iData®

iData 60

User Manual

www.idatachina.com

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1 Introduction

1.1 Overview

Figure 1-1 Front view of iData 60

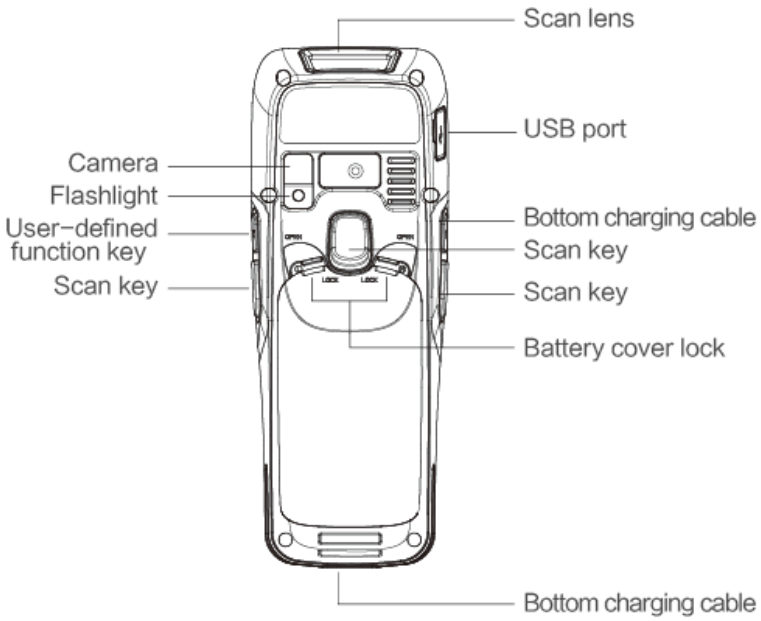


Figure 1-2 Rear view of iData 60

1.2 Installing the Battery

To install the battery, do as follows:

1. Disassemble the battery cover and move the dialing buttons of the battery cover on the left and right along the OPEN direction to pull up the battery cover.

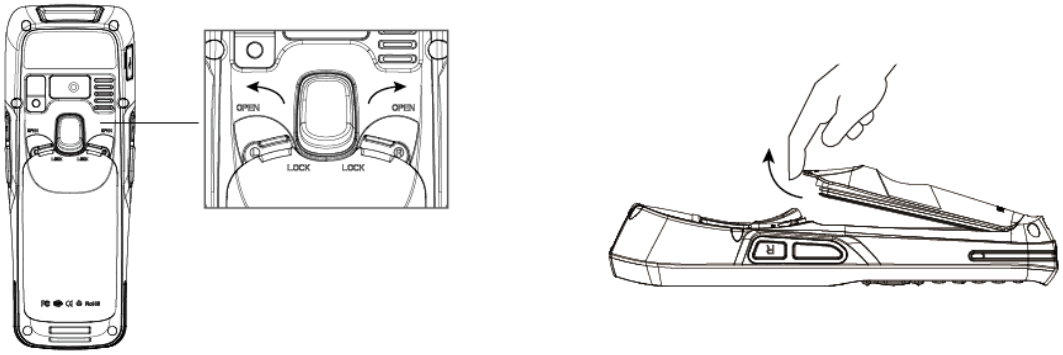


Figure 1-3 Disassembling the battery cover

2. Push the battery to the battery compartment and press it downwards.

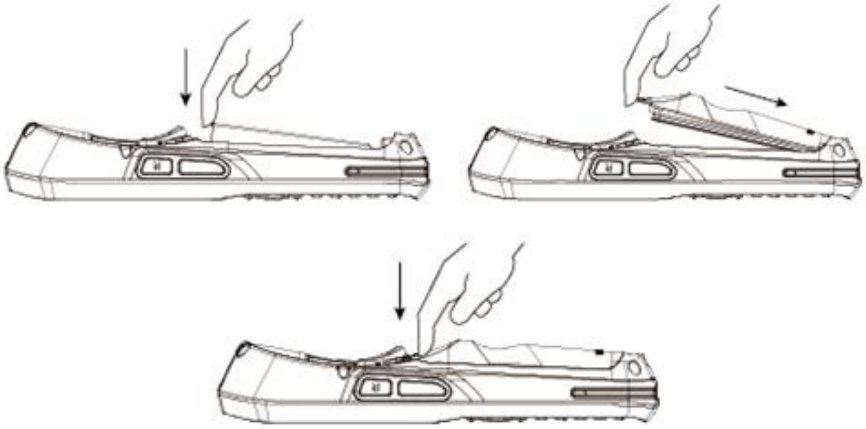


Figure 1-4 Installing the battery

3. Move the dialing buttons of the battery cover on the left and right along the LOCK direction to lock the battery cover.

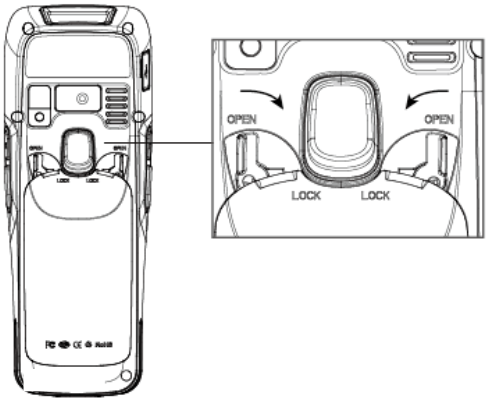


Figure 1-5 Installing the battery cover

1.3 Removing the Battery

To remove the battery, do as follows:

1. Move the dialing buttons of the battery cover on the left and right along the OPEN direction to pull up the battery cover.

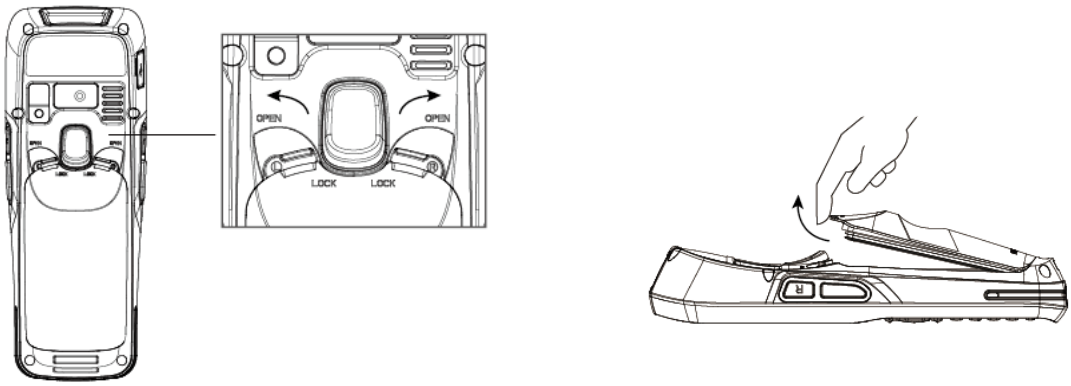


Figure 1-6 Disassembling the battery cover

2. Pull up the battery from the battery compartment.

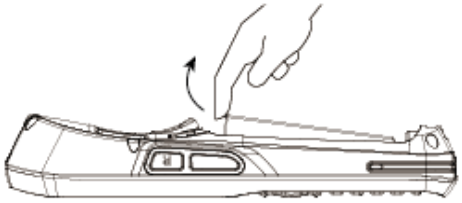


Figure 1-7 Removing the battery

1.4 Installing a SIM Card

1. Insert a SIM card by following the direction in the figure below.

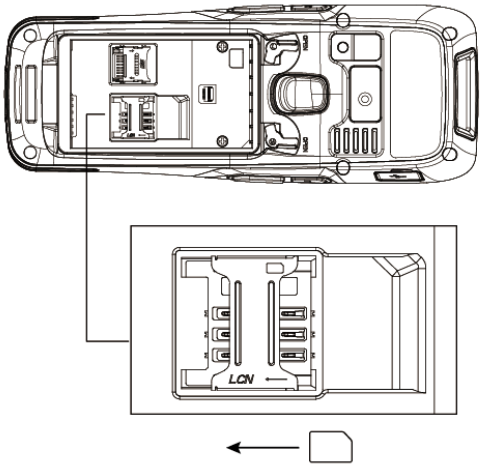


Figure 1-8 Inserting a SIM card

1.5 Inserting a TF Card

(Note: TF cards, namely Micro SD cards, are applicable to the iData 60.)

1. Open the card cover by following the OPEN direction marked on the card cover. When a click is heard, the card cover is completely opened.

