Android Settop Interface

NETRO

MODEL. N700

Made in Korea

■ MAIN SPEC

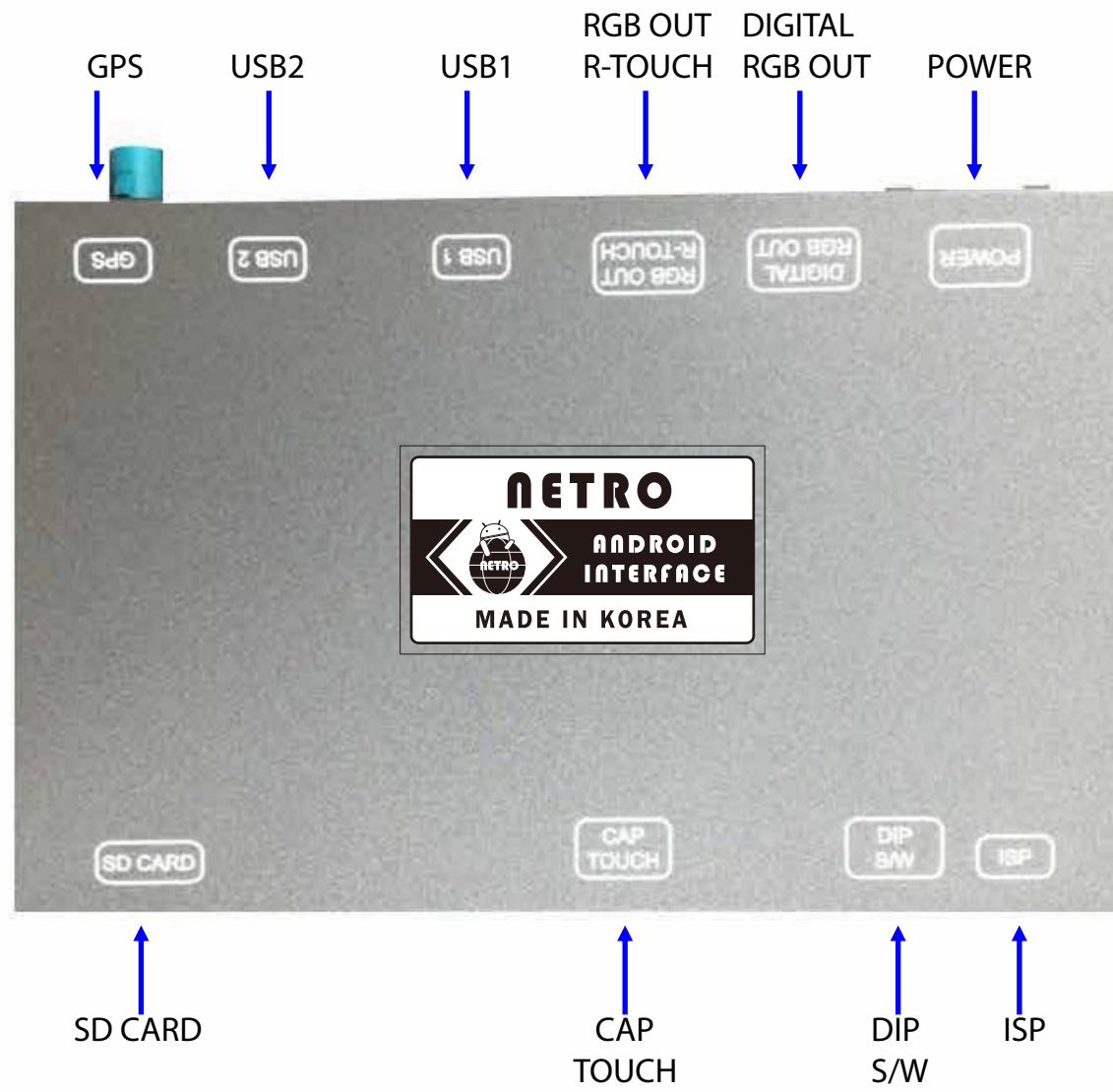| CLASSIFICATION	SPECIFICATION
OS	Android 5.0.2(Lollipop)
CPU	NXP4330Q - Cortex-A9 Quad Care @1.4Ghz Mali-400 MP4 GPU
MEMORY	1GB DDR3 @800Mhz
USB	USB2.0 High Speed Pork x 2
TELECOMMUNICATION	802.11 b/g/n Wifi
GPS	Ublox8
TOUCH	Resistor and Capacitive ouch support both
RGB	800x480
LVDS OUT	Digital 800x480 LVDS OUT
SPEAKER	2W
FM TRANSMITTER	88.0Mhz~108.0Mhz
I/O	Sd card, USB IN / Stereo Audio
VOLTAGE	DC 12V ~ 24V
TEMPERATURE	-25°C ~ 85°C
SIZE	152x98x20 mm
WEIGH	250g

Spec of GPS

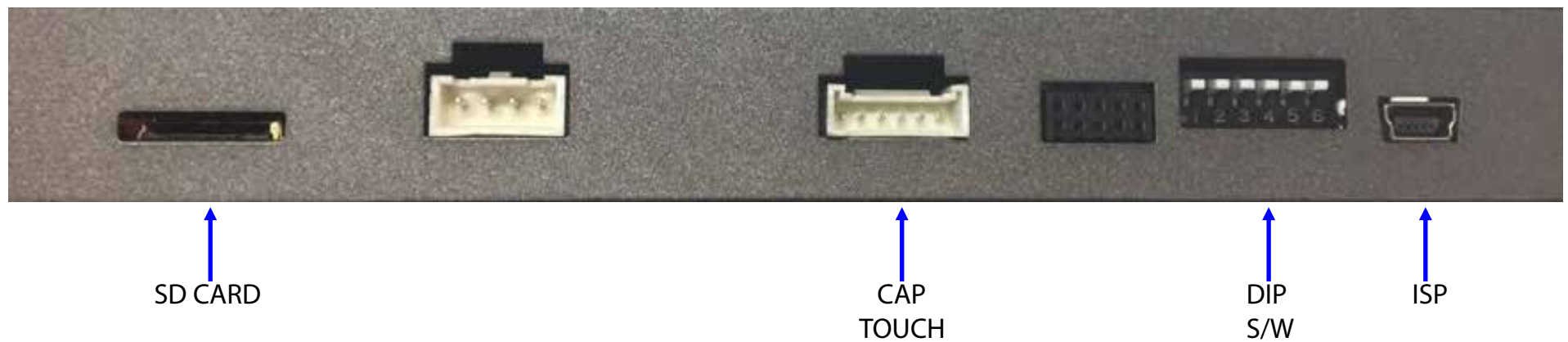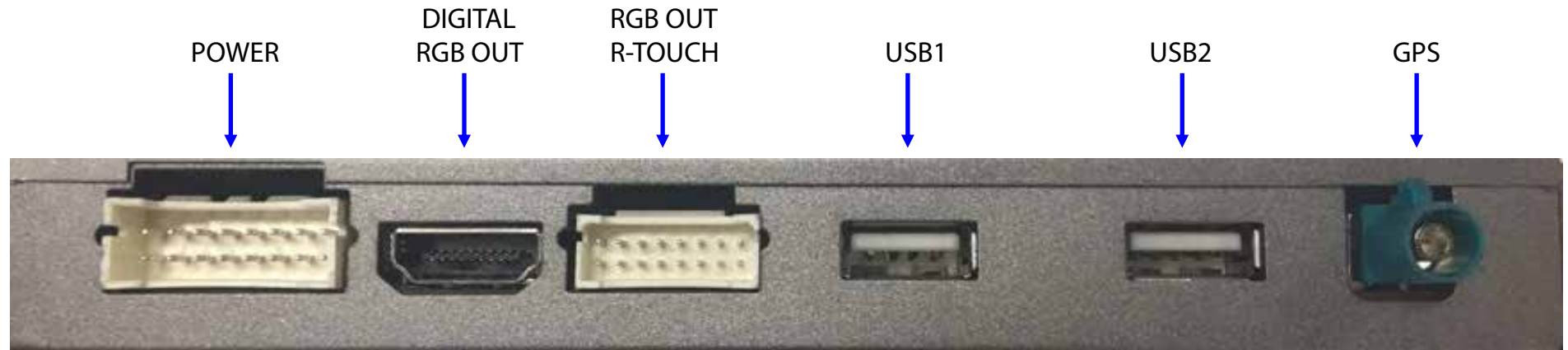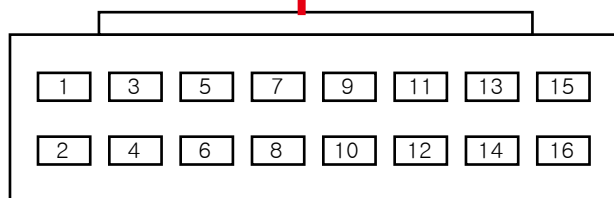| PARAMETER	UBLOX6	UBLOX7	UBLOX8
Receiver	GPS, QZSS , SBAS	GPS, QZSS , SBAS + GLONASS(select)	GPS, GLONASS, QZSS, SBAS+ BeiDou(select)
Reception path	sequential:1 RF path	sequential:1 RF path	concurrent:2RF path
Channels	50 CH	56 CH	72CH
Tracking Sensitivity Tracking Sensitivity Single GNSS	-160 dBm	-162 dBm -158 dBm	-167 dBm -166 dBm
Hot Start TTFF Cold Start	1s 29s	1s 29s	1s 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)
Cerification	-	-	AEC-Q100 qualified

