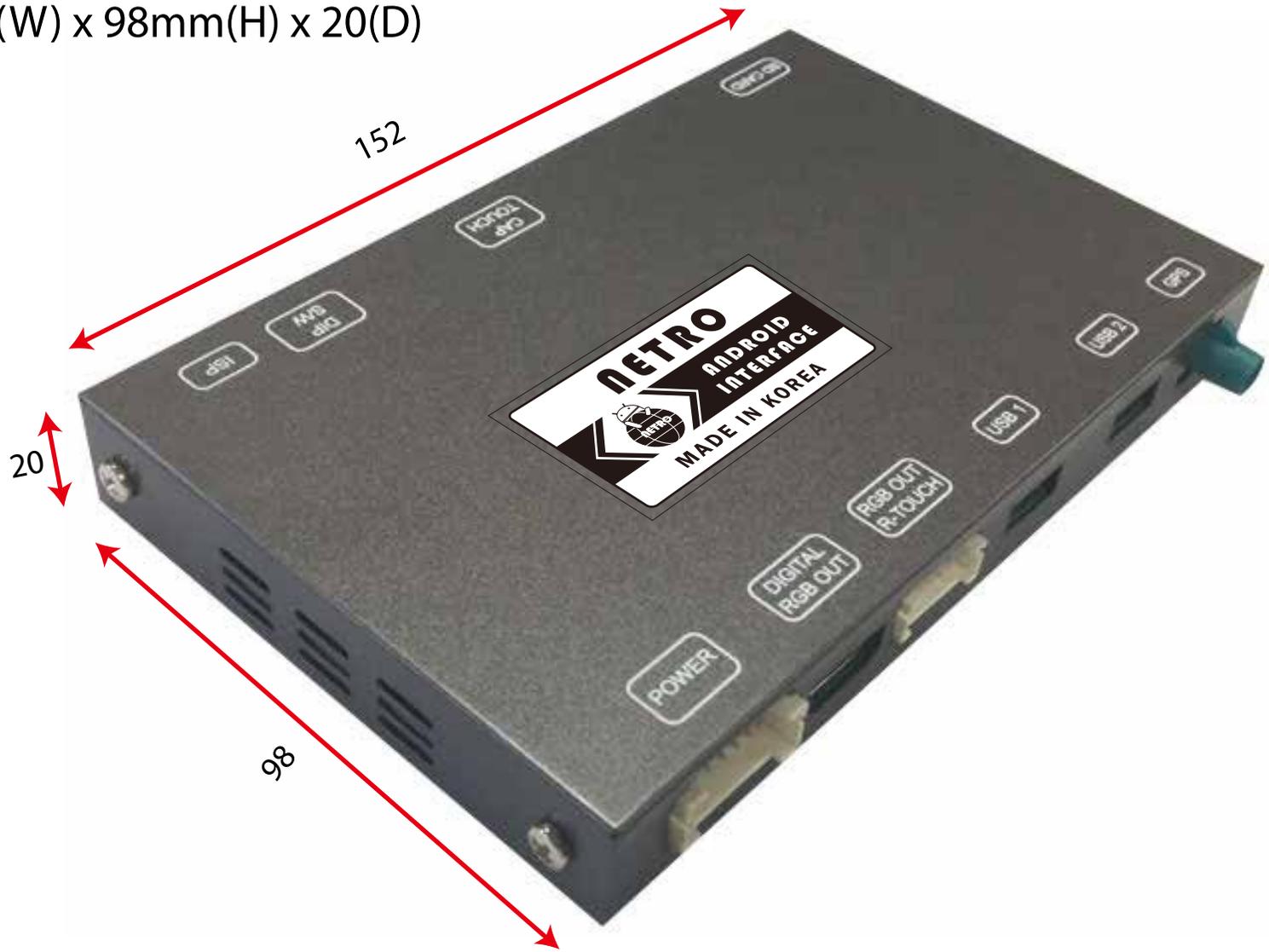
Android 5.0.2(Lollipop)
 NXP4330Q - Cortex-A9 Quad Core @1.4Ghz Mali-400 MP4 GPU
 1GB DDR3 @800Mhz
 USB2.0 High Speed Port x 2
 802.11 b/g/n Wi
 Ublox8
 Resistor and Capacitive touch support both
 800x480
 Digital 800x480 LVDS OUT
 2W
 88.0Mhz~108.0Mhz
 Sd card, USB IN / Stereo Audio
 DC 12V ~ 24V
 -25°C ~ 85°C
 152x98x20 mm
 250g

■ Spec of GPS

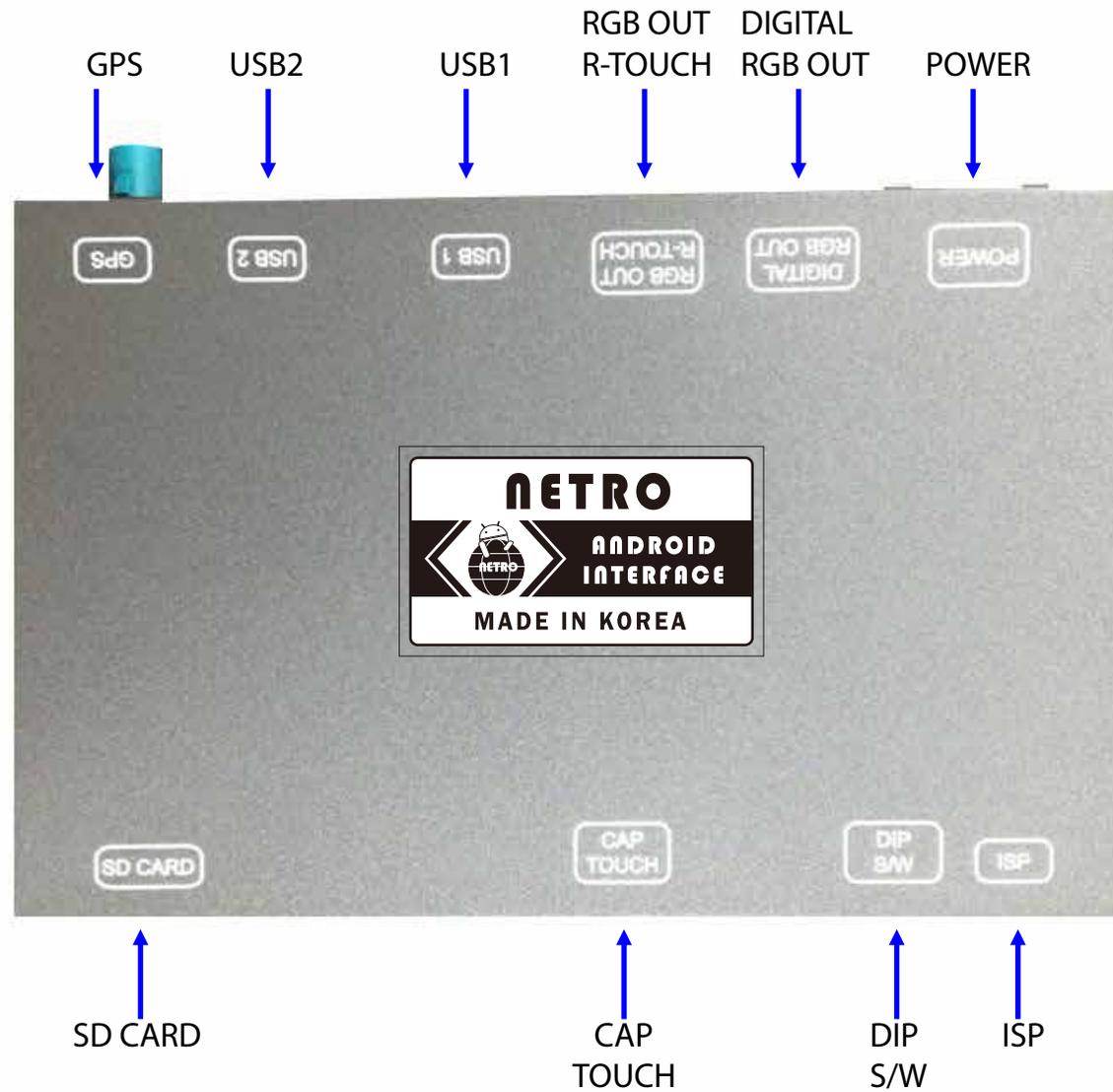
PARAMETER	UBLOX6	UBLOX7	UBLOX8
Receiver	GPS, QZSS , SBAS	GPS, QZSS , SBAS + GLONASS(select)	GPS, GLONASS, QZSS, SBAS+ BeiDou(select)
Reception path	sequential:1 RF path	sequential:1 RF path	concurrent:2RF path
Channels	50 CH	56 CH	72CH
Tracking Sensitivity	-160 dBm	-162 dBm	-167 dBm
Tracking Sensitivity Single GNSS		-158 dBm	-166 dBm
Hot Start TTFF	1s	1s	1s
Cold Start	29s	29s	26s
Maximum Navigation Update Rate	Up to 5 Hz	Up to 5 Hz	Up to 10 Hz
Horizontal Positio Accuracy	Autonomouse<2.5m GPS + SBAS<2.0 m	Autonomouse<2.5m GPS + SBAS<2.0 m	Autonomouse<2.5m GPS + SBAS<2.0 m
Sustained Supply Current	39mA	28mA	25mA
Asisnow Autonomous validity	2days (GPS)	3days (GPS)	3days (GPS/QZSS,GLONASS)
Cerication	-	-	AEC-Q100 qualied

