

UHF RFID

User Manual

2020/12/22

LEGAL INFORMATION

Copyright © 2020 Shenzhen Eastaeon Technology Co.,Ltd.

All rights reserved.

No part of this publication may be quoted, reproduced, translated or used in any form or by any means, electronic or mechanical, including photocopying and microfilm, without the prior written permission of Shenzhen Eastaeon Technology Co.,Ltd. Corporation.

Shenzhen Eastaeon Technology Co.,Ltd. Corporation reserves the right to make modifications on print errors or update specifications in this guide without prior notice.

Version No.: V1.0

Edition Time: 2020/12/22

Contents

Getting Started.....	5
Overview.....	5
Key Explainrd.....	6
Starting up	6
Switching Your Terminal On/Off	8
Getting Around Your Terminal.....	9
RFID handle interaction	10
Scene one RFID mode.....	10
Scene two Scan code mode.....	11
Touch Input Settings	12
Browsing Options.....	12
Using Bookmarks	12
Making the Most of Multimedia.....	12
Camera.....	12
Play Music	13
Photos	13
Sorting out Your Terminal Settings	13
Applications	13
Display Settings	13
Sound Settings.....	14
Managing Your Device Memory	14
Special Settings	14
Scan Settings.....	14
Language Settings	15

Setting Date and Time	15
Reset to Factory Settings	15
Clock	16
Calculator	16
For Your Safety	16
General Safety	16
Distraction	17
Product Handling	18
Electrical Safety	21
Interference	21
Explosive Environments	23
System update	23
Common Fault Diagnosis	24

Getting Started

Overview



Key Explainrd

Key	Function
Power Key	<ul style="list-style-type: none">Hold to switch to power off, power on, restart.Press to switch your terminal to Sleep mode.Press to wake up your terminal.
Home Key	<ul style="list-style-type: none">Press to return to the Home Screen from any application or screen.Hold to see recently used applications.
Recent Key	Press to recent APP..
Back Key	Press to go to the previous screen.
Volume Keys	Press or hold to turn the volume up or down.

Starting up

Status and Notification Icons

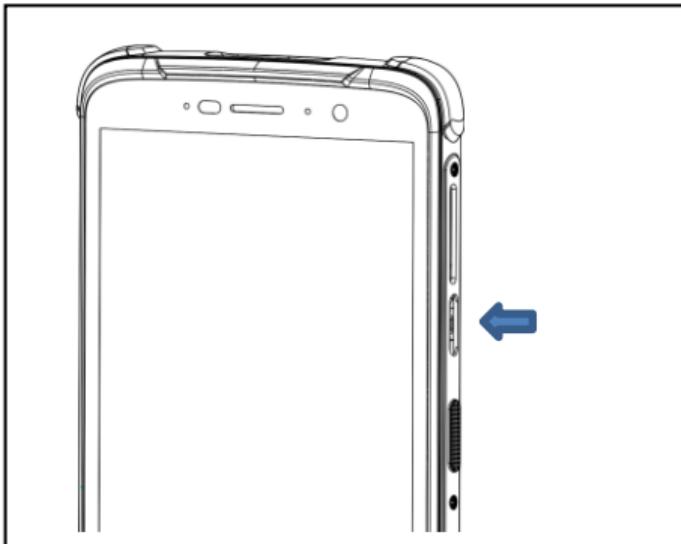
Your terminal will tell you exactly what's going on by showing you simple icons. Here's what they mean

	USB connected		Battery charge
	Airplane mode		Meeting mode
	Alarm set		Silent mode

Installing the SD

Switch off your terminal before installing or replacing the memory card.

1. Insert SD card into the tray and push it into the terminal.



Charging the Battery

When you first get your new terminal you'll need to charge the battery.

Connect the adapter to the charger jack. Ensure that the adapter is inserted with the correct orientation. Do not force the connector into the charger jack.

Connect the charger to a standard AC wall outlet.

Disconnect the charger when the battery is fully charged.

Switching Your Terminal On/Off

Make sure the SD card is in your device and the battery is charged.

1. Hold Power Key to switch on your terminal.
2. To switch it off, hold Power Key to get the terminal options. Select Power off.

Setting Up Your Terminal for the First Time

When you first power on your terminal after you purchase it or reset it to factory settings (see chapter **Sorting out Your Terminal Settings – System – Reset options Settings**), you need to do some settings before using it.

Switching to Sleep Mode

To save battery power, Sleep Mode suspends your device to a low-power-consumption state while the display is off. Your device also goes into Sleep Mode by itself when the display is automatically turned off after a certain period of time. You can start sleep mode by the following method.

Press Power Key to switch to Sleep Mode.

Waking Up Your Terminal

Press **Power Key** to activate your screen display.



Tap the  icon, drag to the up.