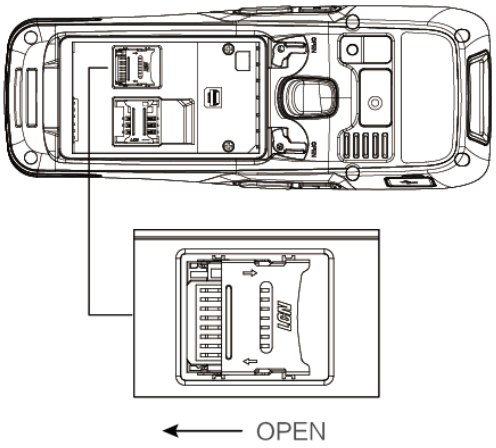


Figure 1-9 Opening the TF card cover

2. Open the card cover upwards and insert a TF card, as shown in the figure below.

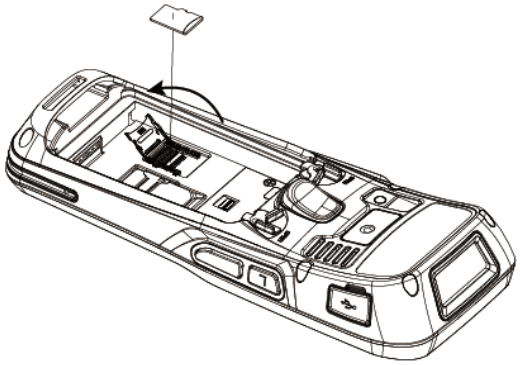


Figure 1-10 Inserting an TF card

3. Close the card cover, as shown in the figure below.

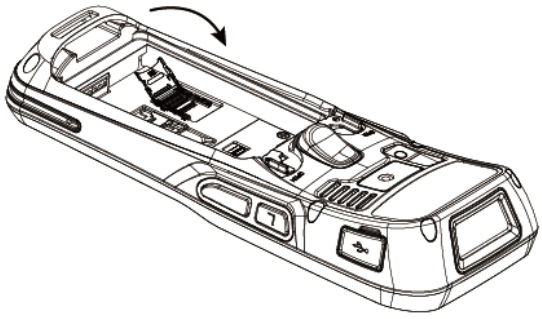


Figure 1-11 Closing the TF card cover

4. Pull back the card cover by following the LOCK direction marked on the card cover. When a click is heard, the card cover is completely pulled back.

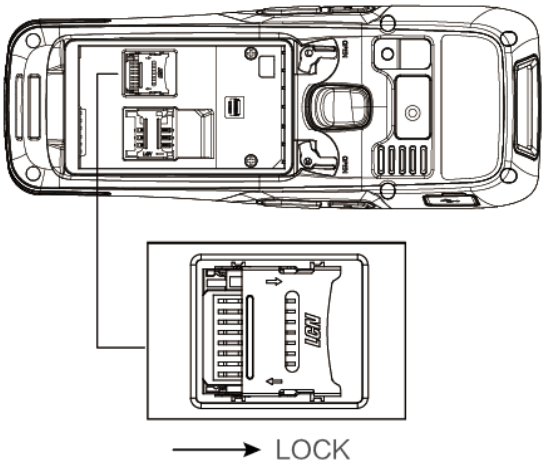


Figure 1-12 Pulling back the TF card cover

1.6 Charging

You can charge a battery by using:

1. Data cable at the bottom
2. Desktop stand (to be purchased separately)

Figure 1-13 Charging data cable at the bottom

Figure 1-14 Desktop stand

Description of charging indicator:

When the battery is in the charging status, the charging indicator is in red.

When the battery is fully charged, the charging indicator is in green.

When the battery volume is low, (1) a message indicating that the battery volume is less than 20% is displayed on the screen.

(2) the iData 60 gives out a low battery prompt tone.

(3) the charging indicator blinks in red.

2 Instructions on iData 60

2.1 Powering On/Off the iData 60

After installing a SIM card and a battery and charging the iData 60 completely, you can use the iData 60.

1. To power on the iData 60, press the On/Off key in the lower right part of the keypad for some time. The iData 60 vibrates, displays the startup screen and enters Android OS after the guide progress is complete. It takes some time for the iData 60 to initialize. Please wait patiently.
2. To power off the iData 60, press the On/Off key in the lower right part of the keypad for some time. A dialog box that provides shutdown options is displayed. Click **Power Off**.

2.2 Locking and Unlocking the iData 60

Locking the iData 60

Press the On/Off key to lock the iData 60. If you do not perform any operation for the iData 60 within the default locking time, the iData 60 is automatically locked.

Unlocking the iData 60

Press the On/Off key and slide the unlock key to the right on the screen.

2.3 Keys of the iData 60

The iData 60 provides a physical keypad that consists of 31 keys, as shown in the figure below. On the physical keypad of the iData 60:

Home key: go back to the home screen.

Menu key: used to show menus.

Scanning key: used to scan.

Back key: used to return to the previous operation screen.

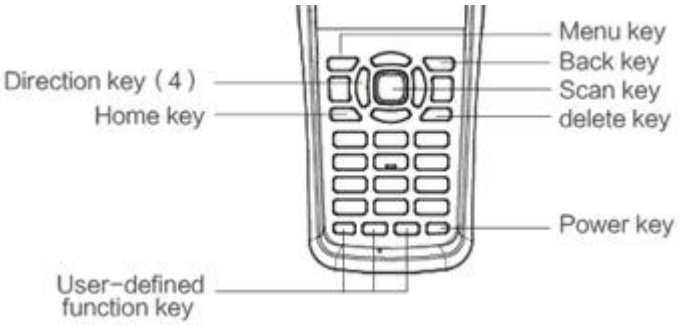
Direction keys (4)

OK key

Digit input keys

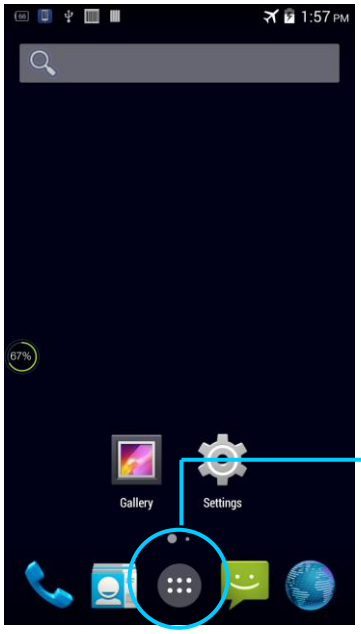
User-defined function keys: F1, F2 and F3 (Note: F1 is the uppercase or lowercase switching key.)

Volume keys: +, -



2.4 Home Screen

By default, the iData 60 has one home screen. You can add home screens by placing applications to the home screen and slide to the left or right to switch to another home screen. On the home screen, click the icon of any application to open the application.



★ Tips

- You can freely add or delete the icon of an application in the blank of the home screen.
- If you click the application tray, all applications can be viewed.

2.5 Status Icons and Indicators

Status icons and indicators are in the status bar at the upper part of the screen and show device status and notifications.

Table 2-1 Status icons

Icon	Description	Icon	Description
	WLAN		Signal strength
	Bluetooth		Flight mode
	USB connection		Network access restricted
	Missed calls		USB debugging
	New messages		Charging
	Modem logs		Battery full
	Silent mode		Multiple notification icons, which are beyond the scope of display
	Application permission		EDGE
	Connection between USB and PC pea pod		

★ Note

As software is upgraded continuously, status indicators may be different from those displayed on the iData 60. The actual status indicators prevail.

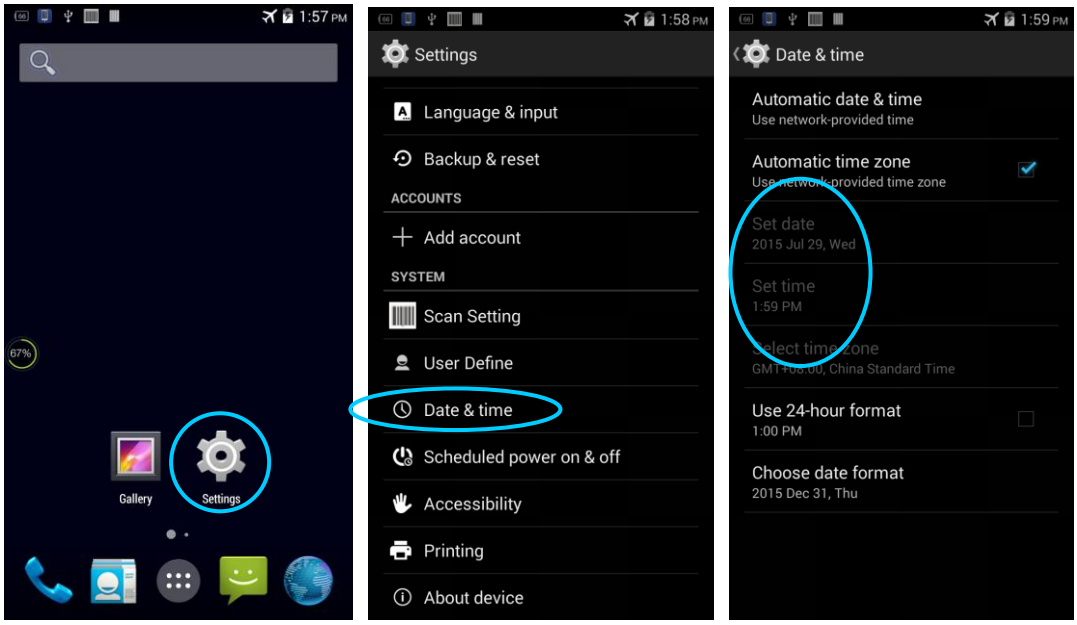
2.6 Basic Settings

2.6.1 Date and Time Settings

To change the date and time in the iData 60, do as follows:

