ALGIZ RT10

Manual

handheld

CONTENT

1. INTRODUCTION
## 1.1 Appearance of Algiz RT10
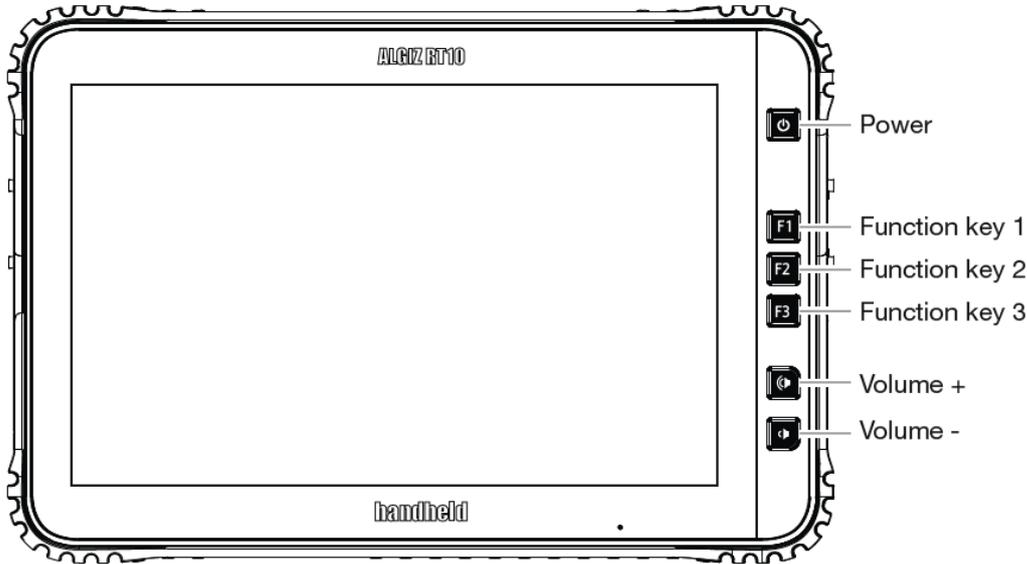

FIGURE 1-1 FRONT VIEW OF ALGIZ RT10
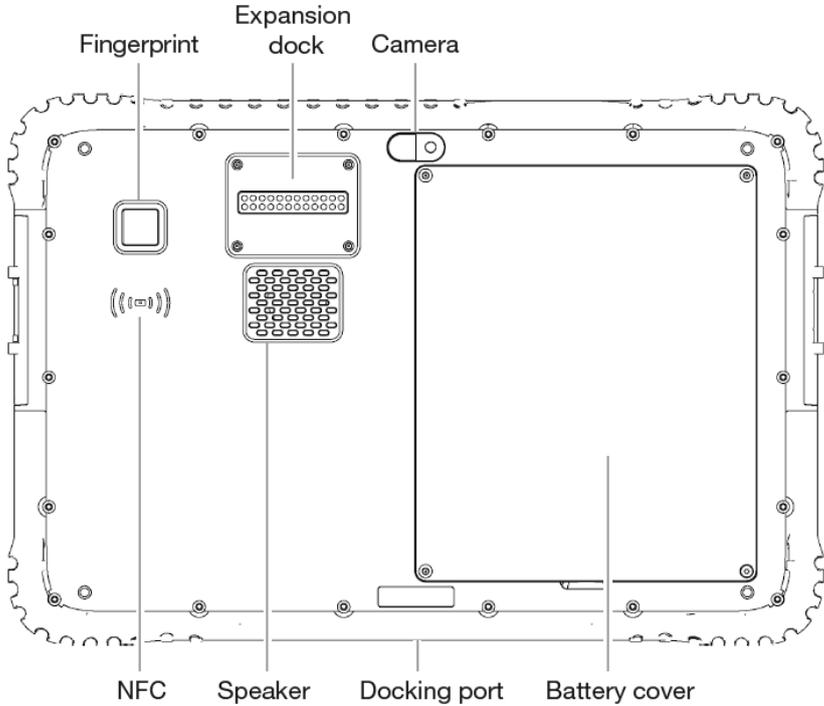
FIGURE 1-2 REAR VIEW OF ALGIZ RT10

1.2 Installing the Battery

1. Insert the battery
2. Push the battery lock to the close position
3. Attach the battery cover