NOTE: If you have set an unlock pattern, PIN or password for your terminal (see chapter **Sorting out Your Terminal Settings – Security & location Settings**) you'll need to draw the pattern or enter the PIN/password to unlock your screen.

Getting Around Your Terminal

Touch Control

You can use finger gestures to control your terminal. The controls on your touch-screen change dynamically depending on the tasks you're performing.

Tap the buttons, icons, or applications to select items or to open applications.

Flick the screen to scroll up, down, left or right.

Point, drag and drop to move particular items across the screen.

Double-tap the screen to zoom in/out an image.

NOTE: You can view the terminal screen in portrait or landscape orientation simply by holding it upright or turning it on its side. Not all screens are viewable in landscape.

Home Screen

In the Home screen, besides the shortcut icon is displayed, you can also set your own wallpaper, add the widgets or application shortcuts you need, or remove them as you like.

Choosing Your Wallpaper

Press Home Key to return to the Home Screen.

Long press the screen and select Wallpaper.

Tap Gallery, Wallpapers and choose the image you want to use as the wallpaper. Some cropping may be needed for Gallery images.

Tap Set wallpaper.

Adding/ Removing items from Your Home Screen

Press **Home Key > Slide up the home screen**, In the list of applications, touch and hold the icon Until the terminal vibrates and move the application icon to the idle position, release the finger.

Press **Home Key** to return to the Home Screen.

Tap and hold the item you want to delete until the remove icon appears on the top of the screen.

Drag the item to the Uninstall icon and release your finger when the item turns orange.

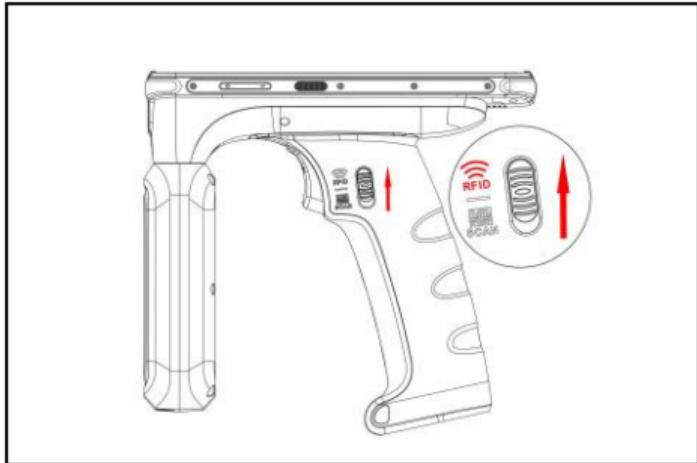
RFID handle interaction

Scene one RFID mode

[Orange toggle switch] Up, the user clicks on the RFID scanning Demo to enter the function interface. If the RFID module is in good contact and the communication is normal, press the [orange trigger] to trigger the RFID function.

※ RFID indicator interactive description:

1. Start the RFID software, the blue indicator light on the RFID front end is on;
2. Exit the RFID software, and the Bluetooth indicator on the RFID front end is off.



Scene two Scan code mode

【Orange toggle switch】 Down: In this state, press the 【Orange trigger】 to trigger the code scan.



Touch Input Settings

Choose the touch input settings by press **Home key > Slide up the home screen > settings > System > Language & input** from Home Screen.

In the **Languages and Keyboard & input methods** section, you can choose the settings that you need.

Browsing Options

When you browse the Web, you can also do the following:

Press Menu Key > Bookmarks/History and select a bookmark or history to open.

Press Menu Key > Settings to configure browser settings.

Using Bookmarks

If you know the Web address, you can manually add bookmarks. To bookmark a web page, open it and tap **Menu Key > Click the five-pointed star** to Save bookmarks.

Making the Most of Multimedia

Camera

Your terminal has camera function. Open it by pressing **Home Key > Slide up the home screen > Camera**. Tap  to take a picture. To view it, just tap the picture in the right corner of the screen.

Play Music

You can play digital audio files from your terminal's memory card in Music. Before playing music, you need to copy music files to memory card location.

Press **Home Key > Slide up the home screen > Play Music** to open the Music Screen.

Click the Music Library > Playlist > music files to start playing.

Adjust the volume with Volume Keys.

Photos

Press **Home Key > Slide up the home screen > Photos**. You can use Photos to view pictures and play videos. You can also do some basic editing of your pictures – such as setting them as wallpaper or contact photo, and sharing with friends.

Sorting out Your Terminal Settings

Applications

Press **Home Key > Slide up the home screen > Settings > Apps & notifications**.

Display Settings

Press **Home key > Slide up the home screen > Settings > Display**, you can adjust the display settings as you like:

Wallpaper: Set the wallpaper of the terminal.

