



ATEX/IECEX
ZONE 1/21

Intrinsically Safe Mobile Phone - Ex Mobile 20

User Manual

Disposal of Old Electrical and Electronic Equipment



The symbol of the crossed-out wheeled bin indicates that within the countries in the European Union, this product, and any enhancements marked with this symbol, can not be disposed of as unsorted waste but must be taken to separate collection at their end-of-life.

EU - Declaration of Conformity



We, Safex Instruments Limited declare under our sole responsibility that the products listed below are in conformity with Directive 2014/53/EU.

Disposal of Battery



Li-ion

Please check local regulations for disposal of batteries.
The battery should never be placed in municipal waste.
Use a battery disposal facility if available.



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

Charging Mode



For charging the temperature for the adapter and the
Ex Mobile 20 Series shall not higher than 40 °C.

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Remark: * If need to change to Camera & Video & Photo is optional. If any clarifcaton contact to Safex Instruments Limited *

Email: sav@safexinstruments.com

Safety Information

Safety Specifications and Instructions for Battery of Mobile Phone

Recommended Use Considerations

Before the use of battery, please carefully read this operation instruction and the battery surface mark.

During use, the battery shall be away from the heat source and the high pressure, and the children shall be prevented from playing batteries. Never knock the battery.

This battery shall be only charged with the original match able charger.

Do not enable the battery anode and cathode short-circuited

Do not assemble or disassemble the battery by yourself.

Do not put the battery in the damp place to avoid danger.

Store the battery in good condition if it is not used for a long time. Make the batter in the half-charge state, not fully charged and also not fully discharged.

Danger Warning

Forbid to assemble and disassemble the battery

The protection mechanism and the protection circuit are arranged in the circuit to avoid danger.

The improper assembly and disassembly will damage the protection function, which will cause battery heating, smoking, distortion or burning.

Forbid to cause the battery to be short-circuited

Do not connect the anode with the cathode through the metal

Do not store and move the batter and the metal together. If the battery is short-circuited, the ultrahigh circuit will flow through the battery to damage the battery and result in battery heating, smoking, distortion or burning.

Avoid using the battery near the power supply

Do not use the battery near the fire source and the oven or in the environment exceeding 80℃. Overheat will cause short circuit inside the battery to result in battery heating, smoking, distortion or burning.

Use the special charger and correctly charge

The use of non-special charger to charge the battery will cause danger. Charging in the abnormal condition will cause the loss of the function of the protection circuit inside the battery and abnormal chemical reaction, and the battery may be heated, smoke, and be distorted or burnt.

Forbid to damage the battery

Forbid to penetrate into the battery with the metal, beat or knock the battery or damage

the battery by other means, otherwise it will may cause battery heating, smoking, distortion or burning, even result in danger.

Do not use the battery for other devices

The improper service conditions will damage the battery performance and reduce the service life, even cause battery heating, smoking, distortion or burning.

Warnings

Do not place the battery on the charger for a long time

If the charger still charges the battery beyond the normal charging time, it should stop charging
Abnormal charging may cause battery heating, smoking, distortion or burning.

Do not place the charger into the microwave oven or other pressure vessels.

Transient heating or structural damage will cause battery heating, smoking, distortion or burning.

The leaky battery should be kept away from fire

If the leaky battery is found (or there is peculiar smell), it shall be kept away from fire, otherwise the leaked electrolyte will catch fire, even cause other dangers.

Headphones should not be too loud

Be careful to use headphones, too loud may lead to hearing loss.

Precautions

Do not expose the battery continuously on sunlight, It may lead to heating, distortion and smoking.
At least avoid reducing the battery performance and the service life.

Anti-static

The protection circuit installed in the battery can avoid various unforeseen circumstances.

Do not use the battery in the high-voltage electrostatic site as the static is easy to damage the protection board to cause the abnormal operations of the battery such as heating, smoking, distortion or burning.

User manual

Before using the battery, please carefully read the user manual and frequently read it as required.

Charging mode

Please use the Safex certified charger & charging cable to charge your Ex Mobile 20. And the recommended charging mode. Charge the battery in the recommended environmental condition.
The device may only be charged at temperatures between +5°C ... +40°C.
Equipment working temperature is -20°C to +55°C.

Do not exceed the permissible storage temperature range of -20 °C ... +60 °C!

Recommended temperature for long term storage is 20°C ± 3°C.

Use and Maintenance of Mobile Phone

This mobile phone is a product designed by the latest technology. Please carefully use it.

The following suggestions will help the users better use and maintain the mobile phone.

Place the mobile phone and all parts at the place that the children cannot touch.

Do not store the mobile phone at the high temperature place. High temperature may shorten the service life of the electric device, damage the battery, distort or melt some plastic parts.

Do not store the mobile phone at the low temperature place. When the battery is move to the normal temperature place from the low temperature place, the moisture may be generated inside the battery to cause the damage of circuit board.

Never try to disassemble the mobile phone. The improper handling of unprofessional personnel may cause the damage of this device.

Do not use any chemical cleaning agents to clean the device and the charger. Use a damp and anti-static soft cloth for cleaning.

Please use the original fittings recommended by the manufacturer. The unauthorized fittings may damage the mobile phone.

If the mobile phone is moistened accidentally, please turn off and remove the battery, determine that the mobile phone has been dried, and then use the mobile phone.

Never make the metal parts (specially configured charger interface and data line interface) in contact with the charger interface of the mobile phone for fear of short circuit.

Import Instructions

When using this mobile phone, please exactly follow the following precautions to avoid possible disasters or legal penalties.

Pay Attention to Flight Safety

Never use the mobile phone on the airplane. The navigation system on the airplane may be interfered by the mobile phone. Many countries regulate that the mobile phone shall be prohibited to be used on the airplane.

Pay Attention to the Surrounding Environmental Safety

Never use the mobile phone in the gasoline station. In addition, never use the mobile phone in the oil storage plant, the chemical plant and when there are flammable or explosive objects around.

Pay Attention to the Traffic Safety

Be careful when driving the vehicle, and avoid calling and driving at the same time as far as possible.

Pay Attention to Radiated Interference

When using the mobile phone, keep the mobile phone away from the article or instrument susceptible to interference as far as possible. We suggest that you should be 2.5 CM away from the antenna when using the mobile phone.

Pay Attention to the Interference With the Medical Facilities

Some medical instruments may be interfered when the mobile phone is used. Most of hospitals prohibit you to use the mobile phone in the hospitals.

Pay Attention to the Storage Environment

Keep the mobile phone away from the magnetic equipment such as magnetic card and floppy disk. The radiation of mobile phone will erase the information stored on the magnetic equipment.

