

Mobile Portable Terminal Quick Start Guide

Version 1.0.1

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Welcome

Thank you for purchasing our mobile portable terminal!

This quick start guide will help you become familiar with our mobile portable terminal in a very short time.

Before installation and operation, please read the following safeguard and warning carefully!

Important Safeguard and Warning

1 . Electrical safety

- All installation and operation here should conform to your local electrical safety codes.
- An apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.
- Use a power supply which meets the requirements for SELV (Safety Extra Low Voltage) and complies with Limited Power Source according to IEC 60950-1. Refer to the device label for detailed information.
- We assume no liability or responsibility for all the fires or electrical shock caused by improper handling or installation.

2 . Transportation security

- Heavy stress, violent vibration or water splash are not allowed during transportation, storage and installation.

3 . Installation

- Keep upwards. Handle with care.
- Do not apply power to the mobile portable terminal before completing installation.
- Do not place objects on the mobile portable terminal.

4 . Qualified engineers needed

- All the examination and repair work should be done by the qualified service engineers.
- We are not liable for any problems caused by unauthorized modifications or attempted repair.

5 . Environment

- The mobile portable terminal should be used in a cool, dry place away from direct sunlight, inflammable, explosive substances and etc.
- Always transport, storage, operate the mobile portable terminal in the specified working humidity and working temperature.

6. Accessories

- Be sure to use all the accessories recommended by manufacturer.
- Before installation, please open the package and check all the components are included:
- Contact your local retailer ASAP if something is missing in your package.

7. Lithium battery

- Improper battery use may result in fire, explosion, or personal injury!

- When replace the battery, please make sure you are using the same model!

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



Important

- Please set a password for **admin** if it is your first time to use the device. Change the password regularly to enhance device data safety.
- Note that the security and other related issues caused by the unchanged password shall be responsible for the user.
- Set password for your wireless network if you use the device with a wireless router. Being not protected with password or using the default wireless router password may expose your data to potential threat.

1 Product Introduction

1.1 Overview

This series product is a mobile portable terminal for persons of public security, insurance, traffic police and etc. It can realize audio/video record, snapshot, GPS, and video surveillance, record view and download, audio talk, emergency command via 3G/4G/Wi-Fi and etc.

The device is designed based on the Android OS. It realizes business rebuild and expansion via the security network to meet the mobile business requirements of various industries. It can enhance quick respond speed and general operation capability.

1.2 Specifications

Function	Specifications
OS	Android 5.1
LCD Module	4.0-inch TFT LCD, it is visible under the direct sunshine. 854*480
Light Sensation Sensor	Self-adaptive screen brightness
Touch Screen Module	4.0-inch capacitance touch screen., multiple-point touch screen
Memory	2GB RAM+32GB Flash, extendable storage. Max supports 128GB Micro SD card.
Video Encode Standard	H.264
Record Resolution	1080P, 720P, WVGA
Image Pixels	1.3MP
Audio	Audio/video sync record at the same time
Network	2G/3G/4G Wi-Fi: 2.4G/5G
Function	Bluetooth, fingerprint recognition, plate recognition, audio talk, one-touch activates an alarm, NFC
Positioning	GPS/Beidou/GLONASS
Port	HDMI input port / USB 2.0 port/Peripheral general port/Headphone jack/Peripheral camera port
Battery Capacity	Built-in high performance ultra-large lithium battery 4000mAh(default accessories)
Protection Level	IP66
Working Temperature	-10°C ~ +55°C
Humidity	10%—90%

1.3 General Structure

Please refer to the following figure for general structure information. See Figure 1-1 through Figure 1-3.