4. Insert and tighten battery cover screws
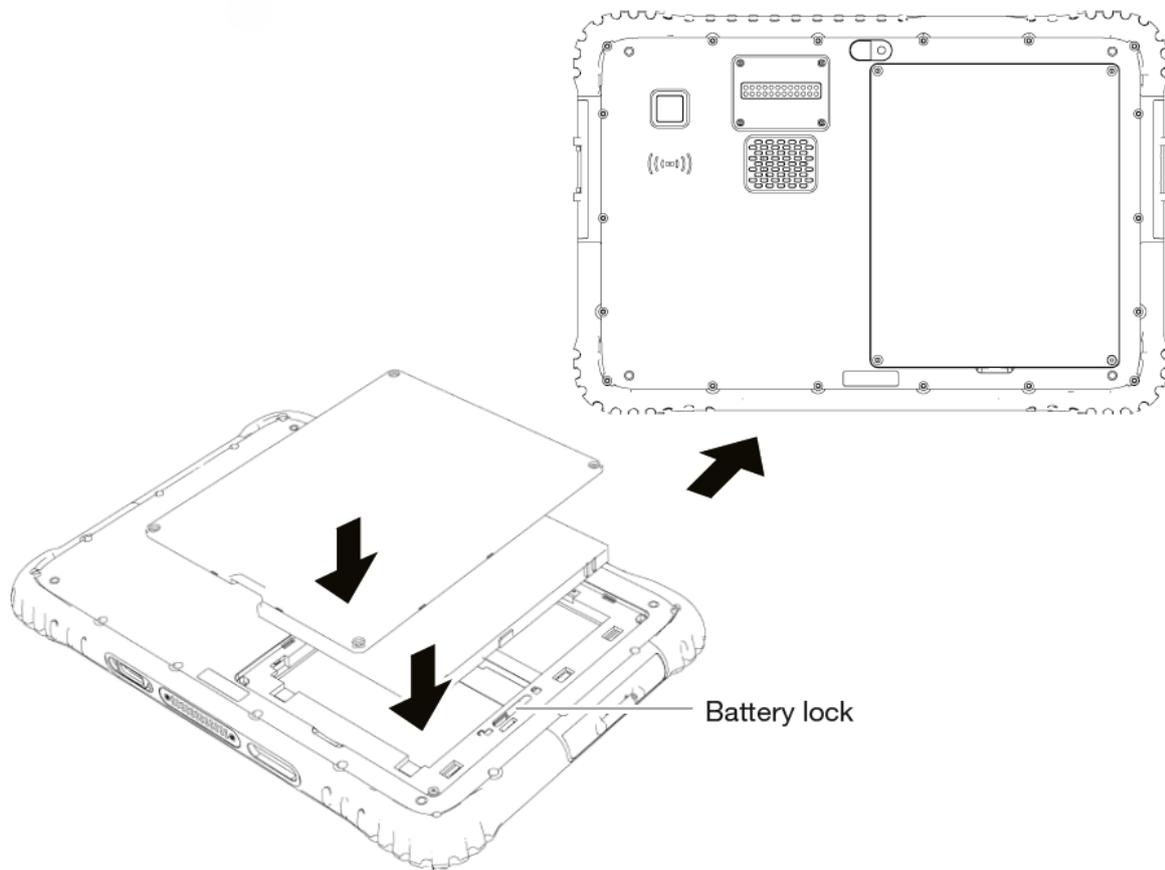
Battery lock

1.3 Removing the Battery

1. Power off the device before removing the battery
2. Remove battery cover screws
3. Detach the battery cover
4. Push the battery lock to the open position
5. Remove the battery

Battery lock
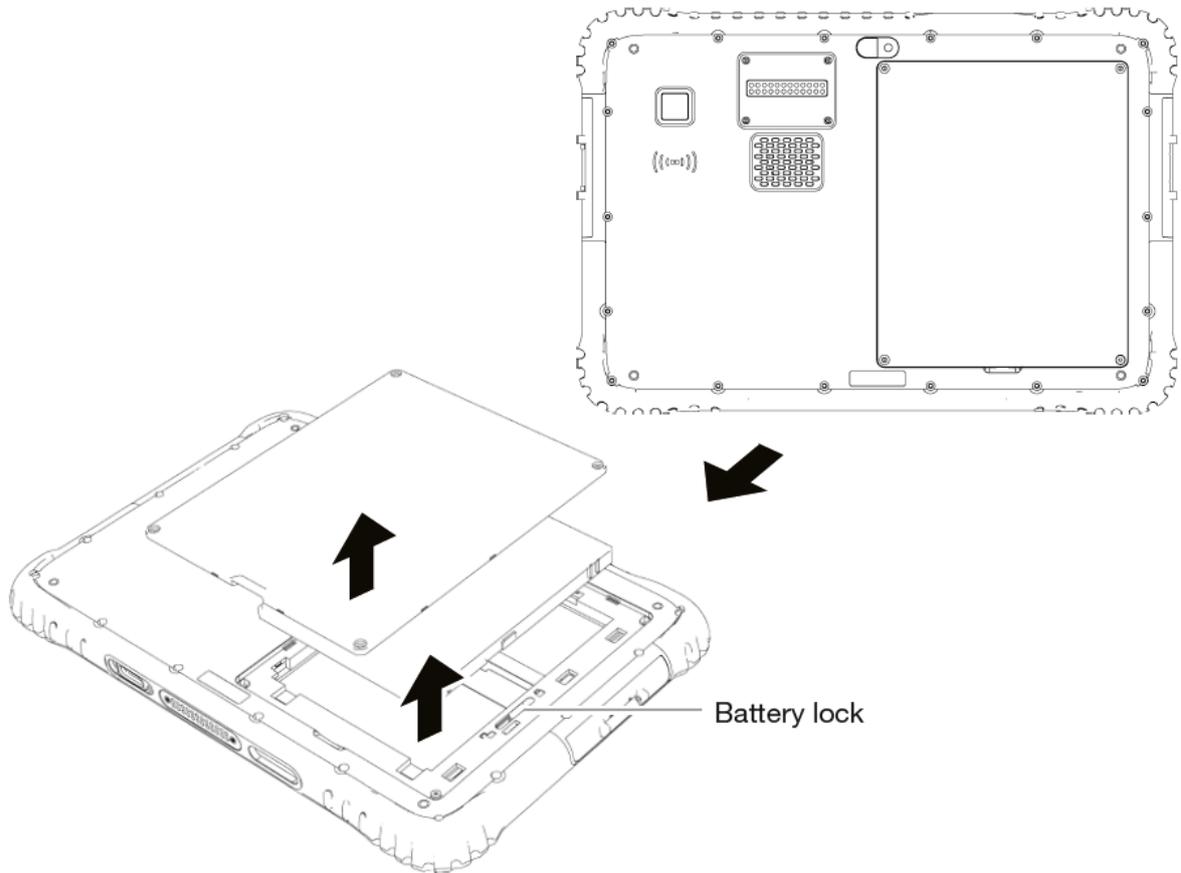
1.4 Installing a SIM/micro SD card

