# X455A User Manual

# Contents

1.SafetyPrecautions.....2
2.Before Use .....2
3.Appearance and Keypad Operations.....4
4.Using Memory Card as U Disk.....4
5.WiFi .....6
6. Bluetooth.....6
7.Mail .....7
8.Dialling .....
9. Messaging .....12
10. Contacts.....13
11. Internet Explorer .....18
12. Recorder.....20
13.Clock .....21
14.Caculator .....22
15.Camera .....22
16. Images .....24
17. Music.....28
18. Calender .....31
19.FM Radio .....31
20.Settings.....32
21. Notices for the use of phone .....36
22. FCC Information.....

# 1. Safety Precautions

Before using a mobile phone, please read and observe the following rules.

| | | | |
|---|---|---|---|
| | Please use earphones or stop your car when answering a call while driving. | | Mobile phone interferes with aircraft communication; please ensure that mobile phone is powered off during the entire flight. |
| | All mobile phones may be disturbed and affect their performance. | | Please follow mobile phone regulations in hospitals and turn off your phone where medical equipments exist. |
| | To ensure the best performance or avoid damage to mobile phone, please use the original accessories and batteries. | | At the gas station and close to the fuel and chemicals and other dangerous goods, please power off your mobile phone to avoid explosion. |
| | To avoid interference of the blasting operation, In the scene of the explosion or post "Turn off the radio" icon in the local, please power off your mobile phone. | | Please don't throw away batteries in the garbage, to avoid the risk of life and damage to the environment. Please abide by the local environmental policy, dispose of used batteries properly or recycle the waste batteries. |
| | Before you connect your mobile phone with other equipment, please read carefully this manual to ensure safety. | | Keep small accessories (such as T-Flash card, etc.) out of reach of children. These objects are hazardous. |
| | Please backup the important information or keep a written record, to prevent its loss. | SOS | When sending an emergency call, please ensure your mobile phone is powered on and in a service area. |

# 2. Before Use

## 1. Install and Unload SIM Card

### 1.1 About SIM Card

Before using the phone, you must insert a valid SIM (Subscriber Identity Module) card in the phone. The SIM card is provided by your mobile carrier.

All the information related to network connection are recorded in the chip of SIM card, also the names, telephone numbers and SMS that storing in the name card holder of SIM card. You can take out the SIM card from your phone, and use it in any GSM mobile phone (new mobile phone can read SIM card automatically).

In order to avoid losing or damaging the information saved in the SIM card, please don't touch the metal contact surface, and place SIM card away from electricity and magnetic force. Once SIM card is damaged, you can't use that SIM card on the phone normally.

***Prompt:*** *Please make sure to power off the phone before taking out SIM card. It is absolutely forbidden to insert or take out SIM card with external power supply; otherwise it may damage SIM card and the phone.*

### 1.2Insert and Unload SIM Card

The metal contact surface on a SIM card is easily scratched. You must take out the SIM card carefully before assembly.

Power off the phone, remove the rear cover, and the battery or other external power supply.

Please the straight end of the SIM card inside of the SIM slot with the metal surface of the SIM card facing downward. Gently push the SIM card all the way into the SIM slot.

When taking out SIM card, directly pull it outward without bending.

## 2. T-Flash Card

Next to the SIM slot, is another smaller slot for the T-Flash card (memory card). Aim the T-Flash card towards the slot and push the T card gently until it is inserted correctly.

***Prompt:*** *If your device fails to recognize the memory card, please check whether it is inserted correctly and there is good contact of metal point.*

## 3. Install and Unload Battery

To install the battery correctly, first take off the rear cover of the mobile phone.

Point the end of battery with metal surface at the battery connector.

Then gently press the battery down until it is securely in place.

***Prompt:*** *Please operate correctly to avoid damaging the battery connector.*

## 4. Charging

### Charger

Insert the charger on the charging interface at the top of the phone. After inserting the charging plug, battery strength icon stripe at the top right corner of the screen is scrolling, which means that the charging is processing; when the stripe is full of the whole icon and stop scrolling, which means that the battery charging is completed; when the charging is completed, please pull out the plug.

When electric quantity is not enough, warning message will be sent; and electric quantity shows empty. When electric quantity is too low, the phone will power off automatically. Please don't make the battery in the status of not enough electric quantity for a long time; otherwise it may damage the battery quality and service life. Please don't charge the battery for a long time.

***Prompt:*** *In order to ensure normal operation of the phone, please make sure to use the designated charger.*

## 3. Appearance and Keypad Operations

| Keys | Functions |
|---|---|
| home | Press this button to return home from any application or interface. |
| Menu | Press it to open recently opened application window. |
| back | Press it to return to the previous interface，or to close dialog box 、options' menu、notification panel or the keypad. |
| power | Long press **[Power]** key to power on or off mobile phone.<br>Short press **[Power]** key to turn off the screen when a call is talking.<br>Press it to open the phone's menu，then you could choose to lock the screen、turn off the phone，or set it to the silent mode. |
| up | Press it to increase the volume<br>Press it to turn the phone to vibration mode from the silent mode. |
| down | Press it to decrease the volume. |

## 4. Using Memory Card as U Disk

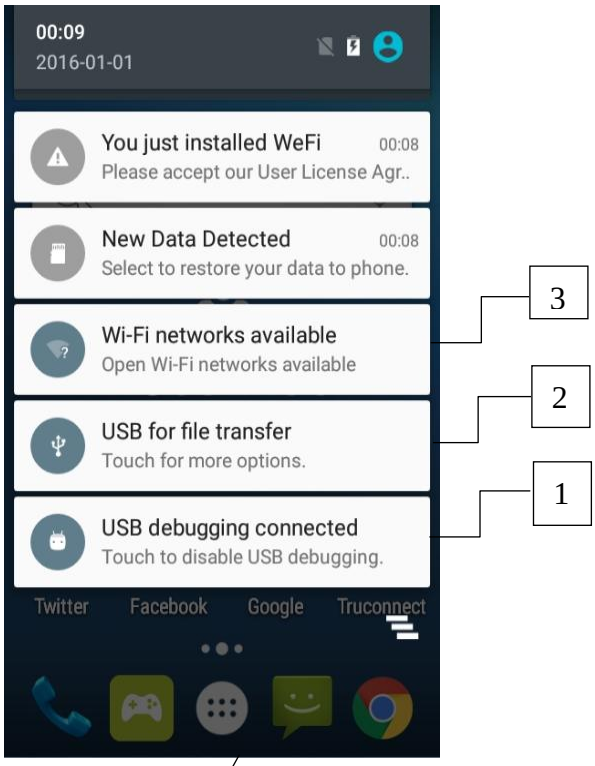
If you want to send music, pictures or other files to the phone's memory card from the computer，you should set memory card as u disk first.

Set memory card as u disk

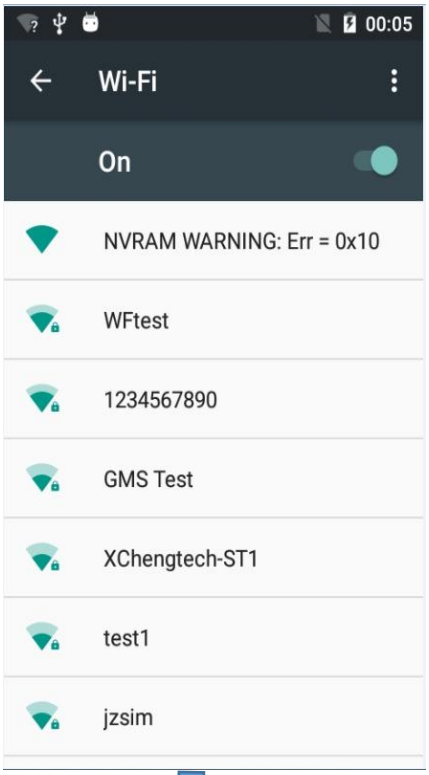
1) Connect the phone to the computer with USB cable. The notification icon will appear in the status box.

2) Use USB mobile transmission line to connect to the computer

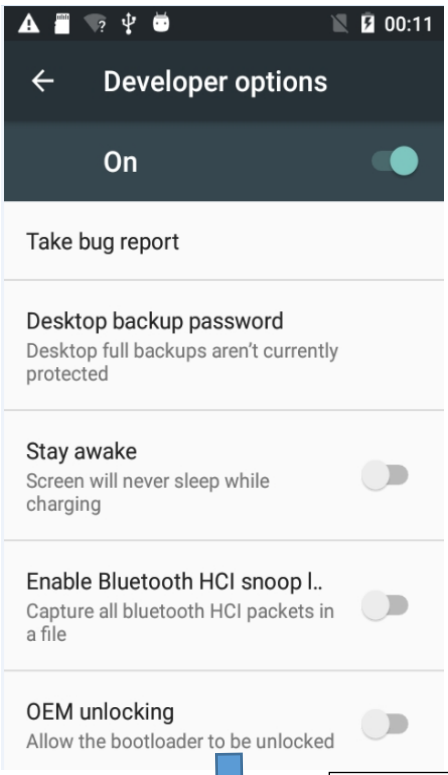
3) In the notification panel, touches USB is connected. And then touch the USB connected as a media device



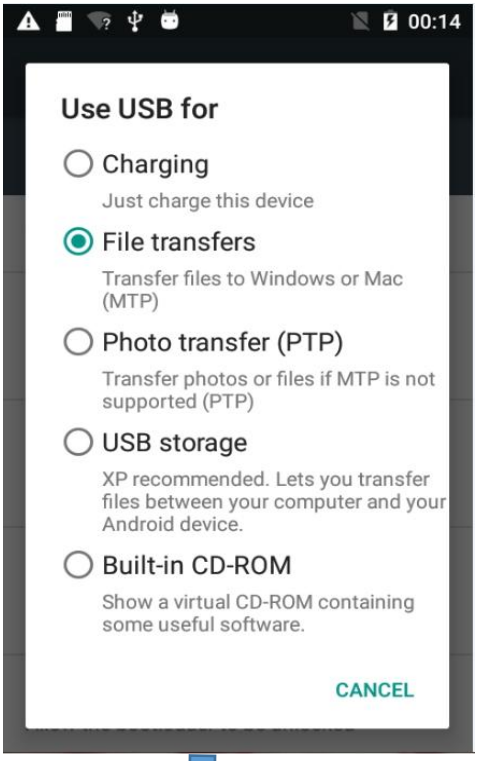

Specific shown in the following figure (picture 1.2.3.)




Wi-Fi network available




USB debugging connected




USB for file transfer

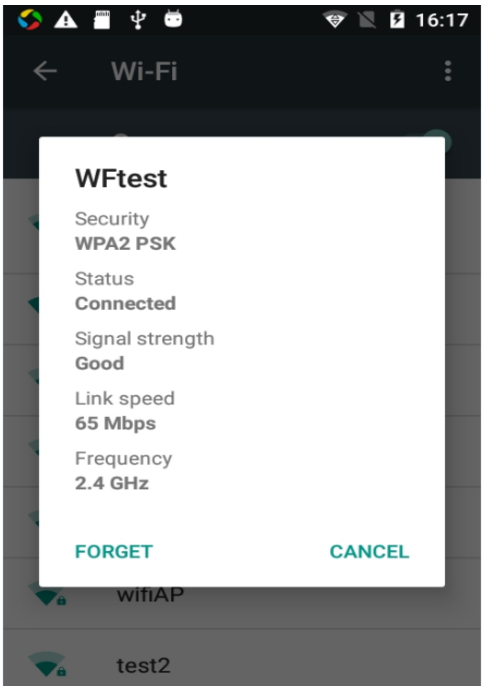
Notice: On the PC operation assistant tool such as mobile phone, Must be open the USB debugging.