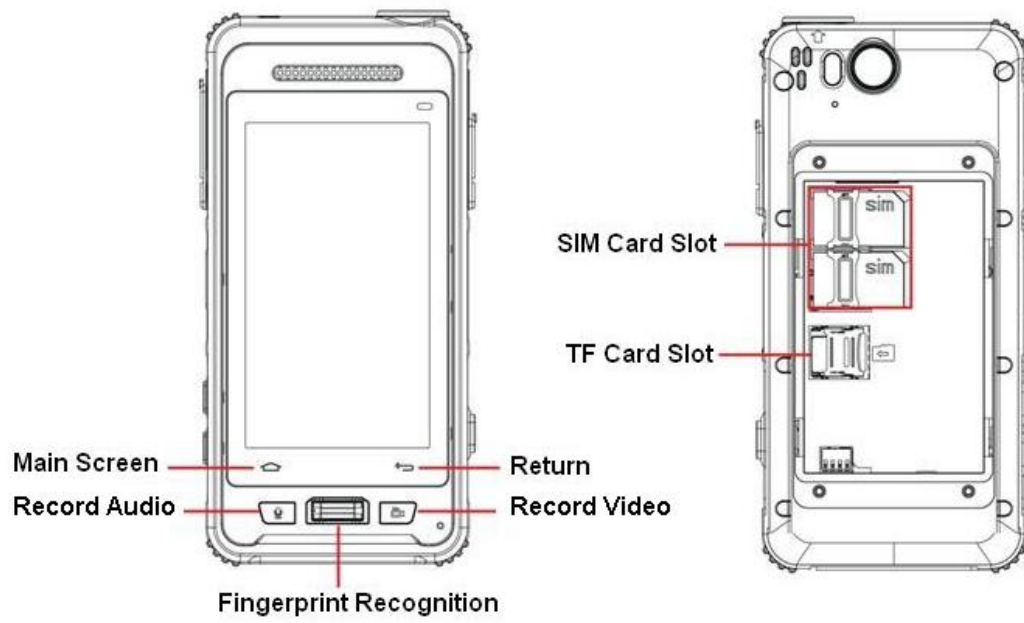


Figure 1-1

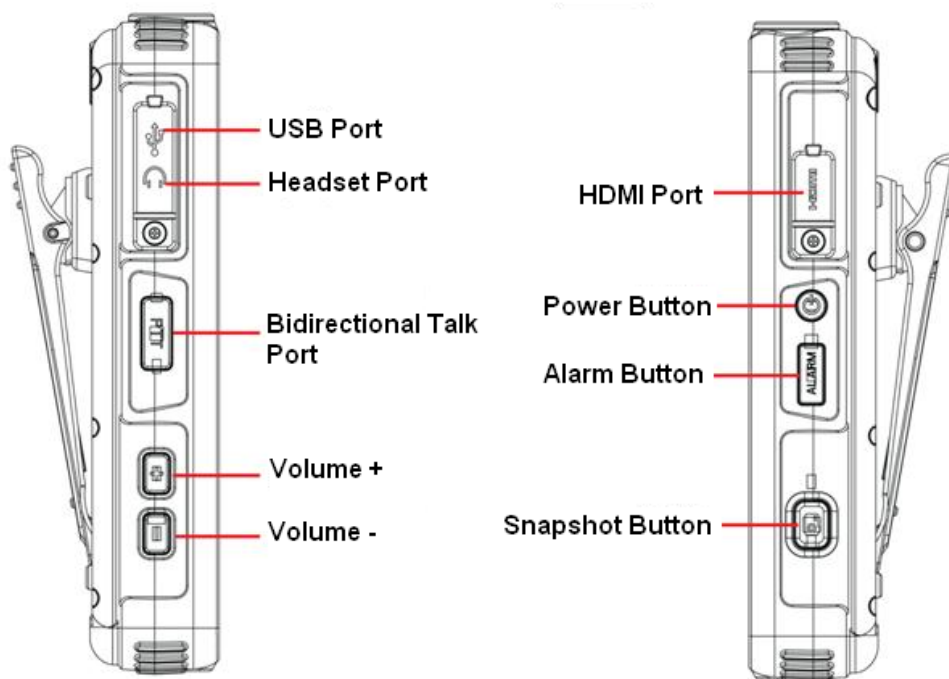


Figure 1-2

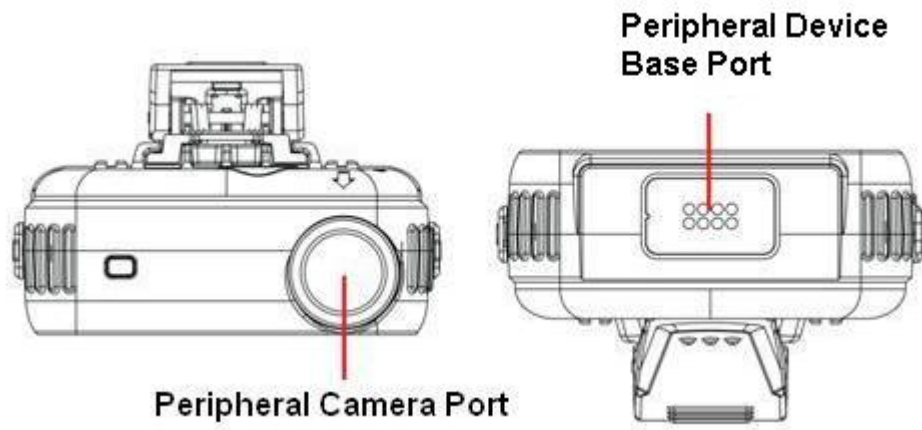


Figure 1-3

2 Basic Operation

2.1 Login

Press the Power button on the right side of the device (see Figure 1-2), you can boot up, shut down the device, or let it sleep.

After device boots up, it goes to login interface by default.

Please follow the steps listed below.

Step 1 Boot up the device, device goes to login interface. See Figure 2-1.

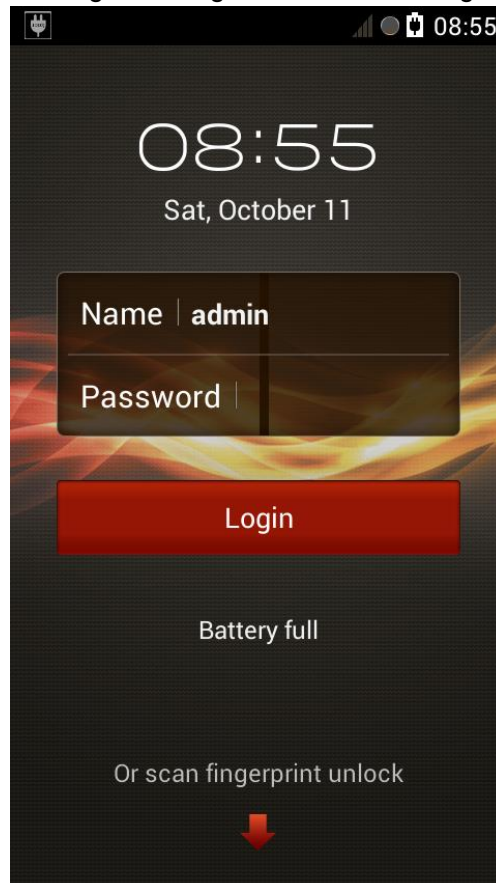


Figure 2-1

Step 2 Input user name and password.

Note

- Device default user name is **admin**. If it is your first time to use the device, please set a login password.
- You can set three security questions in case you forgot password. Tap **Forgot password** in Figure 2-1, you can reset login password after you properly answer the security questions.
- Please change the password regularly to guarantee device safety. Refer to *User's manual* for detailed information.

Step 3 Tap Login to go to the main interface. Refer to chapter 2.2 Main Interface for main interface information.

2.2 Main Interface

After you logged in, the main interface is shown as below. See Figure 2-2.



Figure 2-2

2.3 Snapshot/Record Video



Tap , system goes to the snapshot/record interface. See Figure 2-3.