This is how you insert and remove the Nano SIM/micro SD.
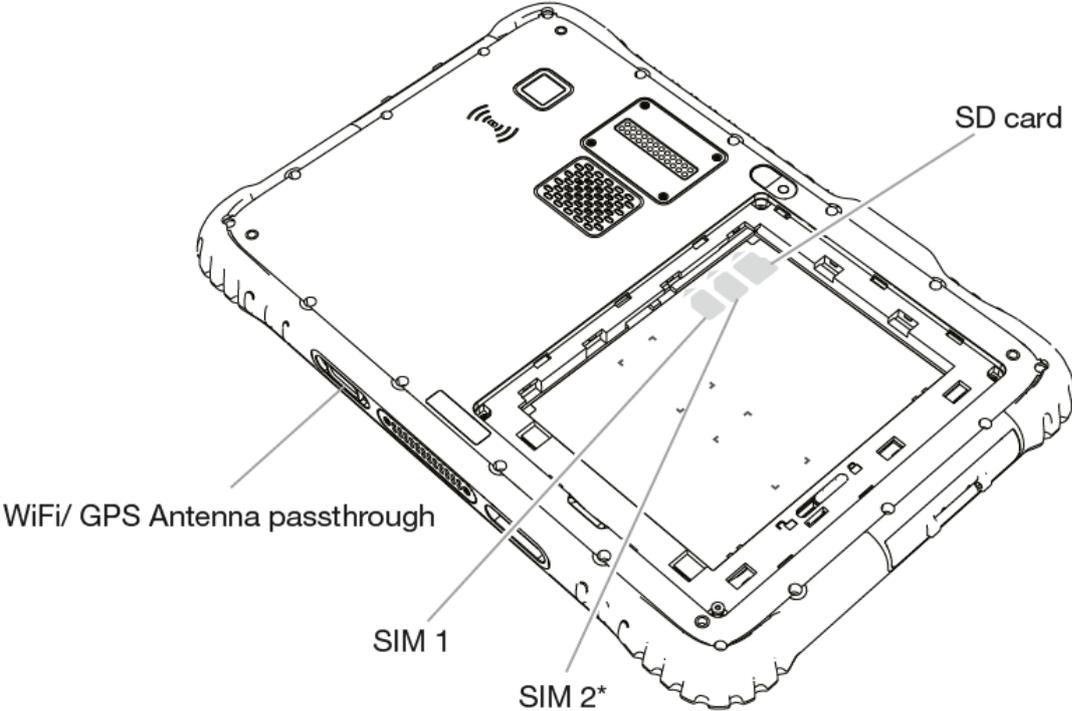
* SIM 2 only available on RT10-RF1-AXX models