■ Dimension

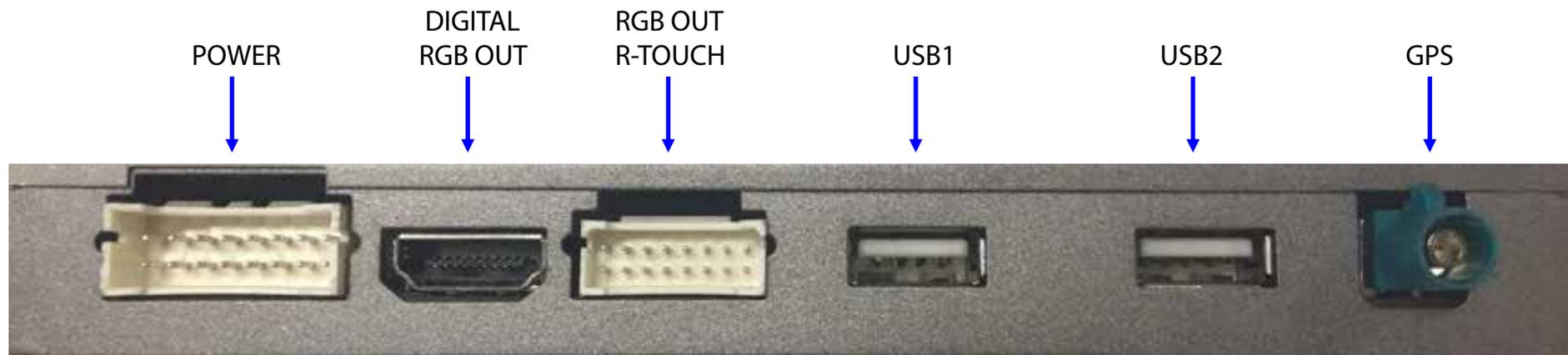
152mm(W) x 98mm(H) x 20(D)



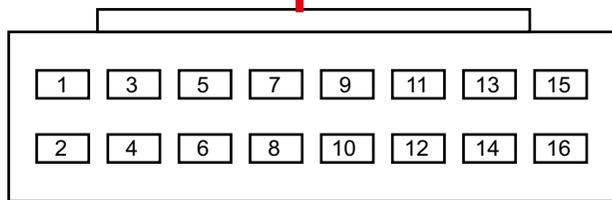
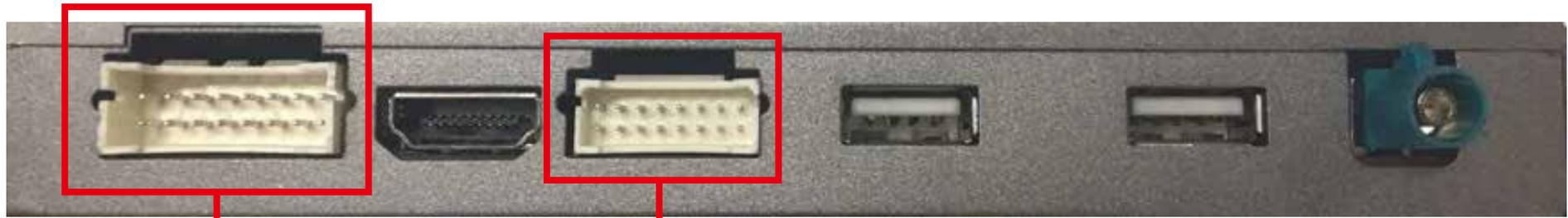
External Appearances - 1



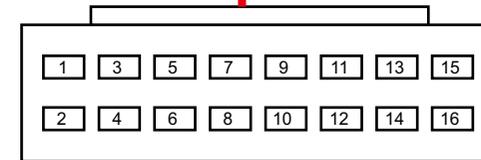
External Appearances - 2



Pin Assignment of Connector



POWER CABLE



RGB & TOUCH CABLE

250-16

1 B+	3 GND	5	7	9 MIC +	11 AUDIO OUT R	13 SPEAKER OUT -	15 SPEAKER OUT +
2	4	6 ACC	8	10 MIC -	12 AUDIO OUT L	14 AUDIO GND	16 FMT ANTENNA