1. Find the following icon.

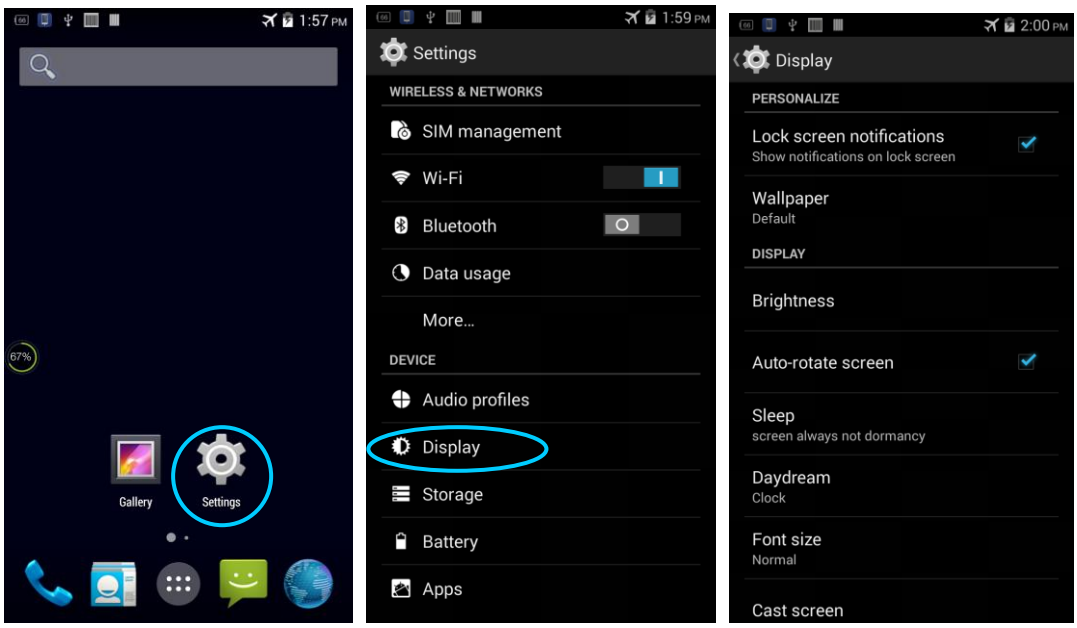
2. Select **Settings** > **Date & time** > **Set date** or **Set time**.



2.6.2 Display Setting

1. Find the following icon.

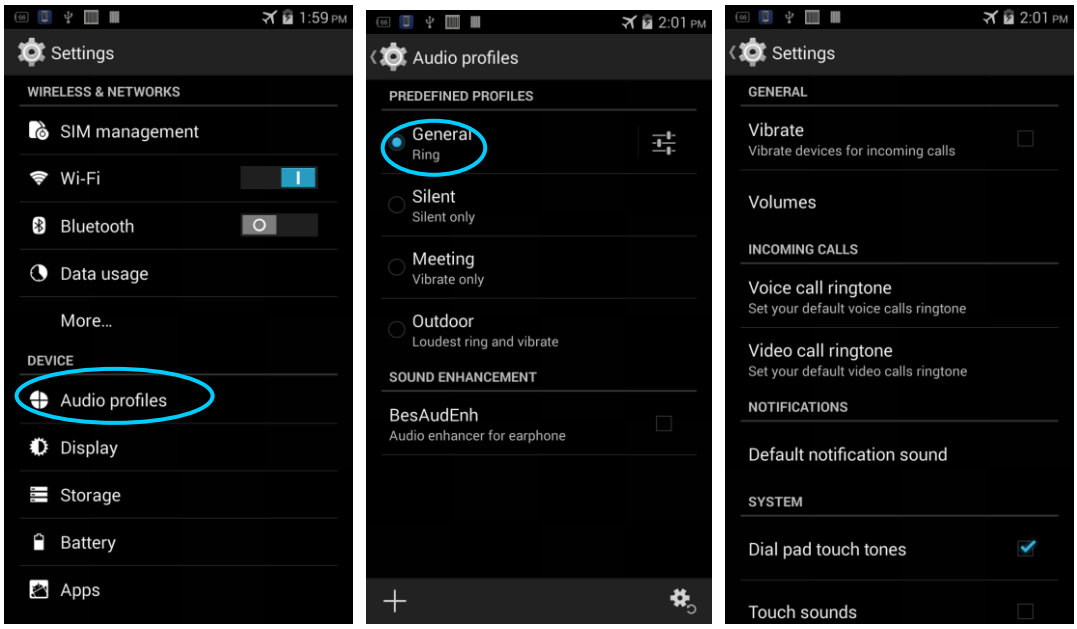
2. Select **Settings** > **Display** > **Lock screen notification/Wallpaper/Brightness/Auto-rotate/Sleep/Interactive screensaver/Font size/Cast screen**.



2.6.3 Ringtone Setting

1. Find the following icon.

2. Select **Settings** > **Audio profiles** > **General/Silent/Meeting/Outdoor**. Click different modes and set the ringtone in the modes.

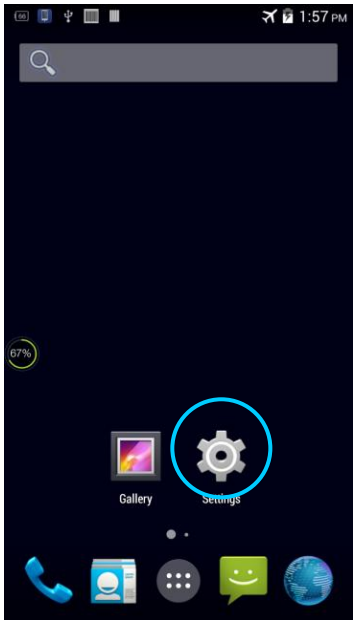


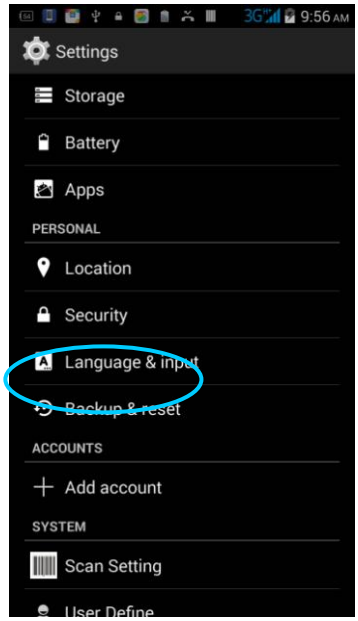
2.6.4 Security Setting

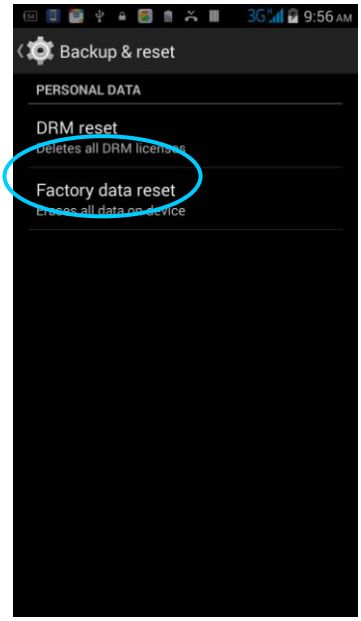
1. Find the following icon.

2. Select **Settings** > **Backup & reset** > **Factory data reset**.

The iData 60 starts to restore factory settings.