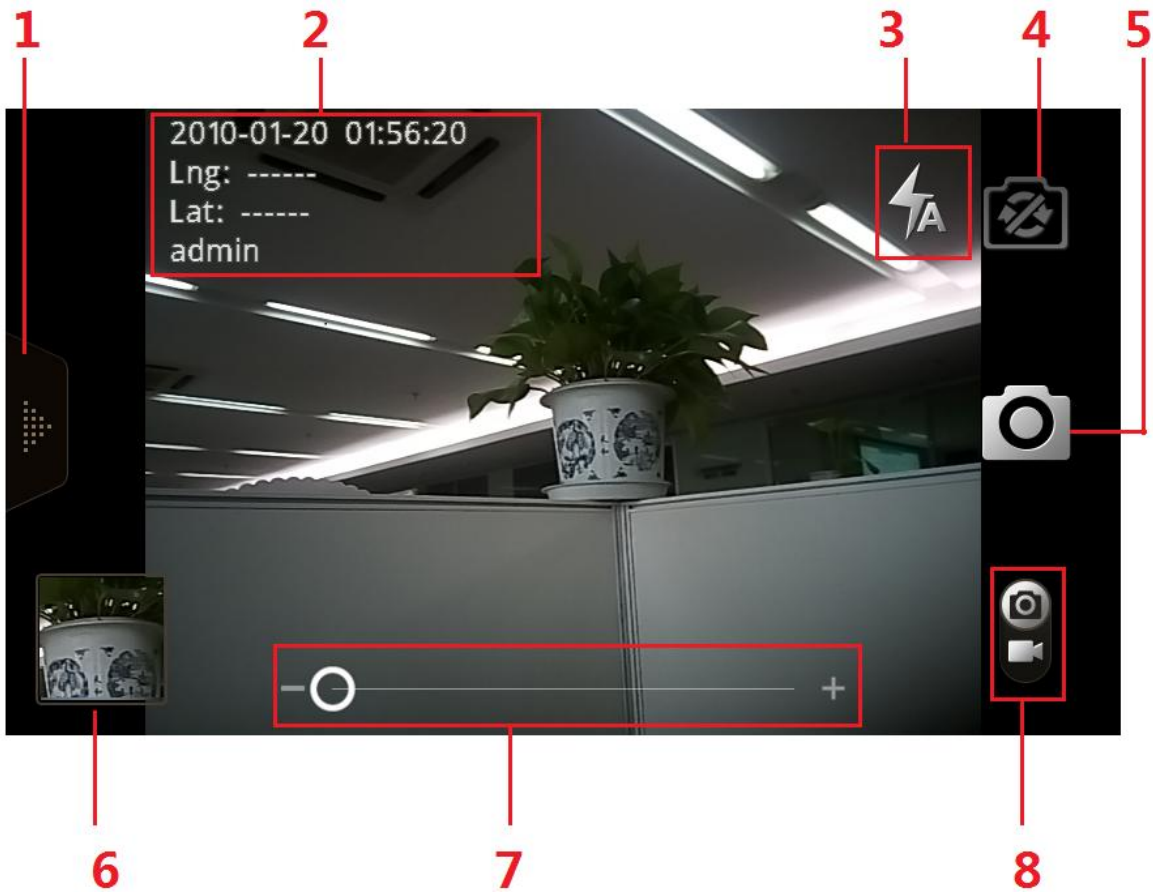








Figure 2-3

Please refer to the following sheet for detailed information.

SN	Note
1	<p>Tap it to set camera parameters.</p> <ul style="list-style-type: none"> ● Snapshot mode: Tap the icon to go to camera settings interface. You can enable/disable snapshot sound, set white balance, exposure, video quality and resolution. ● Record video: Tap the icon to go to camera settings interface. Here you can set video quality frame rate, bitrate, bitrate type. <p> Note</p> <p>When platform is playing the device realtime video, you cannot set parameters. The left pane is shown as in </p>
2	<p>Display OSD information.</p> <p> Note</p> <p>From Setings->Device->Camera->OSD, you can overlay time, user name, GPS info and etc.</p>
3	<p>Tap it to set flashlight parameters.</p> <ul style="list-style-type: none"> ● : Auto flashlight. Device can enable flashlight automatically according to the light in the surrounding environment. ● : Manual flashlight function is on.

SN	Note
	<ul style="list-style-type: none"> 🔦: Flashlight function is off. <p> Note In record video mode, tap  to enable compensation light.</p>
4	<p>Tap to switch to peripheral camera to snapshot or display HDMI signal.</p> <p> Note Please make sure you have connected the peripheral camera or the HDMI signal.</p>
5	<p>Tap to snapshot.</p> <p> Note In record video mode, tap  to begin record video. During the recording process, tap  to snapshot.</p>
6	Tap the icon to view photo or video file.
7	Adjust photo focus distance.
8	Switch between snapshot/record mode.