■ Dimension

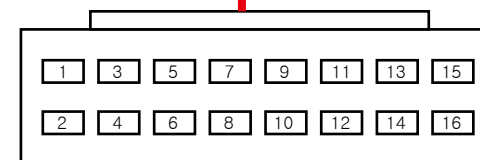### 152mm(W) x 98mm(H) x 20(D)

External Appearances - 1

GPS USB2 USB1 RGB OUT R-TOUCH DIGITAL RGB OUT POWER

SD CARD CAP TOUCH DIP S/W ISP

External Appearances - 2

POWER

DIGITAL
RGB OUT

RGB OUT
R-TOUCH

USB1

USB2

GPS

SD CARD

CAP
TOUCH

DIP
S/W

ISP
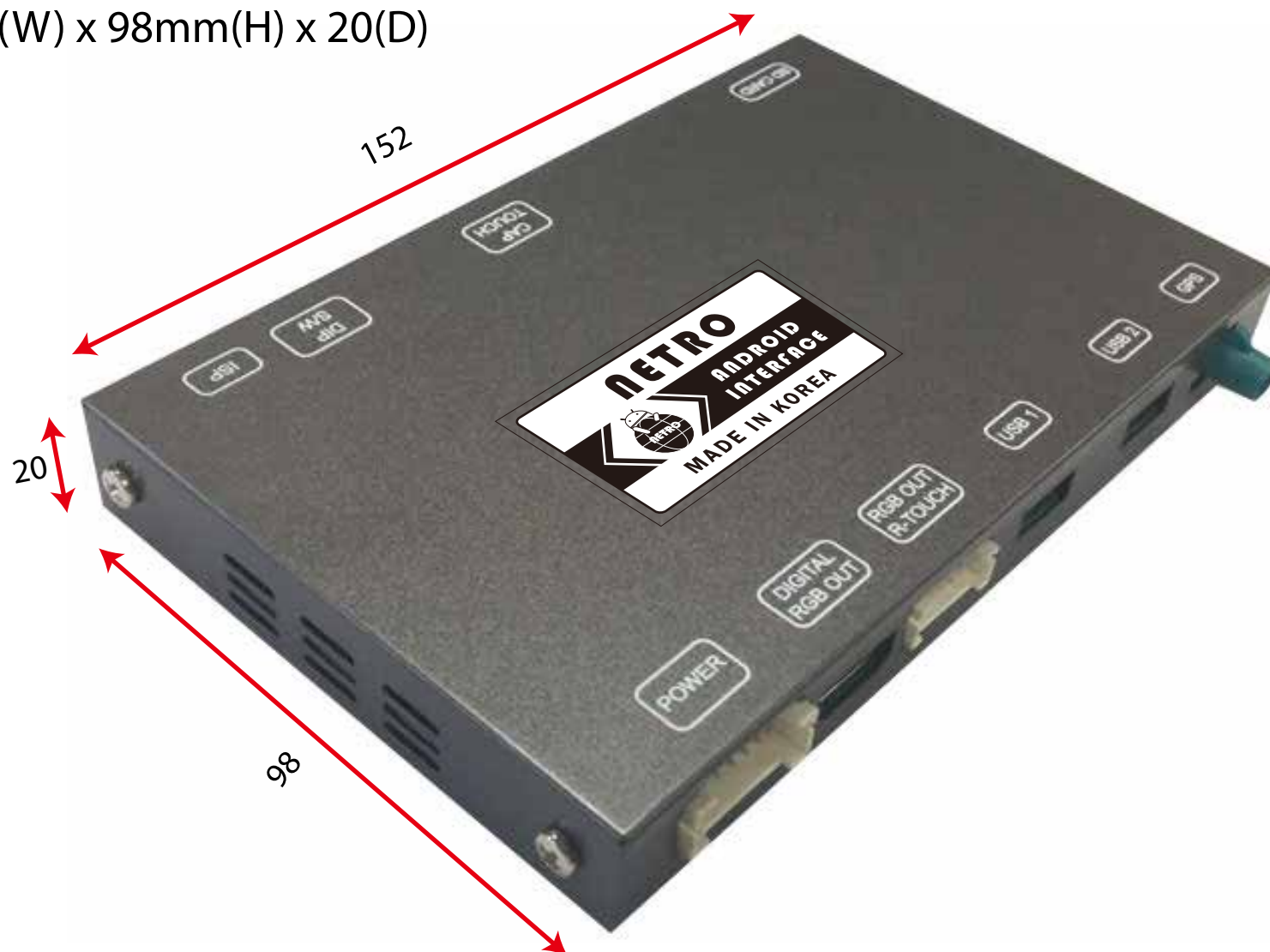
Pin Assignment of Connector

POWER CABLE

RGB & TOUCH CABLE

250-16

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

200-16

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

Components

MAIN UNIT

HDMI CABLE

RGB CABLE & RESISTIVE TOUCH CABLE

WIFI DONGLE

GPS ANTENNA

MICRO PHONE

SPEAKER
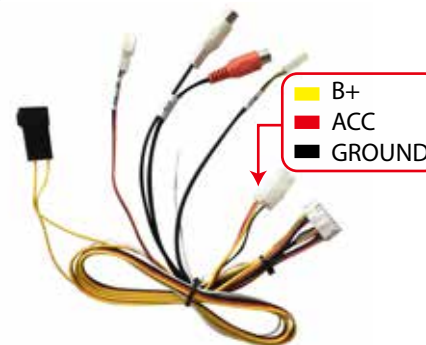
POWER CABLE

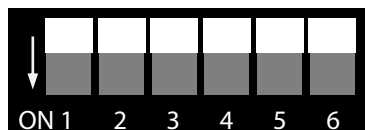* OPTION

🟨	B+
🟥	ACC
⬛	GROUND

CAPACITIVE TOUCH CABLE

Dip Switch Setting

OFF : Upward / ON : Downward

ON 1 2 3 4 5 6

SW2	4PIN TOUCH

※PLEASE REPOWER NETRO AFTER CHANGE DIP SWITCH※

| SW5	TOUCH CALIBRATION DIP SWITCH 5 ON TO ENTER TOUCH CALIBRATION AND DIP SWITCH 5 OFF

DIP SWICH	OFF	ON
1	RGB SETTING	RGB SETTING
2	CAP TOUCH SELECTION	4PIN TOUCH(RESISTIVE TOUCH)
3	CAP TOUCH SELECTION	CAP TOUCH SELECTION
4	CAP TOUCH SELECTION	CAP TOUCH SELECTION
5	N C	TOUCH CALIBRATION
6	RGB SETTING	RGB SETTING

<RGB SETTING>

DIP_SW1	SW6	
OFF	OFF	800X480
OFF	ON	400X240
ON	OFF	800X480
ON	ON	NC

<CAP TOUCH SELECT>

DIP_SW2	SW3	SW4	
OFF	OFF	OFF	UART TOUCH
ON	OFF	OFF	4P TOUCH(RESISTIVE TOUCH)
ON	ON	OFF	SN340
OFF	ON	OFF	GOODIX
OFF	OFF	ON	FOCAL TECH
ON	OFF	ON	ILTEK