Warnings

There is no part for the user to self-repair in the mobile phone. If you doubt that the mobile phone is damaged, please rapidly send it to the designated service and maintenance center to be maintained by the qualified technical personnel

Never disassemble the mobile phone by yourself, otherwise you may suffer from electric shock or other injuries.

Never let the children to use the mobile phone or its fittings. The improper operation of the children may damage the mobile phone or its fittings or cause injuries to yourself or others.

At the same time, the removable parts of the mobile phone such as SIM card, memory

card, etc. may be swallowed by the children to cause the danger.

When using the mobile phone, keep the mobile phone away from high temperature and avoid solarization. Please keep it in the dry and cool place.

Safex Instruments Limited will not assume any liability for damages caused by disregarding any of these advices or by any inappropriate use of the device.

Attentions:

1. Before waterproof test, tightly close each position of the battery cover so as to avoid water leakage.
2. As the USB seat and the charger seat of the machine belong to waterproof devices, the machine needs to be dried and placed for a period of time after waterproof test and only can be used after there is no water the USB seat and the charger seat.
3. for pluggable equipment, the socket-outlet shall be easily accessible

1.Introduction

1.1 Insertion and Removal of SIM Card

Turn off the phone, remove the battery cover at the back, unscrew the screw on the battery, remove the battery, and remove the SIM card holder on the top of the battery compartment.

Install the SIM card onto the SIM holder, with the edges and corners of the card matching the card slot. Slide the SIM card buckle into the correct position, then press to secure the SIM card. If you need to remove the SIM card, please turn off your phone first, remove the battery cover, unscrew the screw on the battery, remove the battery, remove the SIM card holder on the top of the battery compartment, and finally gently remove the SIM card.

Tips: SIM does not support hot plug. Do not remove SIM in standby mode for fear of damaging SIM card.

1.2 Insertion and Removal of Memory Card

Turn off the phone, remove the battery cover at the back, unscrew the screw on the battery, remove the battery, and remove the card holder on the top of the battery compartment.

Install the memory card onto the card holder, with the edges and corners of the card matching the card slot. Slide the card holder into the correct position, then press to secure the card holder.

If you need to remove the memory card, please turn off your phone first, remove the battery cover, unscrew the screw on the battery, remove the battery, remove the card holder on the top of the battery compartment, and finally gently remove the memory card.

Tips: This phone does not support memory card hot plug.

1.3 Remove and Install the Battery

Removing the battery: Please turn off your phone first, remove the rear battery cover, loosen the screw on the battery, and you can remove the battery. Install the battery: Align the PIN of the battery with the PIN contact point in the battery compartment, press down on the battery, tighten the screw, and install the battery cover.

Note: Please make sure to use the matching battery produced by the original manufacturer of this phone. The manufacturer is not responsible for any problems caused by non matching battery manufacturers.

1.3.1 Battery Charging

When the new battery is not fully charged, before the use of mobile phone, you should use up the power of the battery, and then charge the battery by the following ways.

1. Insert the connector of the charger into the charger socket of the mobile phone.
2. Insert the charger into the power supply, the battery symbol will be dynamically displayed,

indicating that the battery is being charged.

When charging is finished, the full battery symbol will be displayed, to prompt that charging is finished.

After charging is finished, please remove the charger from the power supply, and then unplug the charging plug from the mobile phone.

Tips: You can charge your mobile phone through USB data connecting line and the computer connection. If the battery power of your mobile phone has been fully used up, it may be impossible to charge the mobile phone through USB data connecting line. At this time, you should use the charger to charge the mobile phone.

2. Basic Operation

2.1 Power On/Off the Phone

Long press the power key to turn on/off the mobile phone.

Tips: It takes some time to initialize the mobile phone. Please wait patiently.

If the mobile phone is started firstly but SIM card is not inserted, part of functions in the mobile phone cannot be normally used. After SIM card is inserted, the mobile phone will automatically inspect whether SIM card can be used or not.

2.2 Screen Locking and Unlocking

After the mobile phone is idle for a long time, the screen is black to enter into the screen locking state to save the battery power.

Lock screen/mobile phone: press the power key.

Unlock screen/mobile phone: press the power key, light up the screen and display the screen locking state. Press the unlocking icon, and slide towards the upside to unlock.

If you have set the locking pattern or password, the mobile phone will prompt you to draw the pattern or enter the password.

Main menu→setting→security→screen locking.

Set screen locking→pattern locking.

1. Set screen locking→pattern.
2. Pay attention to view the screen tip and the pattern example, and select next for two times.
3. Drag to connect four points by finger to draw the pattern.
4. Continue to select.
5. Draw the pattern again to confirm.
6. Select OK.

After the unlocking pattern is set, the mobile phone requires to slide towards the upside to enter the unlocking pattern when being turned on each time. If you want not to enter the

unlocking pattern, please change the screen locking in “Set→security”, enter the unlocking pattern, and then click None.

Set screen locking→password.

1. Set screen locking→password locking.
2. Enter four characters at least.
3. Continue to select.
4. Enter the character password again to confirm.
5. Select OK.

After the password is set, the mobile phone will require to slide towards the upside to enter the unlocking password when being turned on each time. If you want not to enter the unlocking password, please change the screen locking in “Set→security”, enter the unlocking password, and then click None.

Note: the steps for setting PIN screen lock mode are the same as the above-said steps.

2.3 Touch methods

You can operate the mobile phone by the following methods (please press the corresponding function keys by finger pulp).

2.3.1 Press:

You can select one icon or option through the press function in the display screen. If under the main menu, click Information to enter to browse all SMS/MMS and other information.

2.3.2 Click and Press:

You can view more menu options through Click and press. For example, when you click and press a number in the contact detail interface, a pop-up menu will be opened, and you can execute some option functions in the menu.

2.3.3 Scroll:

Press the scroll bar, and then drag upwards or downwards. For example, when you browse the contact list, a scroll bar will be popped up on the right. Drag the scroll bar to facilitate to search the contacts.

2.3.4 Drag and Drop:

Press an item by finger, and then drag the finger to move the item.

2.3.5 Double Click:

When viewing the photos or web pages, click quickly for two times by finger to zoom in or out.

2.3.6 Quick Slide

When you select the contact in the list through the scroll bar, the quick slide of the touch screen

can be rapidly realized.

When you quickly slide a long column of contacts, click the screen to stop sliding.

Warm tips: to avoid scraping the touch screen, do not use the sharp tool.

Forbid the touch screen to contact with other electric devices. Mute discharge will cause the failure of touch screen.

To better use the touch screen, remove the protective film of the touch screen before using the mobile phone.

2.4 Query of IMEI Number

1. Main menu→Set→About mobile phone→Status message.

View IMEI number in Status message.