## 5. WiFi

Open Wi-fi to connect to a wireless network

Go to Settings >> Wifi >> Select the Wifi network you would like to connect to. Some networks may require a password; enter the password to finish connecting

Notice：when the phone is connected to the wireless network, The status box will show this Wi-Fi icon（ ）, and the approximate signal strengthen (the number of lit bars).




If you want to delete the wireless settings, select “Forget” as in the picture above.

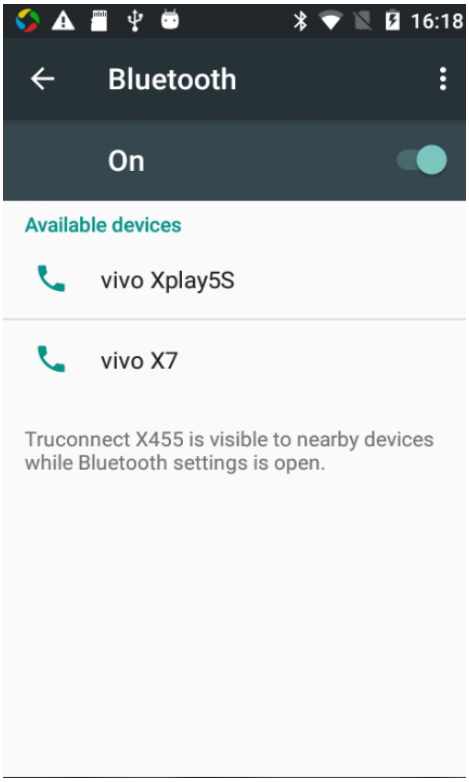
Notice：Unless you choose to forget the network, there is no need to re-enter the corresponding password when connecting to the same Wifi network again; Wi-Fi will search automatically and connect.

## 6. Bluetooth

Turn on Bluetooth so the phone can be detected by other devices

1) Go to Settings >> Bluetooth >> the status box will show this icon ( ), then it starts to scan for all devices within range >> Select the Bluetooth name (device) you would like to pair your device with

**After devices are paired, the system will show the paired two devices and other devices available for pairing**




Pairing and connection of Bluetooth headset

1) Enter settings.

2) Select Bluetooth box, then open Bluetooth box, then your phone will scan for the Bluetooth devices within range, and show the found devices in the list under the icon.

Tips：

If the list can't find your equipment, touch scanning equipment to re-scan it.

Make sure that the devices wanted are under the detected mode.

3) Touch headset in the equipment list to finish the connection.

Notices：generally Bluetooth devices need password to be paired, often use「0000」as the default password.

4) The pairing and connecting status will show under the headset in the Bluetooth devices list. When the headset connected to your phone, the status box will show this icon（ ）means connected. Then you can use the headset to make or receive callings.

Cut the connection to the Bluetooth

Press settings > Bluetooth >> In the list of Bluetooth equipment, touch or tap and hold the connected hand-free headset >> Press and select "cancel the pairing".

## 7. Mail

Load Email.

a. Open network connection

b. In setting the account interface, input the correct email address and password and click next mobile phone automatically complete the sending and receiving server Settings. Pop-up mail find frequency,

and user Settings interface, complete Settings, click next.

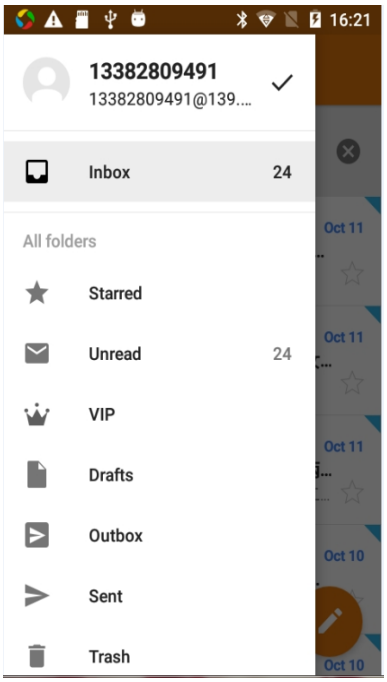
c. For account creation name, the editor of the law that email user name, and click next. Complete set, synchronous mailbox.

Create and send Email

When creating mails, select mails > create mails. Enter the address (recipient) theme and contents. Press MENU you could ‘append’、‘Add Cc/Bcc’, select send or discarded or save as draft.

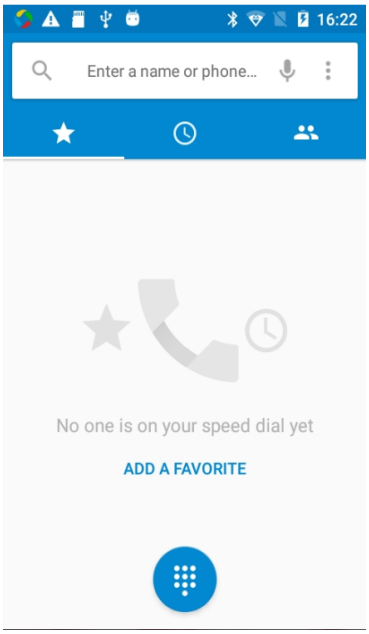
Check the Email files

Click the inbox to the left of the small buttons, list all the folder options

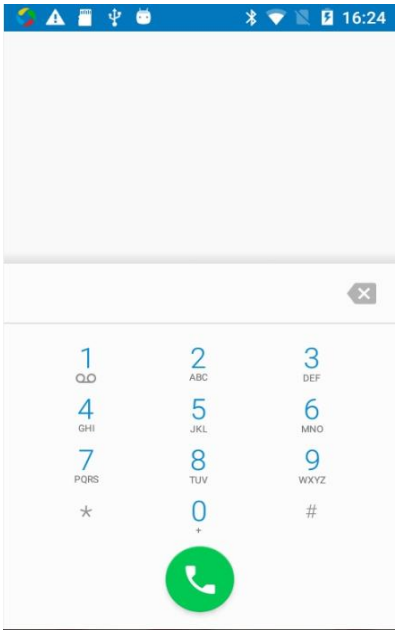


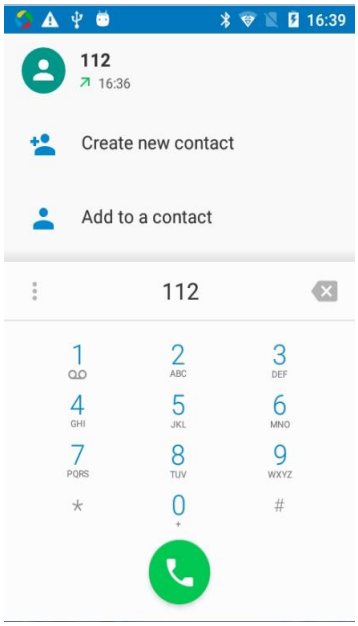

## 8. Dialing

To make a phone call, click on the phone icon on your main screen >> dial the number of the person you would like to call using the keypad button on the bottom of the screen.




The numerical keypad will pop up on your screen. Once you dial the number desired, click on the green phone icon at the bottom of the screen to place the call.




Video call

Dial the desired number >> click on the options button in the bottom right corner of the screen and choose “Video Call”

Note: Video calls can only be made if the SIM carrier allows the video call feature

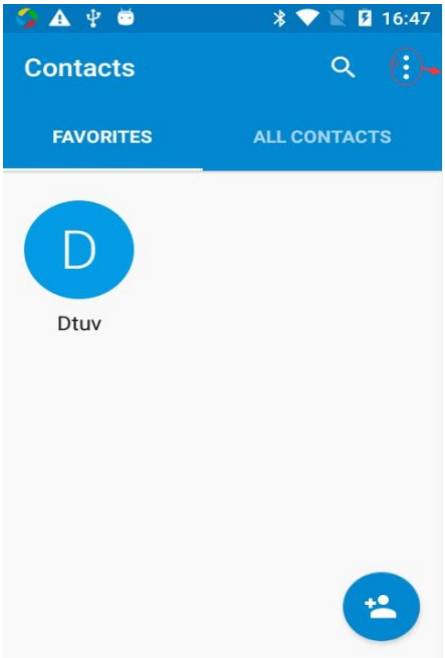
Telephone calls in the call log

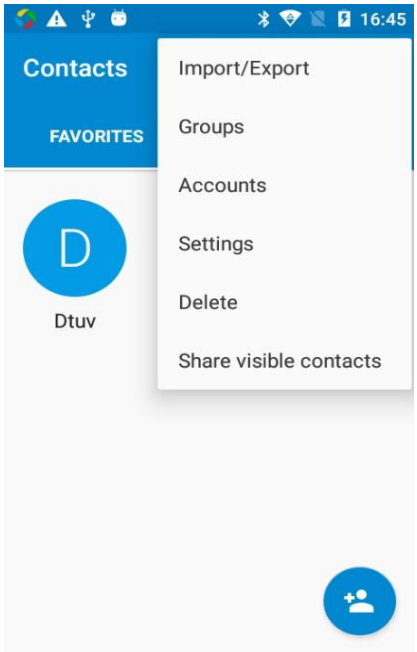
Every telephone number called and received in “SIM1、SIM2” will reserve in phone’s menu of call log. Each call to record recently will show “SIM1 or SIM2”

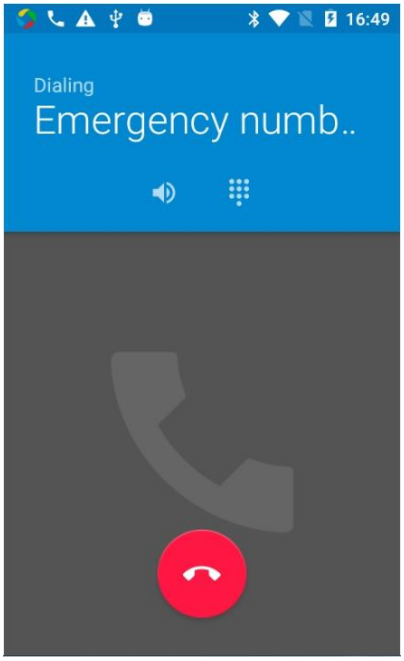
All numbers in the call log can be dialed by clicking the button ”dial” on the right side of the screen.

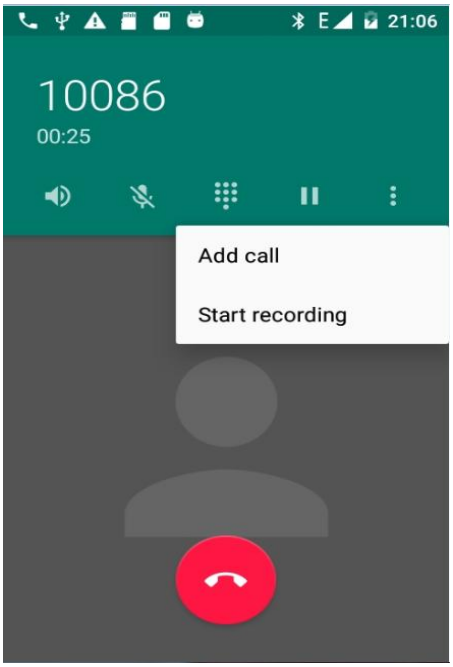
When number list appearing，click it to catch details；press it for long you could dial via “SIM1 or SIM

2”， meanwhile you can edit, delete, save the number or do other operations.



Receive calls

When a call comes in, press the middle button and slide it to the right to answer the call.

Decline calls

When a call comes in, press the middle button and slide it to the left to decline the call. The caller will then be redirected to the voicemail system.