2.4 Record Audio







Tap , you can go to the record audio interface. See Figure 2-4.



Figure 2-4


- Tap  to begin record. The circle becomes  during the recording process. Tap  again to stop record.

- Tap  to check audio file.

2.5 Files

Here you can view photo, video file or audio file.



Tap , you can go to the file manager interface. Here you can view photo, audio/video file. See Figure 2-5.

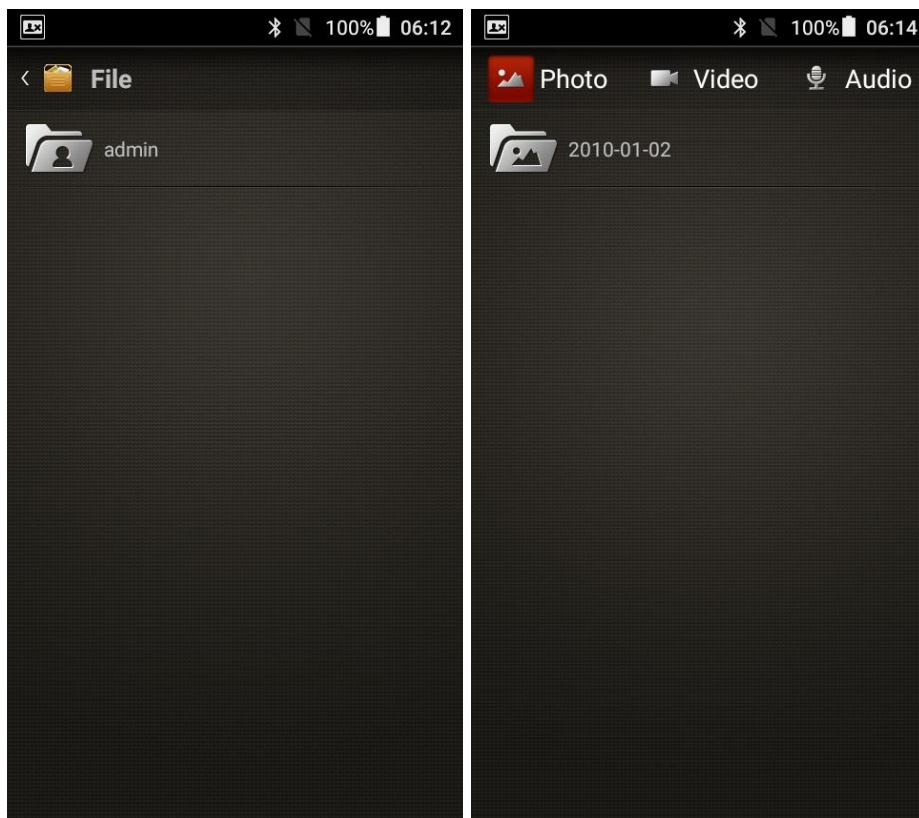


Figure 2-5

2.6 Settings

2.6.1 Network

Here you can set Wi-Fi, Bluetooth, location, datacall, Ethernet and etc.

From Settings->Network, you can go to the following interface. See Figure 2-6.

Tap an item to go to the corresponding interface.

