

Smart Phone

XC1003

USER MANUAL

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Section 1: Getting Started

This section explains how to get started with your device by installing and charging the battery, installing the micro SIM card and optional memory card.

Before using your device for the first time, you'll need to install and charge the battery and install the micro SIM card.

The micro SIM card is loaded with your subscription details, such as your PIN, available optional services, and many other features. If desired, you can also install an SD card to store media for use with your device.

Understanding this User Manual

The sections of this manual generally follow the features of your phone.

Also included is important safety information that you should know before using your device.

This manual provides navigation instructions according to the default display settings. If you select other settings, navigation may be different.

Unless otherwise specified, all instructions in this manual assume you are starting from the Home screen and using the available keys.

Note: Instructions in this manual are based on default settings, and may vary from your device, depending on the software version on your device, and any changes to the device's Settings.

Unless stated otherwise, instructions in this User Manual start with the device unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your device and any changes to the device's Settings.

Special Text

Throughout this manual, you'll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes:** Presents alternative options for the current feature, menu, or sub-menu.
- **Tips:** Provides quick or innovative methods, or useful short cuts.
- **Important:** Points out important information about the current feature that could affect performance.
- **Warning:** Brings to your attention important information to prevent loss of data or functionality, or even prevent damage to your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following text conventions are used to represent often-used steps:

- Arrows are used to represent the sequence of selecting successive options in longer, or repetitive, procedures.

Removing the Battery Cover

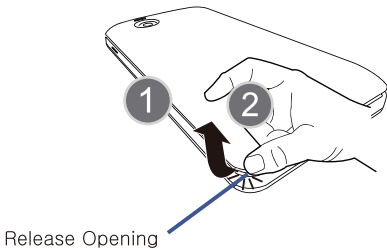
The battery, micro SIM card and SD card are installed under the battery cover.

Important! Before removing or replacing the battery cover, make sure the device is switched off. To turn the device off, press and hold the  **Power/Lock** key until the Device options pop-up displays, then tap **Power off**.

Caution! Do not bend or twist the back cover excessively during installation or removal. Doing so may damage the cover.

To remove the battery cover:

1. Hold the device firmly and locate the cover release opening (1).
2. Using the release opening (2), lift the cover (2) off the device (as shown).



Installing and Removing the SIM card

This device uses a different type of SIM card called a “micro SIM”. Other, larger SIM cards will not function or fit within this slot.

SIM Card Overview

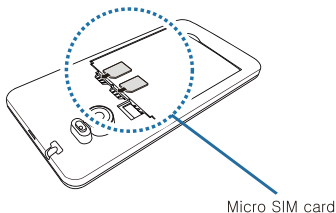
Important! Before removing or replacing the micro SIM card, make sure the device is switched off. To turn the phone off, press and hold the  **Power/Lock** key until the **Device options** pop-up displays, then tap **Power off**.

The micro SIM card is loaded with your subscription details such as your telephone number, PIN, available optional services, and many other features.

Important! The micro SIM card and its information can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

To install the SIM card:

1. Carefully slide the micro SIM card into the SIM card socket until it clicks into place.



2. Make sure that the card's gold contacts face into the device and that the upper-left angled corner of the card is positioned as shown.

To remove the micro SIM card:

1. Remove the battery cover.
2. Carefully place your finger tip at the end of the micro SIM slot and push the card slightly out.
3. Carefully slide the card out of the micro SIM card socket.

Note: If the card is not inserted correctly, the device will not detect it and no service will be available. If this happens, turn off the device, remove the card, and reinstall the card in the correct orientation.

Installing the microSD Memory Card

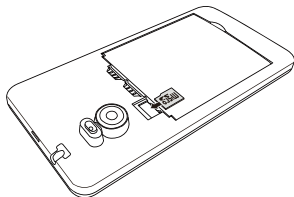
Your device supports an optional (external) microSD™ memory card (not provided) for storage of media such as music, pictures, video and other files. MicroSD cards are designed for use with this mobile device and other devices.

Note: This device supports a memory card of up to a 64GB.

1. Remove the battery cover.
2. Locate the microSD card slot on the inside of the device.
3. Orient the card with the gold strips facing down.
4. Carefully slide the microSD card into the card socket until it clicks into place.

Important! Be sure to align the gold contact pins on the card with the device's contact pins.