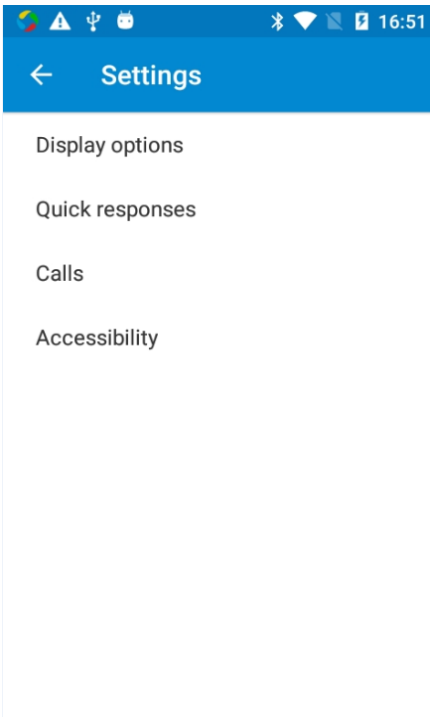
Proximity sensor

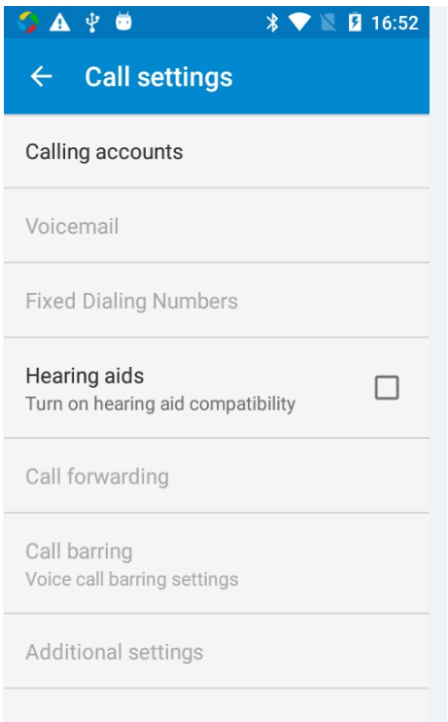
According to the distance between phone and human body，it will adjust automatically the switch of the backlight. During the call, place the phone to the ear, the backlight will turn off automatically， which could save battery.

Two-way call/multiparty call (conference call)

While on call with one user, click “Add calls”， dial another number and click on the previous call to take that user off of hold. This way all three calls will be merged.

Notice： this function needs that SIM card open multiparty call features.




Telephone recording

During the call， you could record the dialog of the call.

1）settings>Calling accounts >Call forwarding, set other functions of the call in the dialing settings，for example： Call Transfer– after all the settings finished and turned on， you could transfer the call to a certain number.

2）In settings> calling accounts >Additional settings，open “call waiting”.After turned on，you can receive another call when already exist one，The answering and rejecting functions are just like the ordinary phone.

Call settings

Voice Call

1）Voice Mail: The voice mailbox in setting in the input voicemail number.

2）Call forwarding：Can set respectively 2 a SIM card, the line is busy, and no one has to receive, not be connect four connecting way

3) Call barring： can set respectively two to the SIM card call restrictions

4) Additional Settings：a. My phone number b. Call waiting

5) Quick Response：Can edit the text messages rejected by the information when content.

## 9. Messaging

Send SMS to certain phone number

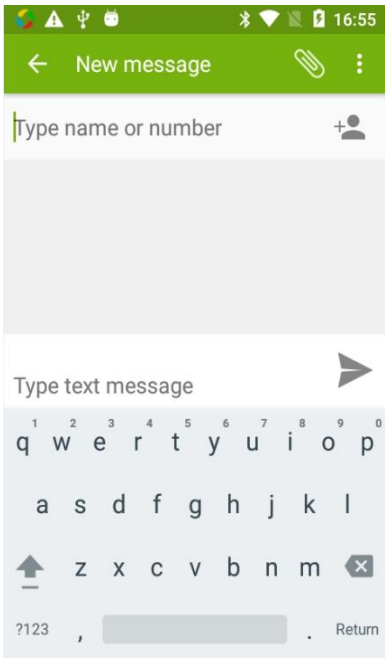
1）Press home > messaging，touch “new messages”.

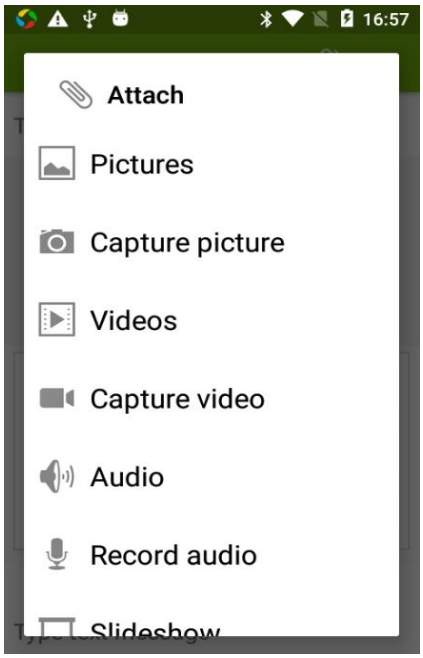
2）In the area displaying “Type name or number”, find the person in your contacts list or enter the number you would like to send a message to.

Send MMS to certain phone number

When creating a message，it is defaulted as SMS but it will be turned to MMS when the following operations are done:

1) In the message screen, press the Menu button in the top right corner, click the paperclip button and select what you would like to attach from the pop-up screen

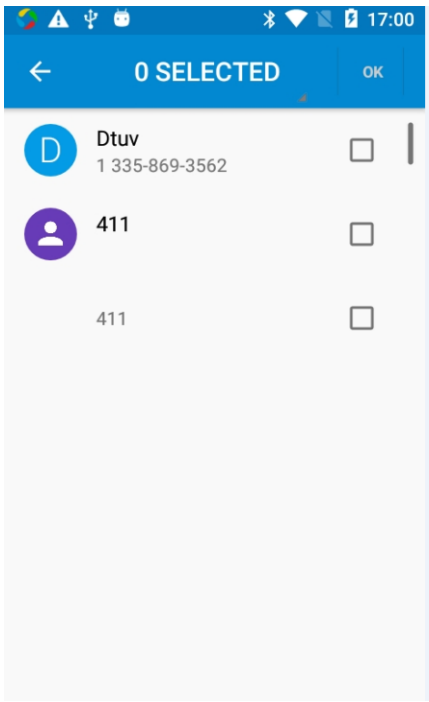


Send messages to multiple numbers

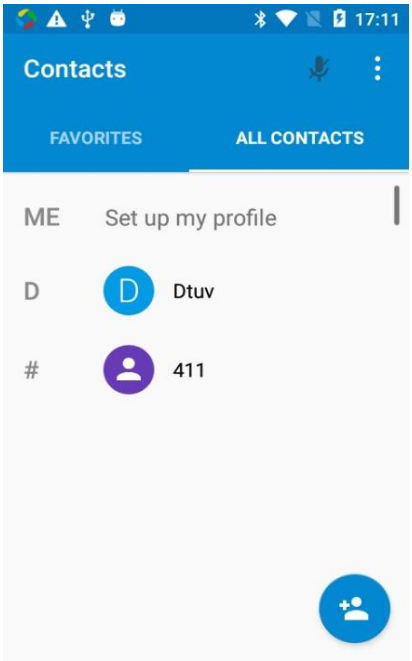
Enter multiple numbers in the box displaying “Type name or number”. Each number is divided by a comma.

Click on the icon in the right for contacts, choose the individual people or groups that you have already pre-saved in your device.




## 10. Contacts

Open the menu of applications > go to “contacts” > there you will find all people and their contact information saved on the device or on your SIM card.

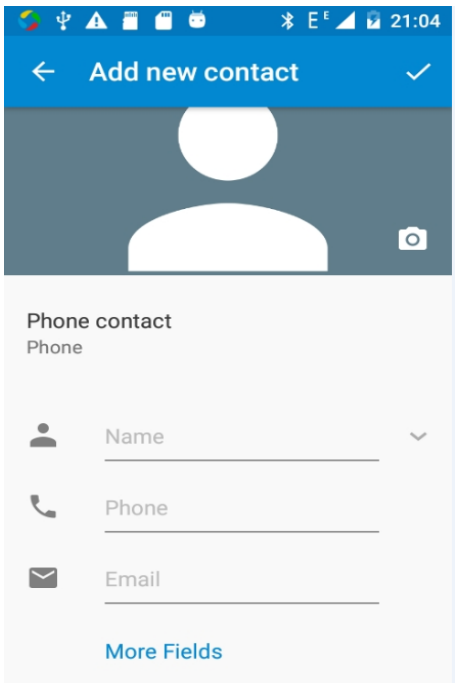


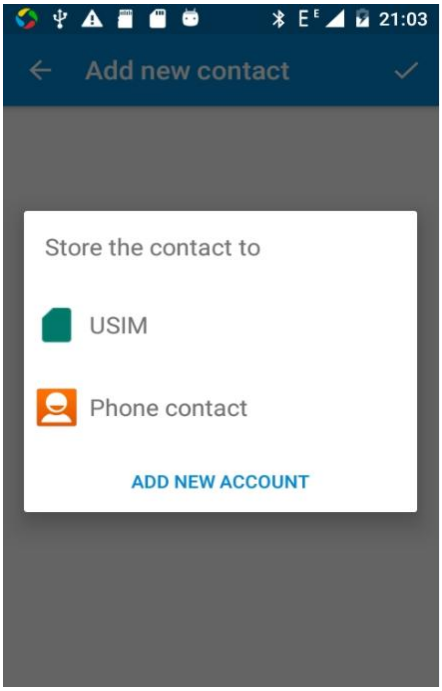
To add a contact

Open the menu of applications > go to “contacts” > Click“Add Contact”icon > enter the name and contact information for the person and click the checkmark

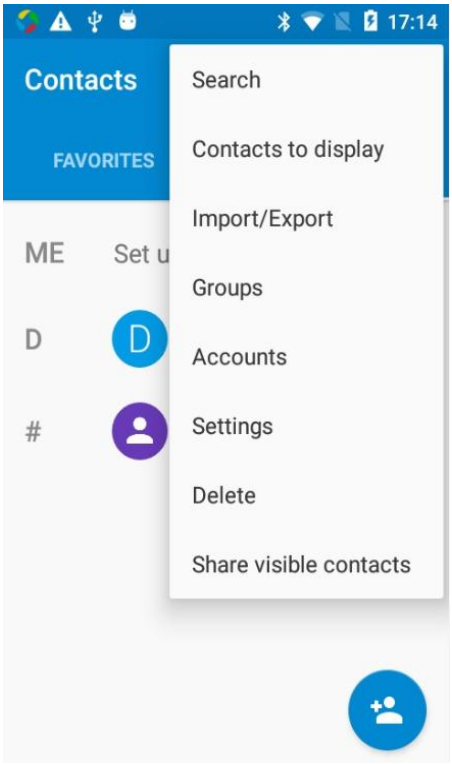
Save contacts to phone or a SIM card

In the “Contacts” menu, you can edit the contact information (name, telephone number, and group) and save it by clicking “Finish”