2. POGO PIN DEFINITION

Expansion dock

Docking port

Expansion dock POGO PIN	Signal	Description
P1	5V_POGO	VCC_5V_OUT
P2	DP3_POGO	USB3_DP
P3	GND	GND
P4	NC	Keep floating
P5	GND	GND
P6	GND	GND
P7	CC2_POGO	charger cc
P8	NC	Keep floating
P9	NC	Keep floating
P10	NC	Keep floating
P11	UART_MSM_RX_3V3	3.3V Uart RX (Host RX)
P12	GND	GND
P13	5V_POGO	VCC_5V_OUT
P14	DM3_POGO	USB3_DM
P15	POGO_WAKE_AP	Detect
P16	NC	Keep floating
P17	VBUS_USB_IN_3	VBUS_IN
P18	VBUS_USB_IN_3	VBUS_IN
P19	NC	Keep floating
P20	NC	Keep floating
P21	NC	Keep floating
P22	NC	Keep floating
P23	UART_MSM_TX_3V3	3.3V Uart TX (Host TX)
P24	POGO_VCC_3V3	VCC_3.3V_OUT

| Docking port POGO PIN	Signal	Description
1	VBUS_USB_IN_2	VBus: charger
2	CC1_DOCK	charger cc
3	DP3_DOCK	OTG_USB2.0+
4	HPD_TX	HDMI HPD
5	TXNE_DS3_DOCK	OTG_USB3.0
6	RXN_DS3_DOCK	OTG_USB3.0
7	DDC_SDA	HDMI SDA
8	TYPEA_2_5V	HDMI POWER
9	TX_D2-_CON	HDMI signal
10	TX_D1-_CON	HDMI signal
11	TX_D0-_CON	HDMI signal
12	TX_C-_CON	HDMI signal
13	CEC_CON	HDMI CEC
14	5V_CON	SUB POWER
15	DM3_DOCK	OTG_USB-
16	GPIO31_INT	GPIO
17	TXPE_DS3_DOCK	OTG_USB3.0
18	RXP_DS3_DOCK	OTG_USB3.0
19	DDC_SCL	HDMI SCL
20	GND	GND
21	TX_D2+_CON	HDMI signal
22	TX_D1+_CON	HDMI signal
23	TX_D0+_CON	HDMI signal
24	TX_C+_CON	HDMI signal

# 3. ADVANCED FEATURES
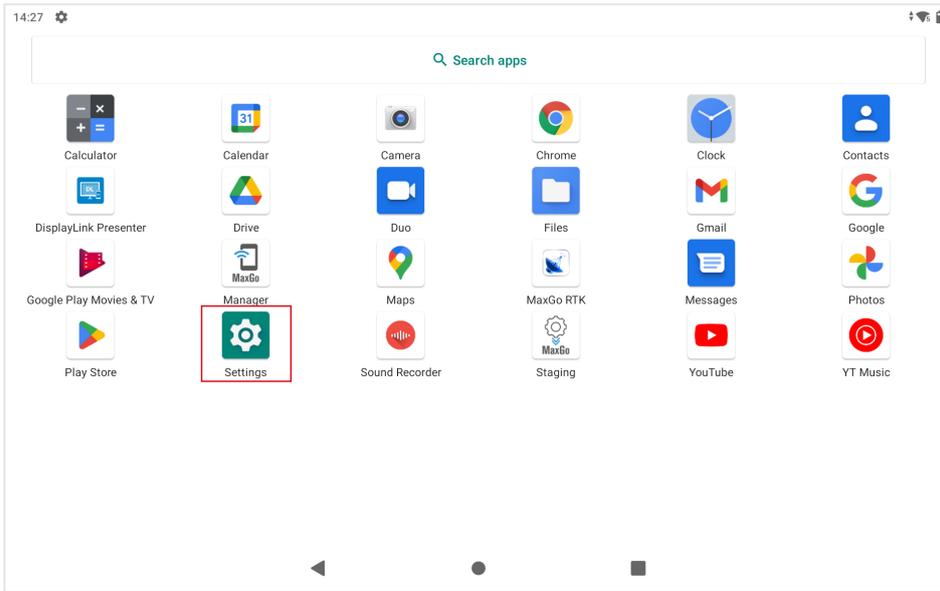
FIGURE 1
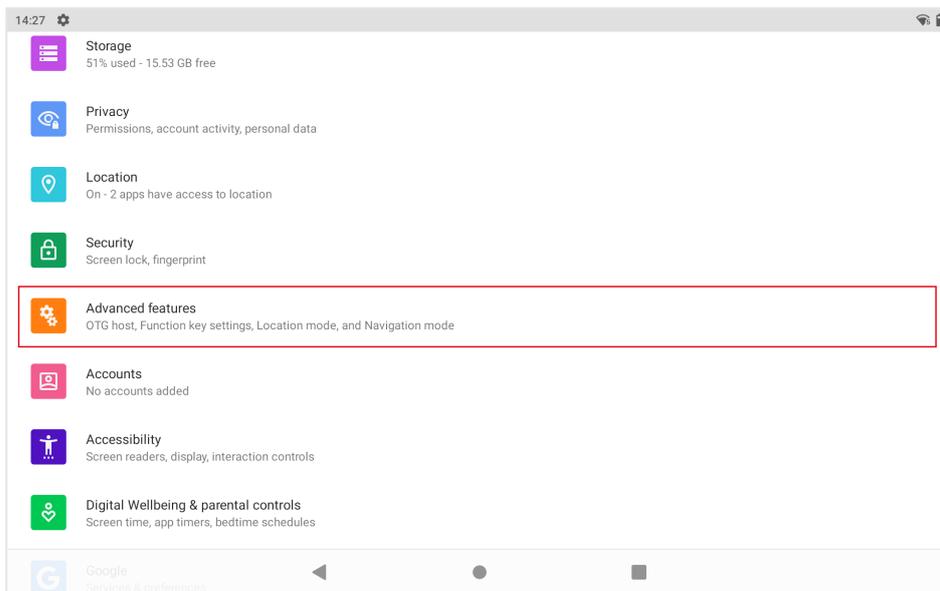
FIGURE 2