200-16

1 R	3 G	5 B	7 SYNL	9 TX +	11 TY -	13 TX -	15 TY -
2 GROUND	4 GROUND	6	8	10	12	14	16

■ Components



MAIN UNIT



HDMI CABLE



RGB CABLE & RESISTIVE TOUCH CABLE



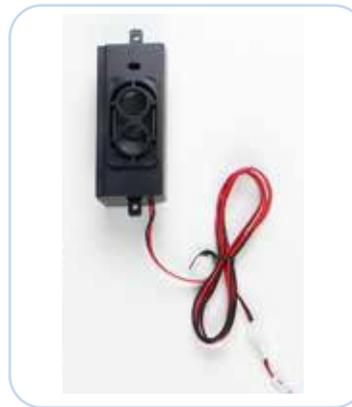
WIFI DONGLE



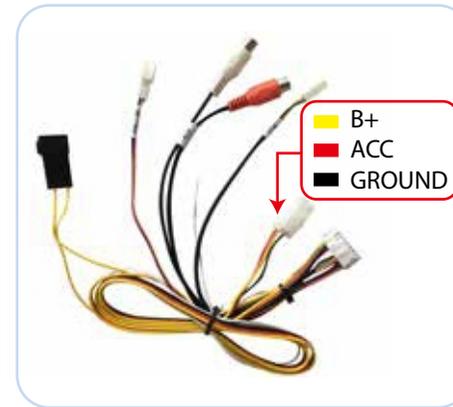
GPS ANTENNA



MICRO PHONE



SPEAKER



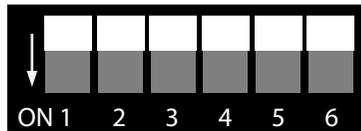
POWER CABLE