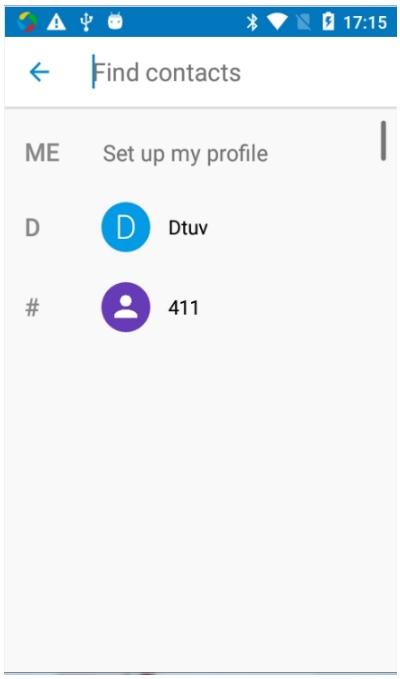



To Search a contact: Go to the “Contacts” menu, click on the Menu button and click Search; there you can enter the person’s name and find their contact information



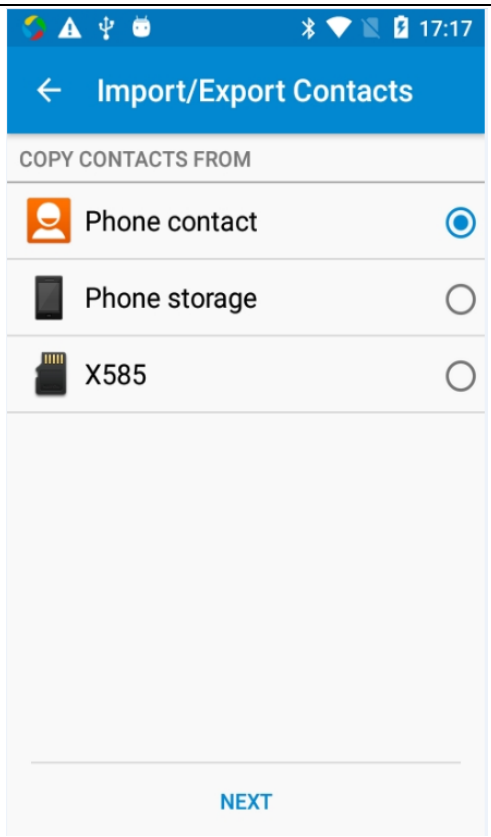

If no match comes up in the Search bar, you will receive a message that says: “No Contacts”




Import/export

In the mobile phone, contacts can be saved in three places: SIM card, SD card, or on the device itself

This is achieved by first choosing "copy source" and then select the next step, whether you want the contact to be stored on the phone, SD, or SIM card




Groups

Click on the "group" icon to create the new group.

Choose where you would like the group to be saved, either in Google or Phone contact.

1) In a group, click on the Menu button, Menu functions

2) Menu>Edit

You can modify the group name, delete or add group of contacts

3). Menu >Delete

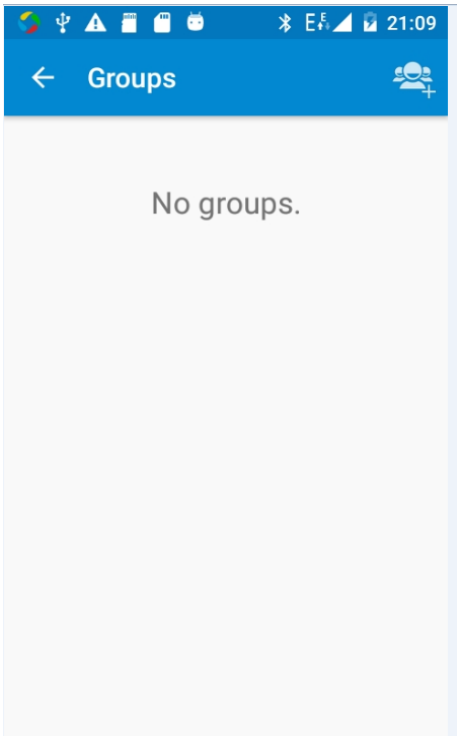
You can delete the group, and will not delete the contact itself.

4). Menu >Bulk message

Automatic new information, and the group added to contact the address bar recipients

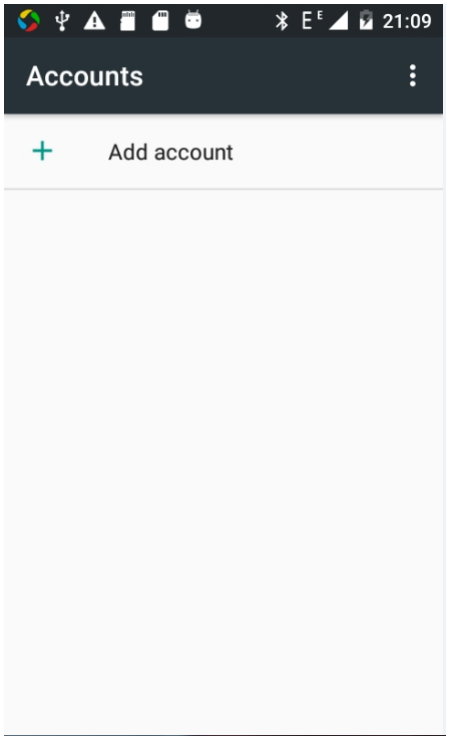
5). Menu >Bulk email

If contact group have the same email address, the automatic new mail, and E-mail address in the address bar add to the receiver



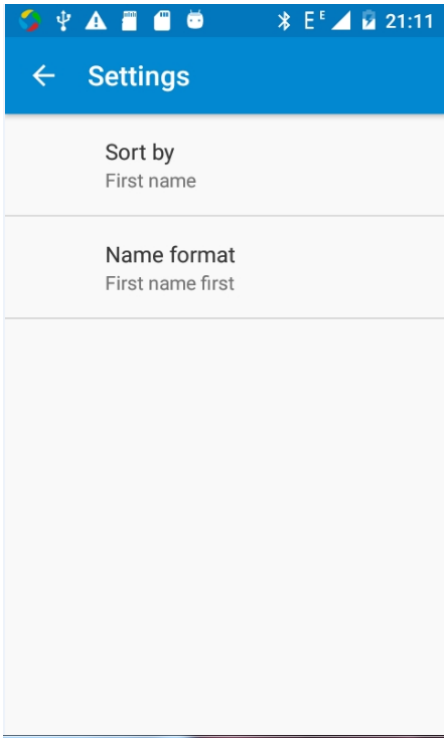

g.Menu >Accounts

Account and synchronization set routine synchronous Settings, can choose background data and automatic synchronization.



h.Menu >Setings

Can be set up sorting and the format of the name




## 11. Internet Explorer

Internet explorer

1) In the browser screen, and then touch input url address bar.

2) Using the keyboard input web address. At the same time, in the address you entered is in line with web address will appear on the screen. You can touch the url directly to the page or continue to enter url.Homepage

3) the page when browsing the Menu button Menu function

a.Menu >Refresh

Refresh the current browsing web pages

.

b.Menu > Stop

Stop the current in the loading state of a web page

c.Menu >Homepage

The default home page is the page navigation

d.Menu >Save to bookmarks

Will send the address of the current window as a bookmark. Click the bookmark list of bookmarks, open the bookmark url.

e.Menu > Exit

Exit the browser or minimize the browser.

f.Menu >Save for offline reading

Automatically saves the current page and content, in order to browse next time.

g.Menu >Share page

Select the Bluetooth, email, SMS or other ways to share the current web page

h.Menu >Find on page

The current visit web pages can be find

i.Menu >Request desktop site

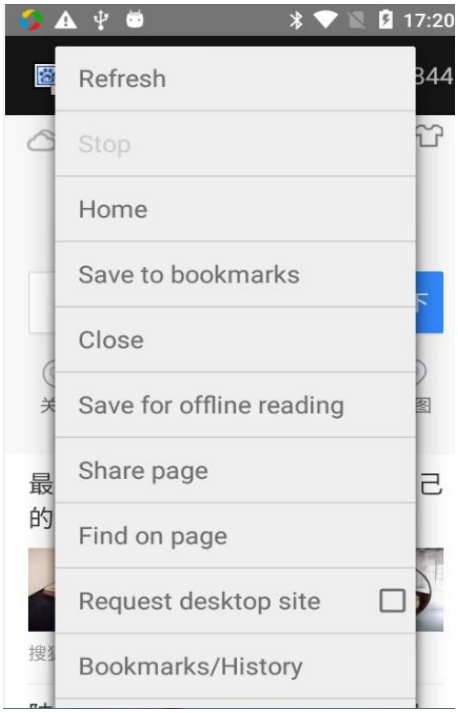
Browse the pages in the form of PC

j.Menu >Bookmarks/History

Switch to the bookmarks/history/save the web interface

k.Menu >Settings

Browser contains a variety of Settings




Browser Settings

1) General, including home page set functions such as below.

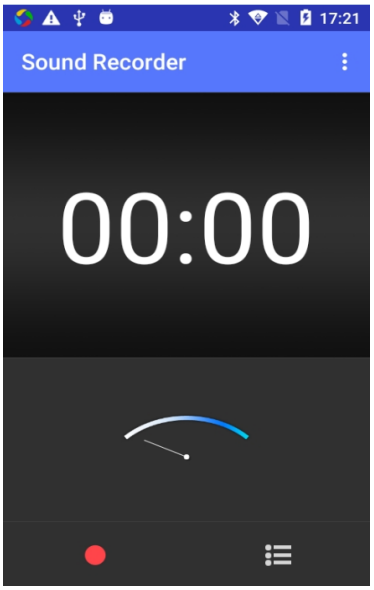
2) Privacy & security, including clear historical record, clear the cache, and other functions

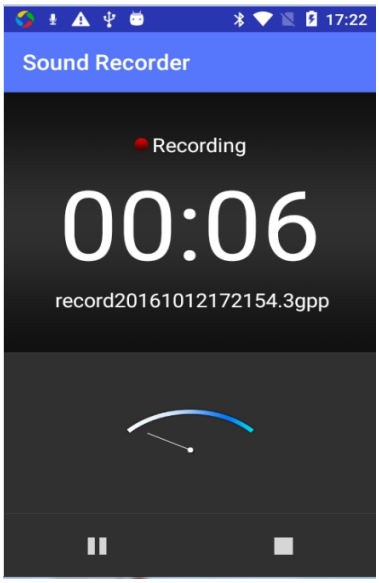
3) Accessibility, including size, click operation scale, and other functions.
4) Advanced, including web browsing, page adjustment, plug-in enabled, and other functions.
5) Bandwidth management, switch whether to load the picture when loading the page.
6) Labs, including open fast control and full screen display function.

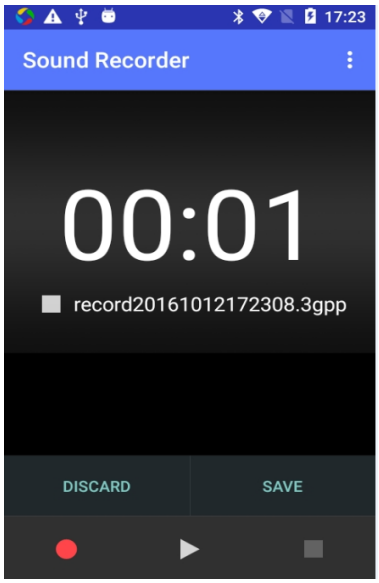
## 12. Recorder

Recorder can record voice, and send it quickly via Bluetooth or MMS as well as make it as ring tone.
Notices： recorder can only save the audio files as AMR format.
1) Click the recorder application.
2) Keep the phone's microphone near the voice source.
3) Click recorder to record voices ,and click to stop or Recordinglist.

All recordings save in my recording folder in the default music program.