★ Caution

If you perform the preceding operation, the following data will be cleared:

- Account
- Data and settings of the system and applications
- Downloaded applications

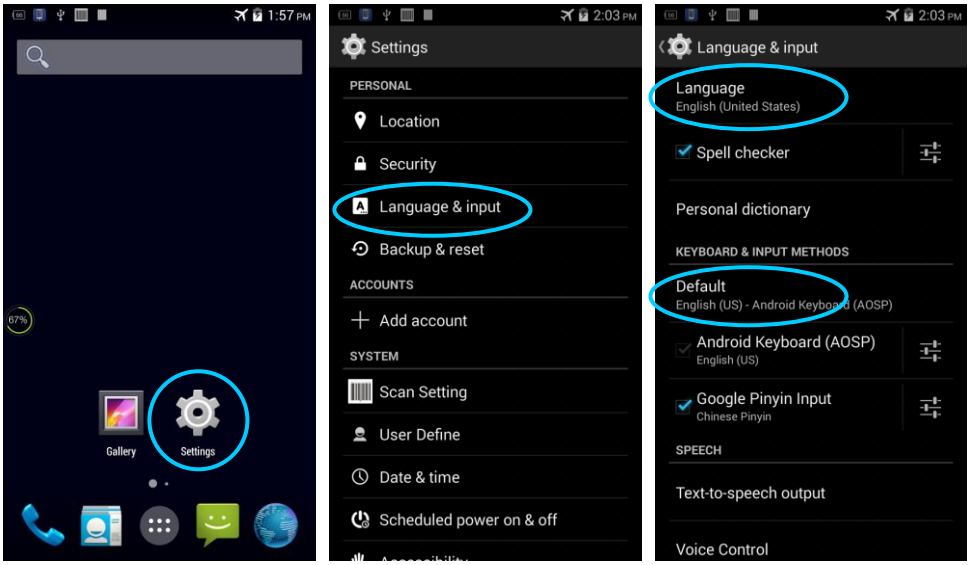
The following data will not be cleared:

- Current system software and bound applications
- Files in the SD card, for example, music and photos

2.6.5 Language and Input Method Setting

1. Find the following icon.

2. Select **Settings** > **Language & input**, click **Language**, select a language, click **Default**, and select an input method.



2.6.6 Shortcuts

You can add shortcut icons on the home screen of the iData 60.

On the home screen, click the icon of application tray, press and hold an icon and drag it to the home screen.

2.6.7 Widgets

You can add widgets such as clock, music player, and calendar on the home screen of the iData 60.

On the home screen, press and hold a blank space. The entry for setting wallpaper and widgets is displayed. Click a widget and drag it to a blank space.

Click the icon of a widget to open the widget.

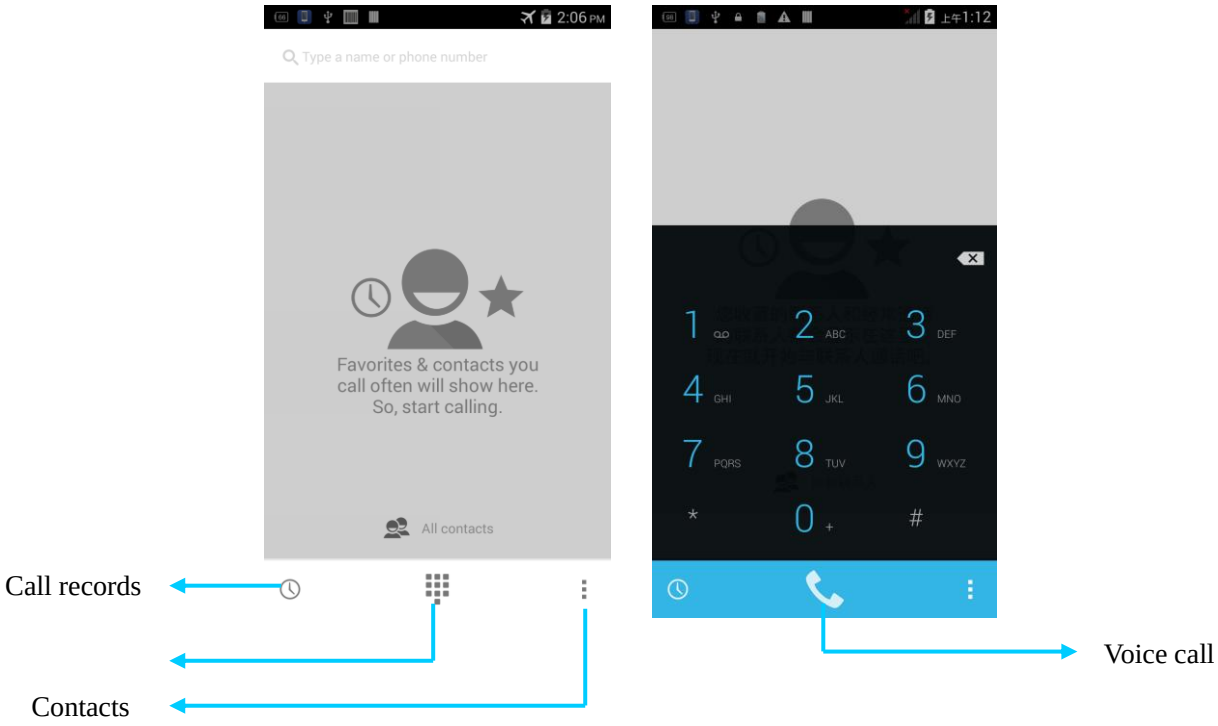
2:04 PM
WALLPAPERS
WIDGETS
SETTINGS
2:04 PM
Analog clock
Bookmark
Bookmarks
Calendar
2:05 PM
Tap setting to add cities

3 Call Function

3.1 Making a Call

1. 1. Find the following icon.

2. Enter a phone number.
3. Click to make a call.
4. Click to terminate the call.

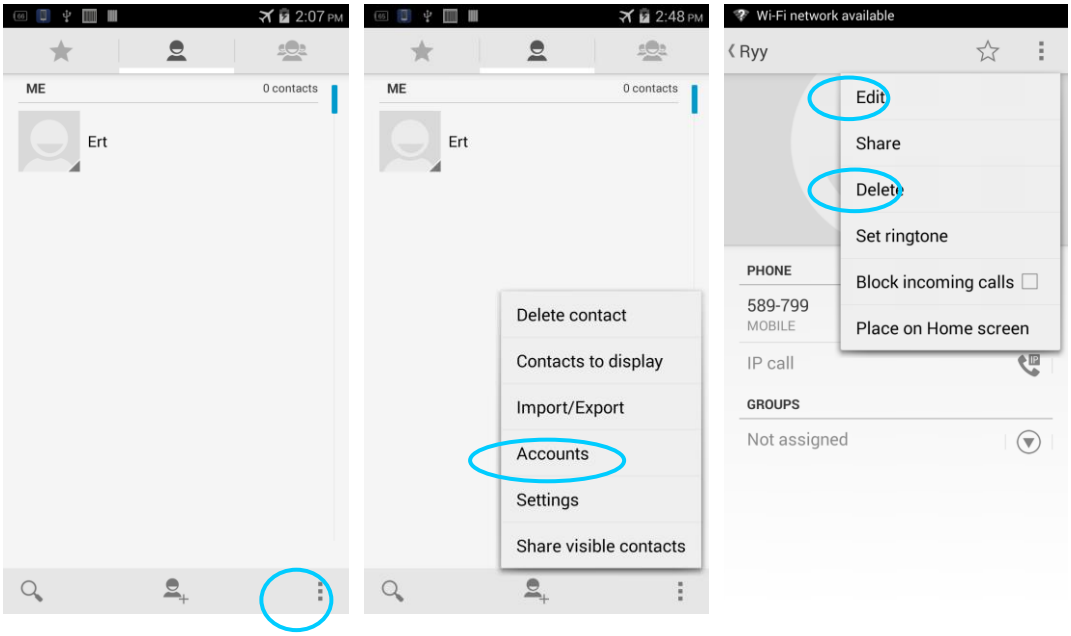


3.2 Contacts

1. 1. Find the following icon.

2. Click **Contacts** to open the list of contacts.
3. To add a contact, click .
4. To import or export contacts, press the menu key and click **Import/Export**.

5. To edit or delete a contact, select the contact, press the menu key and click **Edit/Delete**.

6. 

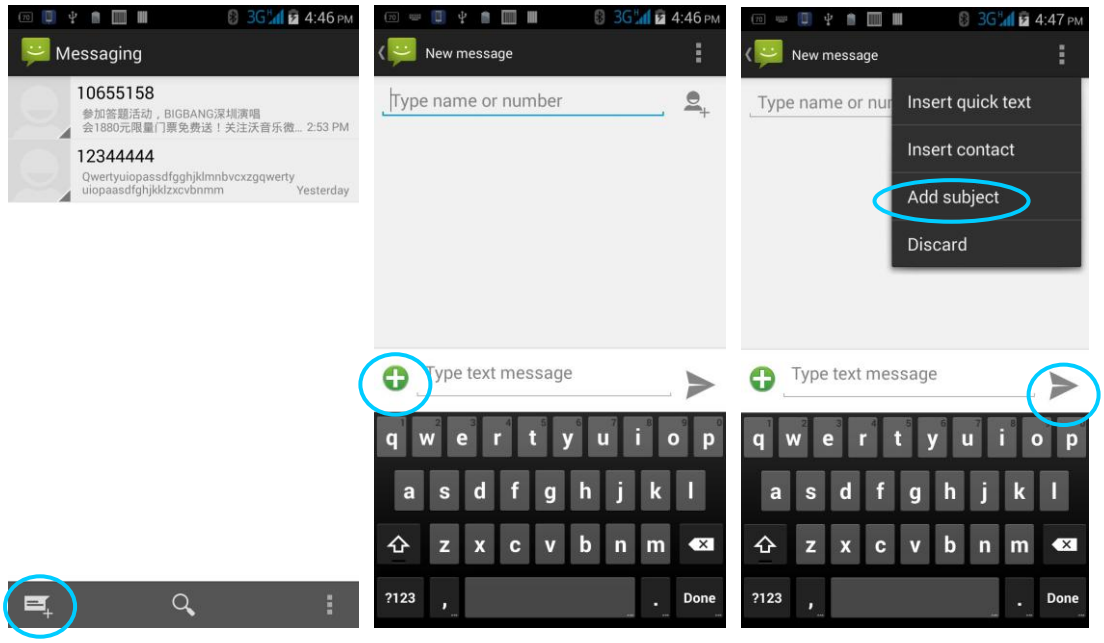
3.3 SMS and MMS

1. 1. Find the following icon.