CAPACITIVE TOUCH CABLE

■ Dip Switch Setting

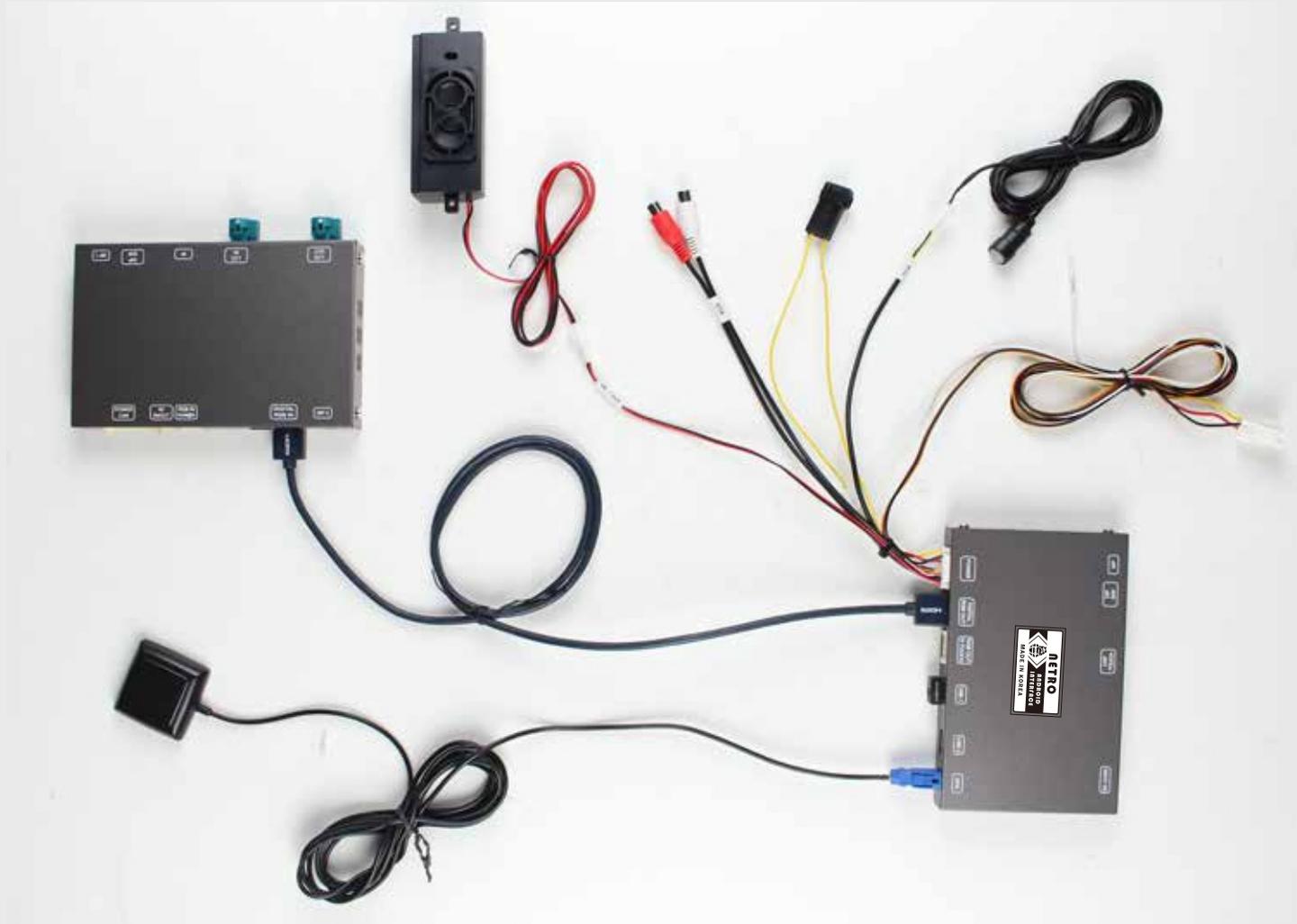
OFF : Upward
 ON : Downward



PIN	OFF	ON
1	NC	NC
2	NC	NC
3	NC	NC
4	NC	NC
5	NC	NC
6	NC	NC

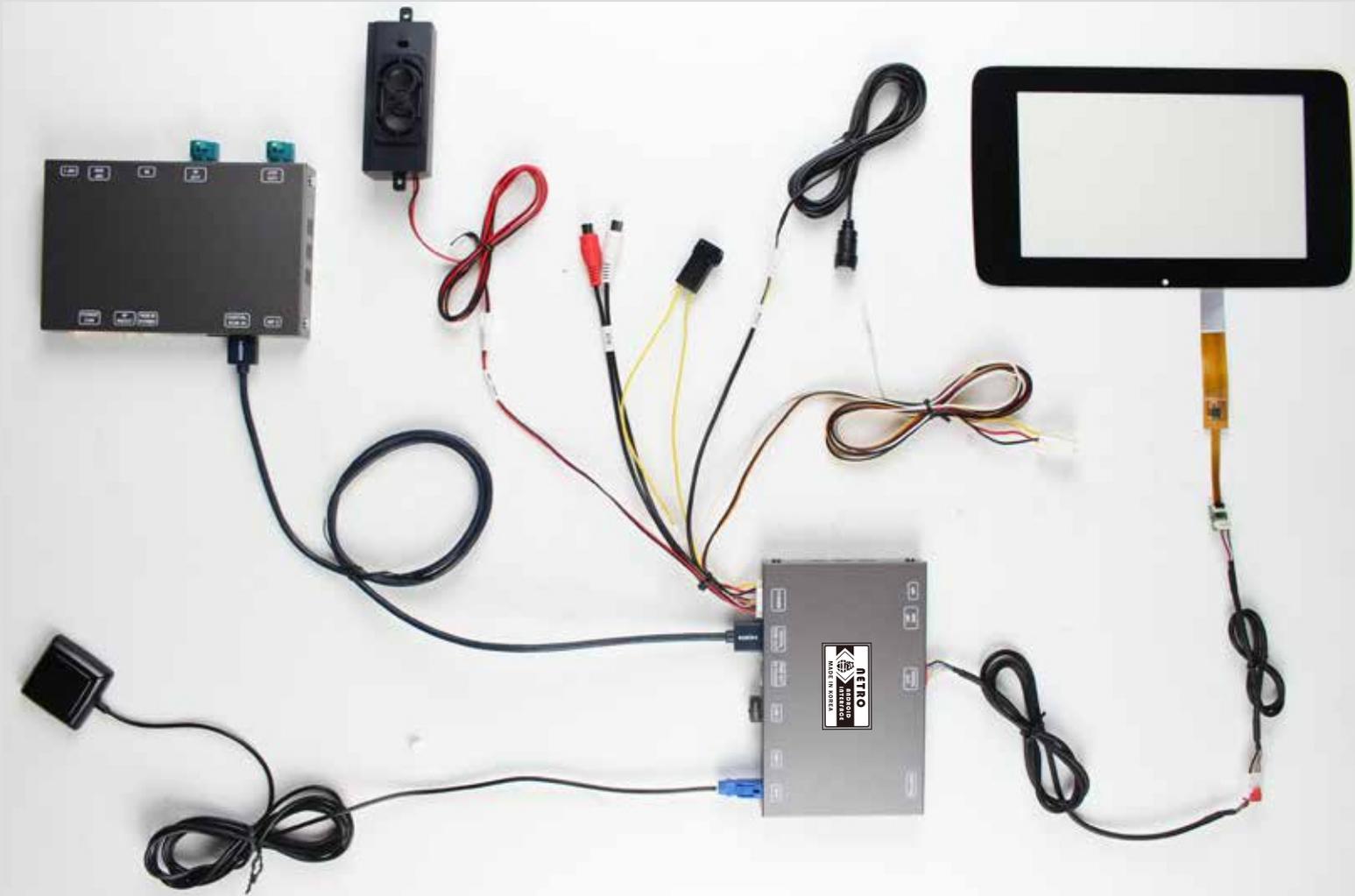
■ Installation - 1

Uart touch with digital RGB output (LVDS) by HDMI cable (LVDS) BY HDMI CABLE



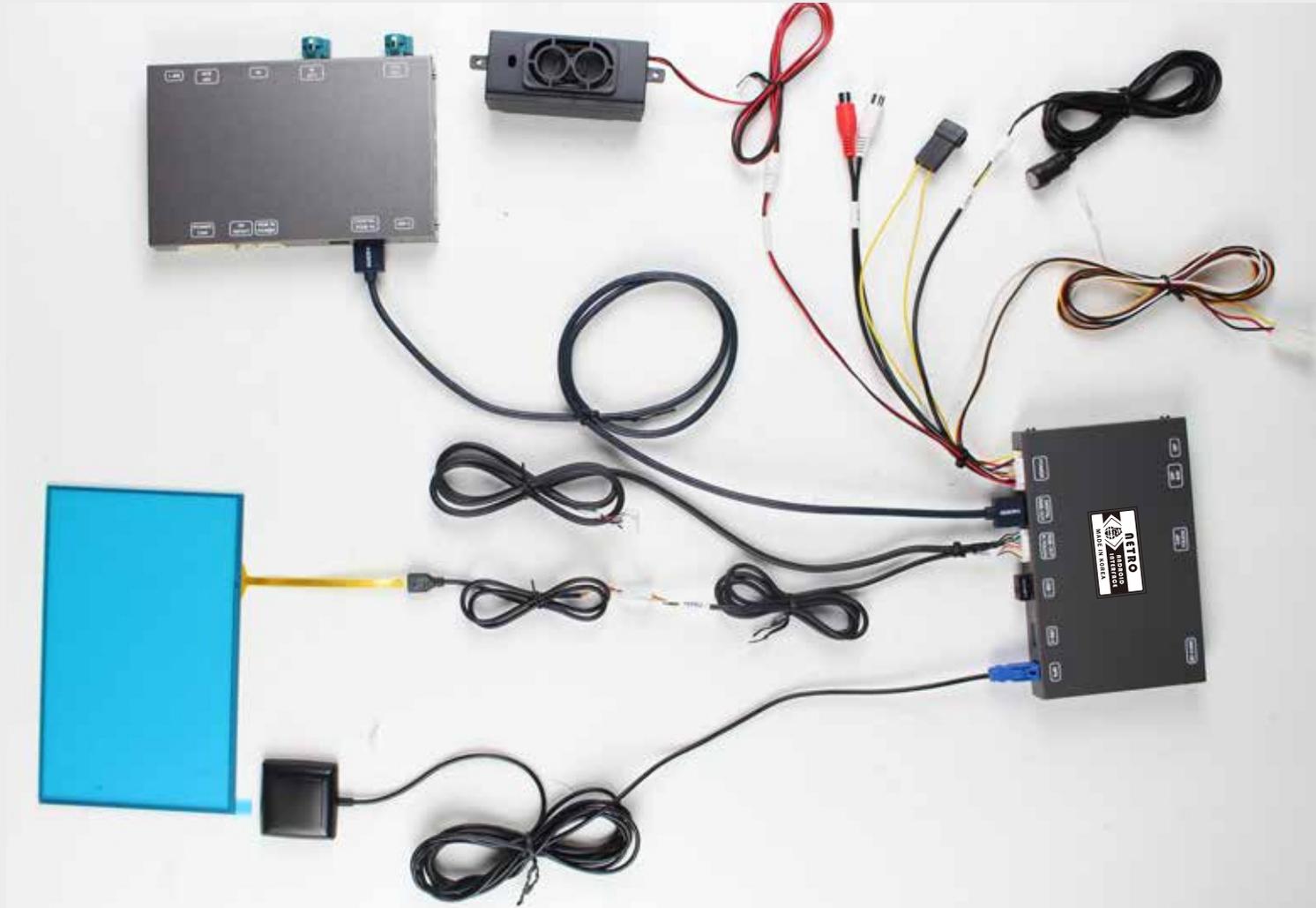
■ Installation - 2