Installation - 1

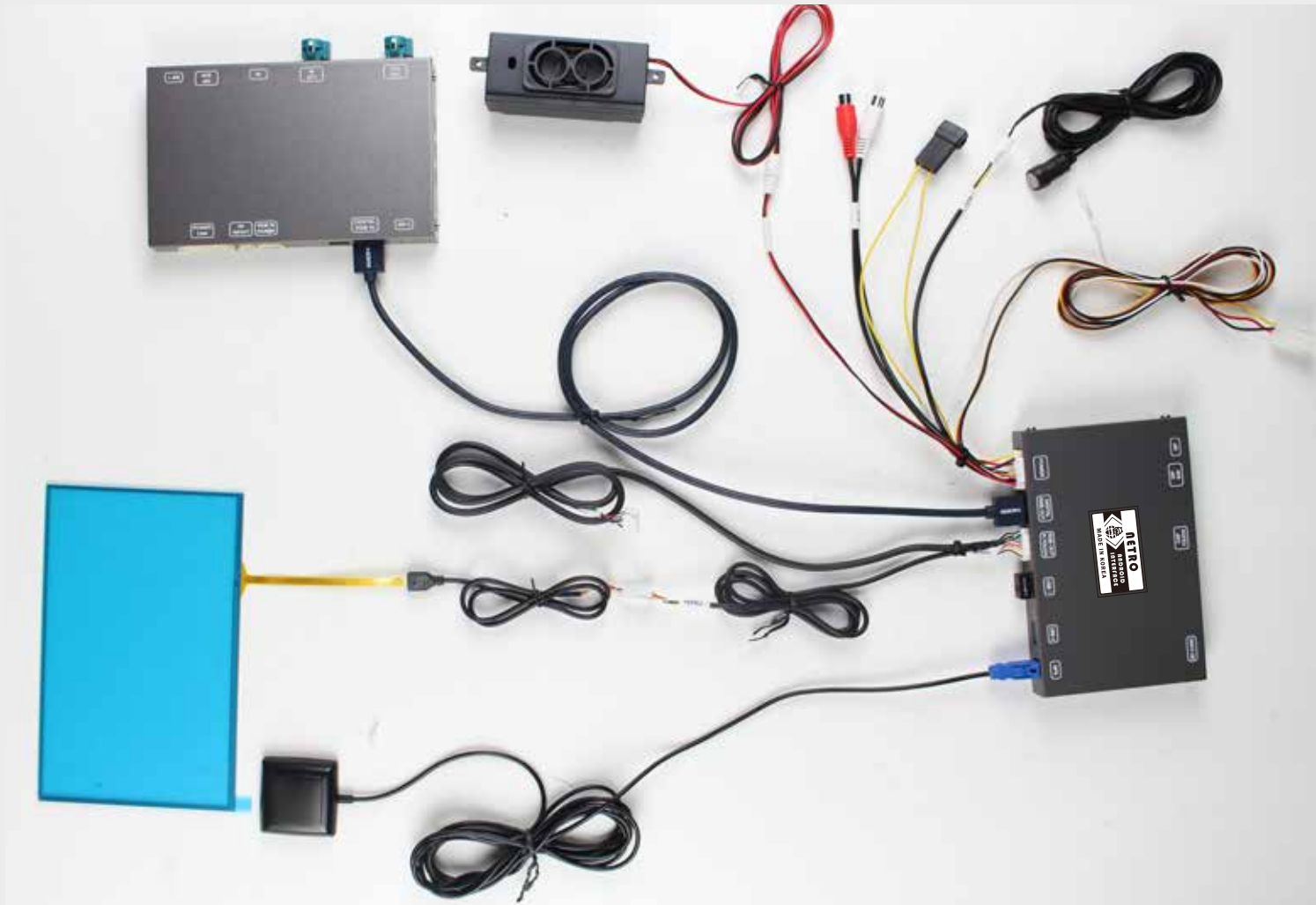Uart touch with digital RGB output (LVDS) by HDMI cableT (LVDS) BY HDMI CABLE
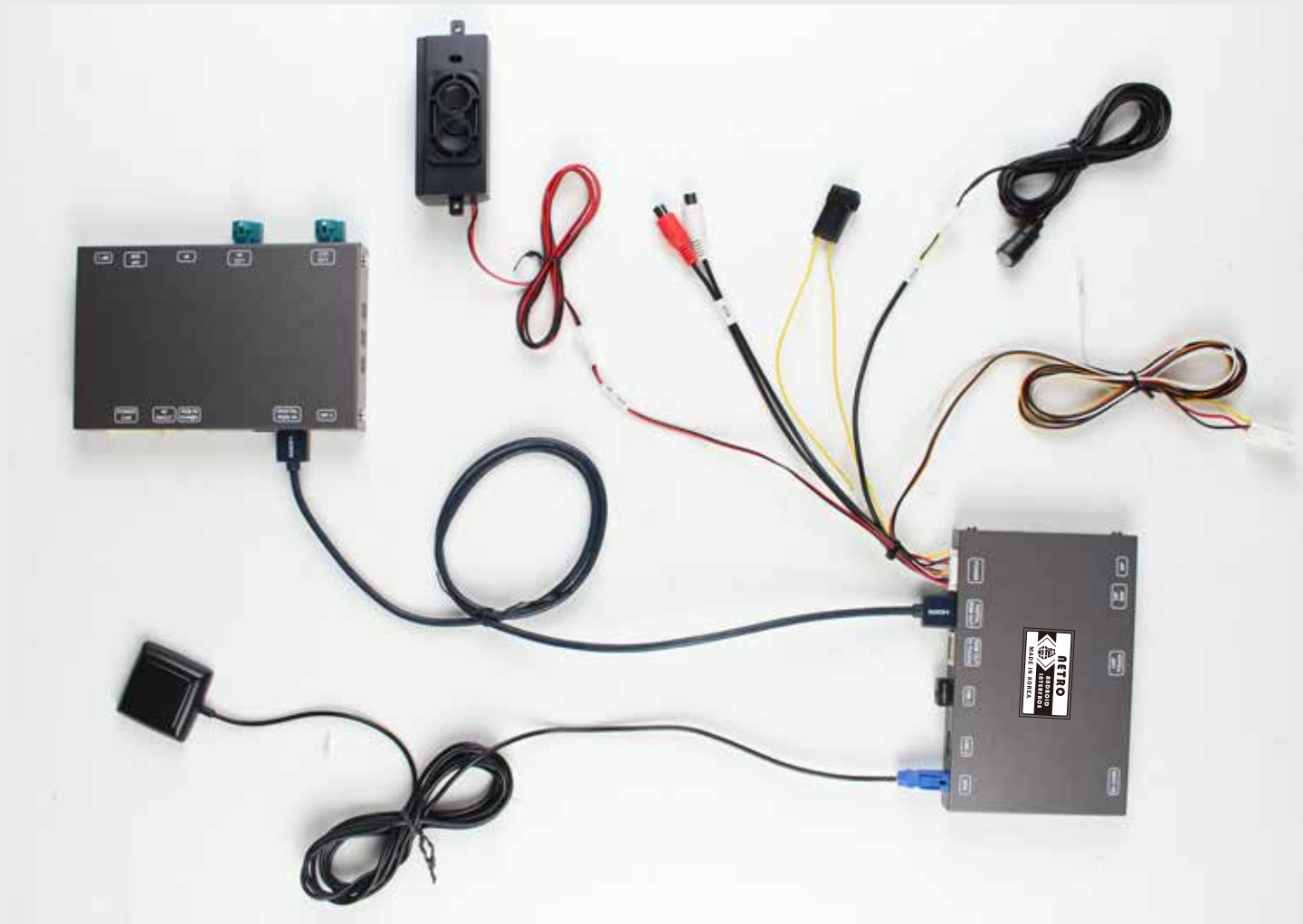
Installation - 2