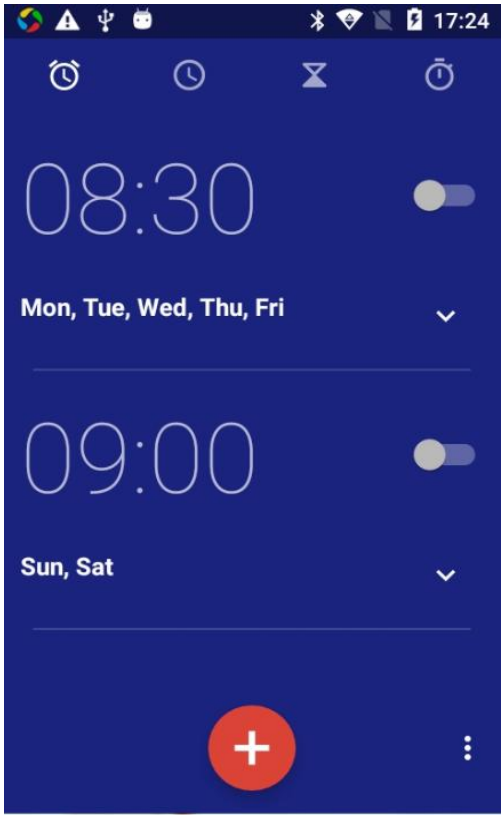



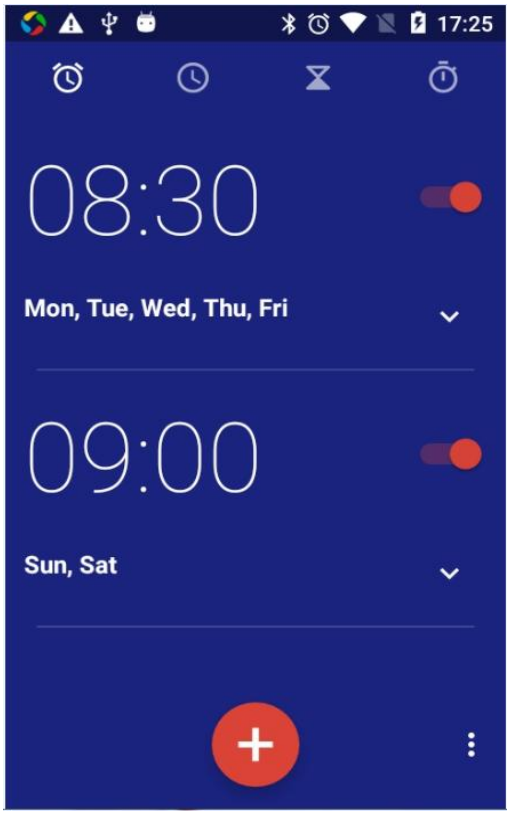



# 13.Clock

1）Open the menu of application, click

, The alarm clock Settings into the interface




Alarm

After functions set，phone will arrives in the setting time to alert you by ringing or vibrating to achieve it's function. Press Menu to add alarm，you can also add it from the adding interface. You could set the alarm according to your needs. In the interface of alarm will show three closed alarms（two alarm clocks are Monday to Friday 8:30,9:00）.

Edit

You can edit the current alarm，you could edit time、ringing tones、vibration、repeat form and tabs.

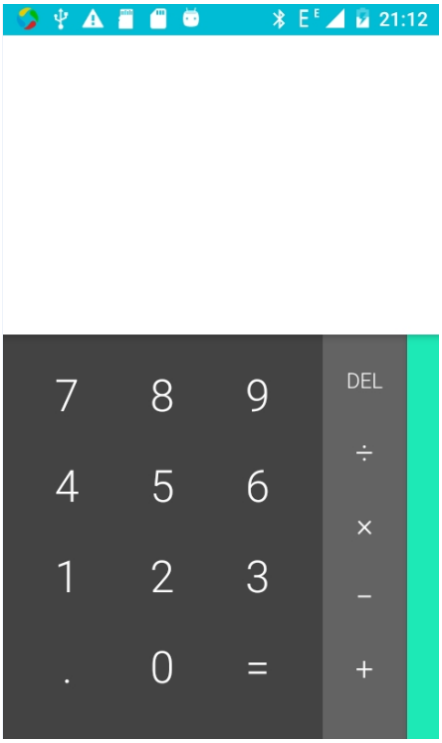
## 14.Caculator

calculator

this function can turn your phone into calculator， it can do some simple calculations.

• Touch the number keys to make it appear in the blank box.

In the interface of calculator, press MENU button or hold down the screen to the left, then the senior panel appears.



## 15.Camera

15.1 camera

Prior preparation

Install memory card before using the camera or video camera. All your photos or videos taken by the phone are stored in memory card.

Open camera

Press home, touch menu, select camera. Take pictures

1）Aim your object with the screen.

2）Touch the “shutter” button on the screen.

3）After taking， photos will save to the camera’s galley folder with the name of taking time.

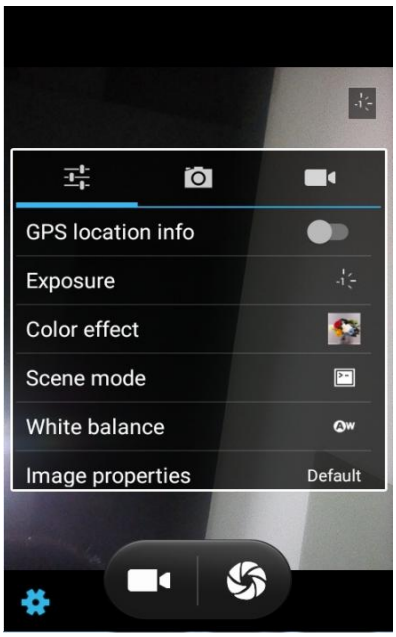
4）You can view the photos by touching the preview box button.

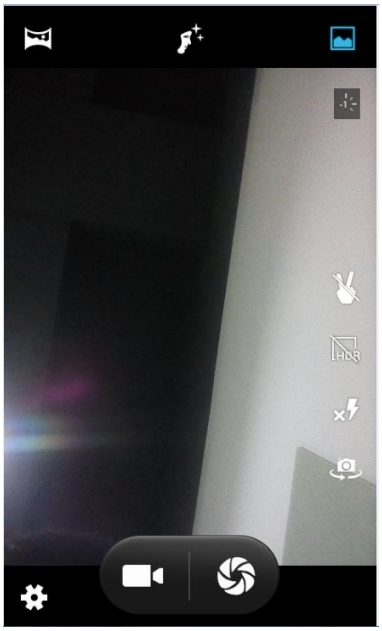
5）Camera settings

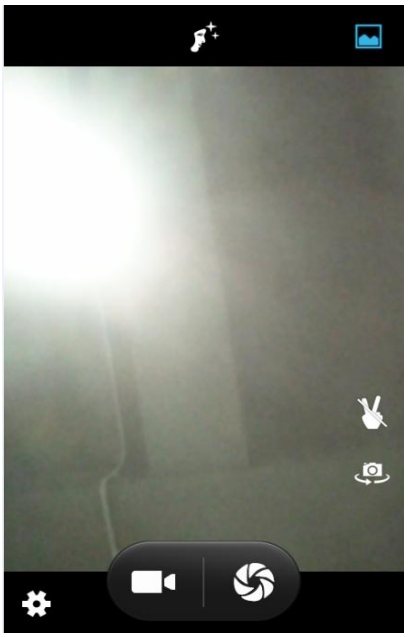
You can touch the button of “setting Menu” in the interface of camera to do the settings

Under camera viewfinder mode, press Menu， you can switch to video or photos’ gallery.

On the top right of camera viewfinder mode, display the preview of the previous picture. Touch preview box, the photo display on full screen and you can enlarge it to view details.



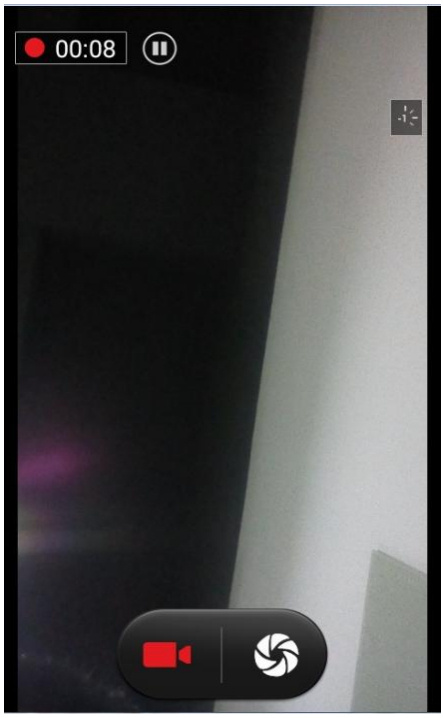


Camera adbanced settings
1) Manual exposure: on , off
2) Freeze-frame display : on , off
2) ZSL: on , off
3) Mirror refelection : on, off
5) Antibanding : 50Hz, 60Hz
6)Picture quality :Super fine, Fine, Normal
7)Al Detect: off, Face-detect, Smile-shutter
8) Scene modes: Auto, Action, Night, Normal, Portrait, Landscape
9) White balance: Auto, Fluorescent, Incandescent, Cloudy, Sunshine.
10)Burst: 3,6,10,off
11)Contrast:3,2,1,0,-1,-2,-3
12)Brightness:6,5,4,3,2,1,0
13)ISO:Auto,1600,800,400,200,100
14)Volume key function: Volume model, Zoom model, Shooting model
15)Metering: Frame-average, Center-weighted, Spot-metering
16)Saturation:3,2,1,0,-1,-2,-3

15.2 Video camera

Prior preparation

Install memory card before using the camera or video camera. All your photos or videos taken by the phone are stored in memory card.




Take video

Press the home page, touch the menu, select the camera. Switch to video mode.

1) with the screen on your subject.

2) directly on the screen touch the shutter button.

3) after the shooting, video automatically taken as file name, save to the gallery by default camera photo folder.

4) on the top right-hand corner photo viewing images, a video preview before display. Touch the preview box, the full screen video, touch play button can broadcast video.

You can touch the button of “set” in the interface of camera to do the settings

Under camera viewfinder mode, press Menu， you can switch to video or photos’ gallery.

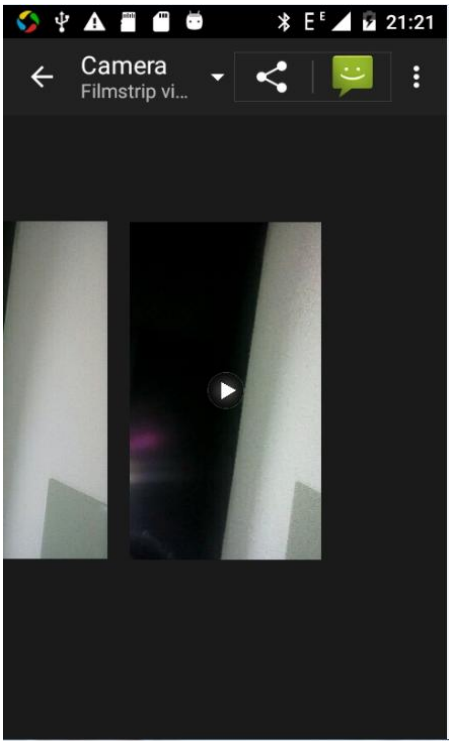
On the top right of camera viewfinder mode, display the preview of the previous video. Touch preview box, the video will display on full screen and you can touch the play button to view it.

## 16. Images

Open images

Press home， touch label of applications， then touch photos’ galley.

In the interface of camera， Press menu to open it， then touch to operate.