Note: microSD cards should be formatted within the Storage menu. Using an older or slow microSD card can affect camera performance, especially for video recording.



To remove the microSD Memory Card:

1. Remove the battery cover.
2. Gently press the card into the slot and release it. The card should pop partially out of the slot.
3. Remove the card from the slot.
4. Replace the battery cover.

Installing the Battery

Before using your device for the first time, install the battery and charge it fully.

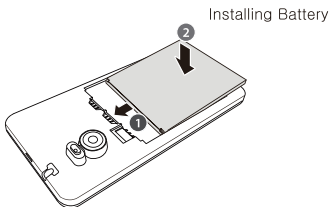
Important! Before removing or replacing the battery, make sure the device is switched off. To turn the device off, press and hold the  **Power/Lock** key until the **Device options** pop-up displays, then tap **Power off**.

To install the battery:

1. Slide the battery into the compartment (1) so that the tabs on the end align with the slots at the bottom of the phone, making sure the connectors align.
2. Gently press down to secure the battery (2).

To remove the battery:

- Grip the battery at the top end and lift it up and out of the battery compartment.



Replacing the Battery Cover

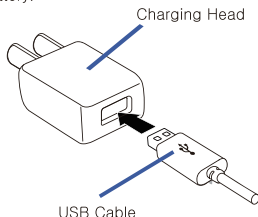
- Position the battery cover over the battery compartment and press down until you hear a click.

Caution! When replacing the battery cover, do not apply pressure to the screen (“squeeze”) as this can damage the screen.

Charging the Battery

Your device is powered by are chargeable Li-ion battery. A wall charger, which is used for charging the battery, is included with your device. Use only approved batteries and chargers. Ask your local dealer for further details.

Before using your device for the first time, you must fully charge the battery.

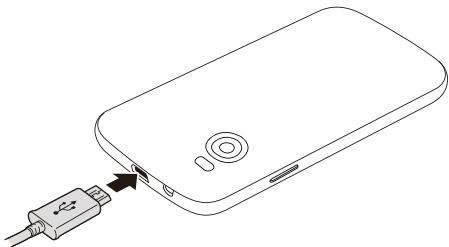


Note: Verify that the battery is installed prior to connecting the wall charger. If both the wall charger is connected and the battery is not installed, the handset will power cycle continuously and prevent proper operation. Failure to unplug the wall charger before you remove the battery, can cause the device to become damaged.

Important! It is recommended you fully charge the battery before using your device for the first time.

1. Connect the USB cable to the charging head.
2. Locate the Charger/Accessory jack.
3. Insert the USB cable into the device's Charger/Accessory jack.
4. Plug the charging head into a standard AC power outlet. The device turns on with the screen locked and indicates both its charge state and percent of charge.

Warning! While the device is charging, if the touch screen does not function due to an unstable power supply unplug the USB power adapter from the power outlet or unplug the USB cable from the device.



Note: If the charger is incorrectly connected, damage to the accessory port will occur therefore voiding the phone's warranty.

5. When charging is finished, first unplug the charger's power plug from the AC wall outlet, then disconnect the charger's connector from the phone.

Important! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to “Standard Limited Warranty”

Low Battery Indicator

When the battery level is low and only a few minutes of talk time remain (~15% charge), a warning tone sounds and the “Battery low” message repeats at regular intervals on the display. In this condition, your device conserves its remaining battery power, by dimming the backlight.

When the battery level becomes too low, the device automatically turns off.

The on-screen battery charge is represented (by default) as a colored battery icon. You can also choose to display a percentage value. Having a percentage value on-screen can provide a better idea of the remaining charge on the battery.

- **Settings → My device tab → Display → Show battery percentage.**

Extending Your Battery Life

Active applications, light levels, Bluetooth usage, and GPS functionality all act to drain your battery. The following is a list of helpful tips that can help conserve your battery power:

- Reduce your backlight on time.
- Turn Bluetooth off when not in use.
- Turn Wi-Fi off when not in use.
- Deactivate the GPS when not needed. Most applications using this function will periodically query the GPS satellites for your current location; each query drains your battery.
- Do not wait until your battery is completely depleted before charging your device. Repeating this process of a complete discharge and recharge can over time reduce the storage capacity of any battery.
- Use the Power Saving feature to deactivate some hardware and interface functions.
- Check the Battery use screen to review what features or functions have been consuming your battery resources.
- Check the Running Services and close any unnecessary applications.