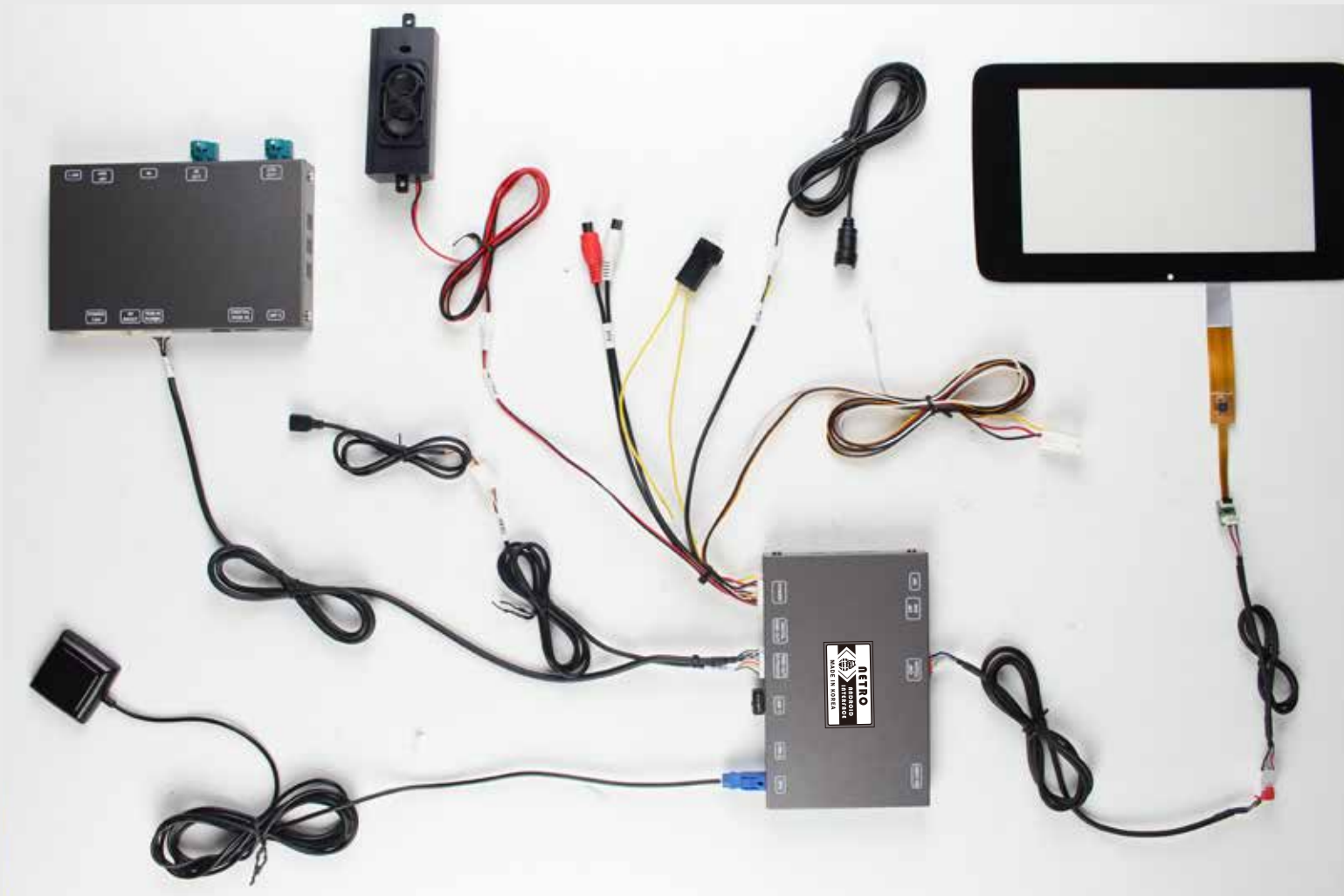## Capacitive touch with digital RGB output (LVDS) by HDMI cable
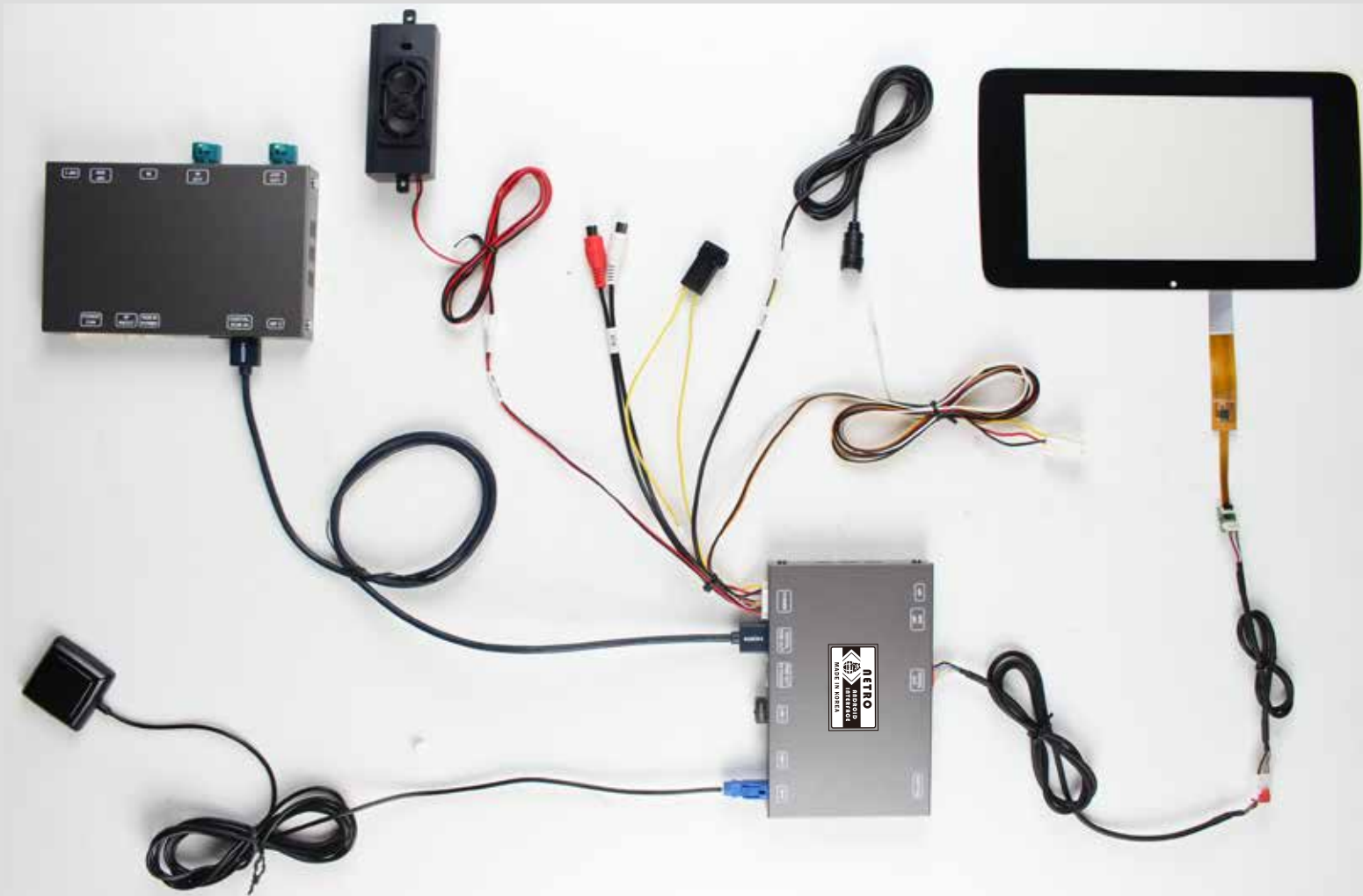
Installation