3.1. OTG Host

To enable OTG host, press the switch next OTG host.
Alternatively, open the quick settings panel and click on the OTG host icon.
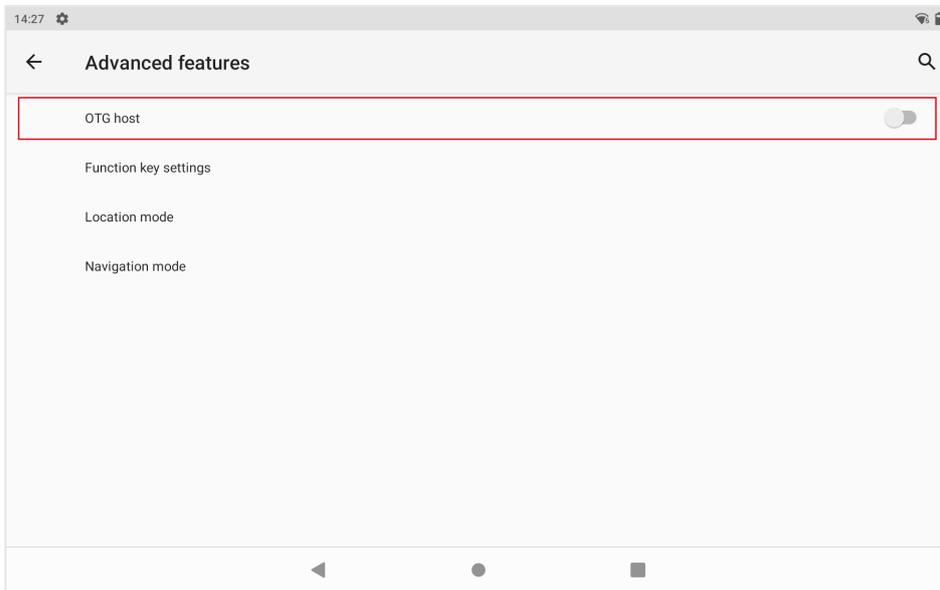

FIGURE 1
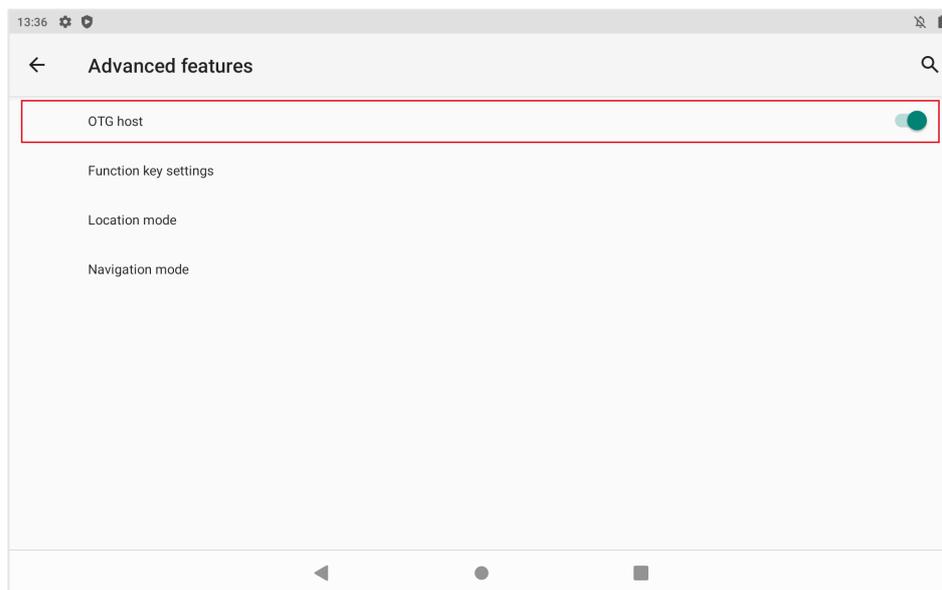
FIGURE 2
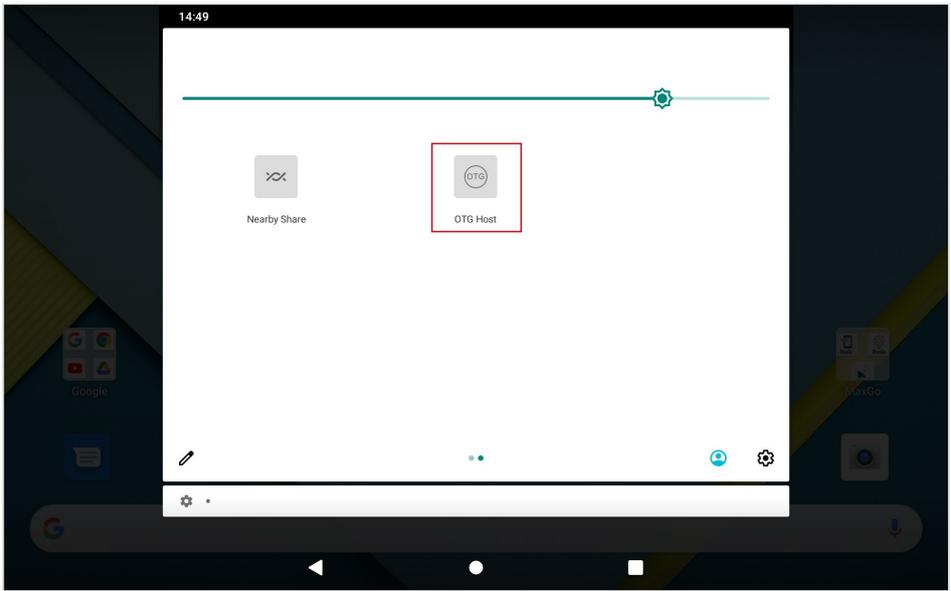
FIGURE 3