2. Click enter a receiver and text to be sent.
3. Click to send the message.
4. On the message editing page, press the menu key, click **Add subject** to convert the message into a multimedia message. After editing the message, click to send the message.

★ Tips

Click to add attachments such as photo, video and audio.



3.4 Email

You can send or receive emails.

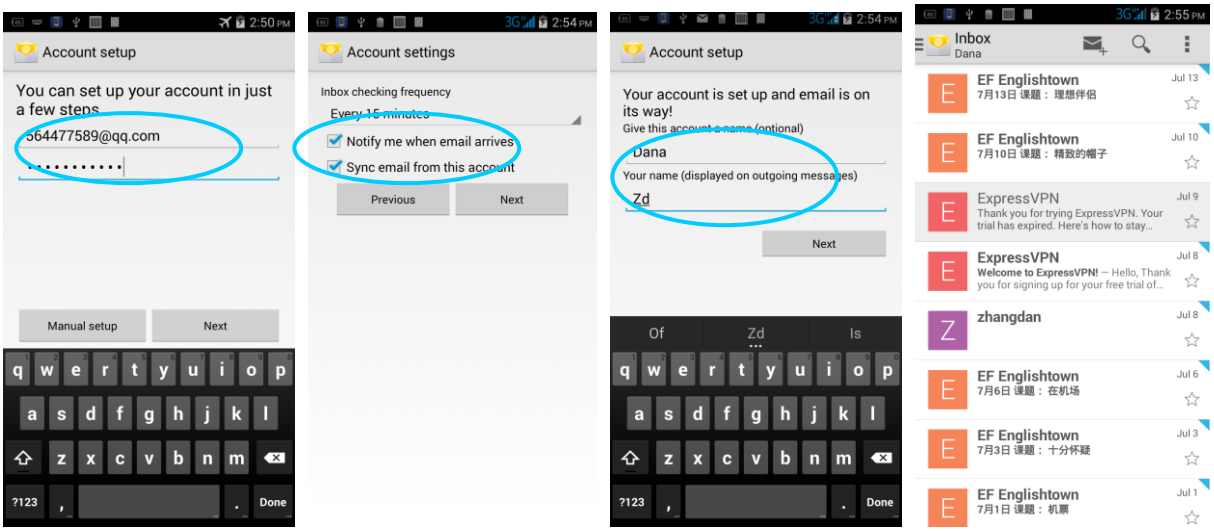
★ Note

To create an email account on the iData 60, first set the account on a PC. Take a QQ email account as an example. Log in to the QQ email account, click Setup in the upper right corner of the email account page, find and select the server option and inbox option and then save. The email account is set.

To set an email account on the iData 60, do as follows:

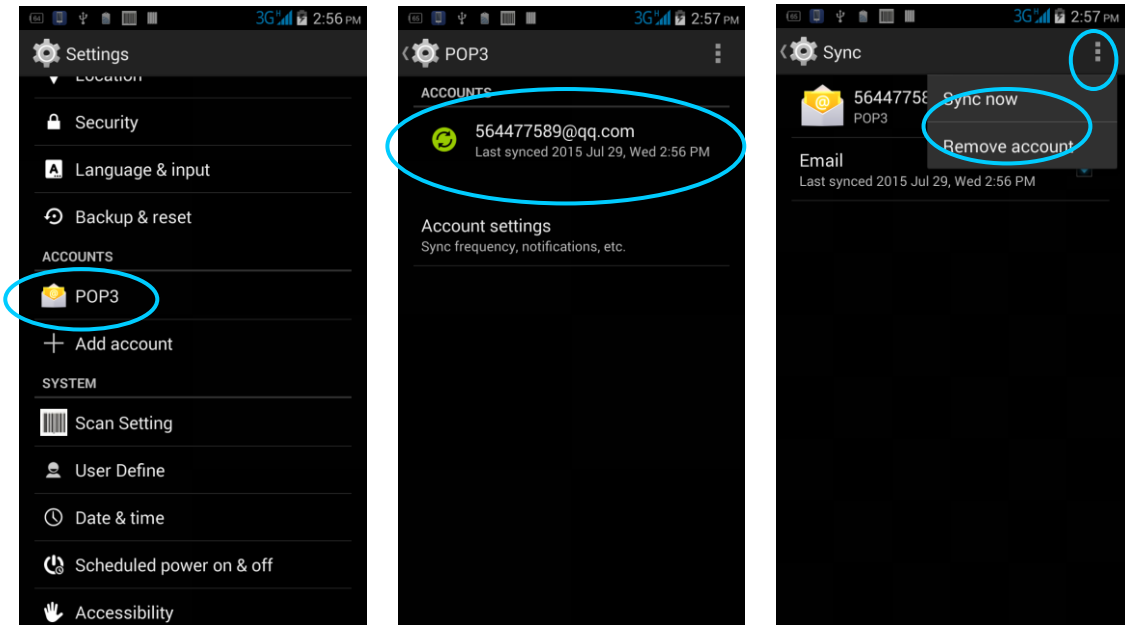
1. 1. Find the following icon.

2. Enter an email address and password and click **Next**.
3. Set **Inbox checking frequency** and click **Next**.
4. Create a name for the account and click **Next**. The email receiving page is displayed.



To synchronize or delete an account, do as follows:

1. On the home screen, click **Settings**.
2. Under the **Account** option, click **POP3** to open added accounts and click the name of an account to be synchronized or deleted. On the synchronization page, click ⋮ in the upper right corner and select **Immediately Synchronize** or **Delete Account**.



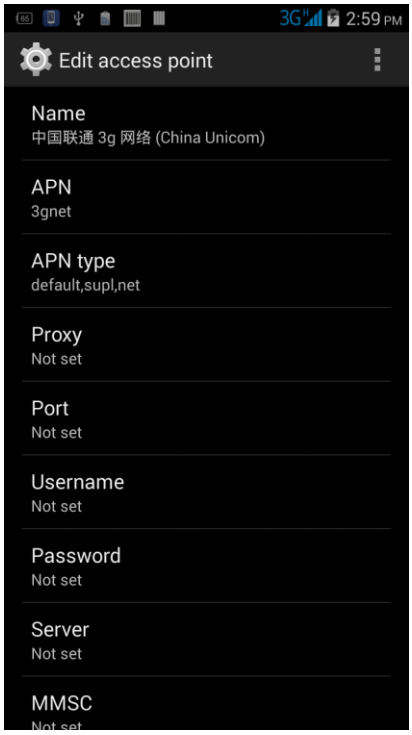
4. Network Connection and Connection Synchronization

4.1 GPRS Data Connection

After a GPRS data connection is established, you can access the Internet. To establish a GPRS data connection, ensure that a SIM card is installed in the iData 60. In general, the Internet access configuration is set on the iData 60. If you delete the default configuration by accident, you can set the network by performing the following steps (take the network of China Unicom as the example):

