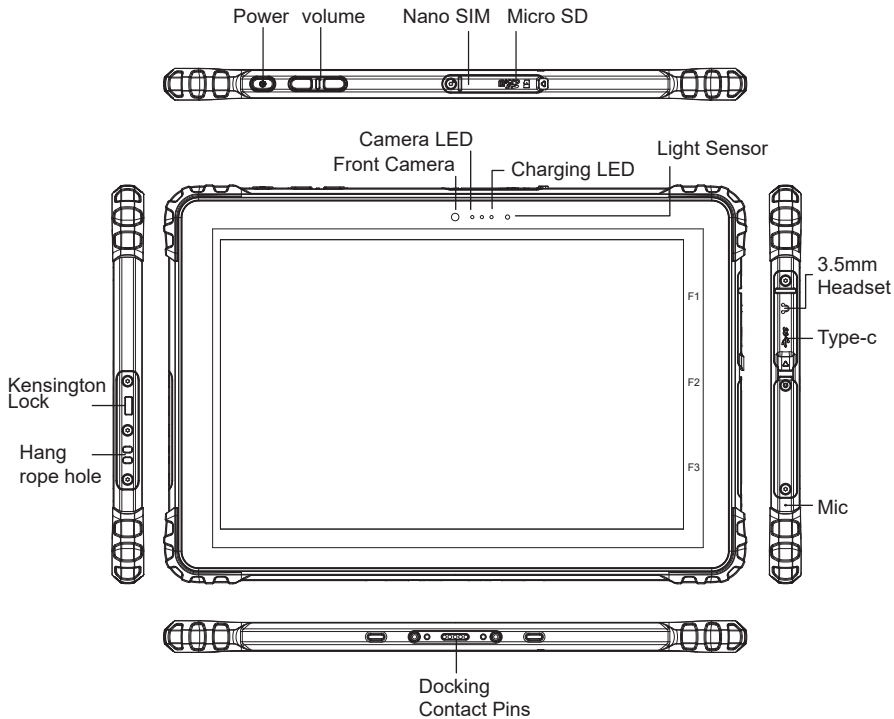


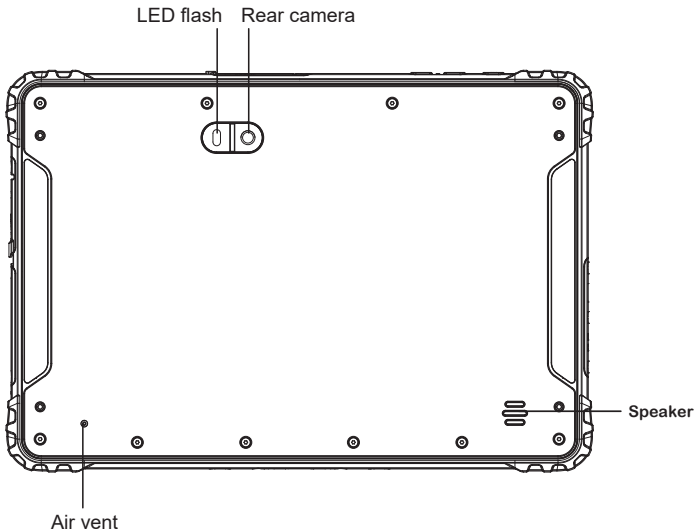
UniStrong

UT56

Quick Start Guide

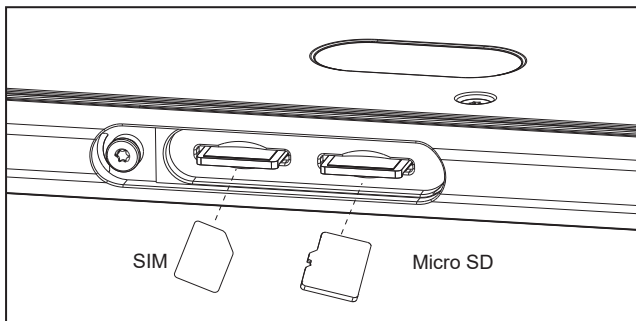
① Function introduction





② INSERT/REMOVE SD/SIM

Install or remove SD card as shown below



Notice

1. Some special places, such as airports, hospitals, gas stations and other places, do not allow the use of electronic equipment. Please comply with the rules and do not use this product in these places.
2. For your safety and the safety of others, please do not use this product while driving a vehicle.
3. In order to avoid potential safety problems, do not put this product near the vehicle's airbag.
4. For your safety, please do not use this product during thunderstorms.
5. Although this product is waterproof, do not leave this product for long periods of time in areas with water or moisture.
6. This product has an operating temperature range of $-10^{\circ}\text{C}\sim+55^{\circ}\text{C}$ and a storage temperature range of $-40^{\circ}\text{C}\sim+70^{\circ}\text{C}$. Extreme temperatures can affect the device's performance and service life.
7. Please use an original rechargeable lithium battery. Low-quality batteries will affect the performance and service life of the device, and may even have the danger of explosion.
8. Although the product has been tested to withstand harsh operating environments, do use the product in an improper manner.
9. Please do not disassemble this product. In case of failure, please send to our authorized service centres to proceed with repairs.
10. After the device has reached the end of its service life, please discard in a proper way to avoid environmental pollution.
11. When replacing the battery or during the use of an external power supply, shut down the device completely before removing the battery or disconnecting the external power supply to prevent damage.
12. This product is a Class B product, which may cause radio interference. The user may be required to take necessary preventive measures.

Battery Instructions

1. This product uses a rechargeable lithium battery as a power source. When the power is low, please charge the battery. To maintain battery life, it is recommended to deplete the battery's power before charging.
2. When the battery charger is not in use, please remove it from the power supply. Do not connect the charger to the battery for more than one week. Excessive charging will shorten the battery life.
3. Temperature affects the battery charging limit. Therefore, the battery may need to be cooled or warmed up before charging.
4. Please use the battery for its original intended purpose to prevent short-circuiting the battery. A short circuit will occur when a conductive material connects the battery's positive and negative terminals.
5. Do not use a battery that is damaged.
6. Placing the battery in extremely cold or hot places will lead to shortened battery life. Exposing the battery to extreme temperatures may cause the phone to malfunction, even if the battery is fully charged.
7. Do not put the battery in a fire. Please discard the battery in a proper manner or take the battery to a battery recycling station. Please dispose waste batteries in accordance with local laws and regulations.

Importer : **UniStrong APAC Pte Ltd**

51 Ubi Ave 1 #01-22 Paya Ubi Industrial Park Singapore 408933 +65 62968238

Manufacturer : Shenzhen UniStrong Science & Technology Co.,Ltd.

B Zone, No.4-4 Workshop Zhengcheng 2nd Road, Fuyong Street, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

NOTICE:

The SAR limit of Europe is 2.0 W/kg. Device types UT56 has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification when properly worn on the body is 0.534W/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 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 RF exposure requirements, and should be avoided.

Notice

This device is restricted to indoor use where operated in the European and USA.Canada Community using frequency in 5150MHz ~ 5250MHz to reduce the potential for interference. Restriction in BE, BG, CZ, DK,DE,EE,IE,EL,ES,FR,HR,IT,CY,LV,LT, LU,HU,MT,NL,AT,PL,PT,RO,SI,SK,FI,SE,UK.

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR
	HR	IT	CY	LV	LT	LU	HU	MT	NL	AT
	PL	PT	RO	SI	SK	FI	SE	UK		

Hereby, [Shenzhen UniStrong Science & Technology Co.,Ltd.] declares that the radio equipment type [UT56] is in compliance with Directive 2014 / 53 /EU.
The full text of the EU declaration of conformity is available at the following internet address:
<http://en.unistrong.com/declaration.html>

NOTICE:

The SAR limit of FCC and ISED is 1.6 W/kg averaged over one gram of tissue. Device types UT56 (FCC ID:2AOPD-UT56 and IC: 11546A-UT56) 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 1.041 W/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 Shenzhen UniStrong Science & Technology Co.,Ltd. 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 installed 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

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Normal Mode RF Power Range (GSM, WCDMA)

Mode	Range(dBm)
GPRS900 (1 Slot)	30.50-31.50
GPRS900 (2 Slots)	30.50-31.50
GPRS900 (3 Slots)	30.50-31.50
GPRS900 (4 Slots)	30.50-31.50
EGPRS (8PSK, 1-Slot)	22.00-22.50
EGPRS (8PSK, 2-Slots)	22.00-22.50
EGPRS (8PSK, 3-Slots)	22.00-22.50
EGPRS (8PSK, 4-Slots)	22.00-22.50
GPRS1800 (1 Slot)	26.00-27.00
GPRS1800 (2 Slots)	26.00-27.00
GPRS1800 (3 Slots)	26.00-27.00
GPRS1800 (4 Slots)	26.00-27.00
EGPRS (8PSK, 1-Slot)	21.00-22.00
EGPRS (8PSK, 2-Slots)	21.00-21.50
EGPRS (8PSK, 3-Slots)	20.00-21.00
EGPRS (8PSK, 4-Slots)	20.00-21.00
WCDMA Band 1 RMC	23.00-23.50
HSDPA Band 1	21.50-22.50
HSUPA Band 1	19.50-22.00
WCDMA Band 8 RMC	23.00-23.50
HSDPA Band 8	21.50-22.50
HSUPA Band 8	19.50-22.00

Normal Mode RF Power Range (LTE)

Mode	Bandwidth	RB	Modulation	Range(dBm)
LTE Band 1	20 MHz	1	QPSK	23.00-24.00
		50		22.00-22.50
		100		22.00-22.50
		1	16QAM	22.00-23.00
		50		21.00-21.50
		100		21.00-21.50
	15 MHz	1	QPSK	23.00-23.50
		36		22.00-22.50
		75		22.00-22.50
		1	16QAM	22.00-23.00
		36		21.00-21.50
		75		21.00-21.50
	10 MHz	1	QPSK	23.00-23.50
		25		22.00-22.50
		50		22.00-22.50
		1	16QAM	22.00-23.00
		25		21.00-21.50
		50		21.00-21.50
	5 MHz	1	QPSK	23.00-23.50
		12		22.00-22.50
		25		22.00-22.50
		1	16QAM	22.00-23.00
		12		21.00-21.50
		25		21.00-21.50

Mode	Bandwidth	RB	Modulation	Range(dBm)
LTE Band 3	20 MHz	1	QPSK	24.00-25.00
		50		23.00-24.00
		100		23.00-24.00
		1	16QAM	23.50-24.50
		50		22.00-23.00

		100		22.00-23.00
15 MHz	QPSK	1	QPSK	24.00-25.00
		36		23.00-24.00
		75		23.00-24.00
	16QAM	1	16QAM	23.00-24.00
		36		22.00-23.00
		75		22.00-23.00
10 MHz	QPSK	1	QPSK	24.00-25.00
		25		23.00-24.00
		50		23.00-24.00
	16QAM	1	16QAM	23.00-24.10
		25		22.00-23.00
		50		22.00-23.00
5 MHz	QPSK	1	QPSK	24.00-25.00
		12		23.00-24.00
		25		23.00-24.00
	16QAM	1	16QAM	23.00-24.10
		12		22.00-23.00
		25		22.00-23.00
3 MHz	QPSK	1	QPSK	24.00-25.00
		8		23.00-24.00
		15		23.00-24.00
	16QAM	1	16QAM	23.00-24.00
		8		22.00-23.00
		15		22.00-23.00
1.4 MHz	QPSK	1	QPSK	24.00-25.00
		3		23.00-24.00
		6		23.00-24.00
	16QAM	1	16QAM	23.00-24.00
		3		22.00-23.00
		6		22.00-23.00

Mode	Bandwidth	RB	Modulation	Range(dBm)
LTE Band 7	20 MHz	1	QPSK	23.00-24.50
		50		22.00-23.00
		100		22.00-23.00
		1	16QAM	22.50-23.50
		50		21.00-22.00
		100		21.00-22.00
	15 MHz	1	QPSK	23.00-24.00
		36		22.00-23.00
		75		22.00-23.00
		1	16QAM	22.00-23.00
		36		21.00-22.00
		75		21.00-22.00
	10 MHz	1	QPSK	23.00-24.00
		25		22.00-23.00
		50		22.00-23.00
		1	16QAM	22.00-23.00
		25		21.00-22.00
		50		21.00-22.00
	5 MHz	1	QPSK	23.00-24.00
		12		22.00-23.00
		25		22.00-23.00
		1	16QAM	22.00-23.10
		12		21.00-22.00
		25		21.00-22.00

Mode	Bandwidth	RB	Modulation	Range(dBm)
LTE Band 8	10 MHz	1	QPSK	23.00-24.00
		25		22.00-23.00
		50		22.00-23.00
		1	16QAM	22.00-23.00
		25		21.00-22.00
		50		21.00-22.00
	5 MHz	1	QPSK	23.00-24.00

		12	16QAM	22.00-23.00
		25		22.00-23.00
		1		22.00-23.00
		12		21.00-22.00
		25		21.00-22.00
	3 MHz	1	QPSK	23.00-24.00
		8		22.00-23.00
		15		22.00-23.00
		1	16QAM	22.00-23.00
		8		21.00-22.00
		15		21.00-22.00
	1.4 MHz	1	QPSK	23.00-24.00
		3		22.00-23.00
		6		22.00-23.00
		1	16QAM	22.00-23.00
		3		21.00-22.00
		6		21.00-22.00

Mode	Bandwidth	RB	Modulation	Range(dBm)
LTE Band 20	20 MHz	1	QPSK	24.00-25.00
		50		23.00-24.00
		100		23.00-24.00
		1	16QAM	23.50-24.50
		50		22.00-23.00
		100		22.00-23.00
	15 MHz	1	QPSK	24.00-25.00
		36		23.00-24.00
		75		23.00-24.00
		1	16QAM	23.00-24.00
		36		22.00-23.00
		75		22.00-23.00
	10 MHz	1	QPSK	24.00-25.00
		25		23.00-24.00
		50		23.00-24.00

		1	16QAM	23.00-24.00	
		25		22.00-23.00	
		50		22.00-23.00	
	5 MHz		1	QPSK	24.00-25.00
			12		23.00-24.00
			25		23.00-24.00
			16QAM	1	23.00-24.10
				12	22.00-23.00
				25	22.00-23.00

Mode	Bandwidth	RB	Modulation	Range(dBm)
LTE Band 28	20 MHz	1	QPSK	23.00-24.00
		50		22.00-23.00
		100		22.00-23.00
		1	16QAM	22.00-23.00
		50		21.00-22.00
		100		21.00-22.00
	15 MHz	QPSK	1	23.00-24.00
			36	22.00-23.00
			75	22.00-23.00
		16QAM	1	22.00-23.00
			36	21.00-22.00
			75	21.00-22.00
	10 MHz	QPSK	1	23.00-24.00
			25	22.00-23.00
			50	22.00-23.00
		16QAM	1	22.00-23.00
			25	21.00-22.00
			50	21.00-22.00
	5 MHz	QPSK	1	23.00-24.00
			12	22.00-23.00
			25	22.00-23.00
		16QAM	1	22.00-23.00
			12	21.00-22.00

		25		21.00-22.00
	3 MHz	1	QPSK	23.00-24.00
		8		22.00-23.00
		15		22.00-23.00
		1	16QAM	22.00-23.00
		8		21.00-22.00
		15		21.00-22.00

Mode	Bandwidth	RB	Modulation	Range(dBm)
LTE Band 38	20 MHz	1	QPSK	22.50-23.50
		50		21.50-22.50
		100		21.50-22.50
		1	16QAM	22.00-23.00
		50		20.50-21.50
		100		20.50-21.50
	15 MHz	1	QPSK	22.50-23.50
		36		21.50-22.50
		75		21.50-22.50
		1	16QAM	22.00-23.00
		36		20.50-21.50
		75		20.50-21.50
	10 MHz	1	QPSK	22.50-23.50
		25		21.50-22.50
		50		21.50-22.50
		1	16QAM	22.00-23.00
		25		20.50-21.50
		50		20.50-21.50
	5 MHz	1	QPSK	22.50-23.50
		12		21.50-22.50
		25		21.50-22.50
		1	16QAM	22.00-23.00
		12		20.50-21.50
		25		20.50-21.50

Mode	Bandwidth	RB	Modulation	Range(dBm)
LTE Band 40	20 MHz	1	QPSK	24.00-25.00
		50		23.00-24.00
		100		23.00-24.00
		1	16QAM	23.50-24.00
		50		22.00-23.00
		100		22.00-23.00
	15 MHz	1	QPSK	24.00-25.00
		36		23.00-24.00
		75		23.00-24.00
		1	16QAM	23.50-24.10
		36		22.00-23.00
		75		22.00-23.00
	10 MHz	1	QPSK	24.00-25.00
		25		23.00-24.00
		50		23.00-24.00
		1	16QAM	23.50-24.20
		25		22.00-23.00
		50		22.00-23.00
	5 MHz	1	QPSK	24.00-25.00
		12		23.00-24.00
		25		23.00-24.00
		1	16QAM	23.50-24.00
		12		22.00-23.00
		25		22.00-23.00

Normal Mode RF Power Range (WLAN/Bluetooth)

Band (GHz)	Mode	Range(dBm)
WIFI 2.4G (2.4~2.4835)	802.11b	11.50-12.50
	802.11g	10.00-11.50
	802.11n(HT20)	10.00-11.50
	802.11n(HT40)	10.00-11.70

Band (GHz)	Mode	Range(dBm)
WIFI 5.2 G (5.15~5.25)	802.11a	10.00-11.00
	802.11n(HT20)	10.50-11.50
	802.11ac(VHT20)	10.00-11.00
	802.11n(HT40)	10.00-10.70
	802.11ac(VHT40)	10.00-10.70
	802.11ac(VHT80)	10.00-10.60
WIFI 5.8G (5.725~5.850)	802.11a	10.00-11.00
	802.11n(HT20)	10.50-11.00
	802.11ac(VHT20)	10.00-11.00
	802.11n(HT40)	10.50-11.00
	802.11ac(VHT40)	10.50-11.00
	802.11ac(VHT80)	10.50-11.00

Band (GHz)	Mode	Range(dBm)
Bluetooth (2.4~2.4835)	GFSK	3.00-6.00
	$\pi/4$ -DQPSK	2.50-5.50
	8-DPSK	2.50-5.50
	BLE	(-9.45)- (-3.00)