3.2 Function keys

To change the function of a hardware key, select which key you wish to change, then choose a new function in the list.
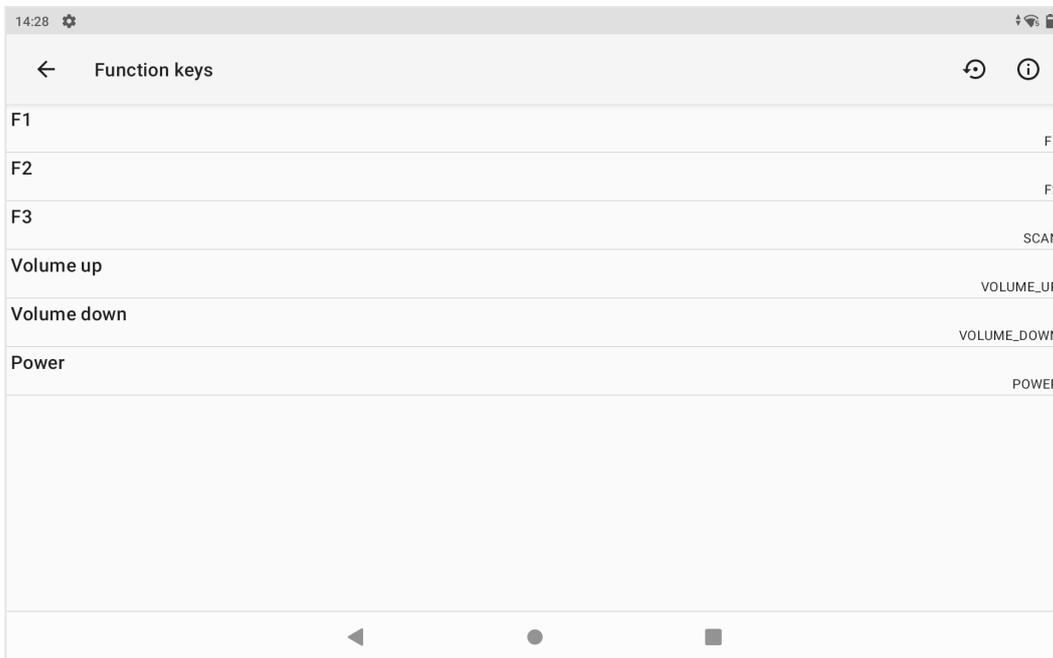
FIGURE 1
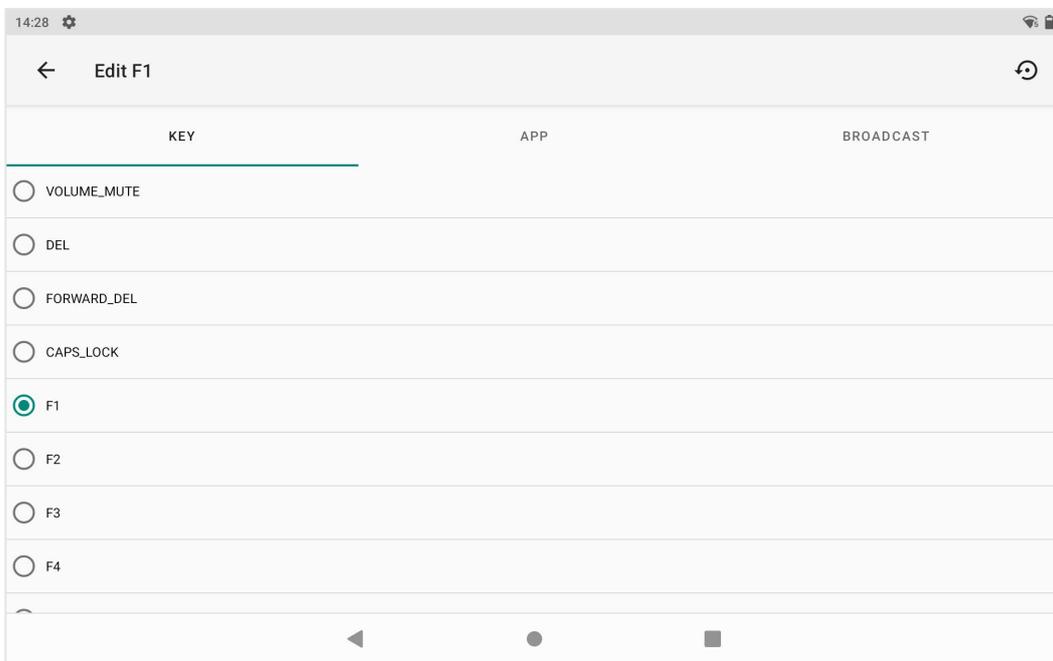