1. Find the following icon.

2. Select **Settings** > **More** > **Mobile network** > **APN** > **China Unicom 3G Network**.



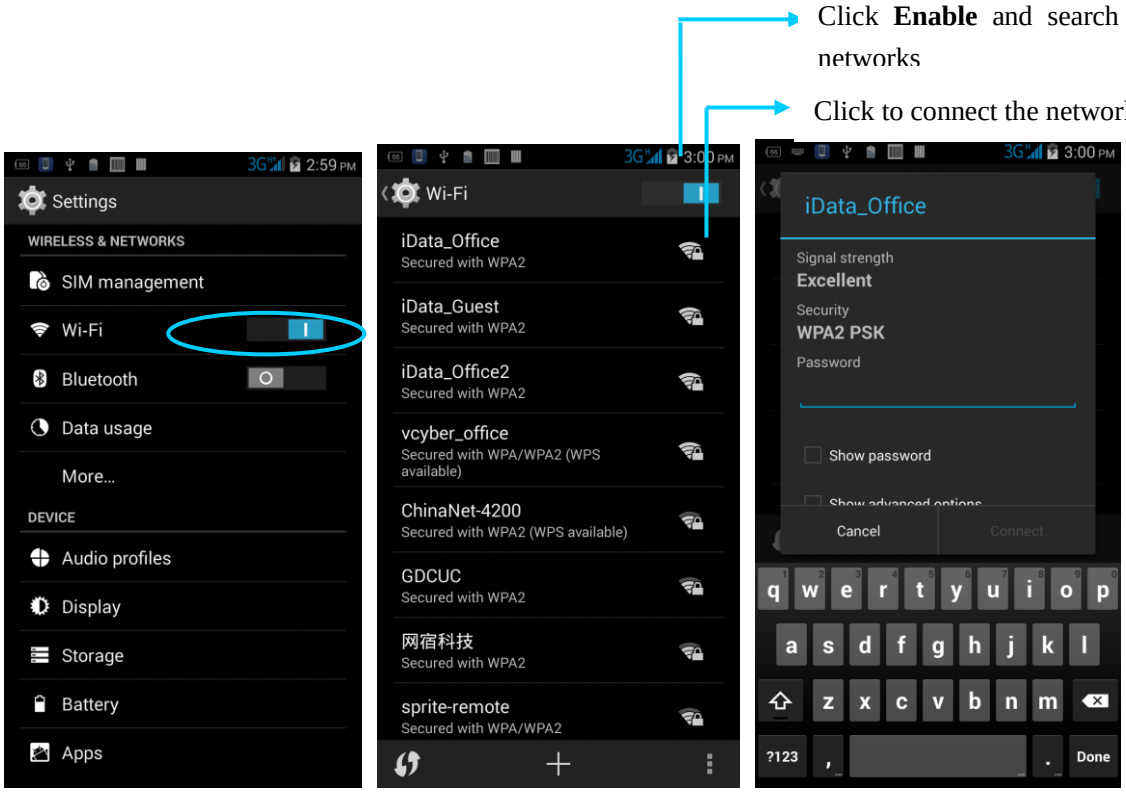
Then set the following items:
Name: China Unicom 3G network
APN: 3gnet
APN type: default, supl, net
Proxy: not set
Port: not set
Username: not set
Password: not set
Server: null
MMSC: null
MMSC: not set
MMS port: not set
MCC: 460
MNC: 01
Authentication type: null
APN protocol: IPv4
Enable/disable APN: APN enabled
Bearer system: null

4.2 Wi-Fi Network Connection

1. Find the following icon.

Select **Settings** > **WIRELESS & NETWORKS** > **WLAN**.

1. Click **Enable/disable WLAN**. The iData 60 starts to search for networks.If WLAN is enabled, click **Scan**. The iData 60 lists networks in the range of search.
2. Click a network and enter the password in the dialog box that is displayed.
3. Click **Connect**. The Wi-Fi connection is completed.



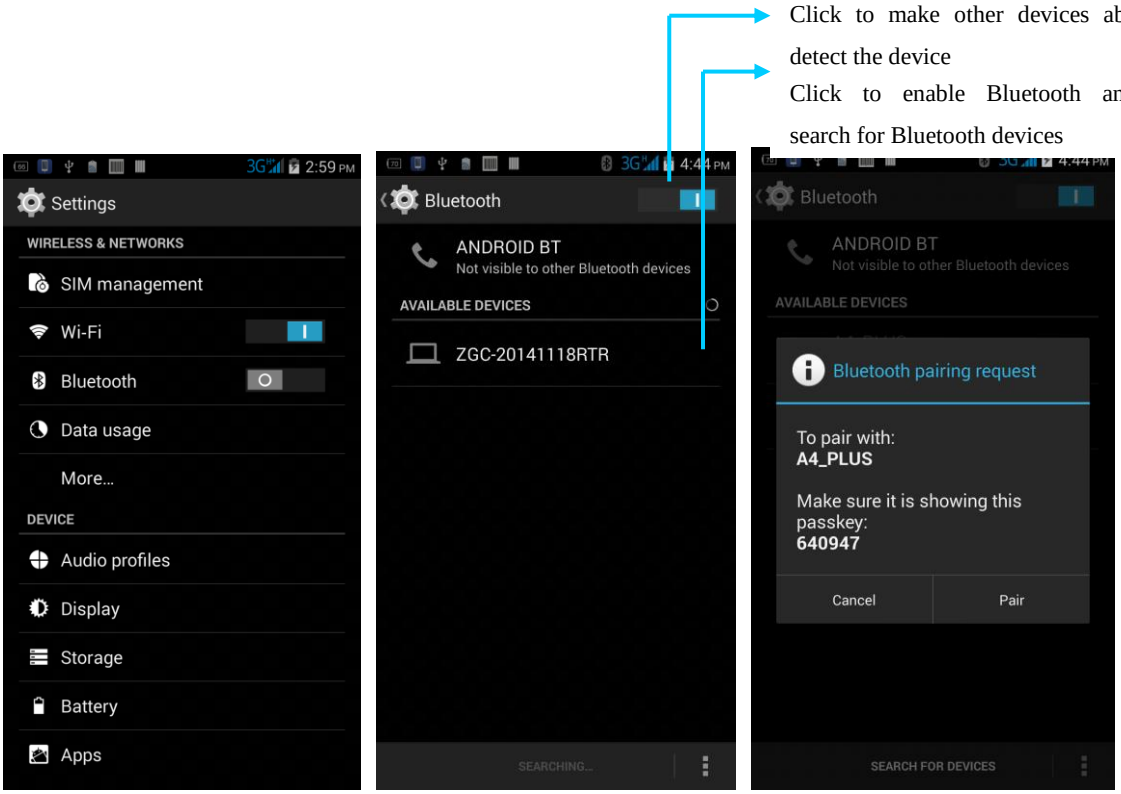
4.3 Bluetooth

On the iData 60, after you enable the Bluetooth function, you can establish wireless connections with other Bluetooth devices such as computers and mobile phones. In the scope without solid obstacles, the effect of Bluetooth connections is good.

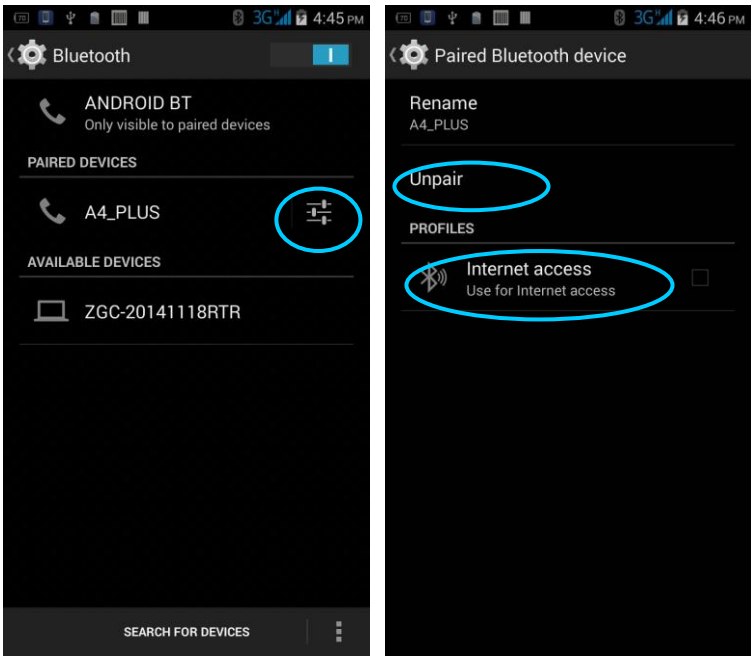
1. Find the following icon.

Select **Settings** > **WIRELESS & NETWORKS** > **Bluetooth**.

1. Click the icon for enabling/disabling Bluetooth to enable Bluetooth and search for other Bluetooth devices.
2. In the list of searched devices, click a device to pair the device.
3. In the dialog box that is displayed, confirm the PIN and click **Pair** to connect the device.



4. Click on the right of a paired device. The **Rename**, **Unpair** and **Internet access** options are displayed. Perform operation as required.

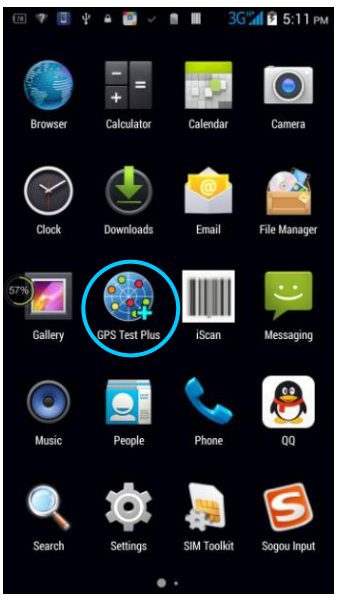


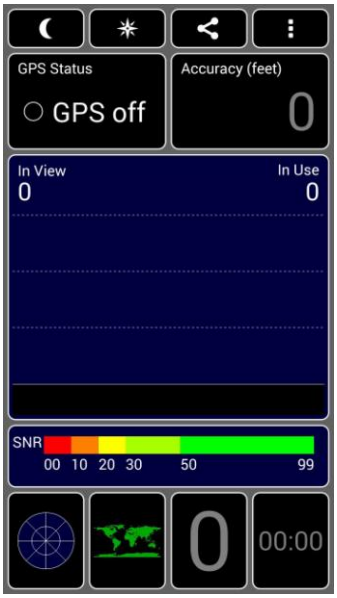
★ Caution

- Ensure that the device to be connected to the iData 60 enables the Bluetooth function and enables Bluetooth visibility.
- During the connection process, set and pair the PIN. The iData 60 does not support connection without a password.