Capacitive touch with digital RGB output (LVDS) by HDMI cable



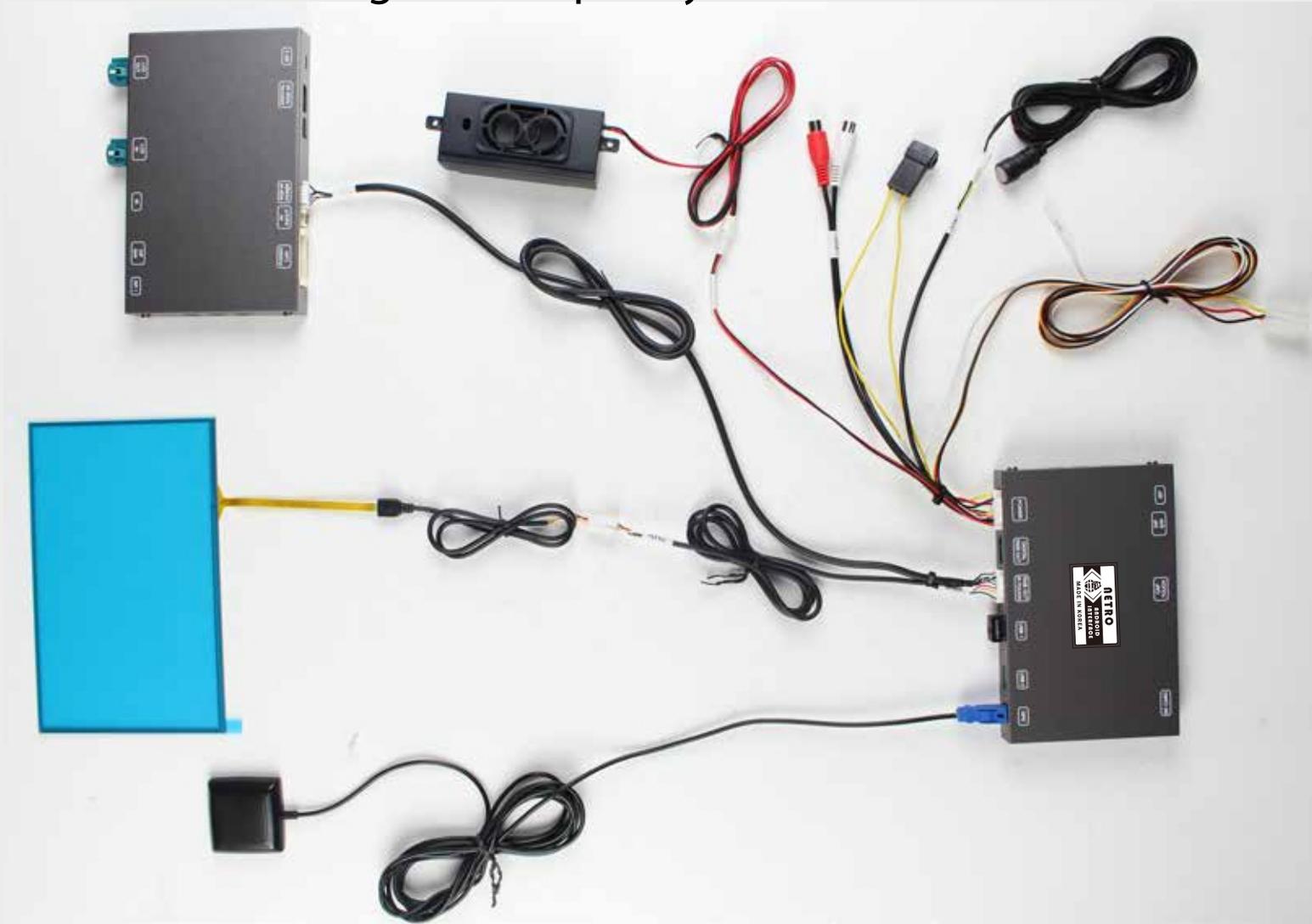
■ Installation

Resistive touch with digital RGB output (LVDS) by HDMI cable



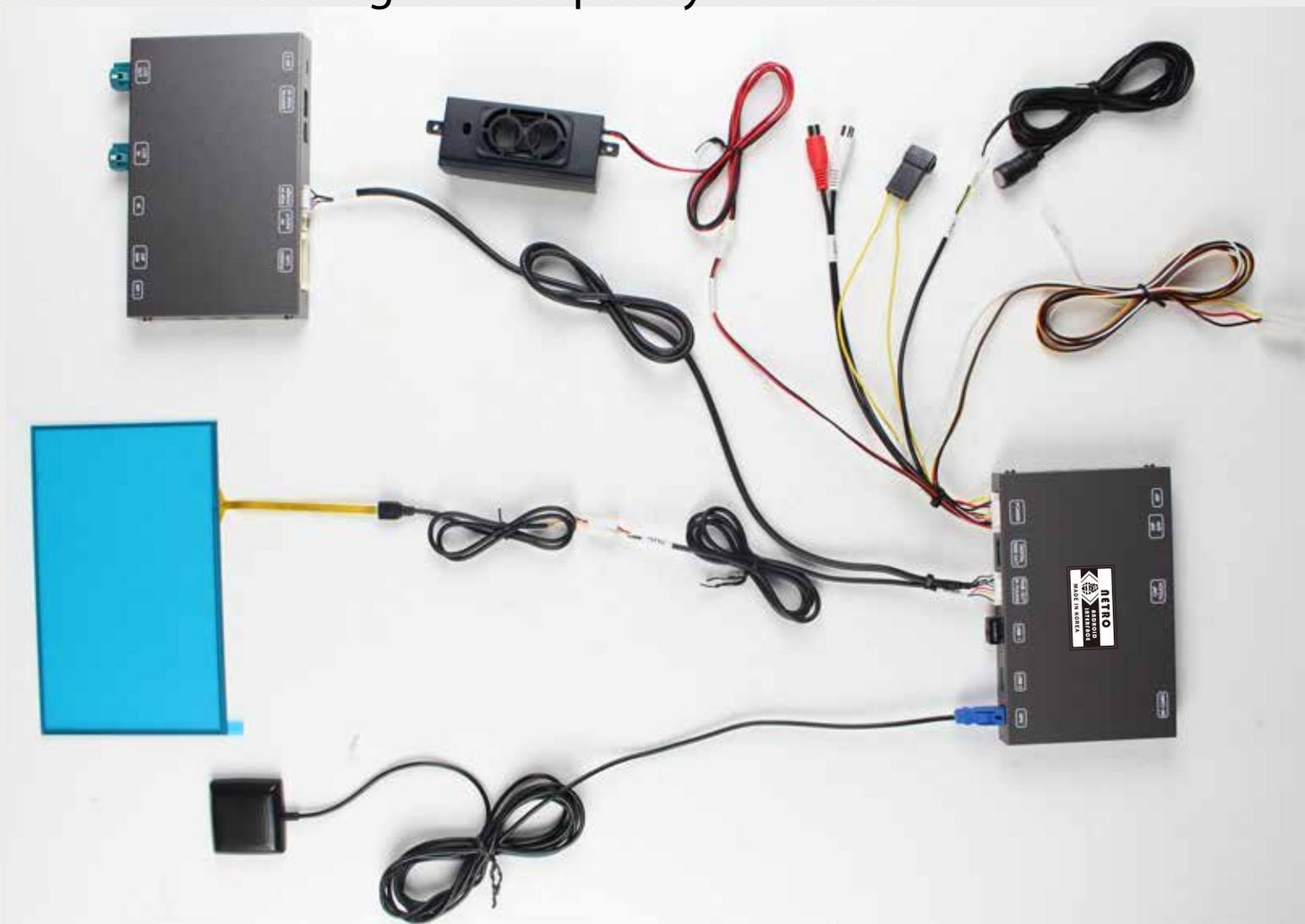
■ Installation

Resistive touch with analog RGB output by RGB cable

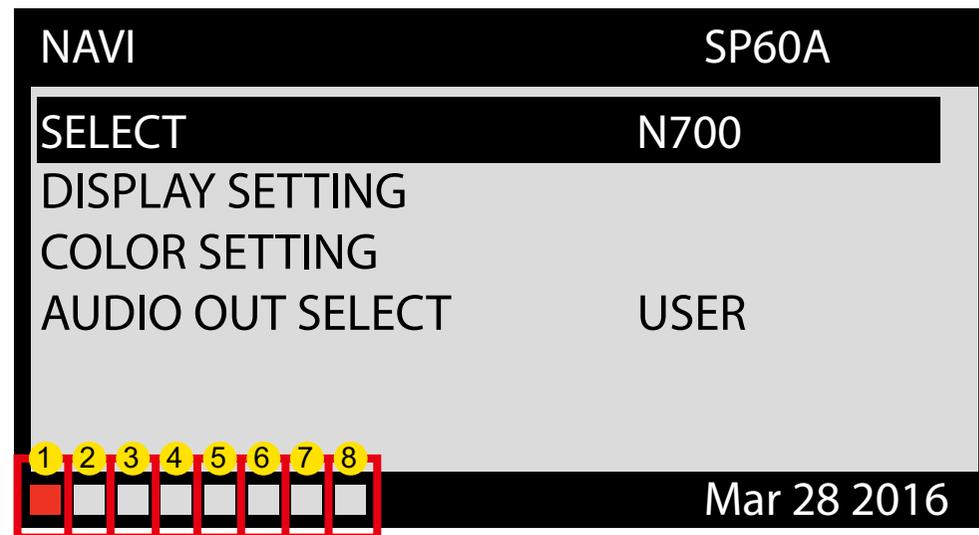
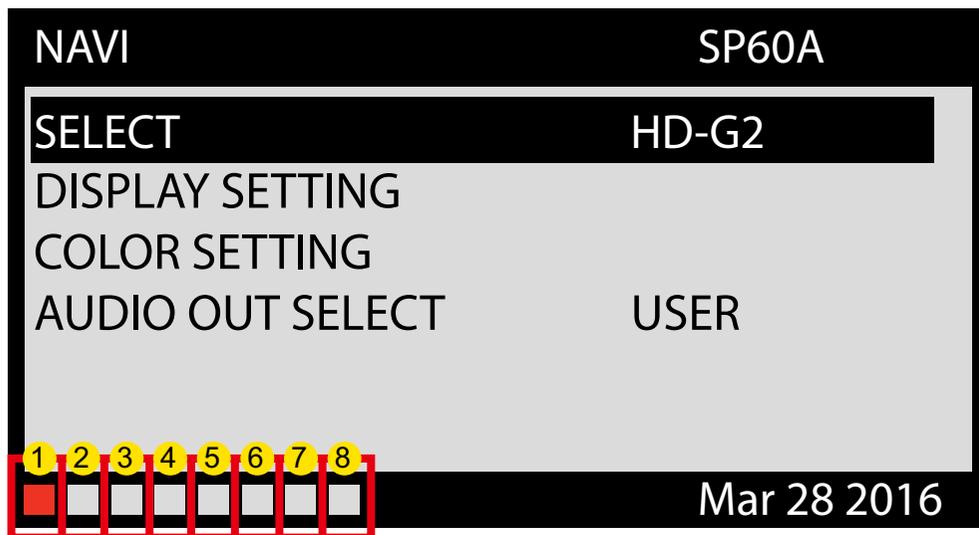