Brightness: Adjust brightness of the screen.

Adaptive brightness: Rotate the screen display as you rotate the terminal.

Sleep: Set the delay for the screen to automatically turn off.

Sound Settings

By pressing **Home Key > Slide up the home screen > Settings > Sound**, you can adjust the sound settings, such as ringtones, volume and vibrate.

Managing Your Device Memory

Press **Home Key > Slide up the home screen > Settings > Storage**.

You can view the space information of the SD card and the terminal storage.

Unmount SD card: You can unmount the SD card to safely remove it.

Erase SD card: Erase all data on the SD card.

Special Settings

Press **Home key > Slide up the home screen > Settings > Special Settings**, You can set up Floating Button quick scan, And block the Back Button, Home Button, Menu Button.

Scan Settings

You can scan the bar code through the terminal's own scanning tool or the client's own scanning program.

1. Press **Home key > Slide up the home screen > Settings > Scan Settings > SCAN SETTING**;
2. General Settings can be carried out (Such as: Enable/Disable Scanner, Sound Play, Vibrate, Auto enable scanner, Continue scan, Floating Button, Indicator Light), OUTPUT SETTING (Send Mode Setting, End Char Setting, Scan Timeout Setting, Scan Interval Time Setting, Prefix, Suffix), Bar Setting.

※ Frequently asked questions:

Scanning head laser light or fill light is not on, Please confirm whether the scanning function is off. If it is off, Please go to "settings > Scan settings > SCAN SETTING > Enable/Disable Scanner" and turn the button switch on again.

Language Settings

You can change the language of your terminal system in two simple steps.

Press **Home key > Slide up the home screen > Settings > System > Language & input > Language.**

Select a language from the list given, Click and hold the language you want to set and drag to the first position before releasing your finger.

Setting Date and Time

Press **Home key > Slide up the home screen > Settings > System > Date & time.**

Tap **Automatic Date & time** and select Off if you want to set the time and date by yourself.

Set date, time and change the other options.

Reset to Factory Settings

Press **Home key > Slide up the home screen > Settings > System > Reset options > Erase all data(factory reset) > RESET TERMINAL > ERASE EVERYTHING.**

WARNING: All your personal information and downloaded applications on your terminal will be erased after the resetting.

Clock

Press **Home key > Slide up the home screen > Clock**, you can view the clock or set the alarm.

Tap the top of the screen icon can be switched to the timer and stopwatch functions from the clock interface.

Calculator

You can use the terminal directly perform simple mathematical calculations.

1. Press **Home Key > Slide up the home screen > Calculator**.
2. Click the button corresponding with the calculator display, perform basic arithmetic.

TIPS: Scientific computing advanced panel pop-up mode: calculator interface click the right green edge, hidden mode: click the number area.

For Your Safety

General Safety

	Don't use at petrol stations.		Your terminal may produce a bright or flashing light.
	Small parts may cause a choking.		Don't dispose of your terminal in fire.
	Your terminal can produce a loud sound.		Avoid contacting with anything magnetic.

	Keep away from pacemakers and other electronic medical devices.		Avoid extreme temperatures.
	Switch off when asked to in hospitals and medical facilities.		Avoid contacting with liquids. Keep your terminal dry.
	Switch off when told to in aircrafts and airports.		Don't take your terminal apart.
	Switch off when near explosive materials or liquids.		Only use approved accessories.
	Don't rely on your terminal for emergency communications.		To prevent possible hearing damage, do not listen at high volume levels for long periods.

Distraction

Driving

Full attention must be given to driving at all times in order to reduce the risk of an accident. Using a terminal while driving (even with a hands free kit) can cause distraction and lead to an accident. You must comply with local laws and regulations restricting the use of wireless devices while driving.

Operating Machinery

Full attention must be given to operating the machinery in order to

reduce the risk of an accident.

Product Handling

General Statement on Handling and Use

You alone are responsible for how you use your terminal and any consequences of its use.

You must always switch off your terminal wherever the use of a terminal is prohibited. Use of your terminal is subject to safety measures designed to protect users and their environment.

Always treat your terminal and its accessories with care and keep it in a clean and dust-free place.

Do not expose your terminal or its accessories to open flames or lit tobacco products.

Do not expose your terminal or its accessories to liquid, moisture or high humidity.

Do not drop, throw or try to bend your terminal or its accessories.

Do not use harsh chemicals, cleaning solvents, or aerosols to clean the device or its accessories.

Do not paint your terminal or its accessories.

Do not attempt to disassemble your terminal or its accessories, only authorized personnel can do so.

Do not expose your terminal or its accessories to extreme temperatures, minimum - [5] and maximum + [50] degrees Celsius.

Please check local regulations for disposal of electronic products.

Do not carry your terminal in your back pocket as it could break when you sit down.