4.4 GPS

The iData 60 is equipped with a high-performance navigation chip and can quickly and accurately obtain position information. iData provides a GPS positioning demonstration program GPS Test. Before using GTS positioning, install the demonstration program. You can download navigation software in HiMarket (for details on how to install GPS navigation software and information about HiMarket, see 6.1 “Installing Program”) and view position information.

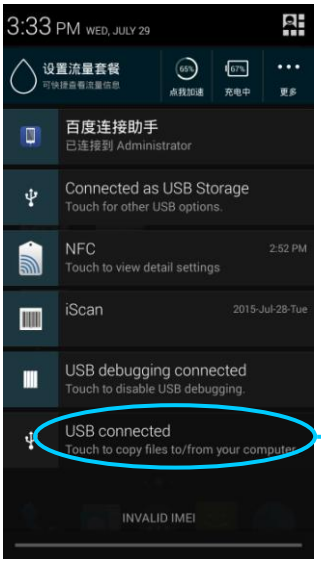




4.5 Connecting the iData 60 to a PC Using USB Data Cable

Connect the iData 60 to a PC by using a USB data cable so that you can transmit and process files such as photo, video and music files between the memory card of the iData 60 and the PC.

1. Connect the iData 60 to a USB port of the PC by using a USB data cable.
2. The status bar of the iData 60 displays the USB connection icon. Slide downwards the status bar. The USB connection status can be viewed and the USB connection mode can be selected.



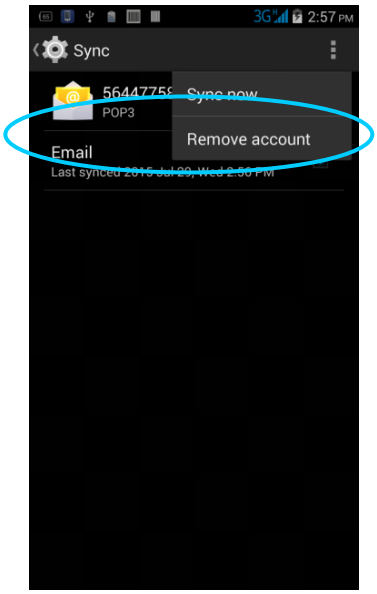
Click the option to open the USB storage device and copy files between the PC and

4.6 Synchronization

1. Find the following icon.

Select **Settings** > **Accounts & sync**.

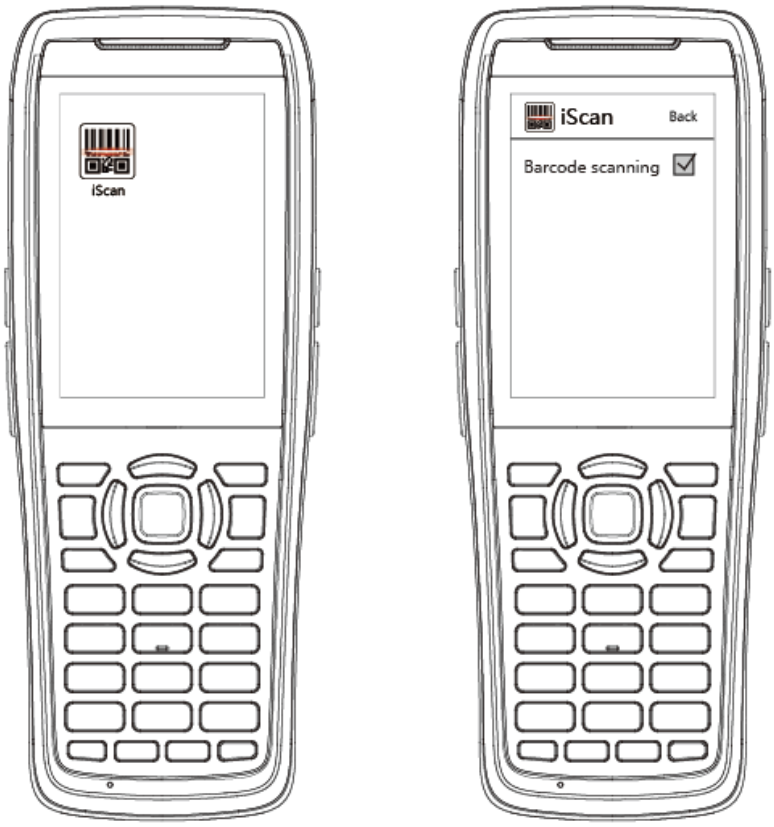
1. Click **Add account** to set a new account.
2. Select **Company** or **Email**, enter the email address and password, click **Next** and wait until the connection is complete (for details about email setting, see 3.4 “Email”).
3. Click **Accounts**. On the synchronization setting page, perform setting as required.



5. Enabling Barcode Scanning

To start the iScan and enable scanning, do as follows:

1. Find the iScan icon on the menu page and click the icon.
2. Tick the square box on the right of “Enable barcode scanning”. The scanning function is enabled (if you click the square box again, the function is disabled).
3. Press the yellow key. The iScan starts to scan a barcode. If the scanning indicator becomes green from red and a beep is heard, the barcode is scanned successfully.



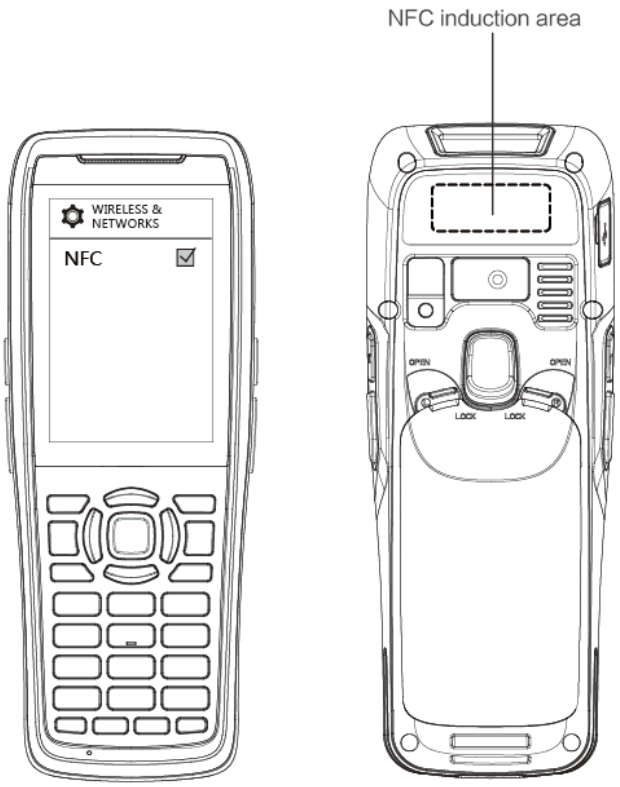
★ Caution

- iScan is a scanning application. It is installed and enabled by default before delivery. You can download the latest version of iScan from http://t.cn/8k5hWCo.

6. Enabling the NFC Function

To enable the NFC function, do as follows:

1. Click the **Settings** icon on the menu page.
2. Select **WIRELESS & NETWORKS/More** > **NFC**.
3. Tick the square box on the right of “NFC”. The NFC function is enabled (if you click the square box again, the function is disabled).
4. Put an NFC card close to the back of the iData 60. After a beep is heard, the card is read successfully.



7 Managing iData 60

7.1 Installing Applications

The iData 60 uses Google Android OS, where the suffix of Android software is apk. To install applications on the iData 60, use the following methods:

1. Download and install applications through an Android software download platform such as Google Play (HiMarket) and HiMarket.
2. Download software installation packages, store them on the SD cad and install the applications through file manager.
3. Connect the iData 60 to a PC by using a USB data cable and install applications for the iData 60 on the PC. However, first of all, you need to install a phone assistant application such as APK install, pea pod and phone assistant 91. In this way, applications can be installed in batches.

7.2 Uninstalling Applications

If too many applications are installed or some applications are unnecessary, uninstall applications to improve the running speed of the iData 60. To uninstall an application, do as follows:

1. Select **Settings** > **App**. In the application list that is displayed, select an application and click it. On the page for uninstalling the application, click **Uninstall** and then click **OK**. Wait several seconds until the application is uninstalled.
2. Click the application tray. On the application screen, find the icon of an application, press and drag the icon to the dustbin to uninstall the application.