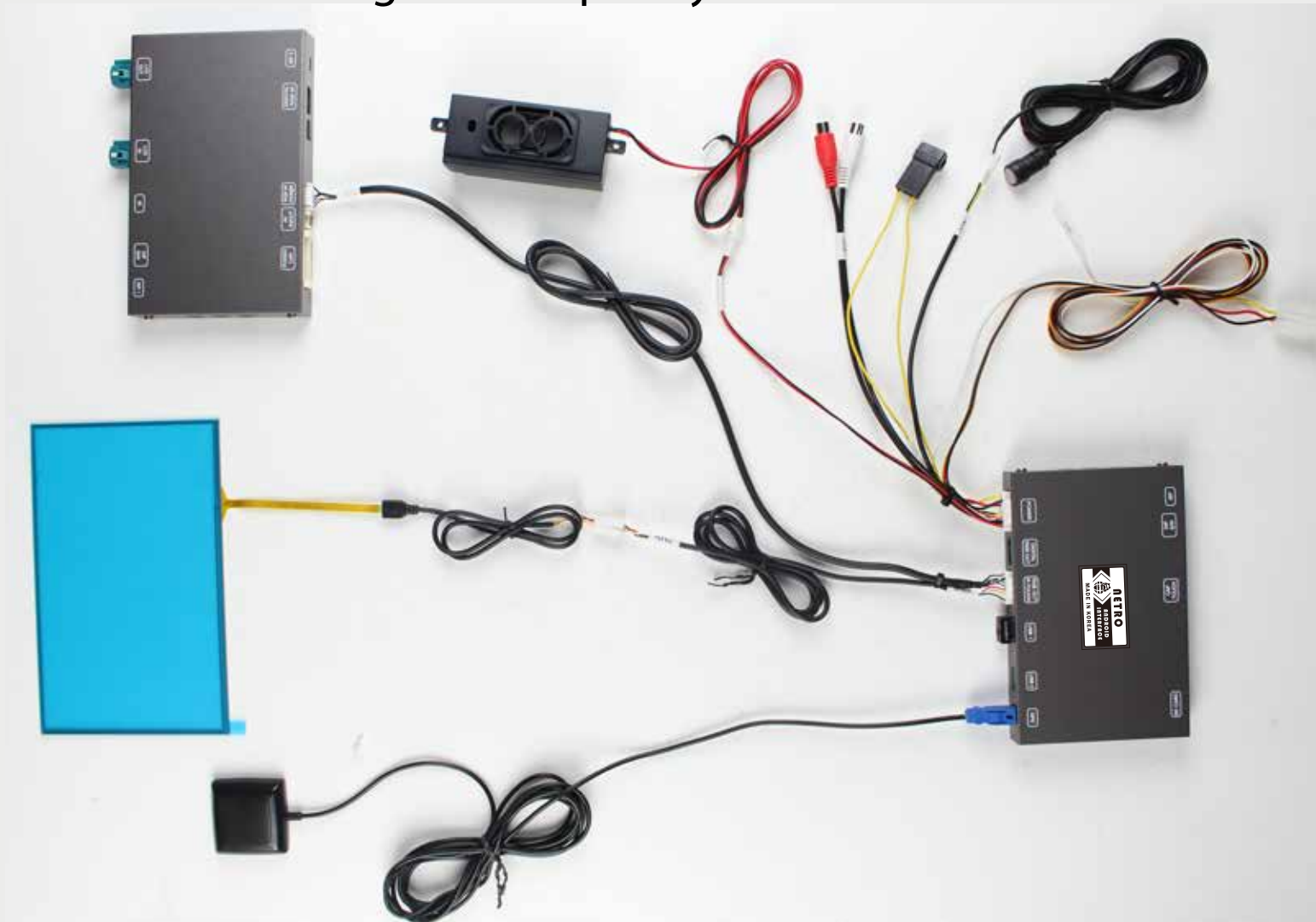Resistive touch with digital RGB output (LVDS) by HDMI cable

Installation

Capacitive touch with analog RGB output by RGB cable

Installation

Resistive touch with analog RGB output by RGB cable

NAVI	SP60A
SELECT	HD-G2
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER
1 2 3 4 5 6 7 8	Mar 28 2016

NAVI	AV	SET	INFO
NAVI-SEL		HD-G2	
NAVI-DSP			
HDMI-SEL			
HDMI-DSP			

NAVI	SP60A
SELECT	N700
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER
1 2 3 4 5 6 7 8	Mar 28 2016

NAVI	AV	SET	INFO
NAVI-SEL		N700	
NAVI-DSP			
HDMI-SEL			
HDMI-DSP			

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.
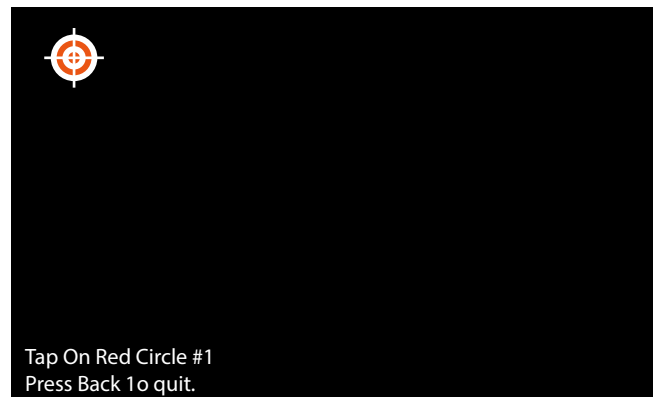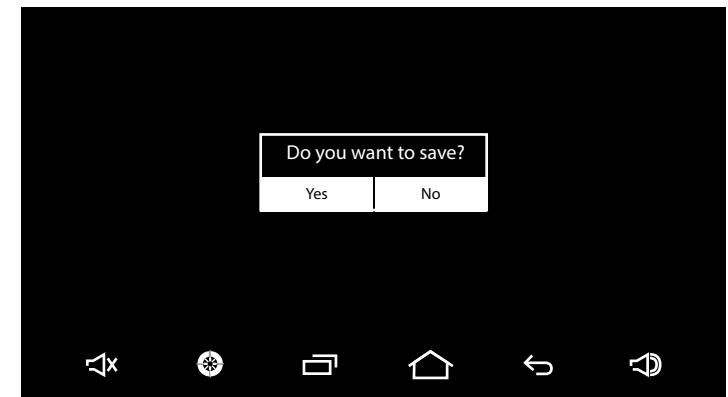
■ Navi Setting - ANALOG RGB
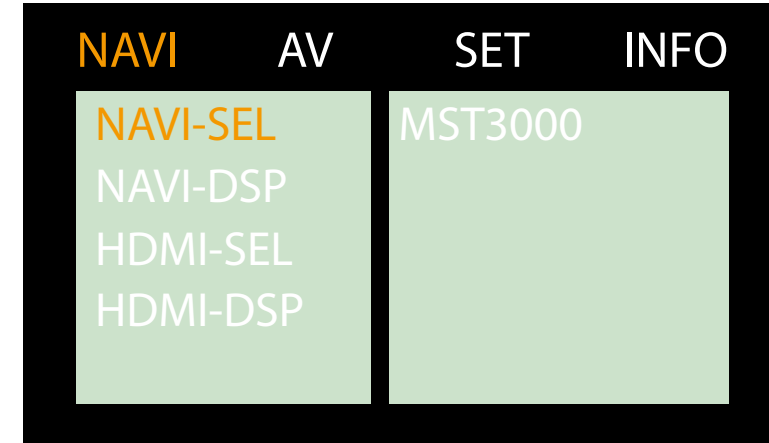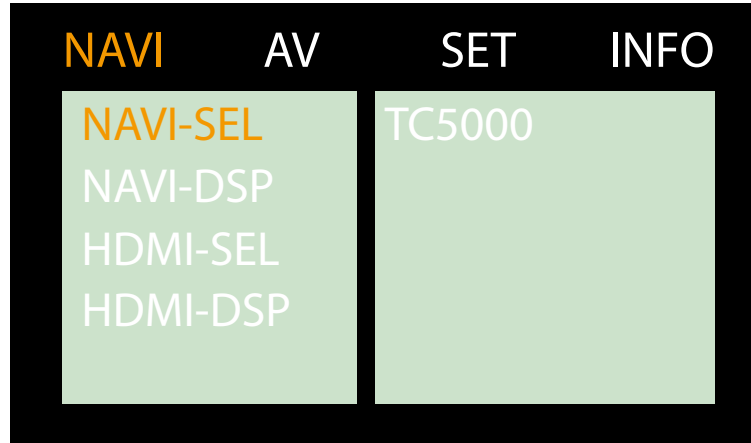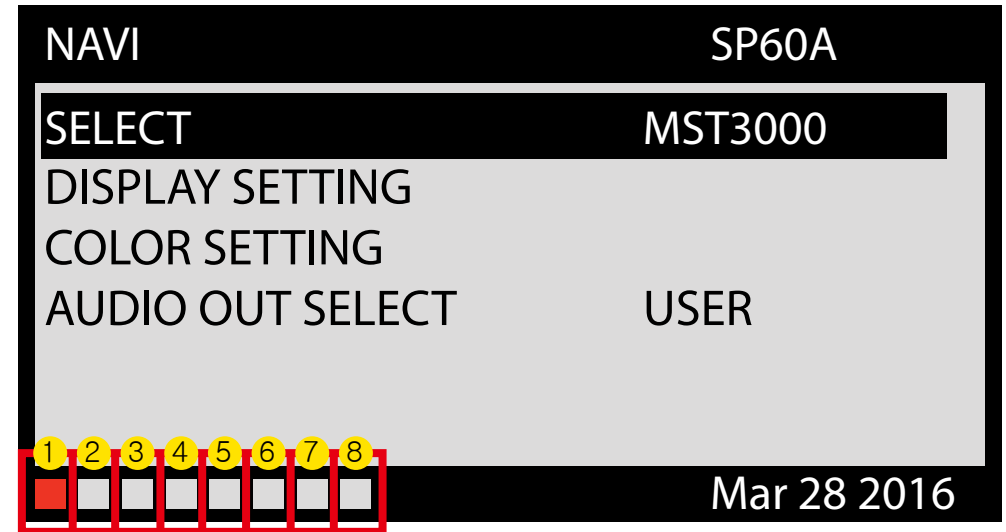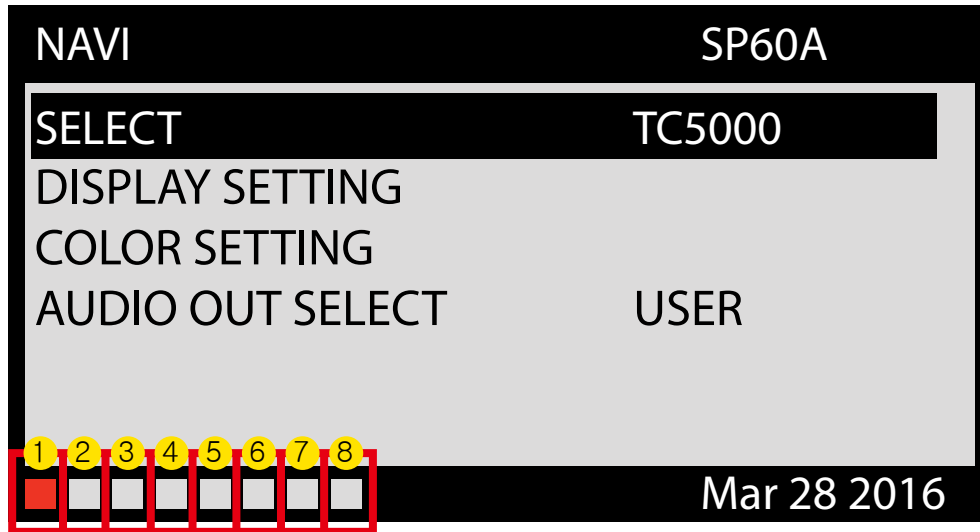
NAVI	SP60A
SELECT	TC5000
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER

1 2 3 4 5 6 7 8

Mar 28 2016

NAVI	SP60A
SELECT	MST3000
DISPLAY SETTING	
COLOR SETTING	
AUDIO OUT SELECT	USER

1 2 3 4 5 6 7 8

Mar 28 2016

NAVI	AV	SET	INFO
NAVI-SEL		TC5000	
NAVI-DSP			
HDMI-SEL			
HDMI-DSP			

NAVI	AV	SET	INFO
NAVI-SEL		MST3000	
NAVI-DSP			
HDMI-SEL			
HDMI-DSP			

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

Touch Screen Calibration:Please follow the steps carefully.

Touch the any screen to star the calibration.

Tap On Red Circle #1
Press Back 1o quit.

Do you want to save?

Yes | No
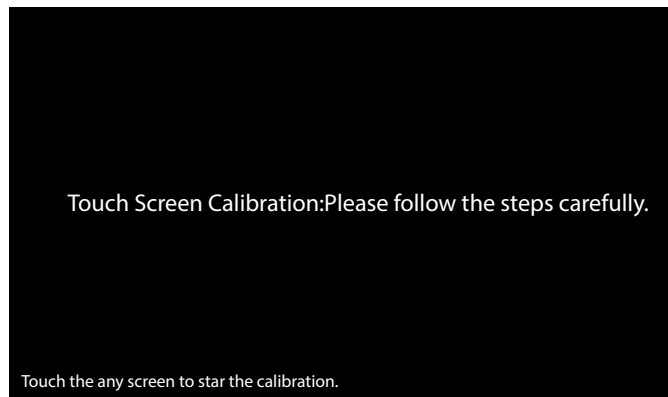
(1)   (2)   (3)

1. Please set dip switch 5 on(down), screen will enter into (1), and then please set dip switch 5 off.

2. Please press the cabibration points follow the steps carefully and correctly as above picture (2).

3. Please select "yes" after calibration.

■ Analog RGB Display Position Adjustment
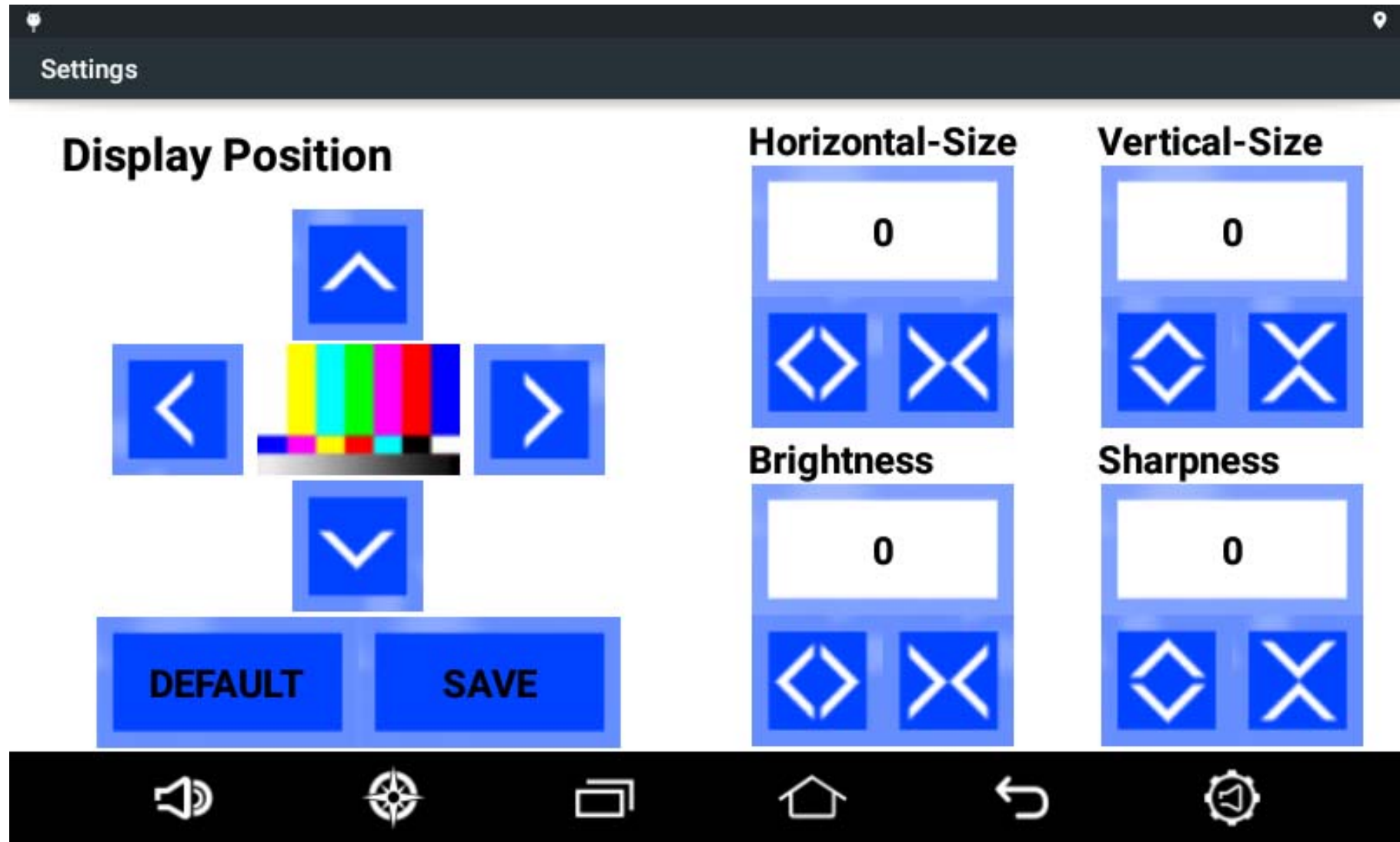
■ Booting Image Selections
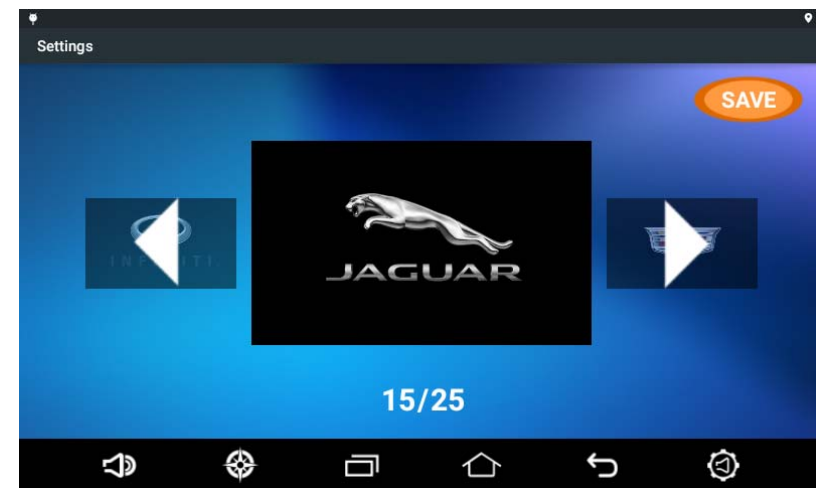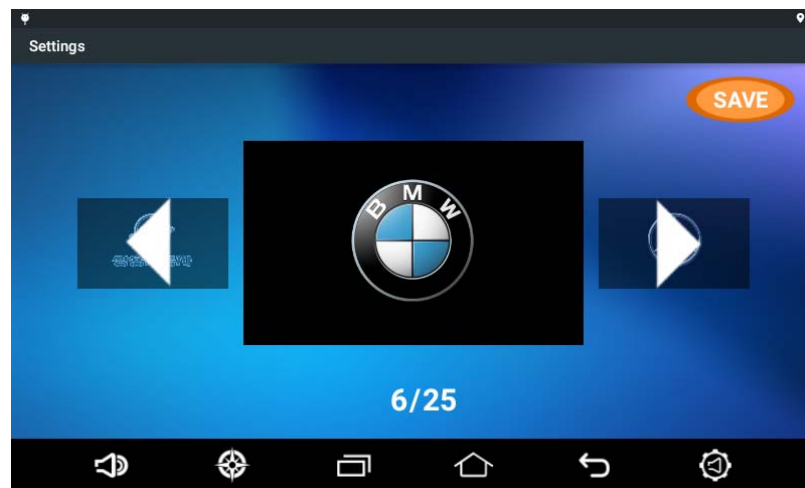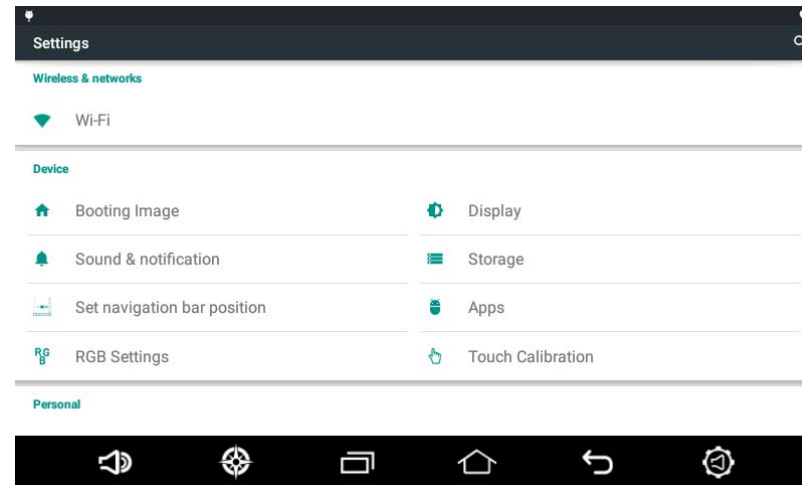
■ Navigation Bar Position Adjustment
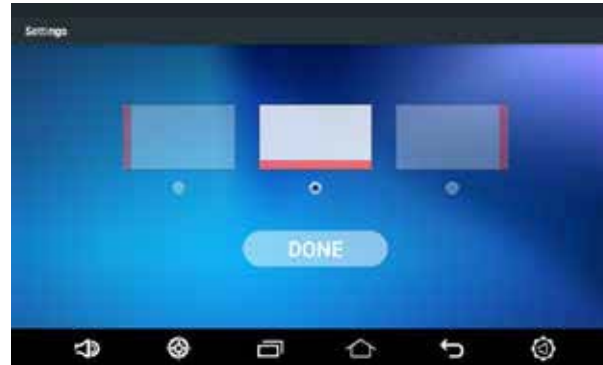
Please enter to SETTING of Android box to set navigation bar position as above images showed