Small Children

Do not leave your terminal and its accessories within the reach of small children or allow them to play with it.

They could hurt themselves or others, or could accidentally damage the terminal.

Your terminal contains small parts with sharp edges that may cause an injury or may become detached and create a choking hazard.

Demagnetization

To avoid the risk of demagnetization, do not allow electronic devices or magnetic media close to your terminal for a long time.

Antenna

Do not touch the antenna unnecessarily.

Normal Use Position

When placing or receiving a terminal call, hold your terminal to your ear, with the bottom towards your mouth.

Air Bags

Do not place a terminal in the area over an air bag or in the air bag deployment area.

Store the terminal safely before driving your vehicle.

Seizures/ Blackouts

The terminal can produce a bright or flashing light.

Repetitive Motion Injuries

To minimize the risk of RSI when texting or playing games with your terminal:

Do not grip the terminal too tightly.

Press the buttons lightly.

Use the special features which are designed to minimize the times of pressing buttons, such as Message Templates and Predictive Text.

Take lots of breaks to stretch and relax.

Emergency Calls

This terminal, like any wireless terminal, operates using radio signals, which cannot guarantee connection in all conditions. Therefore, you must never rely solely on any wireless terminal for emergency communications.

Loud Noise

This terminal is capable of producing loud noises, which may damage your hearing. Turn down the volume before using headterminals, Bluetooth stereo headsets or other audio devices.

Terminal Heating

Your terminal may become warm during charging and during normal use.

Electrical Safety

Accessories

Use only approved accessories.

Do not connect with incompatible products or accessories.

Take care not to touch or allow metal objects, such as coins or key rings, to contact or short-circuit in the battery terminals.

Connection to a Car

Seek professional advice when connecting a terminal interface to the vehicle electrical system.

Faulty and Damaged Products

Do not attempt to disassemble the terminal or its accessory.

Only qualified personnel can service or repair the terminal or its accessory.

If your terminal or its accessory has been submerged in water, punctured, or subjected to a severe fall, do not use it until you have taken it to be checked at an authorized service centre.

Interference

General Statement on Interface

Care must be taken when using the terminal in close proximity to personal medical devices, such as pacemakers and hearing aids.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 15 cm be maintained between a mobile terminal and a pacemaker to avoid

potential interference with the pacemaker. To achieve this, use the terminal on the opposite ear to your pacemaker and do not carry it in a breast pocket.

Hearing Aids

People with hearing aids or other cochlear implants may experience interfering noises when using wireless devices or when one is nearby.

The level of interference will depend on the type of hearing device and the distance from the interference source, increasing the separation between them may reduce the interference. You may also consult your hearing aid manufacturer to discuss alternatives.

Medical Devices

Please consult your doctor and the device manufacturer to determine if operation of your terminal may interfere with the operation of your medical device.

Hospitals

Switch off your wireless device when requested to do so in hospitals, clinics or health care facilities. These requests are designed to prevent possible interference with sensitive medical equipment.

Aircraft

Switch off your wireless device whenever you are instructed to do so by airport or airline staff.

Consult the airline staff about the use of wireless devices on board the aircraft. If your device offers a 'flight mode', this must be enabled prior to boarding an aircraft.

Interference in Cars

Please note that because of possible interference to electronic equipment, some vehicle manufacturers forbid the use of mobile terminals in their vehicles unless a hands-free kit with an external antenna is included in the installation.

Explosive Environments

Petrol Stations and Explosive Atmospheres

In locations with potentially explosive atmospheres, obey all posted signs to turn off wireless devices such as your terminal or other radio equipment.

Areas with potentially explosive atmospheres include fuelling areas, below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

Blasting Caps and Areas

Power off your mobile terminal or wireless device when in a blasting area or in areas posted power off "two-way radios" or "electronic devices" to avoid interfering with blasting operations.

System update

System supports firmware upgrade only from official website or server. If user uses 3rd party ROM image and/or any other root method to upgrade firmware, it will cause terminal unstable and raise further security risk and pitfalls. Please be noted user should take all responsibility for all these behaviors.

Common Fault Diagnosis

The Faults	Possible Reasons
Can't turn on	1、Whether there is electricity in the battery; 2、Battery is correct.
No sound	Set volume too low or off, adjust volume.
Can't charge	1. If the battery temperature is too high/low, the battery will be in a normal temperature environment; 2. It may be caused by overdischarge of battery. Wait a few minutes (usually no more than 5 minutes); 3. If the battery fails, replace the battery.
Unable to take photos	1. To indicate "camera fault", close the scanning head, and the camera cannot be opened when the scanning head is shining; 2. Prompt "insufficient SD card space", please clear memory or switch storage location.

FCC warning:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.

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.

This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment.