

GT-500BC

User Manual

GT-500BC Overview

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- ▶ Rechargeable Li-ion Polymer battery
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GT-500BC Specifications

Display	
LCD Size	5" diagonal
Max. Resolution	1280 px (H) x 720 px (W)
Brightness	500 cd/m2
Touch Screen	5-point PCT
System	
Chipset	MT2635 (Quad-Core ARM Cortex-A53 1.0 GHz CPU)
Operating System	Android 6.0
Memory	3 GB LPDDR2
Storage	32 GB eMMC
Audio	1x microphone
	1x speaker
	1x 3.5 mm stereo phone jack
Haptic	1x vibration motor
Wireless	
Wireless LAN	802.11 a/b/g/n
Bluetooth	4.1 dual-mode
GPS/Assisted GPS (AGPS)	Yes
NFC	ISO 14443A/B ISO 18092
Sensors	
Camera	5M front 13M rear
Magnetometer	Yes
Accelerometer	Yes
Gyroscope	Yes
Pressure Sensor	Yes
Fingerprint sensor	Yes

GT-500BC Specifications

Wired I/O

SD Slot	1x microSD
Buttons	Power
	Volume up
	Volume down
	Trigger left
	Trigger right
Pogo Pin USB + GPIO	10 pin connector

Battery

Capacity	4800 mAh nominal
Charging Time	4 hr typical
Field Replaceable	Yes

Mechanical

Net Weight	no more than 500 g (with battery)
Dimensions	165.8 mm (H) x 86 mm (W) x 27 mm (D)

Environmental and Safety

Operating Temperature	-10°C to +55°C
Operating Humidity	5% to 95% RH
Storage Temperature	-20°C to +60°C
Storage Humidity	5% to 95% RH
Ingress Protection	IEC 60529 IP65
Anti-Microbial Coating	No
External Metal Surfaces	>1000 MΩ DC to circuit ground
Biocompatibility	Meets FDA requirements on use of ISO 10993-1 for intended use of device;

Battery Installation

Step 1:

Put the battery back to the slot and make it fixed.



Step 2:

Put the cover back and make sure that it is closed.



Step 3:

Use the flathead screwdriver to tighten the two screws to ensure the waterproof performance.



Manufacturer's declaration-electromagnetic emissions		
<p>The <u>GT-500BC1</u> is intended for use in the electromagnetic environment (for home healthcare) specified below.</p> <p>The customer or the user of the <u>GT-500BC1</u> should assure that it is used in such an environment.</p>		
Emission test	Compliance	Electromagnetic environment-guidance (for home healthcare environment)
RF emissions CISPR 11	Group 1	<p>The <u>GT-500BC1</u> uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.</p> <p>The <u>GT-500BC1</u> is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.</p>
RF emissions CISPR 11	Class B	
Harmonic emissions IEC 61000-3-2	N/A	
Voltage fluctuations /flicker emissions IEC 61000-3-3	N/A	

Manufacturer's declaration-electromagnetic immunity

The GT-500BC1 is intended for use in the electromagnetic environment (for home healthcare) specified below.

The customer or the user of the GT-500BC1 should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment-guidance (for home healthcare environment)
Electrostatic discharge(ESD) IEC 61000-4-2	Contact:±8 kV Air±2 kV,±4 kV,±8 kV,±15 kV	Contact:±8 kV Air±2 kV,±4 kV,±8 kV,±15 kV	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%
Electrical fast transient/burst IEC 61000-4-4	± 2kV for power supply lines ± 1kV for input/output lines	± 2kV for power supply lines Not applicable	Mains power quality should be that of a typical home healthcare environment.
Surge IEC 61000-4-5	± 0.5kV, ±1kV line(s) to line(s) ± 0.5kV, ±1kV,± 2kV line(s) to earth	± 0.5kV, ±1kV line(s) to line(s).Not applicable	Mains power quality should be that of a typical home healthcare environment.
Voltage Dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	Voltage dips: 0 % UT; 0,5 cycle 0 % UT; 1 cycle 70 % UT; 25/30 cycles Voltage interruptions: 0 % UT; 250/300 cycle	Voltage dips: 0 % UT; 0,5 cycle 0 % UT; 1 cycle 70 % UT; 25/30 cycles Voltage interruptions: 0 % UT; 250/300 cycle	Mains power quality should be that of a typical home healthcare environment. If the user of the <u>GT-500BC1</u> requires continued operation during power mains interruptions, it is recommended that the <u>GT-500BC1</u> be powered from an uninterruptible power supply or a battery.
Power frequency(50, 60 Hz) magnetic field IEC 61000-4-8	30 A/m 50 Hz or 60 Hz	30 A/m 50 Hz	The <u>GT-500BC1</u> power frequency magnetic fields should be at levels characteristic of a typical location in a typical home healthcare environment.

NOTE UT is the a.c. mains voltage prior to application of the test level.

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This device complies with Part 15 of the FCC Rules. 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 of the device.

15.105(b)

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.

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You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 0.5 cm between the radiator and your body."