Gallery interface

A. in the gallery main interface, the upper right corner of the camera button, can quickly switch to the camera application

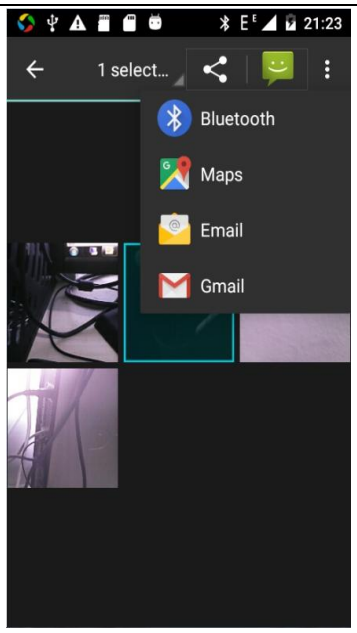
B. folder tile in the gallery main interface, folder thumbnail displayed on the folder name and the number of embedded file.

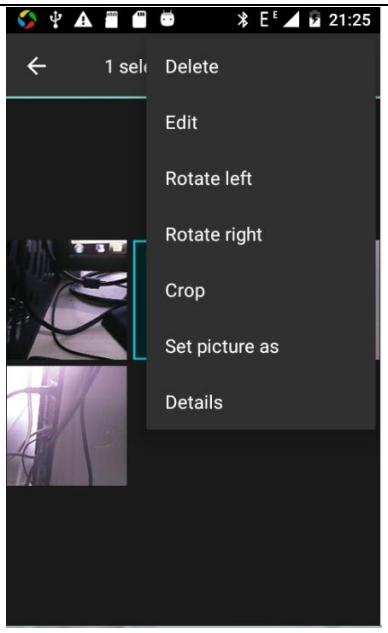
Files Interface

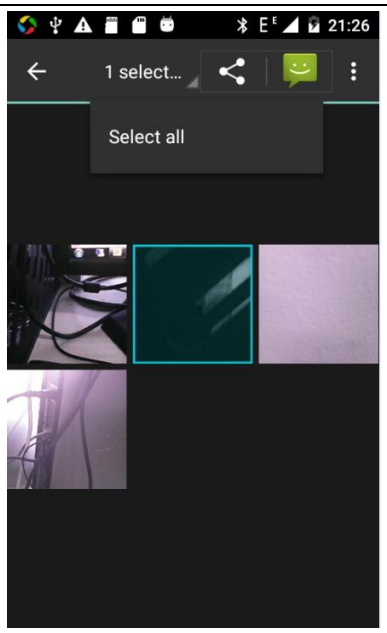
a.In the library the interface, upper right a slide show the play button, click on the way to the slide circulation play all image files.

b.Click on the images, enter the picture to see interface.

c.Choose a long press image files, pop-up corresponding operation.




share photos

In long according to the selected folder or photos in picture viewer interface, choose to share. Methods include bluetooth, mail, and information sharing.

A. use email to send pictures: choose Gmail or E-mail, pictures will be automatically attached to the email. Write your information, and click send.

B. using information sending pictures: select information, images will be automatically attached to the MMS. Write your information, and click send.

C. use the bluetooth to send images: under the list of bluetooth, choose paired bluetooth devices, pictures to be transmitted via bluetooth.

see photo

In photos look at interface, sliding around on the screen, can be forward or backward view the photos

edit pictures

A. color effects: no, stamping, restore ancient ways, white and black, drift in addition to silver shadows, instantaneous, latte, blue, edition print, negative impact

B. clip: straight, pruning, rotate, mirror

C. editor brightness: automatically adjust color, exposure, halation, contrast, shadow, nature saturation, sharpness, curves, hue, saturation, black and white filter

check pictures

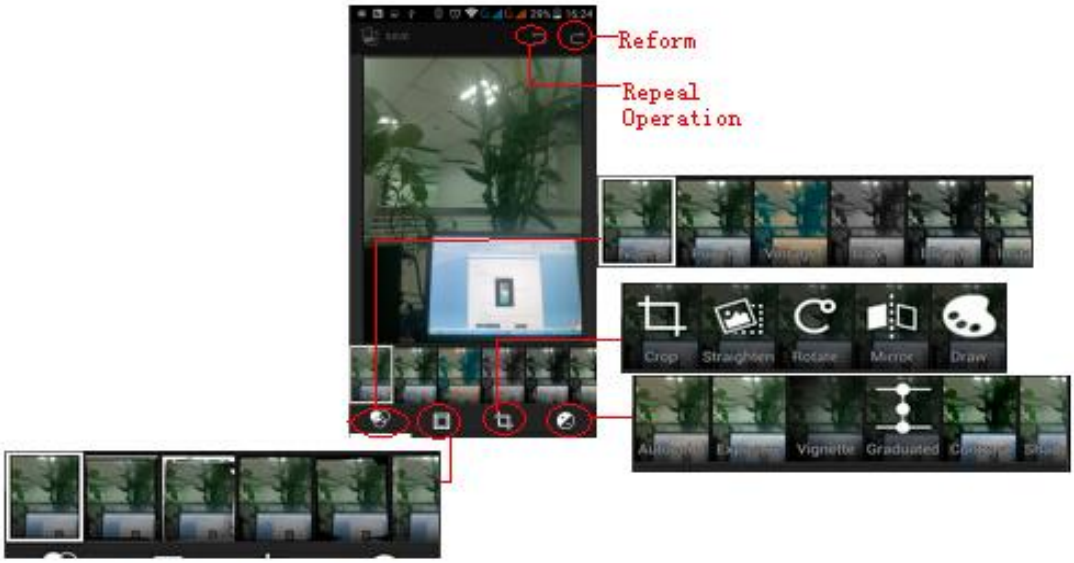
In the photo view interface, on the screen or so slip, can forward or backward view photosEdit picture.

Edit light：Fill Light Highlights Shadows Auto-Fix.

Edit image effects ：Cross-process Posterize Lomo Documentary and so on.

Color Effects：Warmth Saturation B &W Sepia Negative Tint Duo-tone Doodle.

Crop:Crop Red Eye Straighten Rotate Flip Sharpen.




• Clip pictures

a. If you want to adjust the size of the clip, please hold the edge of the cutting tools. The arrow appears clip, from the trim your fingers inside or outside the center to drag, can adjust its size.

b. If you want to adjust the big hours in the clip that keep proportion, please hold down any of the four corners of the one.

If you move to the clip of the picture area of the other, please hold cutting is internal, then move to drag the fingers to the position.

• shooting video

1) in a picture of a photo gallery, touch video album, and then choose the video you want to watch, you can start playing video.

2.) the touch screen will display playback controls.

A. schedule control: dragging the control bar can be moved to any play point.

B. screen zoom button: press ratio play, full-screen playback, maximum play.

C. suspended or continue to play: play when click pause video, pause when click continue to play the video.

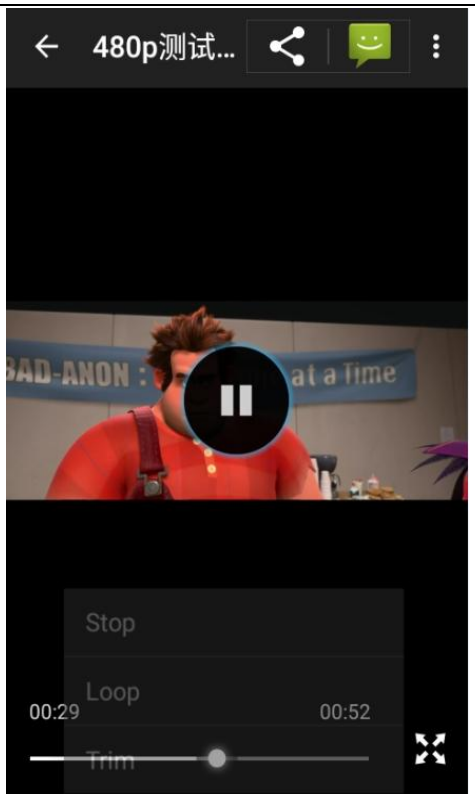
• View images

1) In the picture interface, touch photo album to view images.

2) Touch the thumbnail to view pictures on full screen.

You can choose to display small or large thumbnails. Hold down the screen towards the left side to view the next photo or towards right to view the previous one.

In the photo album or list, press and hold down the picture towards left to view the next picture, or towards right to view the previous one.




## 17. Music

The phone can play digital audio files in memory card.The following formats are available :AMR、M4A、MIDI、MP3、WAV、OGG.

Open Music

Press home, touch the label of applications, touch music. Then the interface of Music Media appears.

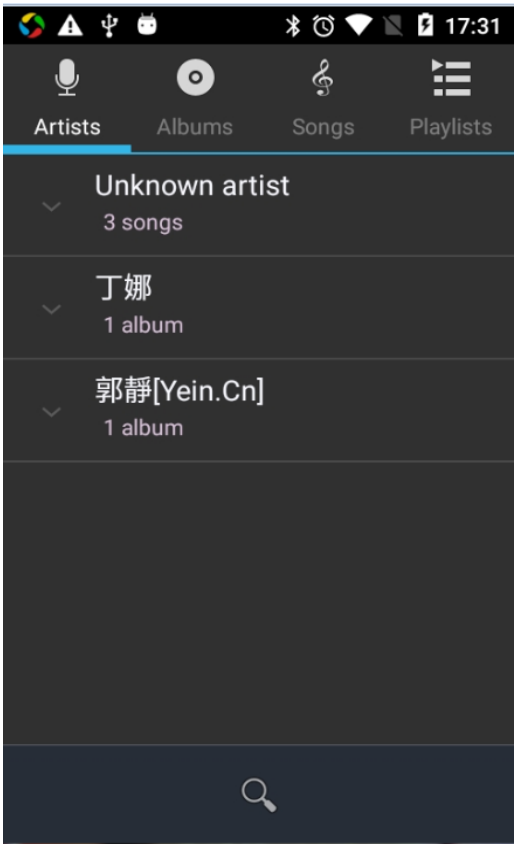
Music Media

Your music files are classified according to the following four categories：Artists, albums, songs and play lists. Touch one of these categories; you can view the list inside.

The right display the current playback mode, looping, random play or lined up to play, etc.

The progress bar at the bottom of the can control the broadcast schedule, and can be shown in the queue to realize fast forward fast rewind, and so on.

Continue the operations, until your wanted music appears. Such as，if you choose Artists a list of artists sorted by the numbers in English will appear. Choose any on to open the list， then all the albums and songs will appear. Select one album, then the songs in it will be played.




Tips: You can play all of the songs in the interface of music media, in random sequence . Press Menu, and then touch the Party Shuffle. Then will start playing the first song randomly selected . To close the Party Shuffle, press Menu, then touch to turn off the Party Shuffle.

a. the Menu button > party shuffle

Tip you can in the music library or play screen, all songs in the broadcast media library in a random order. Press the Menu button, and then touch party shuffle. Will start playing randomly selected from the first song. If you want to close the party random broadcast, please press the Menu button, then touch close party shuffle.

b. the Menu button > add to the playlist

Add the current playing song playlists to users.

c. the Menu button > Use as ringtone

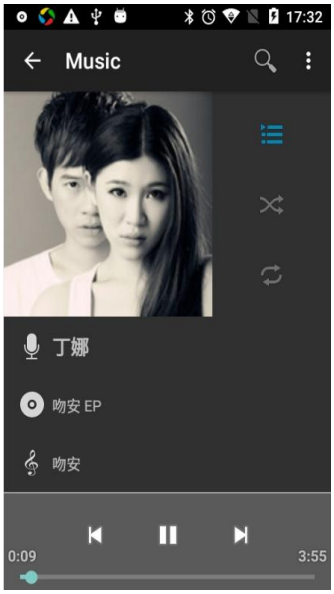
Set the current song into a cell phone rings

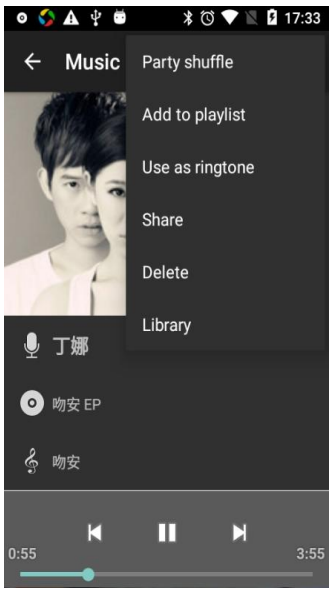
d. the Menu button > delete

Delete the current playback songs, and permanently removed from memory.

e. the Menu button > library

Back to music main screen




• build playlists

1) touch music library on any of the categories.