■ Installation

Resistive touch with analog RGB output by RGB cable

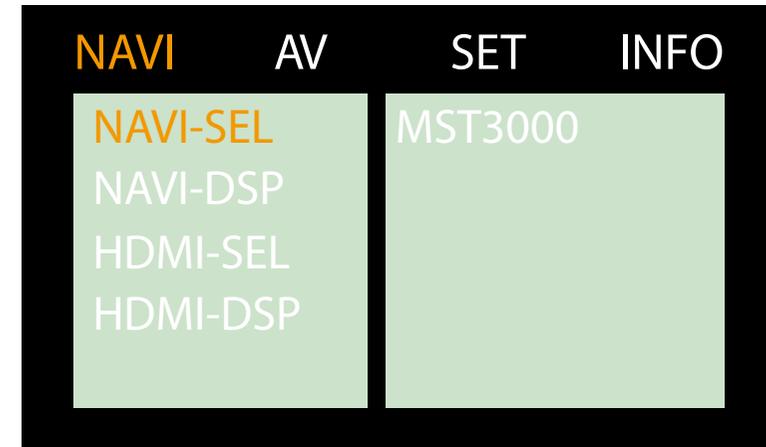
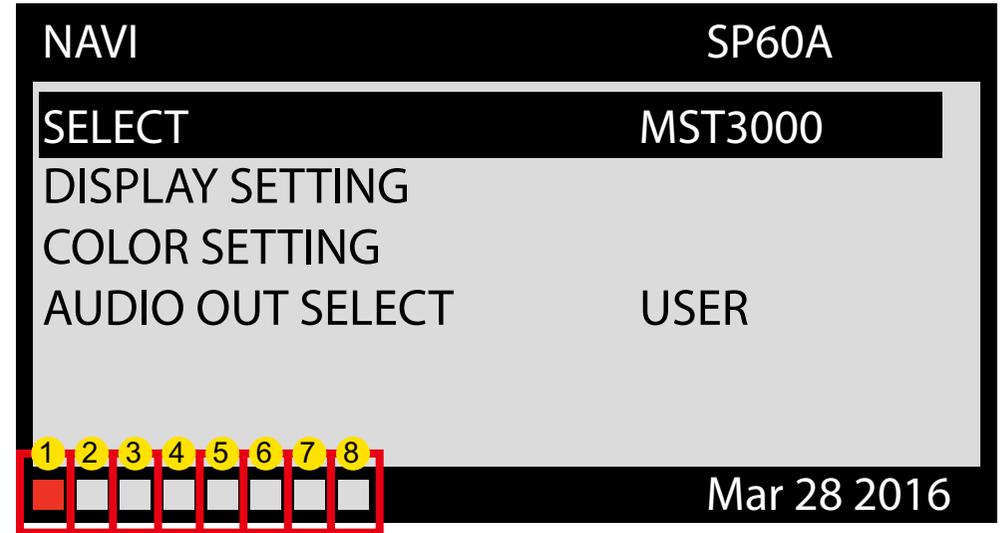
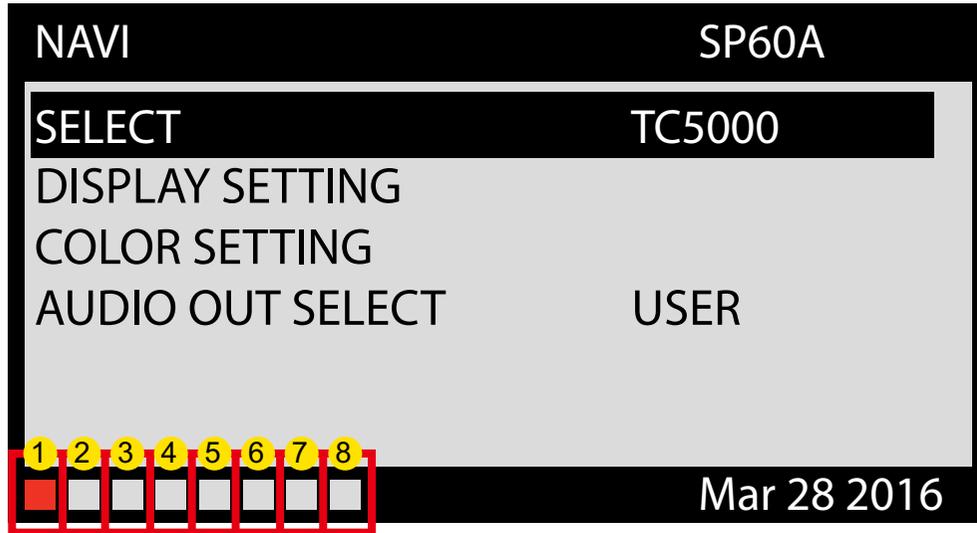


■ Navi Setting - DIGITAL RGB (LVDS IN)



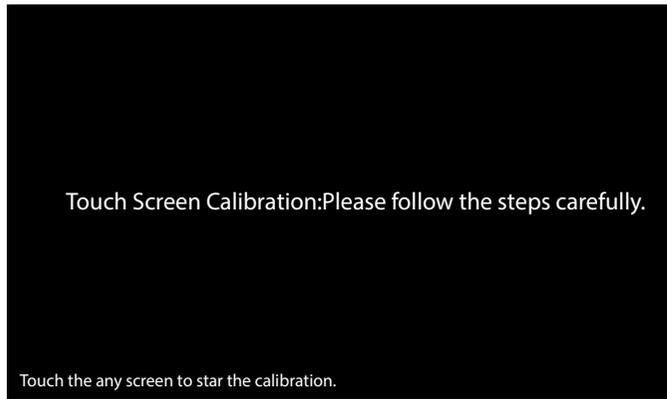
Please press "OK" button 4 times and press "POWER" button once to enter into our OSD menu by remote controller and select HD-G2/N700 after installing our interface and our Android box by HDMI cable.

■ Navi Setting - ANALOG RGB

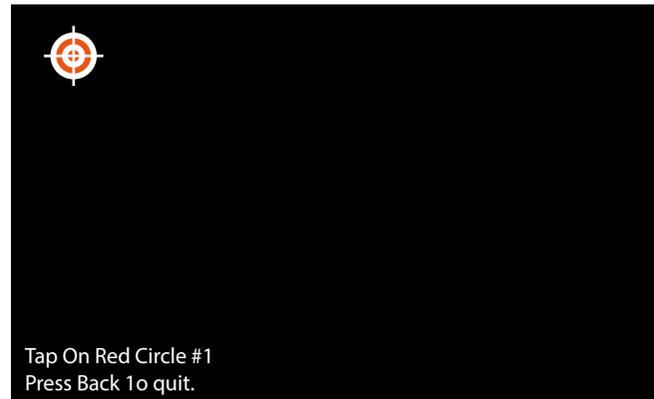


Please press "OK" button 4 times and press "POWER" button once to enter into our OSD menu by remote controller and select TC5000/MST3000 after installing our interface and our Android box by RGB cable.

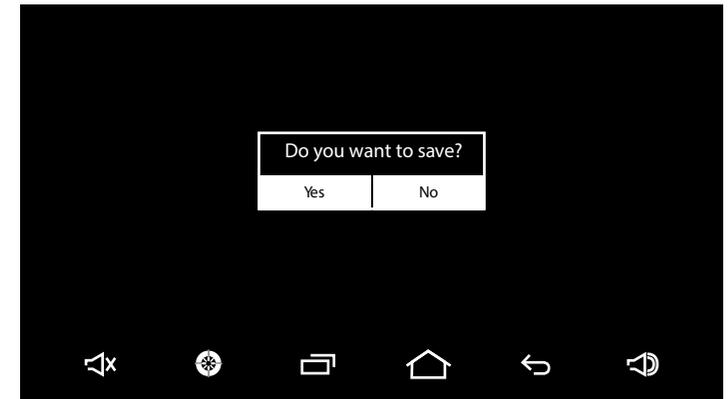
■ Calibration Setting



(1)



(2)



(3)

1. Please press any point of screen around 7s long, and then it will enter to TOUCH SCREEN CALIBRATION as above picture (1).
2. Please press the cabibration points follow the steps carefully and correctly as above picture (2).
3. Please select "yes" after calibration.

Navigation Bar Position Adjustment

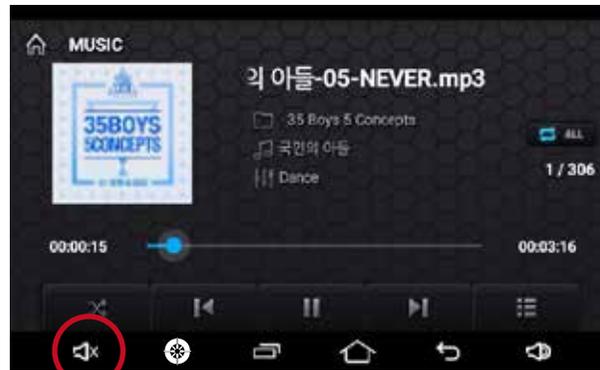


Please enter to SETTING of Android box to set navigation bar position as above images showed

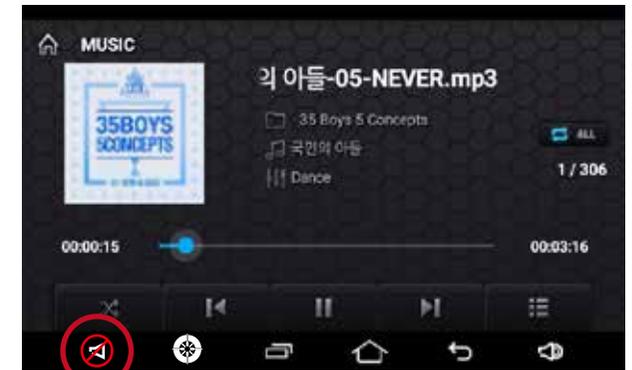
■ Sounds & Mute setting



Please press  to set volume +/- source of sound, and close the UI by pressing "close".



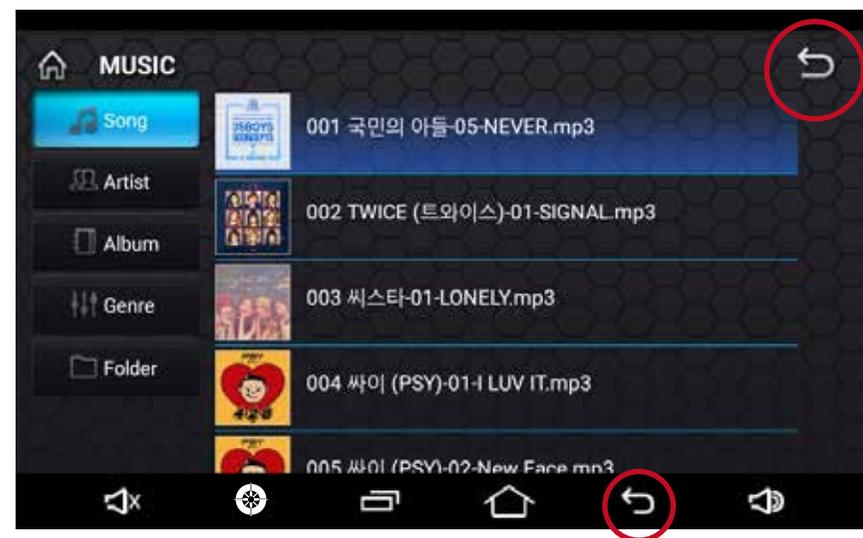
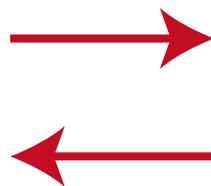
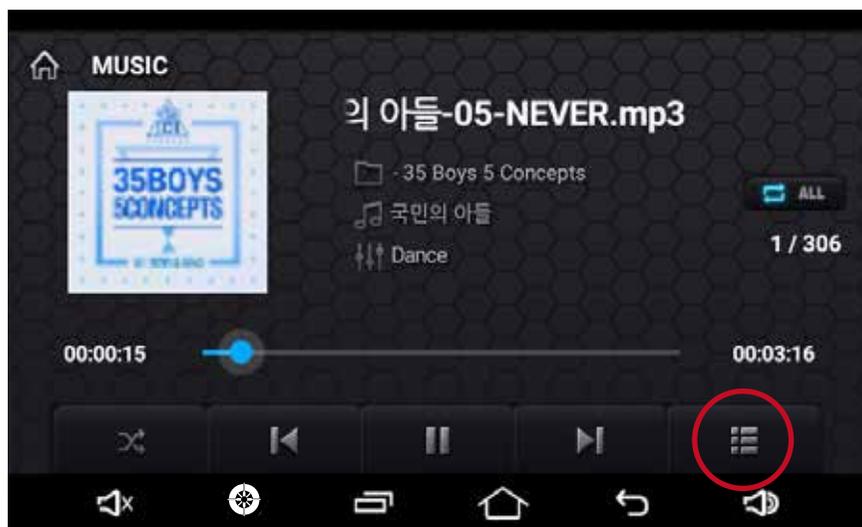
Voiced



Mute

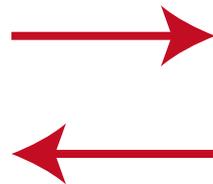
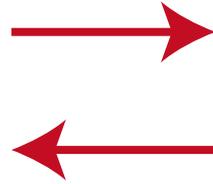
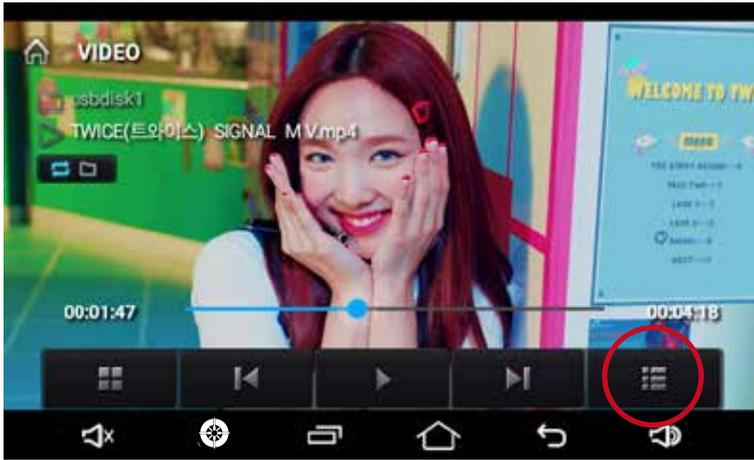