2. Enter “*#06#” in the dial pad to query IMEI number.

2.5 Main Keys



- 1 Power On/Off/Call End/Reject/Double Clicking to Open Camera (Optional)
- 2 Accept Call
- 3 OK Key
- 4 Delete Key
- 5 Flash Light
- 6 Navigation Keys
- 7 Return Key
- 8 Task Key
- 9 Home and App List
- 10 Speaker
- 11 Front Camera (Optional)
- 12 SOS Key
- 13 Alarm Light
- 14 Receiver
- 15 Light Distance Induction
- 16 LED Light
- 17 Touch Display
- 18 Settings
- 19 Dialer App
- 20 Google
- 21 Volume
- 22 LED Torch Light
- 23 Rear Camera (Optional)
- 24 USB-C Charging Port
- 25 Magnetic / Docking Charging Port
- 26 Press Any Number Key to Dialer App

2.6 Screen Sleep and Wake-up

1. To save the power and prevent the unexpected screen touch from starting the program, or when cleaning the screen, press the power key to enable the screen to sleep. Press the power key again to wake up the screen.
2. To change the time when the mobile phone automatically enter into the sleep mode, enter Set → Display → Sleep.

2.7 Main Screen

The main screen can be scrolled on the up and down, the applications such as shortcut and widget can be customized and added.

2.7.1 Add Items to Main Screen

Customize the main screen by adding applications, widgets, folders and shortcut keys for applications or items.

2.7.2 Move Items on Main Screen

1. Click and press the item to be moved.
2. Drag the item to the required location after being selected.

2.7.3 Delete Items From Main Screen

1. Click and press the item to be deleted.
2. Drag the item to delete.

2.8 WLAN Setting

Main menu → Set → WLAN

WLAN: turn on or off WLAN function.

Network notification: set the mobile phone as “Notify the user if there is an open network nearby”.

WLAN network: search surrounding wireless networks:

1. Press Set → WLAN.
2. Select and turn on WLAN. The mobile phone will scan and search the available WLAN network and list the found WLAN network names in the WLAN network list.
3. Click and press a network to connect.
4. If the network is protected, the system will prompt to enter the password. Consult the network service provider or administrator for concrete details.

2.8.1 Delete WLAN Network

You can make the mobile phone not store the remembered WLAN network details.

1. Turn on WLAN function.
2. Click and press the connected network name in the WLAN setting screen.

3. Click in the opened WLAN dialog box to cancel the stored.

2.9 Phone Operating Status

	4G network signal strength		Down Load
	3G network signal strength		USB connect
	GSM network using		Full battery power
	Battery charging		Mute Mode
	WLAN signal strength		Open the portable WLAN
	Bluetooth connected		Off-line mode
	New Message		Alarm clock is set
	Calling		Missed Call

2.10 Management Notice

The top status column of the home screen shows new messages, emails, calendar events, alarm clock, and the on-going activity (e.g. calling).

3. Dial

3.1 Dial Pad:

Main menu→Dial or click dial key

3.1.1 Click and Press the Keys on the Dial Pad to Enter the Phone Number.

If you enter the wrong number, click  to clear the figures one by one; if you want to clear the whole number, long press .

To dial an international call, long press 0 key to enter the international connection code “+”.

3.1.2 Click and Press the Dial Key Under the Dial Pad to Dial the Number You Enter.

3.2 End a Call

Click  or click  and press Hang up to end a call.

3.3 Answer or Refuse to Answer a Call

When you receive a call, the relevant incoming information will be displayed on the screen.

If you have a missed call, you will receive a notice.

Slide the icon  on the incoming call interface to  to answer the call (drag the screen lock controller rightward to answer the call if the screen is locked).

Slide the icon  leftward on the incoming call interface to  refuse the call.

3.4 Refuse Via Message

Slide the icon  downward on the incoming call interface to , to refuse the call and send a message of refusal reason.

3.5 Hold a Call

Click the wait icon  during the call.

3.6 Mute During Call

Click Mute icon  during the call.

3.7 Switching Between Current Calls

Get through 2 calls, and then click the call interface.

3.8 Call Options

You can execute the following operations during the call:

1. Click Hands-free to use the loudspeaker of the mobile phone.
2. Click Bluetooth to use Bluetooth device.

Tips: Before the use of this function, please be sure that the mobile phone has been bound with Bluetooth audio device and the connection is established.

3. Click the dial pad to enter the figures.
4. Click Add Call to add a new call.
5. Click Call Recording to record the call.

3.9 Call Records

The call records include your all dialed calls, received calls or missed calls.

Main menu → Dial → Call records

1. Press the right item, and click the “Call Back” at the bottom to call back.
2. Press the right item, and click the “Details” at the bottom to see the details of the number and do other work.
3. Press the right item, and click the “IP Dial” at the bottom, you can input the number prefix manually, then select any number to IP Dial directly.
4. Press Menu → Remove call records to remove the list of call records.

3.10 Make an Emergency Phone Call

Notes: Your network service supplier has set one or more emergency numbers. There are

different emergency call numbers in different countries, so the emergency call numbers of your mobile phone will not be valid in all regions. The emergency call may not be dialed due to the impact of network, environment or interference accidents.

Main menu→Dial (if the mobile phone has been locked, click Emergency Call).

1. Enter the emergency call number.

2. Click the dial icon to dial the emergency call.

4. Contacts

Create and manage the list of personal or company contacts stored in the mobile phone or SIM card. Contacts can be used for creating and deleting the contacts, etc.

4.1 New Contact

Main menu→Contacts, click New Contact icon to pop up New Contact, and select Phone or SIM card to create the contact.

Enter the contact name and its relevant information, and then click Finished.

4.2 Backup Contacts

Main menu→Contacts→Press the option menu on the right upper corner→Import/Export→Pop up import/export contact box, select to be exported to SD/SIM card, and determine to export.

Note: Backing up contacts requires memory card in the phone.

4.3 Edit or Delete contact

Main menu→Contacts

Click the required contact, press edit key to modify the contact, and then click OK on the upper left corner.

Click the option menu on the upper right corner→delete to delete the selected contact, and click OK to confirm to delete this contact.

4.4 Add Contact Into List of Favorites

You can add the frequently used contacts into the list of favorites.

1. Open your contact program.

2. Click to enter the contact details interface.

3. Click the star icon to add to favorites.

4.5 Delete Favorite Contact

Main menu→Contacts→Favorites

Open the Favorite enter the contact details screen, and click the five-pointed star icon, to delete the contact in the Favorite.

4.6 Use Contact Group Function

Contact groups include the groups you create. You can add members to these groups.