2) in the list, can hold the screen up and browse to the new you want to play lists of the artist, album or song.

3) hold the artist, album or song, and then touch the options menu is added to the playlist.

4) is added to the playlist window, touch the new playlist.

5) enter the name of the new playlist, and then touch save.

•manage playlists

Enter the music library, then touch the playlist.

1) if you want to play songs in the playlist, please touch the name of the playlist.

2) if you want to delete the playlist, please hold the playlist, then deleted the touch.

3) if you want to rearrange the song in the list of songs or remove, please hold the playlist, then touch the options menu editor.

4) to delete a playlist of songs, please hold down the songs, and then touch is removed from the playlist.

5) if you want to rename playlists, please hold the playlist, then touch the options menu to rename. Enter the new playlist name, and then touch save.

6) if you want to set songs into a cell phone rings, and then the touch menu as a cell phone rings. The song will be set to the default ringtone.

## 18. Calender

Calendar program, main interface

Enter the calendar program, use white color on the surface of the month or perimeter to highlight on the same day, the default to display this week.

In the calendar interface, click the small arrow years the lower right corner, four kinds of display mode:

1), interface display on the day of the schedule on the month or perimeter use white to highlight on the same day.

2) week interface shows the schedule for this week (click date) recently about sliding according to weeks turn pages.

3) on the interface display and month schedule (date) recently click slide up and down can flip on a monthly basis.

4) schedule interface shows the schedule for a certain time space (click can see forward initial time point, click can see back end time point).

• new activities

1) click the MENU button > new activities.

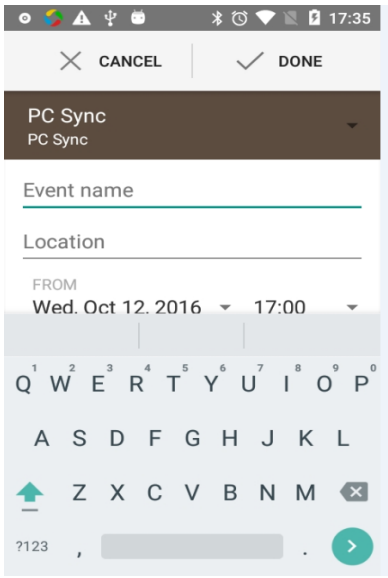
2) in the event details box Enter the name.

Note: if special occasions, such as birthday or a whole day's activity, set the options as throughout the day. Such as activity is in a certain period of time, select the start time and end time.

3) enter the activity location, illustration, invited object, repeat, remind of time.

4) click on to complete the return to the calendar.

Note: all the title of the event is displayed in the calendar. There will be no calendar time period show.




## 19.FM Radio

FM Radio

Through this program, you may listen to FM radio on the device, FM radio use the wired headset as an antenna to receive signals, before opening this program ,you can install the original equipment-headphones, when listening, you can switch it manually to speakers or the mode with wired headphones.

- Open FM radio

Touch this label

to open the application of FM radio.

1）Click on the "search", automatic scanning search FM channel, and channel in list interface, list all channels

2）Click "FM recording", listening to the radio to the current can be recorded. The tape recording to default file name can be arbitrary well-preserved input filename. Save to FM recording the default file.

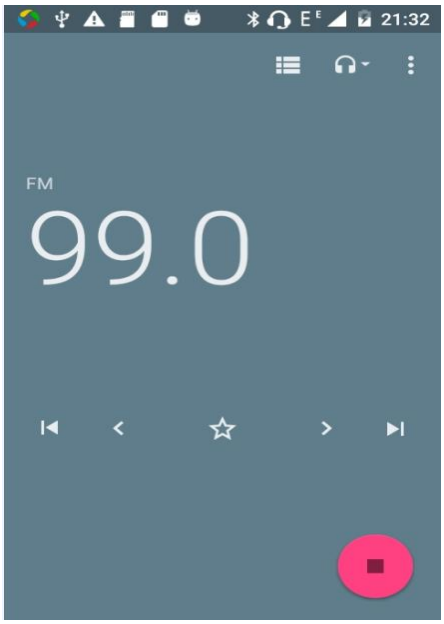
3）Click "exit" closed FM radio, cannot listen to in the background.

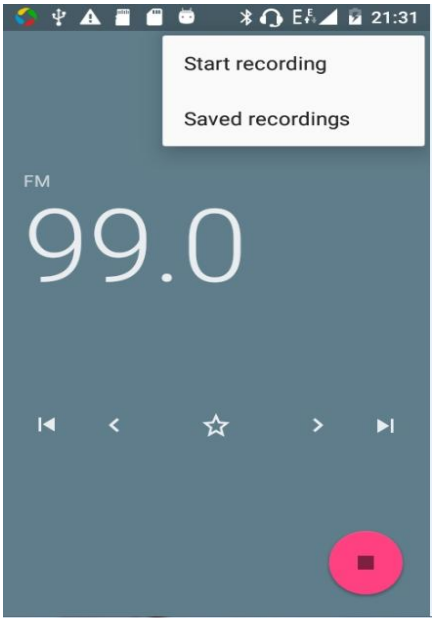
4）Must be insert cable headphones as antenna, but click on the horn button, can put the FM radio.

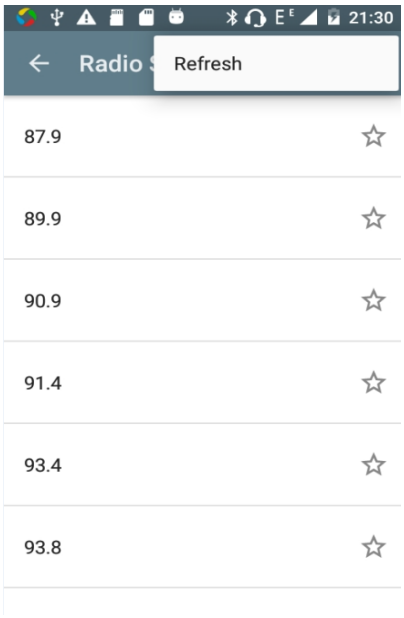
5）Click on the frequency of the rear of the five-pointed star icon, channel was added to the collection channel list.

Listen to FM radio background

Click to return to key, the radio program moved to the background, right now you can still continue to listen to the show, and can also carry out any other program.




## 20.Settings

Your service provider may default some device settings, so you may not be able to change these settings.

Wireless & internet

**•Wi-Fi**

1） Flight mode Touch to open or close.

Wi-Fi and Wi-Fi settings Touch Wi-Fi

to open

. Open Wi-Fi ,it can search for available networks automatically，networks without password can be used directly, others need to enter the password first.

Notice：Open Wi-Fi then the flight mode，Wi-Fi will close automatically；Open flight mode then connect Wi-Fi，it can be used normally.

**•Bluetooth**

Bluetooth switch and setting up the touch bluetooth open, will automatically be search nearby bluetooth open the equipment.

**•SIM cards**

Touch can choose the SIM card or stop using a SIM card

The default SIM card, can choose a voice call, information, and choose which SIM CARDS to use data connection, SIM choose set up call and information

**Data usage**

1. Data usage set up mobile data traffic limit, flow more than limit will be close mobile data services.

•More

Wireless & networks

a. Airplane mode
b. Default SMS app
c. VPN
d. Tethering&portable hotspot
e. Celluar networks

Device

•Display

| | |
|---|---|
| a.Brightness level | Adjust the screen brightness |
| b. wallpaper | Can the wallpaper gallery, gallery program or dynamic library set in the mobile phone wallpaper wallpaper |
| c.Sleep | Adjust the delay before the screen automatically lock. |
| d.Font size | Set the font size of the system |
| e.When device is rotated | Rotate the content inside |

**• Audio Profiles**

This option gives the phone tones' settings under the status of receiving calls or notification. Including：Vibration, volume, ring tones, ring tones notification and feedback（Button operation tone, select Sound, screen lock tone, touch）.To adapt every environment.

1) Select "General / Slient / Vibration / Outdoor，Touch the spot on the right, when turns green ,it opens.
2) Volume：Including the ring volume and alarm clock settings, you can manually slide to select.
3) call: voice phone ring, video phone ring
4) notifications: default notification sound

- **Storage &USB**
  a. Can view the SD card and cell phone memory usage.
  b. Can Unmount SD card or Erase SD card.
  c. Can choose the default memory.

- **Apps**

  a. management application and delete installed applications.

  b. the running services Click on the 'stop' running services, confirmed the service disappear from the list of "running" service.

- **Battery**

  Boot time that use and each module to use power in general

Personal

- **Location**

1) Use wireless Use wireless to find locations in the application（Google map）. Touch it to open or close
2) When using the GPS satellite positioning, set accuracy to street level(cancel it to save battery). Touch it to open or close
3) GPS EPO assistance,use GPS assistance data(EPO)to speed uo GPS poditioning
4) A-GPS Use auxiliary data can accelerate the process of GPS positioning. Open it and remind you "it produce GPRS flows when using A—GPS".

- **Security**

1) Screen locks Use Pattern、PIN or password to lock the screen.
   a. Touch "images", the first time there will be a simple unlock instructions and examples, click "next step" to continue the step "make the unlocking image"。
   b. Touch PIN Enter PIN numbers to unlock the screen.
   c. Touch password Set password to unlock the screen.
   d. Touch "no" Stop this application.
2) Set up SIM card lock Enter（4-8numbers）PIN to set the lock of SIM.

SIM card PIN (Personal Identification Number) is to prevent unauthorized use of SIM cards.PIN code provided with SIM. The service provider gives the initial value.

Change a blocked PIN code, you need to open the "SIM Lock ", then go to Change Password screen, the phone will automatically prompt enter the old PIN code and asked to enter a new PIN code twice,finally the phone will prompt that change the code successfully. If you enter the PIN with error for three times, SIM card PIN codes will be automatically locked, PUK codes is usually supplied with SIM card. If no, you should go to the service provider for the codes.

If you enter 10 times wrong PUK code, the SIM card will be permanently locked.

3) Make password visible Password visible when enter it
4) Device administration Add or delete device manager.
5) Use security credentials Allow application visit security credentials or other credentials.
6) Install from SD card Install the encrypted certificate from SD card.
7) Clear credentials Clear all the contents of the certificate store and reset their passwords.
8).Unknown sources Allow to install non-electronic market applications

.

- **Accounts**

Add account

a. Corporate
b, IMAP
c. Google
d. Personal(IMAP)
e. Personal(PoP3)
f. POP3

- **Languagesand &input**

1) Selecting Language District
Include all the languages on the phone and totally amount of 12 kinds.
2) Custom Dictionary
Add words to custom dictionary or delete.
3) Keyboard Settings
Vibrating when buttons are pressed, Playing sound when buttons are pressed, Capitalizing automatically, Speech Input(by microphone on the keyboard), Inputting words(speech can be altered by sliding finger on space key), Displaying tips(activate predictive function when you input words); Auto-Text(Automatically input certain words when press space key or specified keys)
4)Input method
you can select Android keyboard or google pinyin input method.