■ Music player

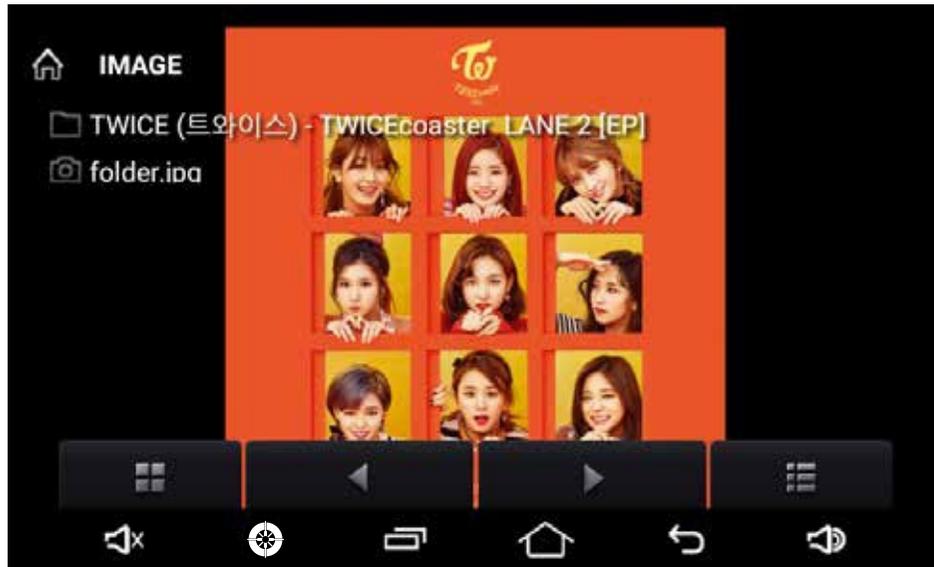




Video Player



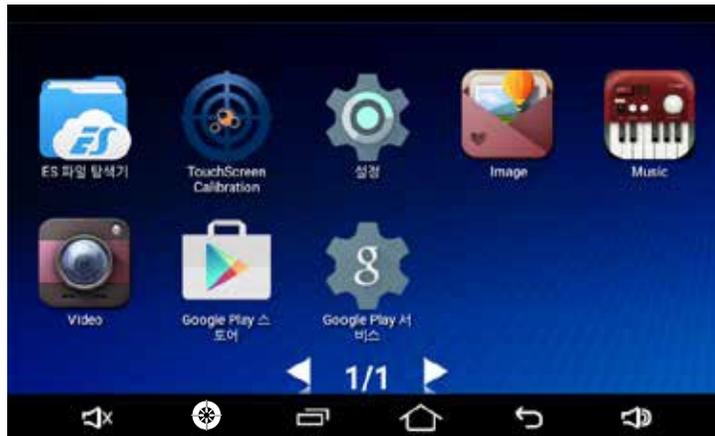
Image



■ App Adjuction/Delete on Main Screen

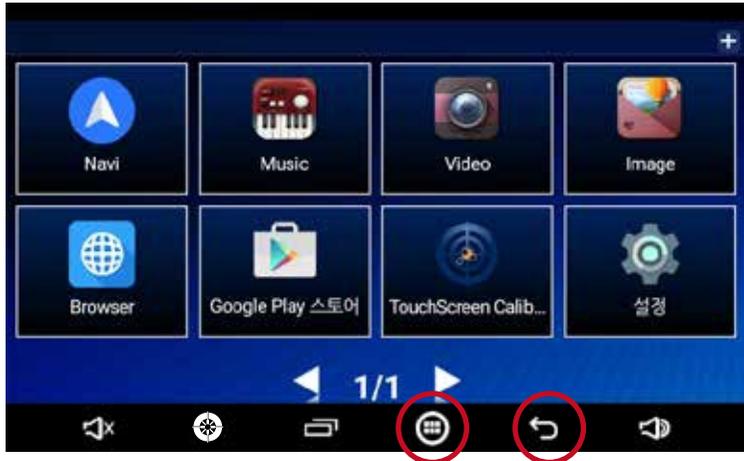


Please click icon “+” and select apps which you want to add onto main screen then it will appear on main screen

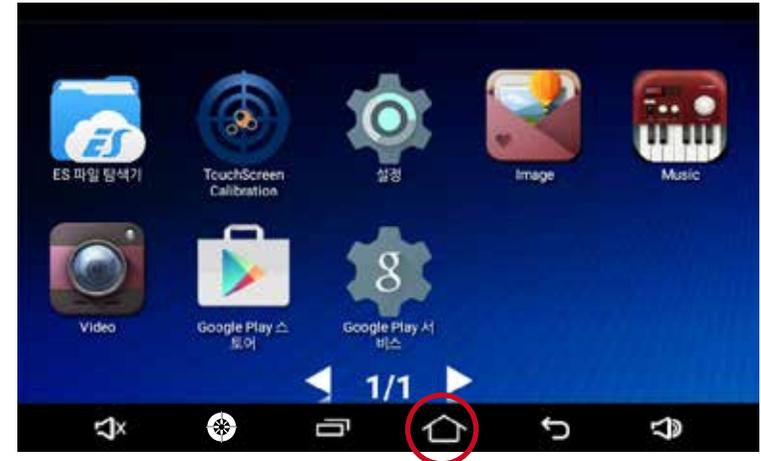
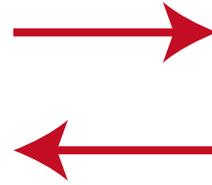


Please press the app for 3s which you want to delete on main screen, then icon “-” will appear on up right of the main screen.

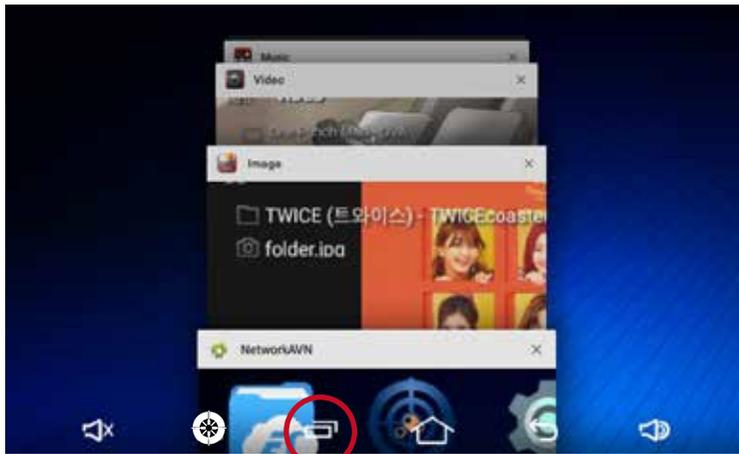
Function of Icons



Main Screen Back



App Screen



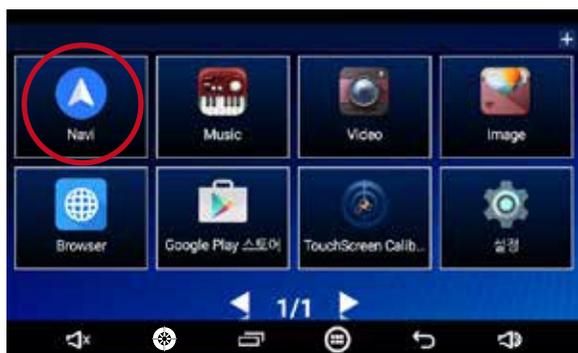
Multitasking



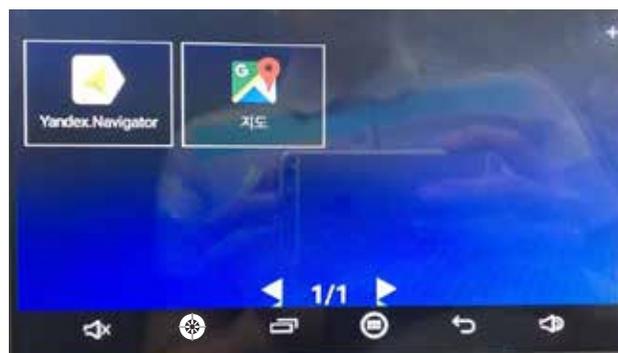
Mute

Sound

Function of Icons



(1)



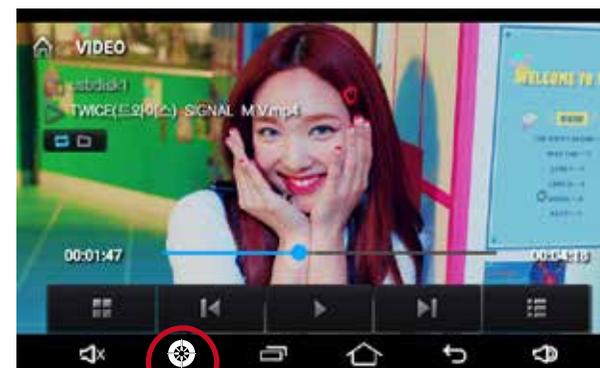
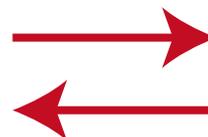
(2)



(3)



(4)



(5)

1. Normally most Navi apps will be created in NAVI folder automatical as (1) & (2) showed after you download them. (Press 2s long to enter into NAVI folder)
2. If you download several navi apps, and you enter to Google Map rst, and you watched video or entered to other apps before you enter to Google Map. Then screen will switch between Video Player (or previous app screen) and and Google Map (or other Navi app which you entered before pressing LIST icon) every time you press LIST icon as (4) & (5) showed. (Navi app screen->previous app screen->Navi app screen->previous app screen.....)
3. It will display navi screen every time you press NAVI folder for short as (1).
4. It will display navi screen automatically every time you restart NETRO.
5. NETRO will display Navi screen which you used previously every time you restart it.