4.6.1 View Groups

1. Click the Contacts on the main menu interface and enter the contact list.
2. Click group label on the top right to enter the contact groups interface to view or manage your groups.

4.6.2 Add Group

1. Open the contact group interface.
2. Click the group icon in the upper right corner-Add Group to add group.
3. Name the group and click OK.

4.6.3 Add Members to a Group

1. Enter the contact groups interface.
2. Click the group name and view the group members.
3. Click the icon in the upper right corner, select to revise, add members and directly input or enter the address book to select "Add contacts".
4. Select the contacts to be added and click OK.

4.6.4 Delete Group

1. Open the contact groups interface.
2. Click the group name, click the icon in the upper right corner, and delete the group (the Menu presents only after the user customizes the group).

4.6.5 Edit Group

1. Open the contact groups interface.
2. Click Menu→Modify on the group details interface to modify or edit name.
3. Rename the group, and click OK.

4.6.6 Search Contact

1. Open the contact list.
2. Click the search icon for searching.
3. Enter the name of the contact to be searched.
4. Click the searched contacts to view the details.

5. Message

You can send and receive the SMS or MMS including the multimedia file.

5.1 SMS

Main menu→Message

5.1.1 Send SMS

1. Open the Message and view the message list.

2. Click the Create Message icon at the lower right corner of the screen to write a new message.
3. Enter the phone number of the receiver into the receiver box, or select receiver from the contacts list by clicking the icon on the right.
4. Click the Enter Message box to enter message.
5. Click Send icon to send the message.

5.2 MMS

5.2.1 Create and Send MMS

1. Open the Message and view the message list.
2. Click the Create Message icon at the upper right corner of the screen to write a new message.
3. Enter the phone number or email address of the receiver into the receiver box, or select receiver from the contacts list by clicking the icon on the right.
4. Click the Enter Message box to enter message.
5. Press menu key→Add Theme, to add message theme.

Note: A SMS will change into a MMS automatically upon a theme, attachment, etc. are added. Conversely, a MMS will change into a SMS automatically upon the theme, attachment, etc. are deleted.

6. Press the icon  to choose required attachment.
7. After finishing writing a message, click to send it.

5.2.2 Read and Reply Message

1. Click a message to open and view the message session.
2. If it is necessary to reply message, you only need to enter the reply content in the text input area below after opening the message.

5.3 View Message Details

1. Open the Message and view the message list.
2. Directly click the message to be viewed to open it.
3. Press and hold the message of which the details need to be viewed.
4. Click Menu→Message Details from the popping Message Options bar.

5.4 Transfer Message

1. Open the Message and view the message list.
2. Directly click the message to be transferred to open it.
3. Press and hold the message to be transferred, and click Menu→Message Details from the popping Message Options bar.

5.5 Delete Message

5.5.1 Delete All Messages From and to a Contact

1. Open the Message and view the message list.
2. Press and hold the message.
3. Click the Deletion button.

Note: another method:

1. Open the message list, press the icon in the upper right corner, and select “Delete All Messages”.

5.5.2 Delete a Message

1. Open the Message and view the message list.
2. Directly click the message to be deleted to open it.
3. Press and hold the message to be deleted.
4. Select the delete from the popping message options bar.
5. Click OK from the popping dialogue box.

5.5.3 Change Message Settings

1. Open the Message and view the message list.
2. Click the icon at the upper right corner->Set to set any item.

6. Email

You can read and send email conveniently via the phone. The “Email” with a built-in guide can make your email service settings very easy.

6.1 Set Your Email Account

You need to set your email account when using the email function first time.

- 6.1.2 Click Email on the main menu interface to open it and set your email account.
- 6.1.3 Enter your email address and password, and click Next button. Then the system will connect with the server and inspect the server settings automatically, or you can manually set the server.
- 6.1.4 Set email check frequency, default account, email notify, etc., and click Next button.
- 6.1.5 Name your email account and set the name showing to other email receivers, and click Next button.
- 6.1.6 The system will synchronize the settings with the mail server you set. Then your email will present on your phone.

6.2 Read Email

- 6.2.1 After setting email account, Click Email to enter the Inbox.
- 6.2.2 Click the email to be read, the very email will then be opened and presented in the screen,

with addressor, theme etc. shown, and the email contents shown below.

Note: when receiving a new email, the status column also notifies you of the email. You can open the notice panel, and click the new email to read it.

6.3 Edit and Send Email

6.3.1 Click Email from the main menu to enter the Inbox.

6.3.2 Click the creation icon at the right bottom corner.

6.3.3 Enter the receiver, or click the rightmost addressee icon in the receiver bar to add CC or BCC email address.

6.3.4 Click the Theme to enter the theme of the email.

6.3.5 Click Content to enter the email content.

6.3.6 Click the attachment icon on the menu → Add Attachment, to add any photo, video, audio and/or other document as the attachment of the email.

6.3.7 Click the send icon on the upper right of the screen to send the email.

6.4 Add Signature to Email

6.4.1 Click Email on the main menu, to enter the Inbox.

6.4.2 Click the upper left icon → Set.

6.4.3 Click the email account you have set.

6.4.4 Click Signature.

6.4.5 Enter your desired signature and click OK.

6.5 Add Email Account

6.5.1 Click Email on the main menu, to enter the Inbox.

6.5.2 Click the upper left icon → Set → Add account.

6.5.3 Then you can add new email account. For details, see Set Email Account.

6.6 Edit Email Account

6.6.1 Click Email on the main menu, to enter the Inbox.

6.6.2 Click the upper left icon → Set

6.6.3 Click the email account you have set to edit it, for General Setting, Notice Setting and Server Setting.

7. Chrome Browser

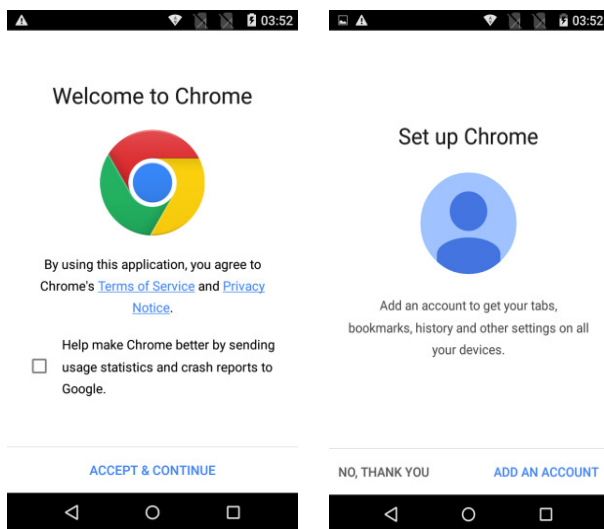
You can use the browser to view the web pages or search relevant information on the Internet.