Navigation Bar Position Adjustment
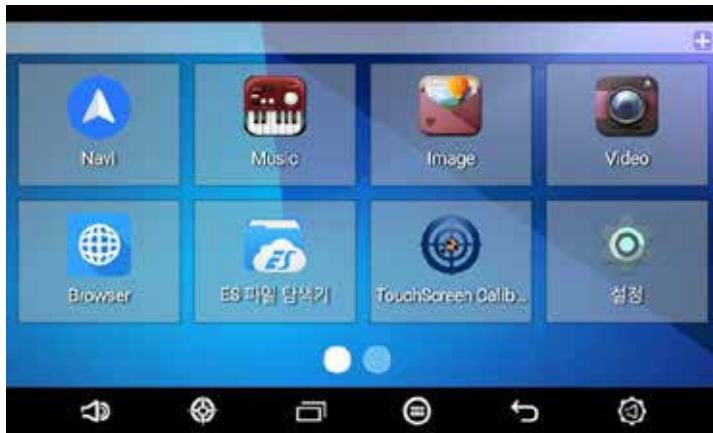
1. Switch to next/previous page by sliding touch to the left/right.
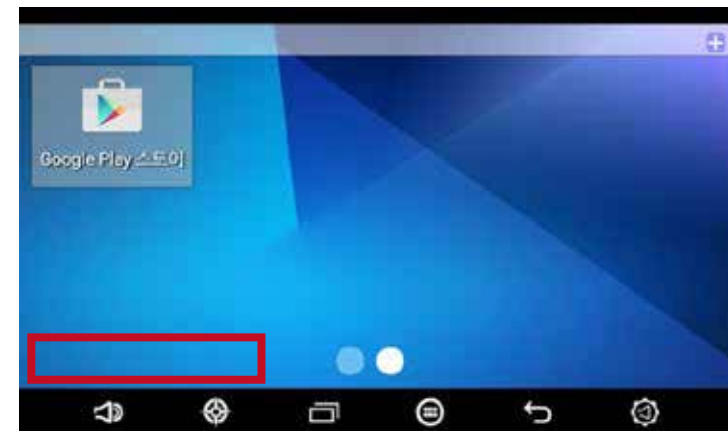
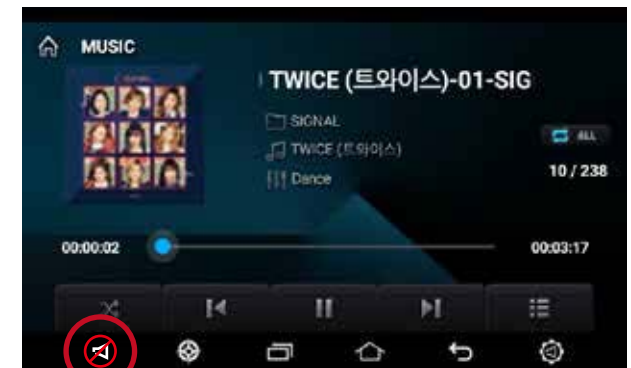2. Switch to next/previous page by touching above touch area