FIGURE 2

3.3 Location mode

Allows you to change which GNSS networks that shall be used by the GNSS module.
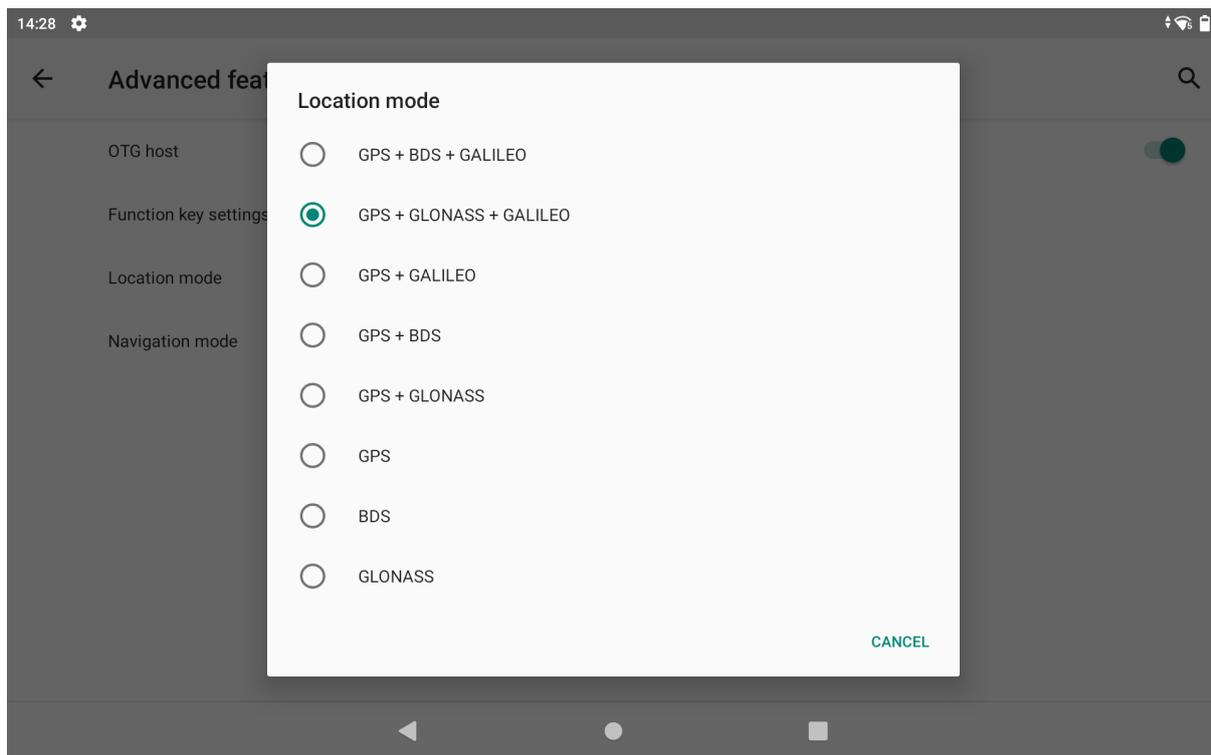
FIGURE 1