Note: 1. Your mobile phone can be enabled to visit the network and the network-based applications through the browser. If required, please contact your network service provider for advice on how to connect.

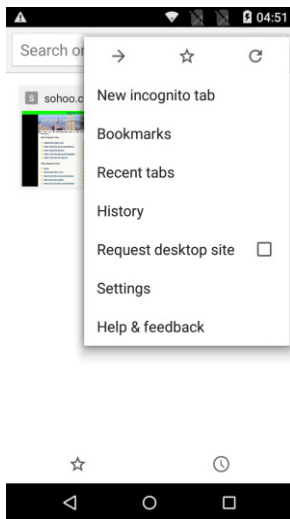
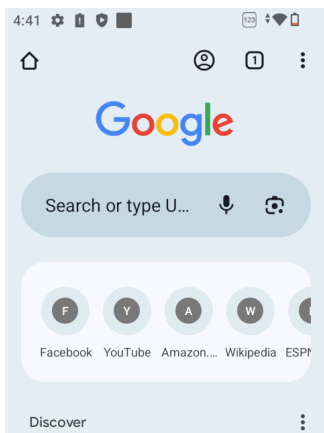
2. As the relevant data traffic cost must be generated when the browser is used, please contact your network service provider for specific charges.

Main menu->Chrome browser

1. When you enter the Chrome browser for the first time, enter the “Welcome to use Chrome” interface. Once the application is used, it means that you agree to and have the right to use the “service terms” and the “privacy statements” of Chrome. As required, check “Send usage statistics and crash reports to Google so as to help us to perfect Chrome”. Select “Accept and Continue” to continue.



2. Enter the “Set Chrome” interface and add an account so as to obtain all tabs opened at present, saved bookmarks, histories and other settings on your equipment. If no Google account is applied, you can also directly click “No, thanks” to continue.



3. Display the collected bookmarks on the home page, click ☆ to view the saved bookmarks and the mobile device bookmarks; click ⌚ to view tab histories opened and closed recently as well as information related to other equipment. Note, please log in Chrome for the other equipment.

4. Click ⋮ on the right of the search bar and open the option bar. The icons → ☆ ↻ at the top of the option bar are to open the web page which has been closed and exited just now, add the new bookmarks and refresh the current web page respectively. There are the operations of opening the new tabs, open the new stealthy tabs, the saved tabs, the recently-opened tabs and the histories, sharing, printing, searching in the web pages, adding to the home screen, requesting to switch to the desktop web site, setting, helping, performing feedback and the like.

8. Music

You can enjoy music saved in your phone or SD card via the music player.

8.1 Copy Audio Document to Your Phone

1. Connect your phone with computer via USB cable.

2. When USB setting interface pops on your phone, select mount SD card.
3. Copy the audio document to SD card via your computer.

8.2 Open the Music Library

8.2.1 Open and view the music library

Click Music in the main menu, then the system will automatically scan audio documents in your phone. Scanned audio documents will be displayed in the list. After opening the music application, you can see 4 labels, musician, album, songs and playlist.

By pressing any view mode on the music interface, you can open the music list in various modes.

8.2.2 Delete songs from SD card

1. Open the music application and view audio document list.
2. Press and hold a song.
3. Select Delete from the popping window.
4. Click Ok in the opened dialogue box.

8.3 Open Music Document

8.3.1 Play music

1. Open the music application and view audio document list.
2. Click Musician/Album/Songs/Playlist screen, to find the music document to be played.
3. Click the music document to play it.

8.3.2 Add a song to ringtone list

Press and hold the song in the music library. Click Add to Ringtone List in the opened menu (only applicable for Songs, Play List).

Or click the Menu button-> Add to Ringtone List when playing songs.

8.4 Use the Playlist

You can create a playlist, to put your music documents into the songs set, in order to play songs in the order you set or in a random order.

8.4.1 Create playlist

1. Open the music application and view audio document list.
2. Select the music documents to be added to the playlist, press and hold it until a shortcut menu pops up.
3. Click Add to Playlist.
4. Click Create Playlist.
5. Name the new playlist.
6. Click Save, and then the playlist is finished, with the selected music documents in it.

8.4.2 Add songs to playlist

- 1. Open Music, select the songs tag screen.
- 2. Select the music documents to be added to the playlist, press and hold it until a shortcut menu pops up.
- 3. Click Add to Playlist.
- 4. Select the target playlist.

8.4.3 Remove a song from playlist

- 1. Open Music, select the songs tag screen.
- 2. Click the playlist and view the songs in it.
- 3. Press and hold the song to be deleted from the playlist until a shortcut menu pops up.
- 4. Click Delete from Playlist.

8.5 Play Music

Open the music library, and select your desired music to listen it; or press Menu button→Play All.

8.6 Control Buttons of the Music Player

Function	Instruction	
Play/Pause	Click and Press	
Previous/next song	Click and Press	
Fast forward/Rewind	Press and hold	
View playlist	Click and Press	
Shuffle	Click and Press	
Repeat	Click and Press	
Sound effect	Click and Press	
Volume	Click and Press side volume key up or down	

8.7 Hide, Activate and Turn off the Music Player

Press the home button can hide the music player, and using other application can continue your music playing . shown in the status column indicates the music player is playing songs. Sliding down the status column enables you to view the details. Pressing the song name enables you to return to the music player interface. Pressing  enables pausing of music playing, and pressing the home button enables you to return to the home screen.

9.Video

You can open video documents to enjoy wonderful videos if any in your phone.

9.1 View Video

Click Video button in the main menu interface to open the video library.

The Video application can show any video in SD card or your phone, including those shot by your camera or downloaded from internet or other devices.

9.2 Play Video

Click Video button and view video list.

Click Video button and view video list.

9.3 Share Video

Click Video button and view video list.

Press and hold a video, and select Share from the popping dialogue box.

10. Camera (Optional)

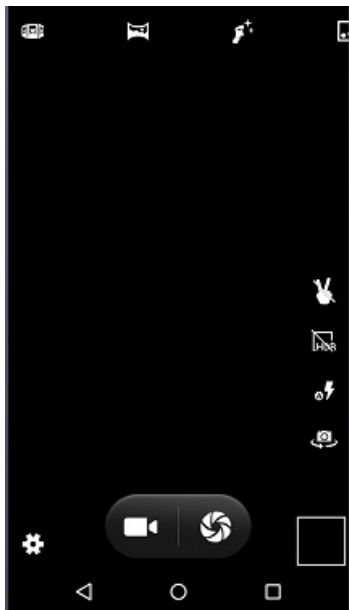
Your phone is installed with an 8 mega-pixel front camera and 13 mega-pixel back camera for shooting. You can take a picture of anything via the camera, and then set any picture as wallpaper or share pictures via message, Bluetooth, email, etc. The phone saves the pictures you take into external SD card and internal storage.