■ Sounds & Mute setting

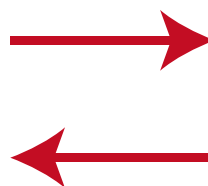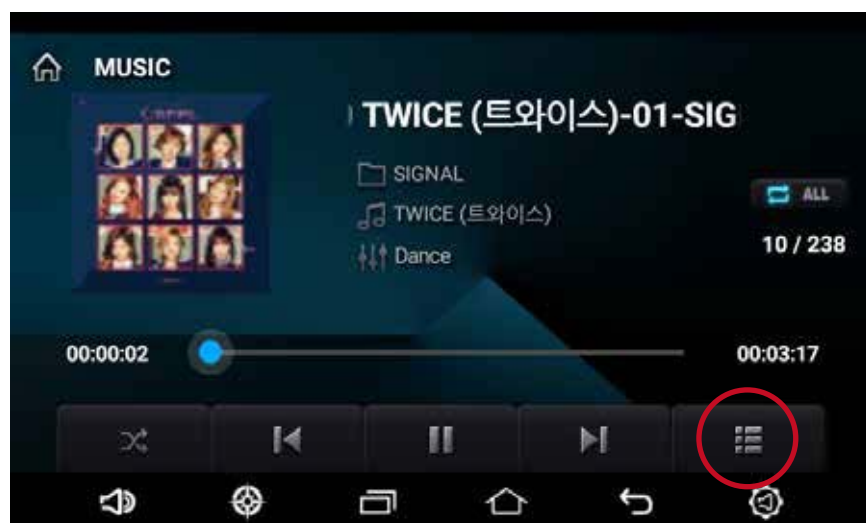Please press ⦿ to set volume +/- source of sound, and close the UI by pressing "close".
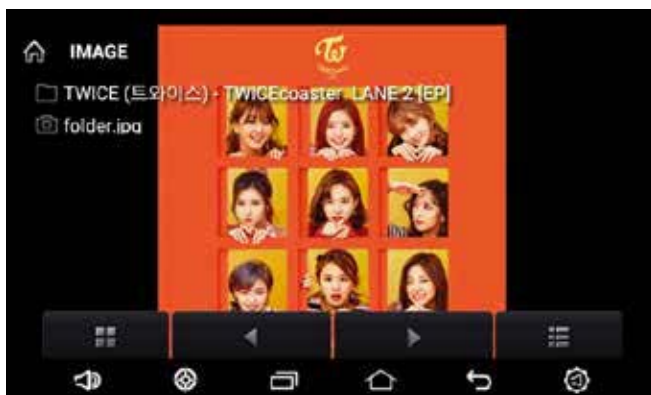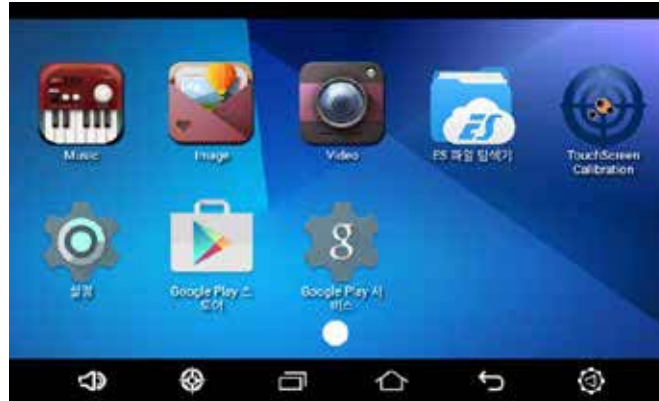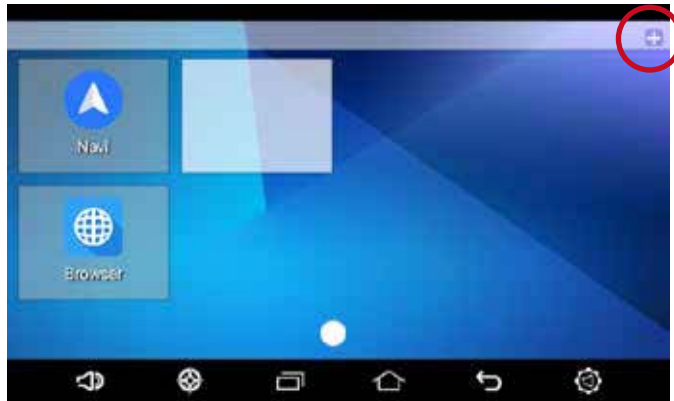

Voiced

Mute

■ Music player

Video Player
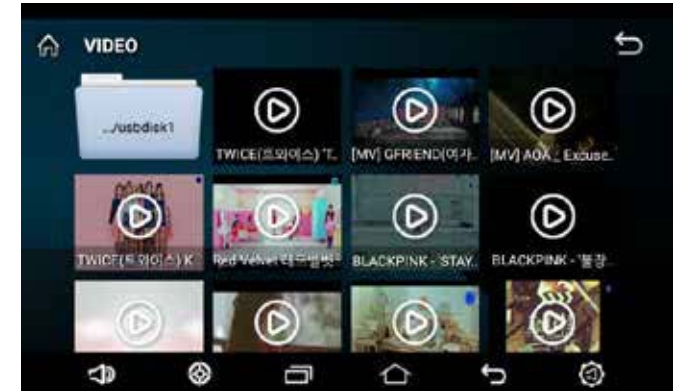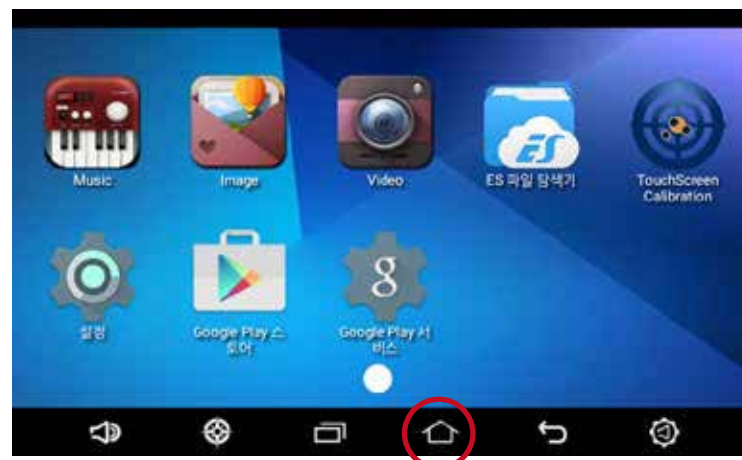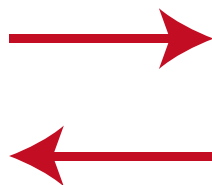
■ Image

■ App Adjuction/Delete on Main Screen

1. Please click icon "+" and select apps which you want to addonto main screen then it will appear on main screen .

2. 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.
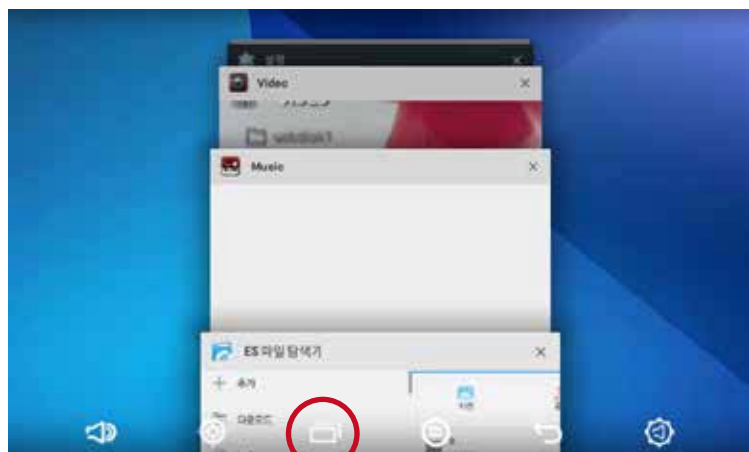
Function of Icons

Main Screen   Back

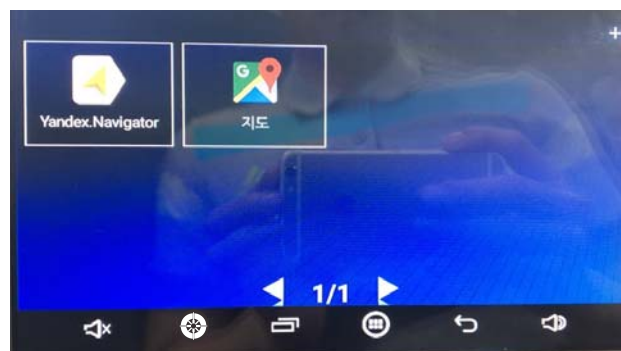App Screen

Multitaking

Mute   Sound
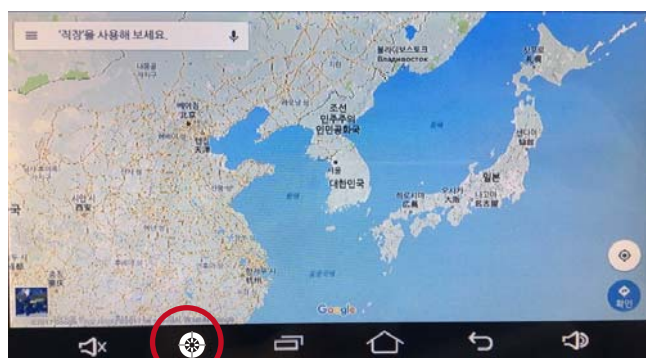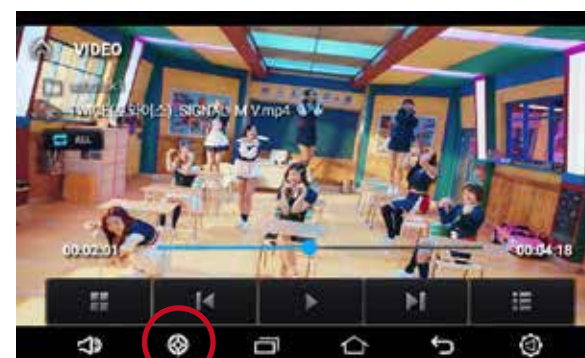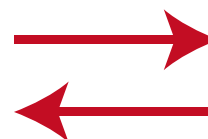
Function of Icons

(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 first, 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.