7.3 Managing Applications

Select **Setup** > **App**. On the application management screen, you can view application status in the options such as Downloaded, SD Card and Running, click an application, access the application information screen, and perform operations such as forcibly stopping, uninstalling and stopping an application.

8 Precautions and Troubleshooting

8.1 Precautions

To ensure that the iData 60 does not fail, follow the following precautions during use of the iData 60:

- Put the iData 60 and its components and accessories in the places where children cannot reach.
- Keep the iData 60 dry. Rain, moisture and liquid contain acidic materials and will corrode the circuit board.
- Do not store or use the iData 60 in dusty or dirty places.
- Do not store the iData 60 in a place that is too hot. High temperature will shorten the service life of electronic components.
- Do not store the iData 60 in a place that is too cold. When the temperature inside the iData 60 rises, moisture is generated inside the iData 60, which may damage the circuit board.
- Do not try to disassemble the iData 60. Otherwise, the iData 60 may be damaged.
- Do not touch the screen surface of the iData 60 by using a pen, a pencil or other sharp articles in case the screen may be scratched.
- Do not throw, beat or violently collide the iData 60. Otherwise, the components of the iData 60 may be damaged and the iData 60 may be faulty.
- Do not use strong chemical products or strong detergent to clean the iData 60. If the iData 60 become dirty, clean the surface of the iData 60 by using a soft cloth soaked with dilute glass detergent.
- Please use the protective film to reduce wear as much as possible. The screen protective film can improve the availability and durability of the screen.

Pay attention to the following during use of the battery.

- The area where the iData 60 is charged must keep away from scraps, inflammables or chemical substances.
- When you charge the battery of a mobile device, the temperature on the battery and charger must be in the range 0°C to 40°C.
- Do not use incompatible batteries or chargers, which may cause fire, explosion, leakage or other hazards.
- Do not disassemble, press, twist, pierce or cut the battery.
- Do not make the battery short-circuited or contact the connecting terminal of the battery by using metal or other conductive objects.
- Do not insert other materials into the battery, contact the battery with water or other liquid, or expose the battery in an open fire, explosive source or other sources of danger.
- Do not put or store the battery in the environment where the temperature is too high.
- Do not put the battery in a microwave oven or a drying machine.

- Do not put the battery into a fire.
- If the battery leaks, do not let the liquid stain your skin or eyes. Otherwise, wash your skin or eyes with lots of water and go to see the doctor immediately.

Cleaning iData 60

- Shell

  Clean the shell by using a cloth soaked with alcohol, including keys and space between keys.

- Display screen

  You can clean the display screen by using a cloth soaked with alcohol. Do not let the liquid gather around the screen. Otherwise, dry the screen by using a soft non-woven cloth in case strip marks are left on the screen.

- Scan lens

  Clean the scan lens regularly by using lens paper or other articles suitable for cleaning optical materials.

8.2 Troubleshooting

Table 8-1 iData 60 troubleshooting

Fault	Cause	Solution
After the power key is pressed, the iData 60 is not powered on.	The battery volume is too low or the battery is not charged.	Charge the battery or replace the battery.
	The battery is incorrectly installed.	Correctly install the battery.
	The system breaks down.	Restore factory settings.
The rechargeable battery can no longer be charged.	The battery fails.	Replace the battery.
	The temperature of the battery is too high or low.	Put the battery in normal temperature.
During data communication, data is not transmitted or transmitted data is incomplete.	The cable configuration is incorrect.	Consult the system administrator.
	The communication software is incorrectly installed or configured.	Install or reinstall the synchronization software to update the driver.
The relevant function is not activated after a user clicks a button or icon.	The system does not respond.	Restart the system.
No sound can be heard.	The volume is too low or is disabled.	Adjust the volume.
The iData 60 is closed.	The iData 60 is in the inactive state.	After being inactive for a period of time, the iData 60 is locked.
	The battery is used up.	Replace the battery.
The iData 60 responds	Too many files are stored in	Remove unused memos and records. If

Fault	Cause	Solution
at a low speed.	the iData 60.	necessary, save the records on the host or increase the storage capacity by using an SD card.
	Too many applications are installed on the iData 60.	Remove applications installed on the iData 60.
The iData 60 cannot decode a barcode while reading it.	The scan application is not loaded.	Load the scan application in the iData 60.
	Reading a barcode fails.	Check that the barcode is not defective.
	The battery volume is low.	If the scanner stops sending out a light beam after you press the trigger switch, check the battery volume.

Table 8-2 Bluetooth troubleshooting

Fault	Cause	Solution
The iData 60 cannot detect any Bluetooth device nearby.	The iData 60 system is too far away from other Bluetooth devices.	Move the iData 60 close to other Bluetooth devices, making the distance between them within 10 meters.
	The Bluetooth devices nearby are not enabled.	Enable the Bluetooth devices you are searching for.
	Bluetooth devices are in a mode that cannot be detected.	Set Bluetooth devices in a mode that can be detected.
When a user attempts to connect a Bluetooth phone to the iData 60, the Bluetooth phone identifies the iData 60 as the previously paired iData 60.	The Bluetooth phone memorizes the name and address of the iData 60 paired previously over Bluetooth.	Remove the paired device and the name from the Bluetooth phone.
A Bluetooth device can be detected but cannot be connected.	The iData 60 does not support connecting a Bluetooth device without a password.	Set a password for the Bluetooth device.

Table 8-3 Cable troubleshooting

Fault	Cause	Solution
Charging fails.	The cable is in poor contact.	Replace the cable.
Connecting to the iData 60 fails.	The cable is in poor contact.	Replace the cable.

Table 8-4 Wi-Fi troubleshooting

Fault	Cause	Solution
Connecting to an AP fails.	The message “Authentication failed” is displayed.	The password of the WLAN device is incorrect.

Appendix

Table 1 Accessories of the iData 60

Component	Description
iData 60	
Standard battery	
Bottom charging cable	Used to charge the battery.
Hand strap	
Wrist strap	
Package	
Quick guide	
Warranty card	
1-slot communication charger	Optional

Table 2 Technical specifications of the iData 60

Item	iData 60
System configuration	
Processor	Dual-core 1.2 GHz high-performance processor
OS	Android 4.2
Memory	4 GB ROM + 1 GB RAM
Extended slot	Micro SD card (Up to 32 GB is supported)
Display screen	3.2-inch HVGA (320x480),high brightness TFT LCD, LED backlight
Touch panel	Industrial-grade capacitive touch panel (support operation by wearing gloves and using dry or wet hands)
Camera	5M pixel autofocus with LED fill-in light
Scan lens glass	Corning Gorilla glass
Keypad	Durable internal transmittance industrial keypad
Battery	3.7 V 4600 mAh lithium polymer battery
Quick charging	Support quick charging
Audio	Built-in microphone
Prompt	Vibration prompt/LED prompt/audio prompt
Vibration motor	Built-in program controlled vibration motor
Sensor	G-sensor (gravity sensor)
Structure parameters	
Dimensions (L x W x D)	183mm x 69mm x 35mm
Weight	280g (including battery)
Communication and transmission	
WWAN (frequency)	3G (WCDMA): 850 MHz/2100 MHz; 2G (GSM) 850/900/1800/1900 MHz
WWAN (data services)	2G: GPRS/EDGE; 3G: WCDMA (HSPA+)
WLAN	Wi-Fi 802.11b/g/n

Item	iData 60
Bluetooth	Bluetooth 4.0
GPS	High-performance GPS
Operating environment	
Development tool	Android SDK+JDK+Eclipse
Supported language	Java
Operating temperature	-10°C to 50°C
Storage temperature	-20°C to 60°C
Humidity	0 to 95% (non-condensing)
Drop specification	Multiple drops to cement ground from a distance of 1.5m
Tumble Specification	500 0.5-m tumbles (1000 hits)
Sealing standard	IP65
ESD	± 15 kV air discharge, ±8 kV direct discharge
1D laser scanning engine	
Optical resolution	≥ 4 mil
Scanning depth of field	3.81 cm - 60.98 cm
Scanning angle	47° ± 3° (standard)
Scanning speed	102±12 times per second (two-way)
1D/2D image scanning engine	
Optical resolution	≥ 3 mil
Scanning angle	Omni-directional
Scanning speed	300 times per second
NFC	
Frequency	13.56 MHz
Reading distance	≤ 5 mm
Protocol	NFC
Input/output port	
USB port	1 (Micro USB port)
Charging port	1 (Charging interface at the bottom)

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If you have any question, you are free to send an email to idata@idatachina.com.

Wuxi iData Technology Company Ltd.

Floor 11, Building B1, Wuxi (Binhu) National Sensing Information Center, No.999 East Gaolang Road, Wuxi City, China

Z 214131
M idata@idatachina.com
W www.idatachina.com