3.4 Navigation mode

Allows you to optimize the GNSS signal for different scenarios.
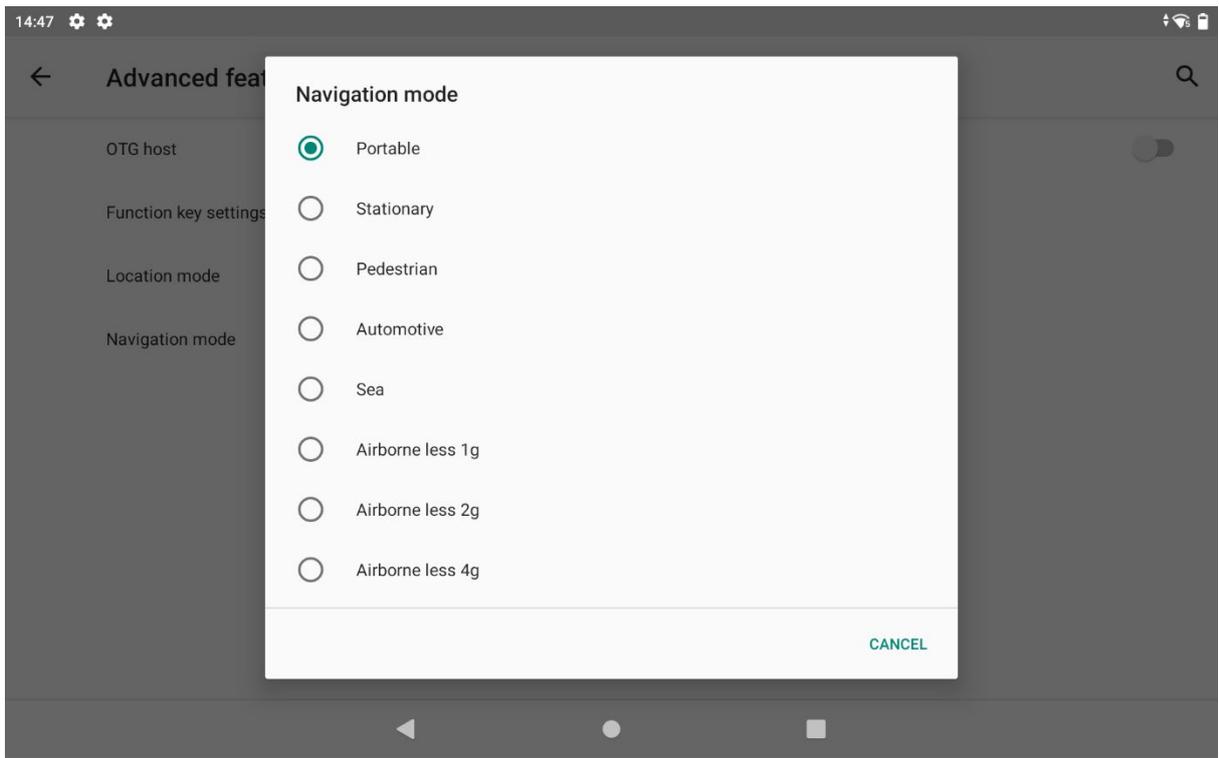

FIGURE 1

NOTICE:

Working Temperature: -20°C ~ +60°C

Storage Temperature: -40°C ~ +70°C

Charging mode need to operate indoors, please pay attention to the environment temperature should be 0℃ ~ +45℃

CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

Hereby, [Handheld Group AB] declares that the radio equipment type.

[ALGIZ RT10] is in compliance with Directive 2014 / 53 /EU.

The full text of the EU declaration of conformity is available at the following internet address:

www.handheldgroup.com

This device complies with Part 22 & 24 and Part 27 of the FCC Rules.

SAR INFORMATION

The SAR limit of FCC and ISED is 1.6 W/kg averaged over one gram of tissue. Device types ALGIZ RT10 (FCC ID:YY3-118208 and IC: 11695A-118208) has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for use on the body is 1.459W/Kg. This device was tested for typical body -worn operations with the back of the handset kept 0 cm from the body. To maintain compliance with FCC and ISED RF exposure requirements, use accessories that maintain a 0 cm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC and ISED RF exposure requirements and should be avoided.

NOTICE:

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause

undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NOTICE:

Changes or modifications made to this equipment not expressly approved by Handheld Group AB may void the FCC authorization to operate this equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installe d and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

NOTICE:

This Class [B] digital apparatus complies with Canadian ICES -003.

Cet appareil numérique de la classe [B] est conforme à la norme NMB - 003 du Canada.

RF mode and power tune-up refer to appendix A

Band and Mode	Output power
GSM850	32 dBm
EGSM900	32 dBm
DCS1800	29 dBm
PCS1900	29 dBm
CDMA BCO	21 dBm
WCDMA B1/B2/B5/B8	22 dBm
LTE B1/B2/B3/B4/B5/B7/B8/B12/B20/B28/B34/B38/B39/B40/B41	22 dBm
SUB-6 N1/N3/N28/N41/N78/N79	23 dBm
Wi-Fi 2.4G	19 dBm
Bluetooth 2.4G	19 dBm
Wi-Fi 5G	22 dBm
NFC 13.56MHz	59.03 dBuV/m