Note: In order to reach the best shooting effect, please clean the camera before shooting.

Please respect rights and interests of others, and observe local laws, regulations and customs when taking a picture.

10.1 Take Picture

1. On the main screen, tap  into the application, and then click  to enter the camera viewfinder screen. You can choose various camera mode at the top of the icon, at the bottom right corner, you can choose the flashlight mode, and switch camera mode. Touch the preview area can be adjusted to focus. As shown in figure:



2. Camera mode is default. You can select   from the bottom of the screen to switch to shooting mode.

3. Aim the camera at the target location/object.

4. Click  to take a picture.

Thumbnail of the latest photo you take is shown at the lower right of the screen

Press the thumbnail to view the photos.

Press the Menu button, select Delete, to delete the photo.

Press the Menu button, select Play Slides, to play your photos as slide show.

Press the Menu button, select Edit, to edit photo.

Press the Menu button, select Rotate Left/Rotate Right, to correct photo by rotation.

Press the Menu button, select Cut, to cut photo.

Press the Menu button, select Set Photo as, to set the photo as wallpaper and contact photo.
Press the Menu button, select Details, to view details of the photo.
Press the Menu button, select Print, to save photo into PDF format.

10.2 Record Video

1. Camera, switch to the Camera Shooting.

2. Aim the camera to the target location/object.

Press  to record video, and press  to stop video recording and automatically save the recorded video.

3. Press the home button to shut off the camera, and return to the home screen.

The latest video thumbnail recorded is shown on the left of the screen. Press the thumbnail and then you can:

Select Share, to share the video via message, Bluetooth, email, etc.

Press the Menu button, select Delete, to delete the video.

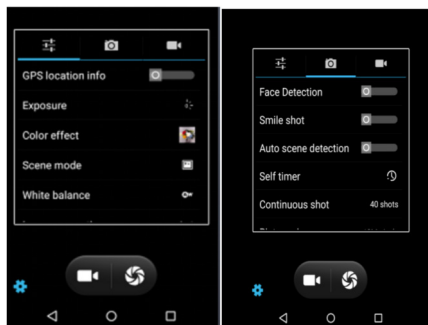
Press the Menu button, select Prune, to cut the video.

Press the Menu button, select Mute, then the video will be saved into the camera and will be mute when being played.

Press the Menu button, select Details, to view the details of the video.

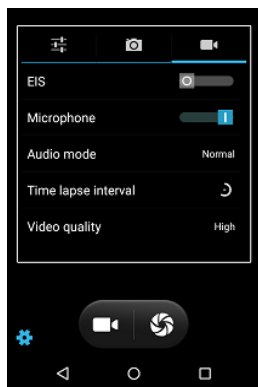
10.3 Set Camera Mode(Optional)

Click  to enter the camera setting mode, you can according to your needs for camera exposure, effects, shooting and other settings. As shown:



10.4 Set Camera Shooting Mode

Click  to enter the camera setting mode, you can according to your needs for camera exposure, effects, shooting and other settings. As shown:



11. Picture Album

You can open the picture library to view your pictures album.

11.1 View Picture Album

Click Picture Album from the main menu and view the picture album.

The picture album can show pictures in SD card or the phone, including the pictures you take by the camera and download from internet or other devices.

11.2 Process Pictures

11.2.1 View and browse pictures

1. Click the picture library to open it and view picture album.
2. Click an album in the list to open it, and then the pictures in the album will be shown in the thumbnail format.
3. Click a thumbnail to view it in large format.

11.2.2 Delete picture

Click the Menu button->Delete, to delete the picture.

11.2.3 Play slides

1. Open an album, and then the pictures in the album will be shown in the thumbnail format.

2. Click thumbnails in the album to view pictures.
3. Click Menu→Play Slides, to play all the pictures in the album in the form of slideshow.

11. 2.4 Edit

Click the Menu button->Edit, to edit any picture.

11. 2.5 Rotate pictures

Click the Menu button->Rotate Left, to rotate the picture 90 degrees to left.

Click the Menu button->Rotate Right, to rotate the picture 90 degrees to right.

11. 2.6 Crop picture

Click the Menu button->Crop, to crop the picture.

11. 2.7 Set a picture to be wallpaper or a contact's photo

1. Click the Menu button->Set the Picture to be.

2. Select Wallpaper in the popping window to set the picture to be standby wallpaper, and select the contact icon to set the picture to be the contact's photo.

11.2.8 Details

Click the Menu button->Details, to view the picture size, manufacturer, shooting time, etc.

11.2.9 Print

Click the Menu button->Print, to save the picture in the form of pdf.

11.3 Share Picture

1. Open the picture to be shared from the picture library.

2. Click the share icon on the upper right to share the picture with others via message, Bluetooth, email and other third party.

12.Other Applications

12.1 Clock

1. Enter the Clock from the main menu, and click the clock icon, to enter the clock setting interface.

2. Select the existing clock in the list to enter the editing interface, or click Add Clock at the bottom of the screen to enter the editing interface.

3. Set related parameters and slide rightward for activating the clock.

12.2 Calendar

1. Enter Calendar from the main menu.

2. Click the dropdown button at the upper left corner to view date, week, month views, schedules, year views etc.

2. Click the menu button, to create an event.

4. Click the Menu button, to search, refresh, show calendar or set the calendar, etc.

12.3 Calculator

1. Enter the calculator from the main menu.
2. Enter numbers and select operators.
3. Click equal sign.
4. Slide the button rightward to enter “Senior Panel”, to do more calculation work.

12.4 Document Management

1. You can view and management the files which be stored locally on the phone or SD card. You can copy the files, paste, rename, delete, share and other operations.
2. Long press file or click on menu key, you can select one or more files or folders to share, copy, delete, cut, rename and other operations. You can also reorder folder by name, size or date.

12.5 Stop Watch

1. Click Clock in the standby interface and select stop watch.
2. Click the start icon for timing.
3. Click Stop for ending timing.
4. Click Times-based Timing for timing several times.
5. Click Reset to clear timer.

12.6 NFC

It can transfer files such as pictures to each other, read bus card information of supported types, etc.

13. Settings

You can use Set Application Configuration to set parameters of the phone.

Click Set from the main menu.

13.1 WLAN and Internet

1、WLAN

- a. Click WLAN to enter WLAN interface, and then slide Switch On/Off WLAN.
- b. After switch on WLAN, you can view WLAN connections nearby, and after you log in a WLAN account, you can connect you phone to internet via the WLAN.
- c. Click the Menu button: to select Add Network, Existing Networks, Refresh, Advanced, etc.