- Use the Task Manager feature to end/shutdown background applications that are still running. These minimized applications can, over time, cause your device to "slow down".
- Animated wallpapers use processing power, memory, and more power. Change your Live Wallpaper to a non-animated Wallpaper gallery or Gallery image.

Switching the Device On or Off

Once the device has been configured, you will not be prompted with setup screens again.

To turn the device on:

- Press and hold  **Power/Lock** until the device switches on.

The device searches for your network and after finding it, you can make or receive calls.

Note: The display language is preset to Chinese at the factory.

To change the language, use the **Language** menu.

To turn the device off:

1. Press and hold  **Power/Lock** until the **Device options** pop-up appears.
2. Tap **Power off** () → **OK**

Initial Device Configuration

1. Select a language from the associated field.
English is the default language.

Note: If you are visually impaired or have difficulty hearing, tap **Accessibility** to configure the accessibility settings.

2. Tap **Next** and follow the on-screen setup instructions.

Note: You may be prompted with a notification that your activation is completed.

Note: Enabling Google location services can drain battery power.

Important! The device name is also used to provide an identification for your device's Bluetooth

3. Tap **Finish** to complete the setup process.

Restarting the Device

1. Press and hold  (**Power/End**) until the Device **options** pop-up appears.
2. Restarting the Device change to
Tap **Reboot** () → **OK**

Locking and Unlocking the Device

By default, the device screen locks when the backlight turns off.

- Place your finger on the screen and swipe the glass in any of the directions shown unlock the device.

Note: You can choose to configure lock settings to prevent unauthorized use of your device.

Section 2: Understanding Your Device

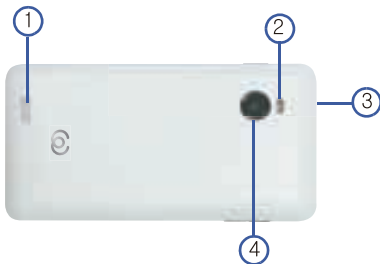
Front View



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1. **Menu key** displays a list of options available for the current screen. From the Home screen it displays Add apps and widgets, Create folder, Set wallpaper, Edit page, Search, Settings, and Help options.
 2. **Home key** displays the Home screen when pressed. Press and hold to display your recent apps, Task manager, and Remove all option. Press and hold to launch the Recent apps/Task manager screen.
 3. **Microphones** are used during phone calls and allow other callers to hear you clearly when you are speaking to them. There are two microphones on the device:
 - Bottom microphone: used during handset mode.
 - Top microphone: used while an active call is in the speakerphone mode and assists in noise cancellation (2 microphone solution).
 4. **USB Power/Accessory connector** allows you to connect a power cable or optional accessories such as a USB/data cable.

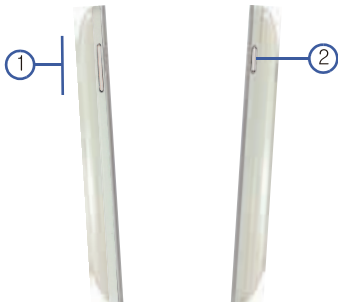
5. **Back key** redisplay the previous screen or clears entries.
6. **Front Facing Camera** allows you to take pictures while facing the screen and allows you to video conference.
7. **Gestures Sensor** used to detect Air View and Air Gesture motions.
8. **Receiver** allows you to hear the other caller.

Back View



1. **External speaker** allows you to hear ringers, music, and other sounds offered by your phone.
2. **Flash** is used to take photos in low-light conditions.
3. **Headset jack** allows you to connect a hands-free headset so you can listen to music.
4. **Camera lens** is used to take photos.

Side Views



1. **Volume key** allows you to adjust the ringer volume in standby mode (with the phone open) or adjust the voice volume during a call. When receiving an incoming call:
 - Pressing the volume key down mutes the ring tone.

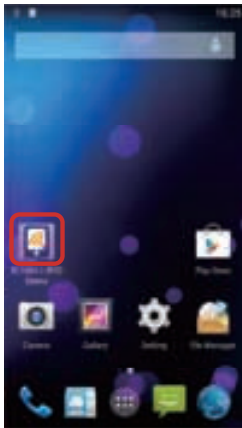
2. Power/End key  switches the phone off and on.

Press and hold for two seconds to turn toggle the Silent mode or Airplane mode states, turn the device on or off, or Restart.