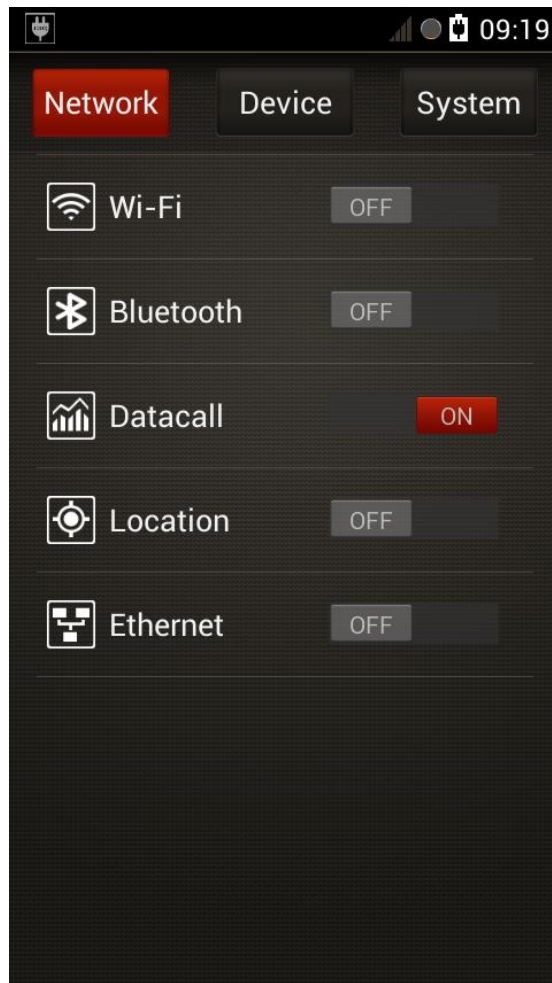


Figure 2-6

2.6.2 Device

In this interface, you can set camera basic parameters, register device to the platform, set storage parameters, add SMS whitelist and set audio talk function.

From Settings->Device, you can go to the following interface. Here you can set camera, platform, and video storage parameters. See Figure 2-7.

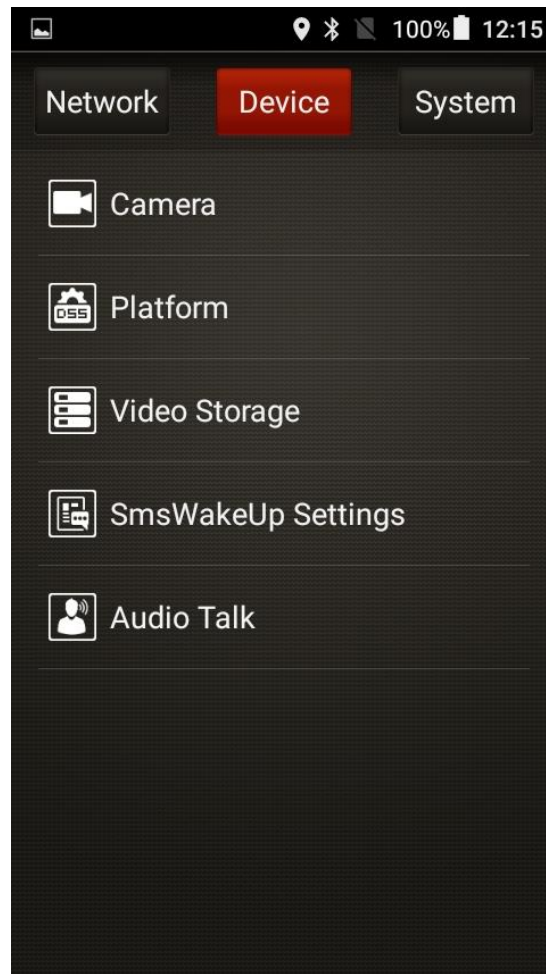


Figure 2-7

Name	Function
Camera	Set snapshot, record encode, network transmit encode, OSD parameters.
Platform	The device and platform connection parameters. After you register the device to the platform, you can use platform to control and manage device remotely.
Video storage	It is to set data to storage on the Micro SD card. Device max supports 128GB expansible storage space. When the device built-in space is not sufficient, you can insert Micro SD card in case you may lose the data.
SMS Wakeup Settings	When connect the device to the platform, the device goes to hibernation mode and disconnect with the platform if there is no operation for a long time. Now you can use the user name on the SMS whitelist to send out the SMS to activate the device.
Audio talk	Enable audio talk function and then set corresponding parameters, the device can realize dual-way talk with the platform.

2.6.3 System

From Settings->System, you can go to the system interface. See Figure 2-8.

Tap an item, you can set and search corresponding parameters. It includes interface brightness, system date and time and etc.



Important

RESET FACTORY DEFAULT SETUP IS GOING TO CLEAR ALL DATA ON THE DEVICE BUILT-IN STORAGE SPACE. BE CAREFUL!