2、Bluetooth

- a. Click Bluetooth to enter the Bluetooth interface, and then slide Switch On/Off button to switch on or off the Bluetooth.

After switching on the Bluetooth, you can search Bluetooth hotspots nearby, and after matching Bluetooth, you can transfer to or receive from documents, photos, etc. another

3、SIM

a. Switch on/off SIM card: after SIM card is fit in, the SIM card operator can be shown and the SIM card can be switched on/off.

Note: when 2 SIM cards are fit in, the 2 SIM cards cannot be forbidden simultaneously.

When 1 single SIM card is fit in, the SIM card cannot be forbidden.

b. Preferred SIM card: the SIM card for mobile data networks, calling and messages.

4、Data flow consumption

a. View mobile data network flow consumption by every application module of SIM 1 and SIM 2.

b. Click the Menu button: to set Limit Background Dataflow, Display WLAN Data Flow, Prohibit Network, Mobile Network, etc.

5、More

A. Flight mode

Switch on/off the flight mode by sliding left/right the Switch.

B. Default short message application

The default short message application is message.

C. Network sharing and portable hotspots

After entering the Network Sharing and Portable Hotspots interface, you can use the phone as a portable WLAN hotspot, to share your data connection with several devices simultaneously.

You can connect the phone with a USB cable, to share data connection of the phone with PC via USB.

Bluetooth-based Network Sharing enables you to use the phone as a Bluetooth-based sharing hotspot, to share data connection of the phone with another device.

D.VPN

Note: Before using VPN, set screen lock PIN or password.

Click the icon + on the upper right, add new VPN, enter name, server address, user's name and password, and then connect the phone to VPN.

After successful connection, you can log in websites of foreign countries.

Note: you need to apply VPN server address, user's name and password by yourself.

E. Mobile network

After entering the mobile network interface, you can switch on/off mobile data flow and data roaming, set the access point and select network operator, and select network type.

Access Point Name: view and add access point.

Network Operator: select network operator and access mode.

Preferred network type: set SIM card network mode.

13.2 Device

1. Display

Miravision: Effect of visual display settings.

Color temperature adjustment: according to personal preferences to adjust screen display settings.

Wallpaper: to set desktop wallpaper.

Luminance: adjust screen luminance.

Automatic Luminance Adjustment: slide the switch to switch on/off Screen Luminance, the screen luminance can be optimized as per the environmental light changes after the Screen Luminance is switched on.

Hibernate: delay before auto screen lock.

Interactive screensaver: set screensaver.

Font size: set font size.

Auto-rotate Screen: rotate screen contents to keep current direction.

2. Warning tone and notice

In this interface, you can set sound of the device.

3. Storage

In this interface, you can view and manage internal and external memories of the phone, and can view the following details:

Total internal space.

Available space of the internal space.

Total SD Capacity: view the total capacity of SD card.

Available SD Space: view available space of SD card.

Formatting SD Card: erases all data in SD card, like music and photos.

Uninstall SD Card: data in SD card are not displayed.

4. Battery

In this interface, you can view battery use information.

5. Application

In this interface, you can view and manage applications in the phone.

13.3 Personal

1. Location:

You can choose to turn on location access settings so that you can find your location on the map.

2. Security

A. Screen protection

Screen lock modes: use none, slide, pattern, PIN or password to lock screen.

Owner's information: after this function is switched on, the screen lock interface will show the owner's information you set.

B. Encryption

Encrypt Phone: Encrypting the phone requires over 80% power of the battery. If the power in the battery is below 80%, a note requiring you to charge your phone and then retry will pop up on the interface.

C. SIM card lock mode

Set SIM card lock: switch on or off SIM card lock, and change SIM card and PIN code.

D. Password

Display password: select to display or hide the password.

E. Device management

Set Manager: add or delete device manager.

Unknown source: allow applications not from the non-market to be installed.

F. Credential storage

Storage type: default hardware support.

Trusted credential: display trusted CA certificate.

Install from phone: install the certificate encrypted from phone.

Erase Credential: erase all credential saved and reset other passwords.

G. Advanced

Trusted agent: view or deactivate trusted agent.

Screen fixing: the device can always show the current screen.

Applications entitled to view use situations: third party applications entitled to view use situations.

3. Account

You can add accounts.

4. Language and input method

You can select the language and input method.

5. Backup and reset

Factory data reset: erase all data on phone.

6. Intelligent Assistance

a. Navigation Bar

You can select virtual keys.

b. Side key operation

You can select side key functions.

c. Tri-color light effect

You can choose to use a variety of scenes.

13.4 System

1. Date and time

Set date and time.

a. Automatically confirm date and time: automatically confirm date and time based on internet data, and can be switched on/off.

b. Automatically determine the time zone: use the time zone provided in the network (supported in the network) to support opening/closing.

c. Set date: after switching off the automatic confirming date and time function, you can set date manually.

d. Set time: after switching off the automatic confirming date and time function, you can set time manually.

e. Select time zone: after cancelling the automatic confirming time zone function, you can set time zone manually.

f. Adopt 24-hour format: after check this option, the 24-hour format will be adopted.

2. Barrier-free mode

Zoom gesture: switch on/off zoom gesture.

Large font: adjust font size.

In addition, there are some options of High contrast text, press the power button to end call automatically rotating screens, speaking out passwords, touching, pressing and holding for delay, opening and closing color correction and the like.

3. Print:

Connect with the printer.

4. Developer options

Slide to open and close the function and use after the different applications of setting desktop backup passwords, prohibiting screen locking, performing USB debugging and the like are opened.

5. About phone

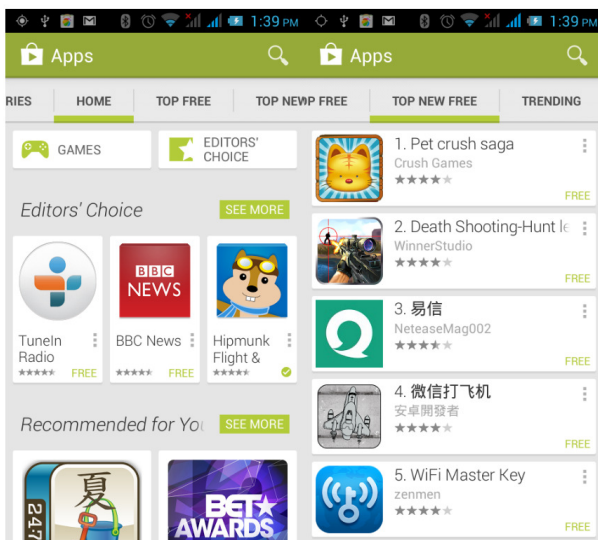
14. System Update

You can update your phone version via this function.