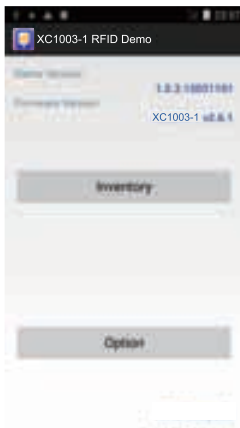
Section 3: RFID Demo

RFID Demo App Launch

This device provides **RFID Demo App** for reading RFID Tags. XC1003 supports **ISO18000 6C Gen2 Standard**



*** Do not block upper back side of Device with your hands for using RFID Demo**



1. Touch Menu button then run XC1003-1 RFID Demo
2. When it runs, you can check the version of sample program, Firmware version and Menu button on the screen.

RIFD Demo App

Here is the composition of XC1003-1 RFID Demo start-up screen.



- 1. Demo Version :** Version of RFID Demo App.
- 2. Firmware Version :** Firmware Version of XC1003-1 RFID Demo attached in XC1003.
- 3. Inventory :** Recognize EPC value of RFID Tag. (Anti-Collision)
- 4. Option :** Set Option of XC1003-1 RFID Demo.
- 5. Logo :** Connection state between XC1003 and XC1003-1 RFID DEMO. When it connected normally, display blue logo. But if it connected poorly or not connected, display orange or gray logo.

Inventory

You can see this screen, touch Inventory button on the main screen.



Inventory View composed of Tag List, Option, Count and Menu Button.

2.2.1.1. Tag List

This part display the Tag value which recognized by XC 1003-1 RFID DEMO. If it read Tag which has same EPC value, Count will increase right side of Tag List. Displayed Tag value includes PC value if the 'Display PC' check box checked, if not it only display EPC value.



2.2.1.2. **Inventory Option**

Power Gain : Set output power of Antenna.

Display PC : Set display PC value or not.

Continue Mode : Set reading type that will read multiple Tag or single Tag.

2.2.1.3. **Tag Count**

Display how many tags Reader has read. The tag which has same EPC value read multiple time, it only display once on the Tag List.

2.2.1.4. **Menu Buttons**

Inventory / Stop : Initiate / Stop Inventory.

Clear : Clear Tag List and Tag Count.

Option

This is the Option screen that can set options of XC1003 Device.

Option View composed of Inventory Options, Operation Option and Save button.

2.2.2.1. **Inventory Options**

Inventory Time : Real running time of XC1003-1 RFID DEMO perform Inventory.

Idle Time : Recess time of XC1003 Device between Inventory time. It should not over 400ms combining 'Inventory Time' and 'Idle Time'. Operation Options

Power Gain : Set output power(TX Power) of Antenna of XC1003 Device.

2.2.2.2. **Menu Buttons**

Save : Apply setting values to XC1003-1 RFID DEMO.

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

● Technical specifications

Bluetooth V4.0:

works in the 2.4GHz (2402MHz~2480MHz) ISM band

Channel Number: 79 channels for V4.0(DSS) and 40 channels for V4.0(DTS)

Channel Spacing: 1MHz for V4.0(DSS) and 2MHz for V4.0(DTS)

Modulation type: GFSK, $\pi/4$ -DQPSK, 8-DPSK for V4.0(DSS) and GFSK for V4.0(DTS)

WIFI:

work in the 2.4GHz(2412MHz~2462MHz),

Modulation: DSSS and OFDM on IEEE 802.11 protocols and support 802.11b/g/n.

Channel spacing: 5MHz

11 channels for 20MHz bandwidth(2412-2462MHz)

7 channels for 20MHz bandwidth(2422-2452MHz)

GPS:

Receiving Frequency: 1575.42MHz

2G:

The MOBILE PHONE operates on the GSM 850/900/1800/1900MHz Band

Modulation: GMSK for GSM/GPRS

RFID:

works in the 920.1-925.0MHz band

Channel Number: 50 channels

Channel Spacing: 100KHz

Modulation type: ASK

Specific Absorption Rate (SAR) information:

This Smart Phone meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

FCC RF Exposure Information and Statement The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: Smart Phone

(FCC ID: TQ4-XC1003) has also been tested against this SAR limit. This device was tested for typical body-worn operations with the back of the handset kept **15mm** from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a **15mm** 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 RF exposure requirements, and should be avoided.

Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of **15mm** must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.