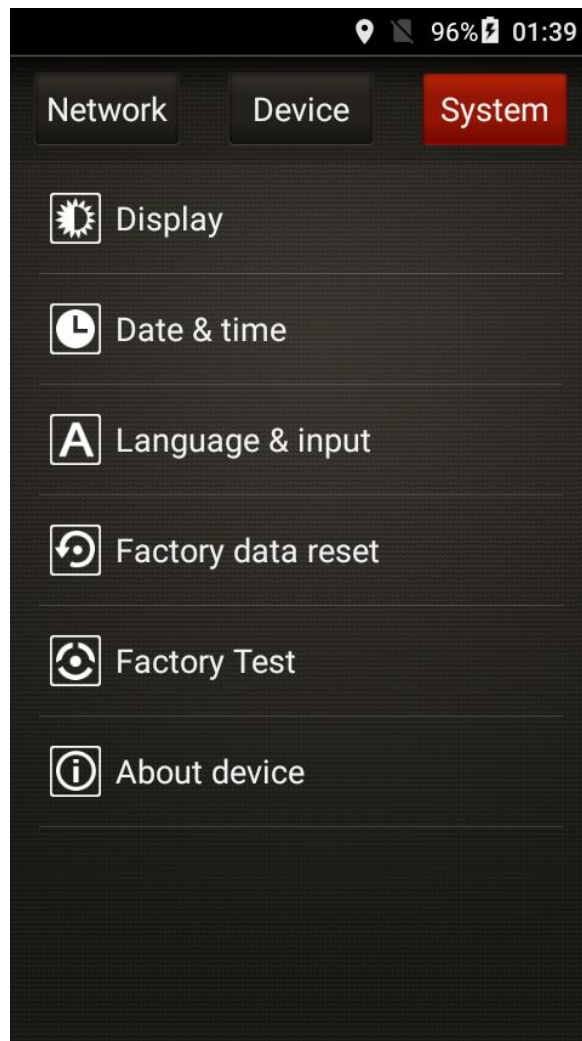


Figure 2-8

2.7 Account

Here you can manage user basic information.

Tap , you can go to the following interface. See Figure 2-9.