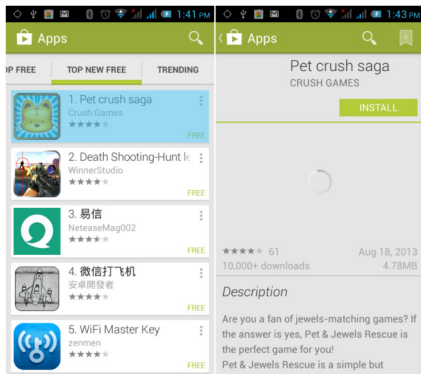
Note: using this function requires internet connection.

15. Play Store

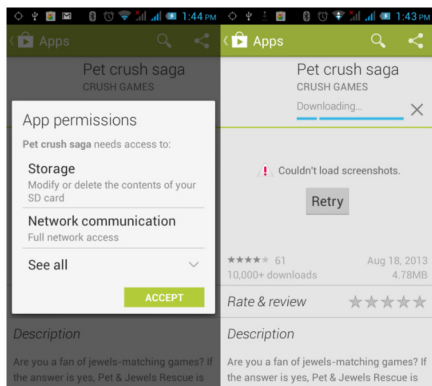
On the main screen, tap the shop icon into the application. When you first time enter to Play store, you need to create a new account, you can follow the prompts to complete the creation process. When you use the account to enter Play store home page, you can see a variety of mobile phone software, you can choose according to your needs and install it to your phone. You can slide the screen to the category, Top Free, Top Free new products, fastest rising to find the popular software.



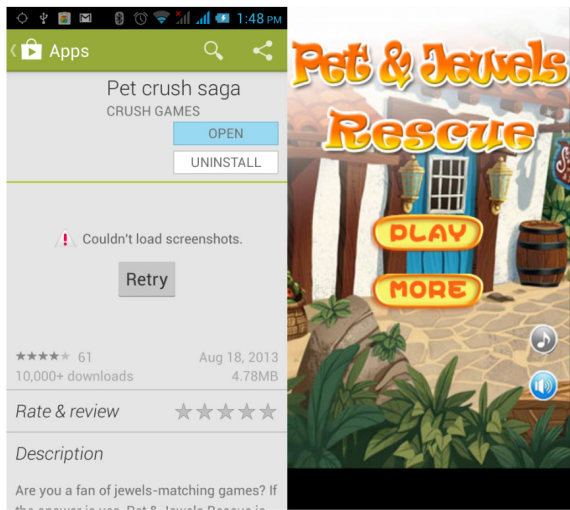
In the Play Store screen, click an icon on your favorite software, enter the installation interface:



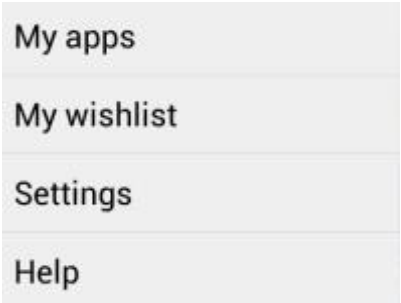
Click **INSTALL** to install the selected software, application permissions in the popup choose to accept, the phone automatically starts to download the software, if you want to cancel the download, click **X** next to the download progress bar.



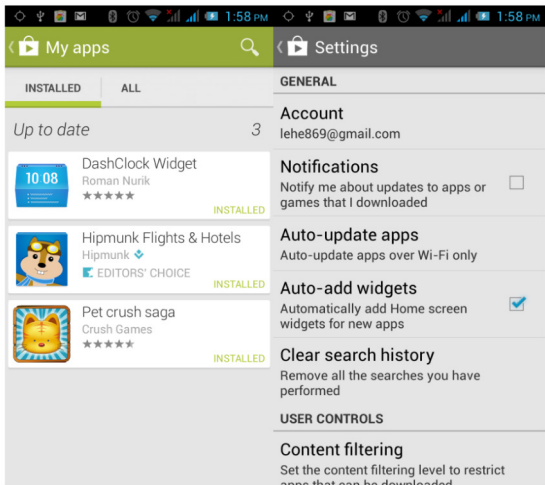
After the download is complete, click Open, you can start to apply your newly downloaded this software:



In the Play Store homepage, click the menu key to bring up the following menu:



Select "My apps", you can view your "Installed application" and "All apps", you can also reset accounts, notifications, auto-updating applications, password, etc.



Other Google services, such as: Gmail, Google set, Google Talk, will need to apply for Google account, after landing Google services to properly use Google related services.

Common Problems & Solutions

If an exception occurs while using your phone, please refer to the following table to troubleshoot

Common problems	The causes	The solutions
Poor signal	Using the mobile phone in poor reception area, such as nearby buildings or basement, the radio waves cannot effectively communicate;	Try to avoid

	Using the mobile phone in the call dense period, such as commute time, line congestion caused by the inability of the calls.	Try to avoid
	Associated with the launch of the base station network built near and far	Can ask Internet service providers provides service area map
Echo or noise	Due to poor network trunk, is a regional problem	Hang up and redial, trunk lines may replace good one.
	Some regional bad line	
Standby time shorter	Standby time is related to the network system setting	Turn off the mobile phone in the poor reception area.
	The battery need to replaced, please replace new battery.	Please replace new battery.
	The phone will continue to search base station, it will use a lot of battery power, causing the standby time become shorter.	Please move to strong signal place or turn off the phone.
Unable to boot	The battery power is exhausted.	Check the battery power or charge it.
SIM card error	SIM card is damaged	Contact your network service supplier.
	SIM card not installed	Make sure SIM Card has been installed.
	SIM card metal surface have dirt	Use clean cloth to brush the SIM card metal contact point

unable to connect the network	SIM card is invalid	Contact your network service supplier.
	Beyond the GSM or 3G network service area.	Ask your network service supplier the service area.
	The signal is weak	Please move to the strong signal place to retry
Calls unable to call	set up the call barring function	cancel the call barring function
	set up the fixed dial function	cancel the fixed dial function.
PIN error	input incorrect PIN Code in three times	contact your network service supplier.
Unable to charge	Battery or charger damaged	need to replace new battery or charger
	Bad contact	check whether the plug connection well
Unable to add phonebook record	Phonebook memory is full	delete some part of phonebook record.
unable to set up some function	Network provider does not support this feature, or you did not apply for this function	contact your network provider.



BE	BG	CZ	DK	DE	EE	IE	EL
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SK	FI	SE	NO	IS	LI	CH	TR

In all EU member states, operation of 5150-5250 MHz is restricted to indoor use only.

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