- **Backup & reset**

1) Backup I data will application data, WLAN password and other Settings backup to Google's servers
2) Resetting to Factory Settings, Clear all data stored on the phone.

**System**

- **Date & Time**

| | |
|---|---|
| 1) Automation data & time | Use date and time provided by Network. |
| 2) Setting date | Touch “+” and ”-” to set date. |
| 3) Selecting time zone | Select Time Zone according to where you are. For China please select “GMT+08:00, China Standard Time”. |
| 4) Setting Time | Touch “+” and ”-” to set time. |
| 5) Use 24-hour format | ON/OFF |
| 6) Select Date Format | There are 3 kinds of formats you can choose from: Month-Day-Year, Day-Month-Year and Year-Month-Day, among which Year-Month-Day is the default setting. |

- **Timer Switch Machine**

  You can set time of boor or shutdown by touching it,You may also select to repeat it or a certain day during a week.

- **Accessibility**
  1) Large text
  2) Power button ends call: According to the "power" button to end the call to open, call, press the "power" will end the call and not shut down the screen
  3) Auto-rotate screen
  4) Speak passwords
  5) Touch & hold delay

- **Printing**

  Can search a printer for printing

- **Developer options**
  a. USB Debugging: USB debugging only for development and USB disk.
  b. Stay awake:Screen will never sleep while charging.
  c. Pointer location
  d. Show touches
  e. Show screen updates
  f. Show CPU usage
  g. Force GPU rendering
  h. Window animation scale:
  i. Transition animation scale
  j. Don’t keep activities
  k. Background process limit
  l. Show all ANRs

- About phone

  You can check the information on status bar and remaining power.

## 21. Notices for the use of phone

### 1.Safety Notice

If your phone is lost or stolen, please immediately inform the telecom department or commission agents of forbidding the use of SIM card, so that avoid the economic loss caused by false calling of others.

When you contact with telecom department or commission agents, they need to know your phone IMEI number (printed on the label on the back of the phone and can be found after taking down the battery). Please copy the number and keep it safe for future use.

In order to use the phone more safely, please adopt preventive measures, for example: set up the PIN code of SIM card, PIN code can prevent your SIM card from being used by others without permission. When leaving the car, please don't place the phone in a place easy to be seen, you had better to carry with you or lock in the suitcase.

## 2.Safety Alert and Cautions

Before using the phone, please read these cautions carefully so that make sure to use the phone correctly.

### 3.1. General Cautions

On the plane, in the hospital and other places that forbidden to use the mobile phone, please turn off the phone; otherwise it may affect the normal operation of electronic equipments and medical instruments. Please comply with the relevant regulations if using the phone in these places,

Please strictly comply with the laws and regulations about the phone use in the driving place. If you use the phone while you are driving, please comply with the following rules: concentrate on driving, pay attention to the road conditions; if the phone has hands-free function, please make a phone call hands-free; if the driving conditions are not good, please stop the car, and then dial or receive a call.

When approaching the places that storing fuel, chemicals or explosives, and etc., please comply with the laws, regulations and the relevant signs.

Please place the phone, battery and charger in the place out of children's reach, for fear that the children use them as tools and cause personal injury.

Your phone only can use the batteries, chargers and other accessories specified by the company for fear that the phone is damaged. If using other batteries and chargers, it may cause liquid leaking, overheat, explosion, fire breakout and other failures of batteries.

Please don't use the phone close to weak signal or high precision electronic equipments. Wireless wave interference may cause the mis-operation of these electronic equipments.

The phone has the function of timely auto power-on, please check the auto power-on and shut down settings of the phone, so that confirm that the phone will not power on automatically during the flight.

Please don't strike, shake or sling the phone violently for fear that the phone is failed or fire breakout.

Please don't place the battery, the phone and the charger in the micro-wave oven or high-voltage equipment; otherwise may cause circuit damage or fire breakout and other accidents.

Please don't use the phone in the places with inflammable and explosive gas; otherwise may cause phone failure or fire hazard.

Please don't place the phone in the places with high temperature, high humidity or a large amount of dust; otherwise it may cause phone failure.

Please don't place the phone in the uneven or unstable place, prevent the phone from falling off and then cause failure or damage.

Please only use the original antenna or the antenna being approved by the company. Unapproved and modified antenna or the antenna with additional accessories may damage the phone. Please don't touch the antenna during a call. Touching the antenna may affect the call quality and make the phone power higher than the required power in normal use. In addition, using the unapproved antenna may violate the regulations in your country.

### 3.2 Cautions of Using the Phone

Don't take down or modify the phone; otherwise it may cause the damage, leakage and circuit failure of the phone.

Please don't knock the LCD by force or use the LCD to knock other things; otherwise may cause the damage of liquid crystal plate and the leaking of liquid crystal. If liquid crystal enters the eyes, it may damage

eyesight. At this time, please rinse the eyes immediately with clean water (don't rub the eyes), and see a doctor immediately.

In very rare cases, if the phone is used in some types of vehicles, it may have bad effect on the electronic equipments in the vehicle. At this time, please don't use the phone for fear of losing the safety guarantee.

If your vehicle is equipped with the air bag, please don't place the phone above the air bag or the area that can be touched after the air bag is swelled, for fear that the phone is applied very strong external force and cause serious damage on the vehicle owner when the air bag is swelled.

Please don't touch the key-stoke using needles, pen nibs and other sharp objects; otherwise it may damage the phone or cause mis-operation.

If the antenna is damaged, please don't use the phone; otherwise it may cause the personal injury.

Don't make the phone approach to the magnetic card and other magnetic objects too closely; radiation wave of the phone may clean out the information stored in the floppy disks, stored value cards and credit cards.

Please place the drawing pin and other small metal objects in the place that far from the headphone of the phone. The loudhailer is magnetic when it is working and will attract these small metal objects so that may cause personal injury or damage the phone.

Avoid phone damping, prevent water and other liquid from entering the phone, and then cause short circuit, leakage or other failures of the phone.

Please use the phone in the place that far from fixed telephone, TV, radio and office automation equipments, for fear that it may affect the using effects of these equipments and the phone.

### 3.3Cautions of Using the Battery

Please don't take down or modify the battery; otherwise it may cause liquid leaking, overheat, explosion or fire breakout of battery.

Don't throw the old battery into general life rubbish. Treat the battery according to the regulated indication in the place that definitely regulates the waste battery treatment.

Please don't throw the battery into the fire otherwise it may cause the fire breakout or explosion of the battery.

When installing the battery, don't apply pressure forcefully; otherwise it may cause liquid leaking, overheat, explosion or fire breakout of the battery.

Please don't make the battery short circuit using the electrical wire, needle and other metal objects; don't place the battery, necklace and other metal objects together; otherwise it may cause liquid leaking, overheat, explosion or fire breakout of the battery.

Please don't solder the battery contact; otherwise it may cause liquid leaking, overheat, explosion or fire breakout of the battery.

If battery liquid enter the eyes, it may damage eyesight; at this time, please don't rub the eyes using the hand, please rinse the eyes with clean water, and then see a doctor immediately.

Please don't use or place the battery near the fire or oven and other high temperature places; otherwise it may cause liquid leaking, overheat, explosion or fire breakout of the battery.

If the battery is increasing the temperature abnormally, color change, distortion and other phenomena during the using, charging or storing process, please stop using it and then change new battery.

If leaking liquid of the battery contacts with the skin and clothing, it may cause skin burn, please rinse it with clean water immediately, and see a doctor if necessary.

If the battery is leaking liquid or giving out strange odor, please take the battery away from open fire immediately, avoid fire breakout or explosion.

Please don't make the battery damp, otherwise it may cause overheat, smoking or corrosion of the battery.

Please don't use or place the battery under direct sunlight and other high temperature places, otherwise it may cause liquid leaking or overheat, reduce the performance and shorten the service life.

Please don't charge the battery continuously for more than 24 hours.

Please place the battery in the cool and ventilated place away from direct sunlight.

Service life of the battery is limited. Service time of the battery is gradually shortened after the frequent charging. If many times of charging is failed, it means that battery life is drained, please replace the new battery of designated type.

## 3.4Cautions of Using the Charger

Please don't take down or modify the charger; otherwise it may cause personal injury, electric shock, fire breakout or charger damage.

Please use 220V alternating current. Using other voltage may cause leakage, fire breakout and damage the phone and the charger.

Short circuit of the charger is forbidden; otherwise it may cause electric shock, smoking and charger damage.

Please don't use the charger when the power cord is damaged; otherwise it may cause fire breakout or electric shock.

Please clean the dirt that accumulates in the power socket in time.

Please don't place the water container, and etc. near the charger, for fear of water splashing and then cause short circuit, leakage or other failures.

If the charger contacts water or other liquid, please cut off power supply immediately, so that prevent short circuit, fire breakout, electric shock or charger failure.

Don't use the charger in the bathroom and other high humidity places; otherwise may cause electric shock, fire breakout or charger damage.

Please don't contact the charger, electrical wire and power socket with wet hands; otherwise it may cause electric shock.

Don't place heavy object on the power cord or reconstruct the electrical wire; otherwise may cause electric shock or fire breakout.

Please pull out the charger plug from power sockert before the cleaning and maintenance.

Seize the charger when pulling the plug, pulling the power cord will damage the electrical wire, cause electric shock or fire breakout.

Don't charge in the following places: direct sunlight and other high temperature places; wet and ashy place or the place with large vibration (will cause failure); near TV, radio and other home appliances (will affect the image and sound effects).

## 3.5.Security Password

### 3.5.1 PIN

PIN (Personal Identification Number) is used to prevent your SIM card from being used illegally. PIN is usually provided with SIM card together. If you input wrong PIN for continuous three times, please input PUK to unlock it. Please contact with network operations company for more details.

### 3.5.2 PIN 2

You need to input PIN2 when entering some functions (such as call charge); if you input wrong PIN2 for continuous three times, you need to input PUK2 to unlock it. Please contact with network operations company for more details.

### 3.5.3 PUK

When changing the locked PIN, you need to input PUK (Personal Unlock Key). PUK is provided with SIM card together. If it is not provided, please contact with your service provider. If you input wrong PUK for continuous ten times, the SIM card can't be used again. Please contact with your service provider to buy a new card. You can't change PUK. If you lose the code, please contact with your service provider.

### 3.5.4 PUK2

When changing the locked PIN2, you need to input PUK2. If you input wrong PUK2 for continuous ten times, you can't use the functions that need PIN2. Please contact with your service provider to buy new card. You can't change PUK 2. If you lose the code, please contact with your service provider.

## 3.6.Cleaning and Maintenance

Please don't use the phone, the battery and the charger in the bathroom and other high humidity places, and prevent them from rain.

Please clean the phone, the battery and the charger by using soft and dry cloth.

Please don't wipe the phone by using alcohol, thinner or benzene and other chemical reagents.

The socket with dirt may cause poor contact and power-off, so that it can't be charged, please clean it regularly.

# 22. FCC Caution

**§15.19 Labelling requirements.**

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

**§15.21 Information to user.**

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

**§15.105 Information to the user.**

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

**Specific Absorption Rate (SAR) information:**

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

FCC RF Exposure Information and Statement The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: X455A (FCC ID: 2AIMEX455A) has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for use at the **ear is 0.81** W/kg and when properly worn on the **body is** 1.14 W/kg. This device was tested for typical body-worn operations with the back of the handset kept **10mm** from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a **10mm** separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

**Body-worn Operation**

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of **10mm** must be maintained between the user’s body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not

contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.