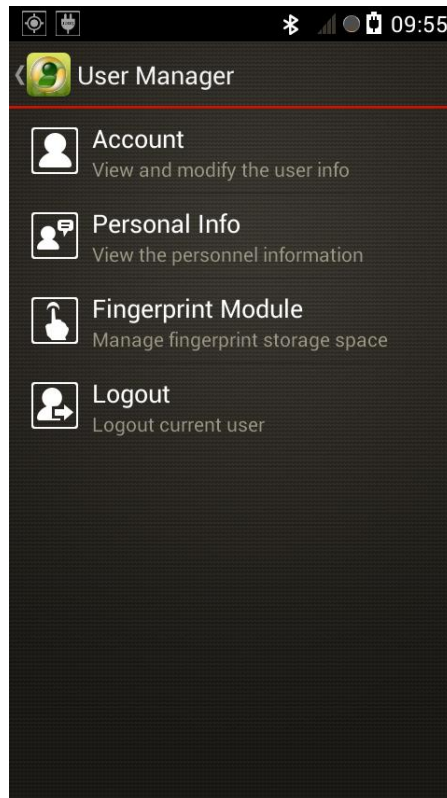




Figure 2-9

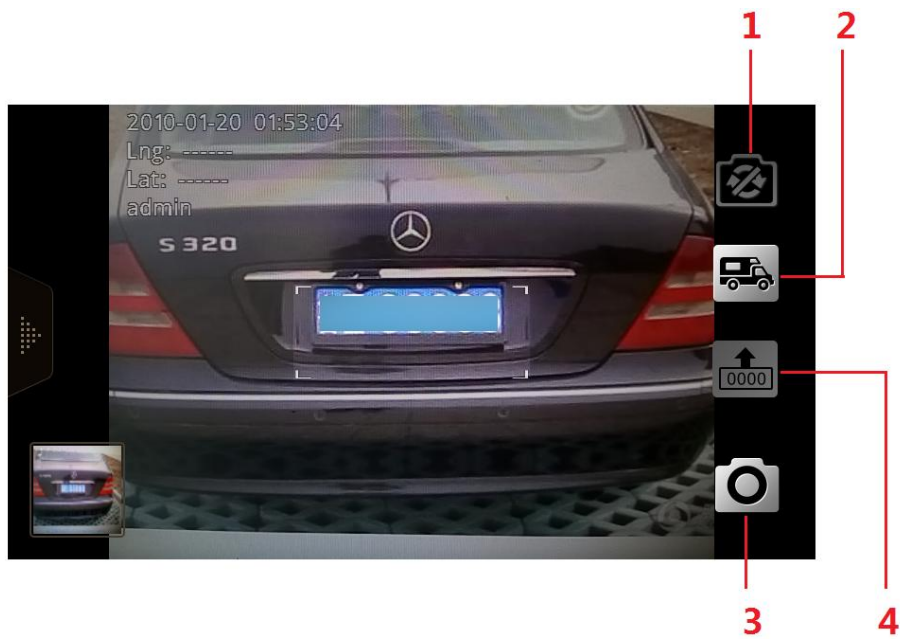
Name	Function
Account	<p>Here you can add new user, change user authorities, change password, and etc.</p> <ul style="list-style-type: none"> ● Tap  to add new user. ● Tap a user, you can go to the user information interface. Here you can search user information, modify rights, modify password, add/delete fingerprint and etc.
Personal info	Here you can search user information, modify rights, modify password, add/delete fingerprint and etc.
Fingerprint module:	It is to manage fingerprint module storage space, format corresponding user fingerprint information.
Logout	Logout current user.

2.8 Plate Recognition



Device supports plate recognition function. You can upload plate number photo to the platform to manage.



Tap  on the main interface, you can go to the snapshot interface to snapshot plate and then upload to the platform to manage.



Please refer to the following sheet for detailed information.

SN	Note
1	<p>Tap it, device can use the peripheral camera to snapshot or view the HDMI signal source.</p> <p> Note Please make sure device has connected the peripheral camera or the HDMI signal device.</p>
2	<p>Put the camera facing the plate number and then tap the icon, device can display recognition results window. Tap OK button, device auto snapshot and display the recognition result at the snapshot image.</p>
3	<p>Tap it, device can snapshot one image.</p>
4	<p>Tap it, device can upload the image to the platform.</p> <p> Note Please make sure the device has connected to the platform. Refer to chapter 3 Platform Connection for detailed information.</p>

3 Platform Connection

You can control and manage device via platform.

3.1 Device Settings

 **Note**

Please make sure the network connection is OK and device is online so that it can be added to the platform.

Please follow the steps listed below.

Step 1 Set platform connection parameters.

Step 2 On the device, from Settings->Device->Platform, you can go to the following interface to input parameters. See Figure 3-1.



Figure 3-1

Step 3 Please refer to the following sheet for detailed information.

Name	Function
Platform connection	Enable/disable device connection to the platform server.
Device ID	Input customized device ID on the platform server. Please make sure It is the same as the platform.

IP Address	Input platform server IP address.
Remote Port	Input platform server listening port. The default setup is 9500.
Local port	Input device listening port. The default setup is 37777.

Step 4 Enable platform connection function and then tap OK.


3.2 Platform Settings

Please follow the steps listed below to login the platform.

Step 1 Login DSS manager end and then from General->Device->Device->Encoder, and then Tap Add button, you can see the following interface. See Figure 3-2.

Figure 3-2

Step 2 Please refer to the following sheet for detailed information.

Name	Function
Add Type	Please check the box to enable auto register function.
Proxy port	The value ranges from 1 to 65535.
	 Important

	The proxy port of each device is unique. It shall be the same as the port of other device.
Registration ID	It is the same as the device ID in Figure 3-1.
User name/password	It is the same as the mobile portable terminal device. The user name is admin and the password is what you set when you first login.
Device name	Input customized device name.
Device type	Please select mobile portable terminal from the dropdown list.
Video channel	The value is 1.
Alarm input channel	The value is 1.

Step 3 Click OK button to complete the add process.

Note

- For detailed operation introduction, please refer to our resource CD included in your package for electronic version of the User's Manual.
- Slight difference may be found in user interface.
- All the designs and software here are subject to change without prior written notice.
- All trademarks and registered trademarks mentioned are the properties of their respective owners.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website for more information.