

# iCAM M300 User's Guide

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# 1. Overview

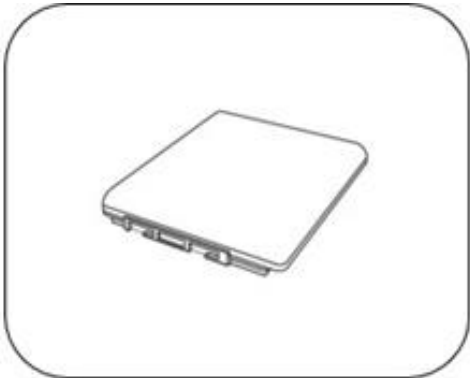
## 1) Specifications

Model	Performance	Wireless	Display / Touch	Data Capture Options	Operating System
iCAM M300	CPU : Octa-core (Quad 1.8GHz and Quad 1.4GHz) RAM : 3GB ROM : 16GB	WWAN : HSPA+ / LTE WLAN : IEEE 802.11 a/b/g/n Bluetooth : Class2, V4.2 BLE	Display : 4.3 inch WVGA (480 x 800) Touch : Capacitive Or Resistive Touch	Camera : 13MP Iris Camera : 5MP BW HF RFID / NFC (13.56MHz)	Android 6.0.1 Marshmallow

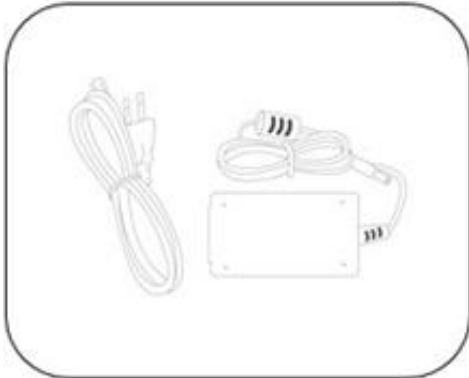
## 2) Package



iCAM M300



Battery



Adapter / AC Cord



Cradle

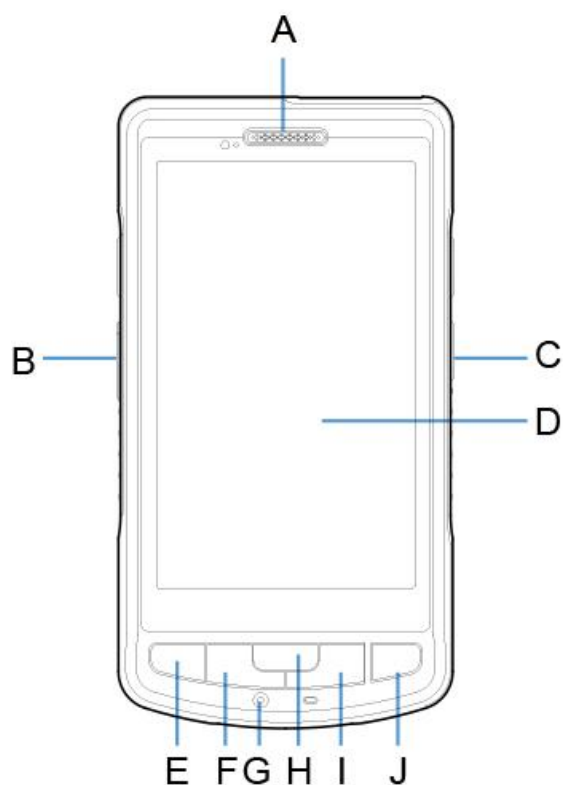


USB Cable / Stylus Pen, String

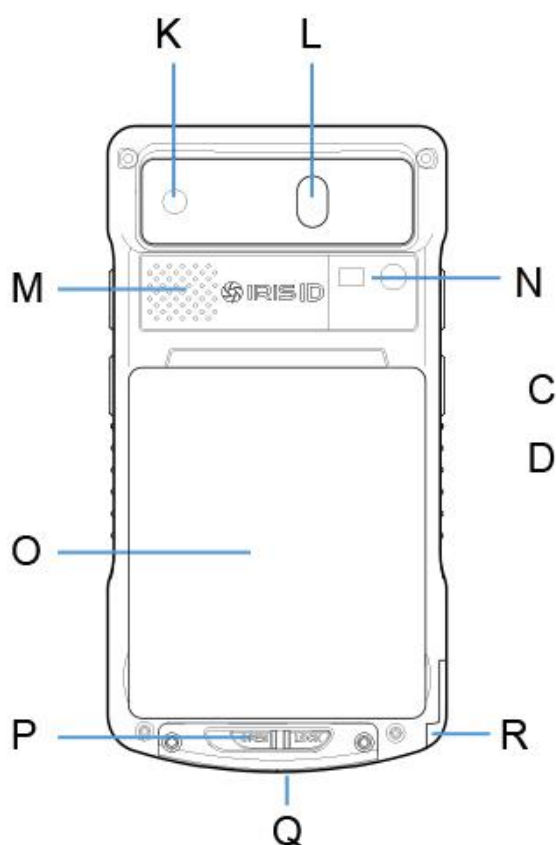


Quick Manual

### 3) Device Features



- A. Receiver
- B. Volume Up / Down Buttons
- C. Camera Button
- D. LCD / Touch
- E. Home Button
- F. Call Button
- G. Reset Button
- H. Back Button
- I. Menu Button
- J. Power Button



- K. Iris Camera
- L. IR LED
- M. Speaker
- N. Camera & Flash
- O. Battery
- P. Battery Locker
- Q. I/O Connector
- R. Stylus Pen Slot

# 2. Getting Started

## 1) Installing Cards

There are three slots to insert SAM, micro SD, and SIM cards in the back of your device.

A. SAM card is required for security transactions that are made through your device.

It validates the device and the credit cards. It also includes the company information.

B. Micro SD card is required for external storage.

C. SIM card is required for using mobile services.

### IMPORTANT:

All cards should be purchased separately if necessary. The specifications may differ from the countries where the device is purchased.

Contact your sales representative for more information.

#### A. Installing the Cards

##### (1) SIM Card

- Slide the SIM Card toward the top of the device like direction of an arrow A.

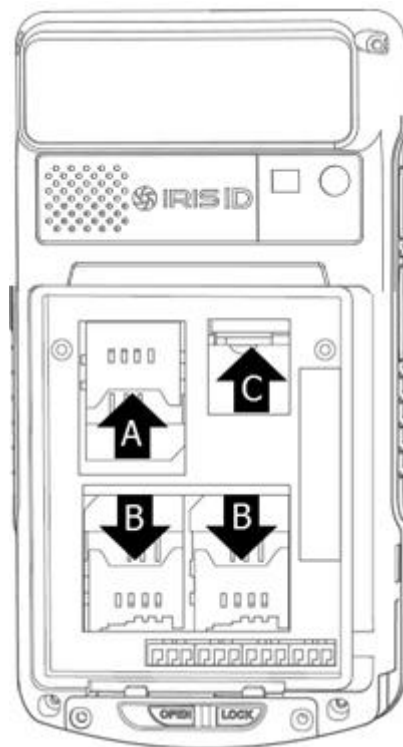
##### (2) SAM Card (2 Slot)

- Slide the SAM Card toward the top of the device like direction of an arrow B.

##### (3) Micro SD Card

- Slide the Micro SD Card toward the top of the device like direction of an arrow C.

\*\* For the appropriate socket, slide the card (contacts facing down) into the socket, and then close the retention flap.



#### B. Removing the Cards

##### (1) SIM / SAM Card

- To remove the cards, pull and remove the card completely.

##### (2) Micro SD Card

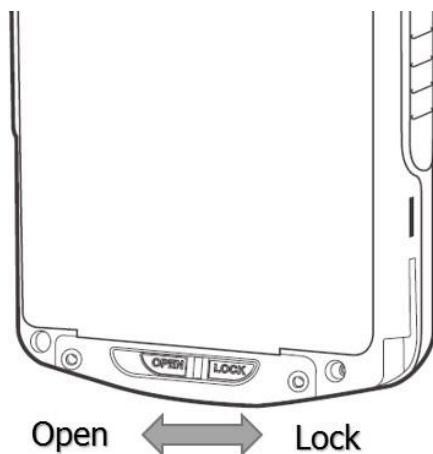
- To remove the cards, push the inserted card once. The card is released with a click sound. Pull and remove the card completely.

## 2) Installing Battery

iCAM M300 uses a Lithium-ion rechargeable battery

(Standard 1860mAh, Middle 2860mAh, Extended 4000mAh).

Install the provided battery before starting to charge the device.



### A. Installing the Battery

- (1) Insert the battery, top first, into the battery compartment in the back of the device.
- (2) Press the battery down into the battery compartment.
- (3) Lock the Battery Release Latch.

\*\* When removing the battery cover, be careful not to damage your fingernail.

### B. Removing the Battery

- (1) Open the Battery Release Latch.
- (2) Pull the battery up into the battery compartment.

## 3) Charging the Battery

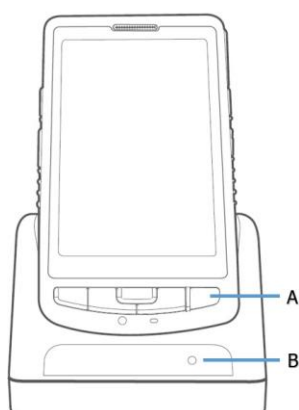
Before using the iCAM M300 device for the first time, charge the main battery until the amber Charging/Battery Status LED remains lit (see below picture for charge status indications).

To charge the device, use a cable or a cradle with the appropriate power supply.

### A. To charge with the cradle

- (1) Place the device on the cradle as illustrated below. Connect the power adapter with the cradle, and plug it into a power outlet.
  - Connect the charging accessory to the appropriate power source.
  - Insert the device into a cradle or attach to a cable.
  - The device begins charging.
  - The Charging/Battery Status LED red while charging then turns LED green when fully charged.

\*\* You can also take out the battery from the device and charge it separately on a cradle.



#### A. Device charging status LED

- OFF : Not charging
- Red LED : Charging
- Green LED : Fully charged

#### B. Spare battery charging status LED

- OFF : Not Charging
- Red LED : Charging
- Green LED : Fully Charged

\*\* If the LED is off when the device or the spare battery was mounted. Make sure that RP1600 is inserted correctly in the cradle or RP1600 is connected to a power source.

- (2) Battery full charging time  
- 1,860mAh: 4hr / 2,860mAh: 5hr / 4,000mAh: 6hr

### CAUTION

Do not use any other charger except one (5.0V / 3.0A) provide.

Make sure to handle it gentle; damage with excessive force may cause no warranty.

Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

When attached battery is completely discharged, plug charger to main body, then reset the device to check if screen is back on.

## 4) Power

### A. Power on the Device

After inserting the battery or when turning the device on for the first time, the splash screen displays for about a minute as the device boots, then the main screen appears.

\*\* Press and hold the power button approximately 3 seconds to turn the device on while the device is charging on a cradle.

### B. Resetting the Device

(1) You rarely need to reset the computer. If the computer or an application lock up, you may need to reset the device.

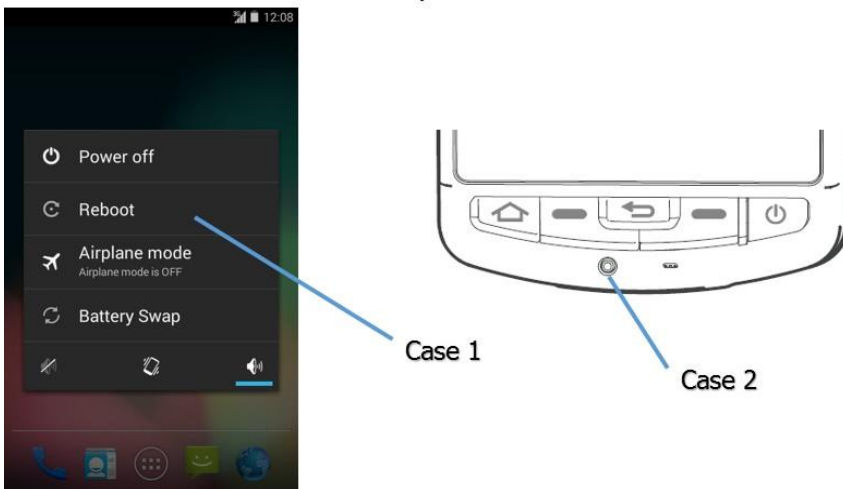
The device uses the configuration currently saved in flash memory during the boot process. There are three ways to reset the device:

(2) If the device is not functioning properly, perform a reset first. If the device still does not respond, perform a hard reset.

### C. Soft Reset

Case 1 : Press and hold the power button to perform a Soft Reset.

Case 2 : Press the reset button to perform a Soft Reset.



### D. Hard Reset

Press and hold the power button for approximately 7 seconds to perform a Hard Reset.

(Perform a Hard Reset if a Soft Reset is not working)

### E. Factory Reset

(1) Follow the below steps to perform a Factory Reset.

- Path : Settings > Backup & reset > Factory data reset > Reset phone > Erase everything

### CAUTION

The Factory reset process erases the device memory, including all applications and data files in the object store.

### F. Power off the Device

(1) Press the Power button until the menu appears.

(2) Touch Power off



## 5) Manage Battery

### A. Battery Usage

\*\* Prior to checking the battery charge level, remove the iCAM M300 from any AC power source. (cradle or multigender)

The Battery screen lists which applications consume the most battery power. Also use it to turn off applications that were downloaded if they are consuming too much power.

Path : Menu > Settings > Battery



- (1) The Battery screen lists the applications using the battery. The discharge graph at the top of the screen shows the rate of the battery discharge since last charged (short periods of time when connected to a charger are shown as thin green lines at the bottom of the chart), and how long it has been running on battery power.
- (2) Touch an application in the Battery screen to display details about its power consumption. Different applications display different information. Some applications include buttons that open screens with settings to adjust power use.

### B. Low Battery Notification

- (1) When the battery charge level drops below 10% and 5%, the device displays a Low Battery Notification.
- (2) When the battery charge level drops below 2%, the device displays a Low Battery Notification and turns off automatically.

### C. Turning off the Radios

- (1) Press the Power button until the menu appears.
- (2) Touch Airplane mode. the airplane icon appears in the status bar indicating that all the radios are off.

## 6) Settings the Date & Time / Language

### A. Automatic Settings

#### (1) Data & Time

The date and time is automatically synchronized using a NITZ server when the iCAM M300 is connected to a cellular network. The user is only required to set the time zone or set the date and time when not connected to a cellular network or if the wireless LAN does not support Network Time Protocol (NTP).

#### (2) Language / Input

When installing a SIM Card, the device set language automatically in accordance with information of a SIM Card.

## B. Manual Settings

### (1) Date & Time

- Menu > Settings > Date & time > Automatic date & time to disable automatic date and time synchronization.
- Set date > Move the sliders up and down to select the month, date and year.
- Set Time > Move the sliders up and down to select the hour, minutes and part of the day.
- Select time zone > Select the current time zone from the list.

### (2) Language / Input

- Menu > Language & input > Select the Language from the list
- \*\* SIP is changed to the basic form according to the language setting.

## 7) Display

### A. Brightness

#### (1) Menu > Settings > Display > Brightness

- #### (2) In the Brightness dialog box, touch Auto to set the iCAM M300 to automatically adjust the brightness using the built-in light sensor. Deselect Auto to set the brightness manually. Use the slider to set a brightness level.

### B. Screen Rotation

By default, screen rotation is disabled. To enable screen rotation :

#### (1) Menu > Settings > Display

- #### (2) Uncheck Auto-rotate screen to set the iCAM M300 to automatically switch orientation when the iCAM M300 is rotated.

\*\* The Home screen does not rotate

### C. Screen Timeout (To set the screen sleep time)

#### (1) Menu > Settings > Display > Sleep

#### (2) Select one of the sleep values

- 15 seconds, 30 seconds, 1 minute, 2 minutes (Default), 5 minutes, 10 minutes, 30 minutes, Keep Screen Turned ON

\*\* Set "Keep Screen Turned ON" that can reduce battery life significantly.

### D. Font Size

#### (1) Menu > Settings > Display > Font size

#### (2) Select one of the font size values.

- Small, Normal (Default), Large, Huge

## 8) Sound

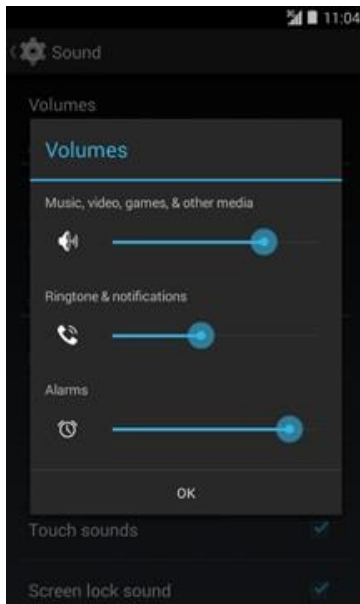
### A. Use the Sounds settings to configure media and alarm volumes.

- Menu > Settings > Sounds



## B. Volumes

- Use to change the volume of Media, Ringtone & notifications, Alarms.



## C. Call Ringtone & Vibrate

- (1) Phone ringtone
  - Touch to select a ringtone to sound when an incoming call is received.
- (2) Vibrate when ringing
  - Check to make the device vibrate when a call is received

## D. System

- (1) Default notification sound
  - Touch to select a sound to play for all system notifications.
- (2) Dial pad touch tones
  - Check to play a sound when a phone key is touched
- (3) Touch sounds
  - Check to play a sound when making screen selections
- (4) Screen lock sound
  - Check to play a sound when locking and unlocking the screen
- (5) Vibrate on touch
  - Check to have the device vibrate when touching soft key and on certain screen interactions

# 3. Basic Function

## 1) Home Screen

You can personalize the panels with your choice of shortcuts, apps, folders and widgets.  
The Favorites tray, located at the bottom of the screen, is visible from any of the five home screen panels.  
You can modify the apps in the Favorites tray to include the apps you use most.

If you want to view all the apps and widgets available on the terminal, touch Menu in the Favorites tray.  
From the Menu screen, select either APPS or WIDGETS.

Notifications and status indicators appear at the top of the screen.  
Notifications appear on the left, status indicators for various system function on the right with the current time

You can press the Home button on the front of the terminal to return to the Home screen from any open app.




### HOME SCREEN



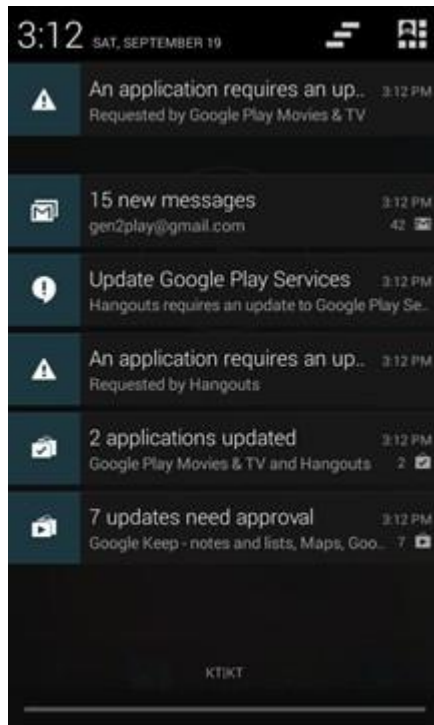
## 2) Accessing the Status Bar

To view additional details about a notification, touch and hold the status bard at the top of the screen and then drag down.

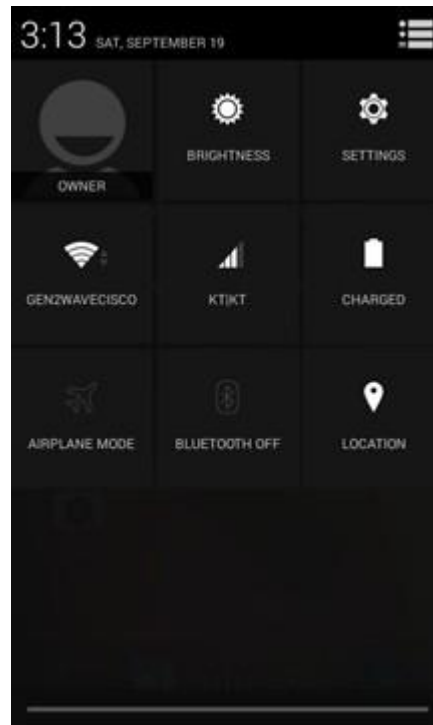
The notification panel provides quick access to all your notifications.

- Touch any notification to open the related app and access additional settings or information.
- Select  to access the quick settings screen. To the return to the notifications screen. select 
- Select  to dismiss all the notifications listed. Swipe left or right on a single notification to dismiss only that notification.

To Close the notification panel, swipe up from the bottom of the screen.



**Notification Panel**

















**Quick Settings**

## 3) Common Status and Notification Icons








Notifications and status indicators appear at the top of the screen

Notification on the left   Status and Time on the Right

Icon	Meaning	Icon	Meaning	Icon	Meaning
	Vibrate mode is turned on		Sound is turned off		New SMS or MMS
	Battery Status		Battery is charging		Airplane mode is turned on
	USB debugging enabled		Bluetooth is turned on		Ethernet network connected
	USB debugging enabled		Bluetooth is turned on		Ethernet network connected
	WWAN is turned on (Call)		WWAN is turned on(Call & Data)		

## 4) Function Buttons

The Device has function buttons.

Button		Function
	Home	Return to the Home screen
	Call	Phone Menu / Receive Call
	Back	Back to the previous screen.
	Menu	Opens additional menu options.
	Power	Power Menu / Sleep on, Wake up
	Volume	Raises or lowers the volume of the active speaker.
	Camera	Capture Image

### 5) Turning Airplane Mode ON/OFF

Turn Airplane Mode on to disable all the terminal radios that transmit voice or data.

- A. Press and hold the Power button until the options menu displays.
- B. Touch Airplane Mode to toggle the mode on or off.

When Airplane Mode is turned on, shows on the status bar.

### 6) Connecting the Device to a Computer(PC) via a USB connection

You can transfer files between your computer and the terminal using the supplied USB Charge / Communication cable or a device with a standard USB cable

\*\* The device supports USB 2.0(Hi-Speed) communication.

- A. Connect the device on cradle to your PC using the USB Charge/Communication cable supplied.
- B. If a USB connection automatically establishes, a notification briefly appears at the top of the Screen on the terminal (Connected as a MTP)

If a USB connection does not automatically establish

- (1) Path : Menu > Settings > Storage
- (2) Touch More, and then USB computer connection
- (3) Select either Connected as a media device(MTP) or Camera(PTP).

Your selection is stored as the default but is easy to change by accessing the Notification panel.

Swipe down from the Status/Notification bar at the top of the screen to view USB connection details and change the type

### 7) Personalizing the Home Screen Panels and Favorites Tray

Streamline your work flow by customizing the Home screen panels and Favorites tray with your choice of app shortcuts, folders, and widgets.

- A. To add an app shortcut or widget

- (1) Path : Menu > APPS or WIDGETS
- (2) Touch and hold the app icon or widget you want to add. The terminal switches to the Home screen
- (3) Drag and drop the app icon or widget into position on one of the panels. You can also drag the app into an open spot on the Favorites tray.

- B. To remove/delete an item

- (1) Touch and hold the item.

- (2) Drag the item to the top of the screen where the word Remove is displayed.
- C. To move an item
  - (1) Tap and hold the item.
  - (2) When the unit vibrates, drag and drop the item in the new location
  - \*\* The next panel automatically opens if you drag the item to the edge of the touchscreen.
- D. Folder
 

Use Folder to organize similar applications together. Touch the folder to open and display items in the folder.

  - (1) Creating a Folder: To create a folder, there must be at least two app icons on the Home screen.
    - Go to the desired Home screen.
    - Touch and hold on one application icon.
    - Drag the icon and stack on top of another icon
    - Lift and release
  - (2) Naming Folders
    - Touch the folder
    - Touch the title area and enter a folder name using the keyboard
    - Touch Done
    - Touch anywhere on the Home screen to close the folder. The folder name appears under the folder.
  - (3) Removing a Folder
    - Touch and hold the folder icon until it enlarges.
    - Drag the icon to Remove and release.

## 8) Using the File Browser on the Device

File Browser provides a graphical utility to browse the files stored on the device and the microSD card.

- A. Path : Menu > ES File Explorer
- B. Touch a folder name or file name to open the folder or file.
- \*\* Due to system permissions, some files cannot be opened. Depending on the associated application, a choice of applications may be available to open the file.

## 9) Using the Touchscreen

All iCAM M300 can support both type touch panel, resistive and capacitive.

- A. Tap
  - (1) Select items on the screen.
  - (2) Type letters and symbols using the on-screen keyboard.
  - (3) Press on-screen buttons.
- B. Tap and Hold
  - (1) An item on the Home screen to move it to a new location or to the trash.
  - (2) An item in Apps to create a shortcut on the Home screen.
  - (3) The Home screen to open a menu for customizing the Home screen.
  - (4) An empty area on the Home screen until the menu appears.
- C. Drag
  - (1) Tap and hold an item for a moment and then move finger on the screen until reaching the new position.
- D. Swipe : Move finger up and down or left and right on the screen to
  - (1) Unlock the screen.
  - (2) View additional Home screens.
  - (3) View additional application icons in the Launcher window.
  - (4) View more information on an applications screen.
- E. Double-tap
  - (1) Tap twice on a web page, map, or other screen to zoom in and out.
- F. Pinch
  - (1) In some applications, zoom in and out by placing two fingers on the screen and pinching them together (to zoom out) or spreading them apart (to zoom in).
  - \*\* Resistive touch panel does not support "PINCH"

## 10) Using the On-screen Keyboard

Use the on-screen keyboard to enter text in a text field. To configure the keyboard settings, Menu > Settings > Language & input and then select keyboard settings.

### A. Editing Text

- (1) Edit entered text and use menu commands to cut, copy, and paste text within or access applications.  
Some applications do not support editing some or all of the text they display; others may offer their own way to select text.

## 11) Switching between recent applications

- A. Hold Home button.
- B. Windows appears on the screen with icons of recently used applications.
- C. Slide the windows up and down to view all recently used applications.
- D. Swipe left or right to remove application from the list and force close the application.
- E. Touch an icon to open it or back button to return to the current screen.





# 4. Calls

Make a phone call from the Phone application, the People application or other applications or widgets that display

## 1) Emergency Calling

The service provider programs one or more emergency phone numbers, such as 911 or 999, that the user can call under any circumstances, even when the phone is locked, a SIM card is not inserted or the phone is not activated. The service provider can program additional emergency number into the SIM card. However, the SIM card must be inserted in the device in order to use the numbers stored on it. See the service provider for additional information.

\*\* Emergency numbers vary by country. The phone's pre-programmed emergency numbers may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.

## 2) Audio Modes

The device offers three audio modes for use during phone calls.

- A. Handset Mode : Switches audio to the receiver at the top front of the device, so the user can use the device as handset. This is default mode.
- B. Speaker Mode : Use the device as if on speaker phone.
- C. Headset Mode : Connect a Bluetooth or wired headset to automatically switch audio to the headset.

\*\* The multi-gender, vehicle cradle or direct audio jack should be needed for the wired headset connection.

## 3) Adjusting Audio Volume

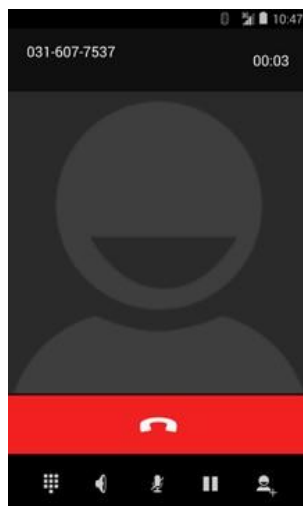
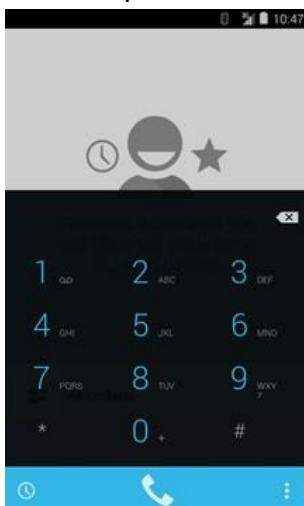
Use the Volume buttons to adjust the volume of the ringer when not in a call and the audio volume when in a call.






\*\* Adjust the conversation phone volume during a call, Adjusting the volume while not in a call affects the ring and notification sound levels.

## 4) Making a call using the dialer

Use the dialer tab to dial phone numbers.

- A. On the Home screen touch phone icon.
- B. Touch the phone tab above the dialer.
- C. Touch the keys to enter the phone number.
- D. touch phone below the dialer to initiate the call.



Menu		Function
	Dailer	Open the dialer.
	Switch Speaker	Turn on the speakerphone.
	Mute/Unmute	Mute/Unmute your line.
	Hold/Unhold	Hold/Unhold a call
	Add call	Add another person to the call

## 5) Making a call using the contacts and call history

### A. Using the contacts

- (1) On the Home screen touch phone icon.
- (2) Touch the people icon tab.
- (3) Touch the contact to initiate the call.
- (4) Touch end icon to end the call.

### B. Using the call history

Call History is a list of all the calls placed, received, or missed. It provides a convenient way to redial a number, return a call, or add a number to Contacts.

Arrow icons beside a call indicate the type of call, Multiple arrows indicate multiple calls

 Missed incoming call       Received incoming call       Outgoing call

- (1) On the Home screen touch phone icon.
- (2) Touch the time icon.
- (3) Touch phone icon next to the contact to initiate the call.
- (4) Touch end icon to end the call.

## 6) Making a conference call

To create a conference phone session with multiple people.

**\*\*** Conference Calling and the number of conference calls allowed may not be available on all services. Please check with the service provider for conference calling availability.

### A. Two calls

#### (1) Make a call

(2) When the call connects touch . The first call is placed on hold.

(3) Touch the keys to enter the second phone number.

(4) Touch call icon the dialer to initiate the call

(5) When the call connects, the first call is placed on hold and the second call is active.

### B. Merge call

(1) Touch  icon to create a conference call with three people.


(2) Add another call. The conference is placed on hold.

(3) Touch merge icon to add the third call to the conference.

(4) touch Manage Conference to view all callers.

(5) To remove a caller from the conference, touch call icon next to the caller.

**\*\*** To speak privately with one party during a conference call, touch Manage Conference and

Then touch the caller. To include all parties again, touch  icon.

## 7) Making a call using a bluetooth headset

### A. Bluetooth headset

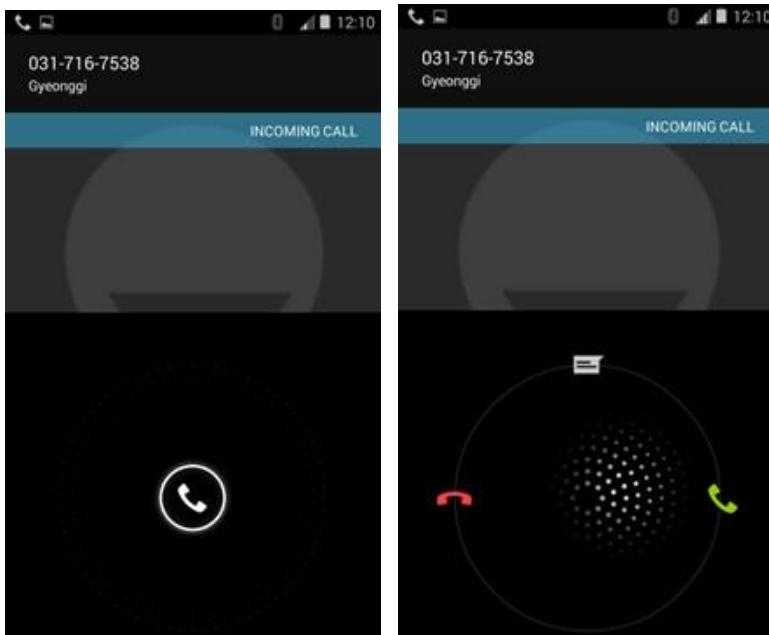
- (1) Pair the bluetooth headset with the device.
- (2) Press the call button on the bluetooth headset
- (3) Press the call button on the bluetooth headset to end the call.




## 8) Answering Calls

When you receive a phone call, the Incoming call screen opens, displaying the call ID and any additional information about the caller that is in the people application.

All incoming calls are recorded in the phone application Call log tab, If you miss a call, you receive a notification. To silence the ringer before answering the call, press the volume down button on the side of device.

When a call arrives, touch the white phone icon and slide over on of these icons



Menu		Function
	Answer call	Start talking to the caller.
	Send to voice mail	Direct the caller to leave a voice mail message.
	Send a message	Opens a list of quick text responses. Touch one to send it to the caller immediately.

## 9) Answering calls with a bluetooth headset or wire headset

When you receive a phone call, the Incoming call screen opens, displaying the call ID and any additional information about the caller that is in the People application.

All incoming calls are recorded in the **Phone** application Call log tab. If you miss a call, you receive a notification. To silence the ringer before answering the call, press the volume down button on the side of the device. When a call arrives, touch the Call button on the Bluetooth headset to answer the call. To end the call press the Call button on the Bluetooth headset.

## **10) Call Settings**

Use the call settings to modify options related to the phone call feature.

### **A. Ringtone & Vibrate**

- (1) Phone ringtone : touch to select a ringtone to sound when an incoming call is received.
- (2) Vibrate when ringing : Check to make the device vibrate when a call is received.

### **B. Other call settings**


- (1) Voicemail : touch to configure voicemail settings
  - Service : Set the service provider or other provider for voicemail service.
  - Setup : Touch to update the phone number used to access voicemail.
  - Sound : touch to select a sound to play when a voicemail is received.
  - Vibrate : Set vibrate option.
- (2) Dial pad touch tones : Check to play a sound when a phone key is touched.
- (3) Quick responses : Touch to edit quick responses to use instead of answering a call.
- (4) Fixed Dialing Numbers : Use Fixed Dialing to restrict the phone to dial only the phone numbers or area codes specified in ad Fixed Dialing list.

# 5. Applications


This section describes the applications installed on the device.

## 1) Messaging

Use Messaging to send and receive SMS and MMS message.

From a Home screen or Menu, touch 


### A. Sending a Text Message

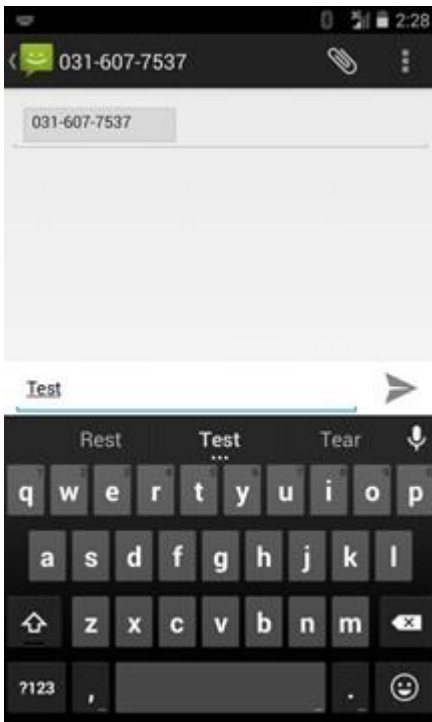
- (1) In the main Messaging screen, touch 
- (2) In the to field, enter a name or a mobile phone number.
- (3) In the Type message field, enter the text message.

The 160-character limit counter indicates how many characters are left. If it goes over that limit, a new message is created, which is joined with its predecessors when received.



If the user presses the Back button while composing a message, it's saved as a draft in the Messaging screen.

Touch the conversation to resume composing it.

- (4) Touch  to send the message.

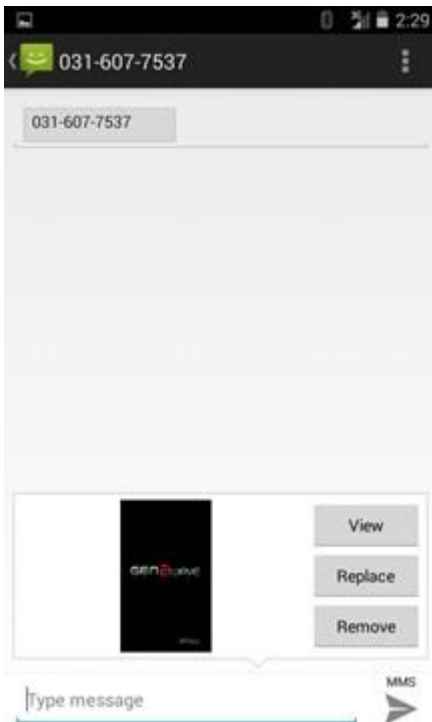


### B. Sending a Multimedia Message

- (1) In the main Messaging screen, touch 
- (2) In the to field, enter a name or a mobile phone number.
- (3) Touch  to attach the media file of your choice
  - Pictures : Select a picture to attach.
  - Capture picture : Camera opens to take a picture and attach it.
  - Videos : Select a video to attach.
  - Capture video : Camcorder opens to record a video and attach it to the message.
  - Audio : Choose a sound file to attach.
  - Record audio : Sound Recorder opens to record a spoken message and attach it to the message.


- Slideshow : Opens a screen opens to assemble txt, photos, videos, and recordings into a slideshow of up to 10 slides to attach to the message.
- Contacts : Send a contact's information.

(4) Touch ➤ to send the message.



## 2) People

Use the People application to manage contacts.

From a Home screen or menu, touch .

People open to the main list of contacts. View contacts in three way at the top of the screen: Groups, All contacts, and Favorites. Touch the tabs to change how to view the contacts. Swipe up or down to scroll through the lists.

### A. Adding People

- (1) In the People application.
- (2) If there are more than one account with contacts, touch the one to use.
- (3) Type the contact's name and other information. Touch a field to start typing, and swipe down to view all categories.
- (4) To add more than one entry for a category
- (5) Touch Done

### B. Editing People

- (1) In the People application.
- (2) Touch a person to edit.
- (3) Touch Menu > Touch Edit.
- (4) Edit the contact information.
- (5) Touch Done.

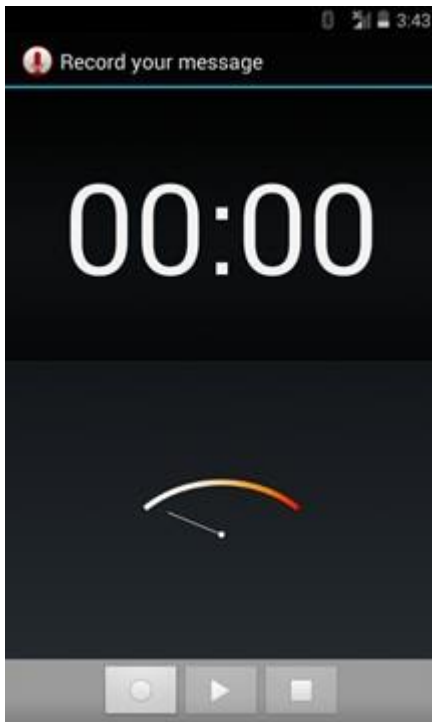
### C. Deleting People

- (1) In the People application.
- (2) Touch a person to edit.
- (3) touch Menu > Touch Delete.
- (4) Touch OK to confirm.

### 3) Sound Recorder

Use Sound Recorder to record audio messages.

Recording are saved on the microSD card(if installed) or the Internal Storage and available in the Music application playlist titled "My Recordings"




### 4) Gallery

The device support the following image formats : jpeg, gif. pnd, bmp.

The device support the following video formats : H.263, H.264, MPEG4 simple profile.

Use Gallery to

- A. View photos
- B. Play videos
- C. Perform basic editing of photos
- D. Set photos as wallpaper
- E. Set photos as a contact photo
- F. Share photos and videos

To open the Gallery application, touch Menu >  or in the camera application touch the thumbnail image at the top right.

Gallery presents all photos and videos stored on the microSD card and internal memory.

### 5) Bug History

Use Bug History to capture log files for diagnostics.

- A. Path : Menu > Bug History

- B. Touch 

- C. Input SUBJECT(bug name)

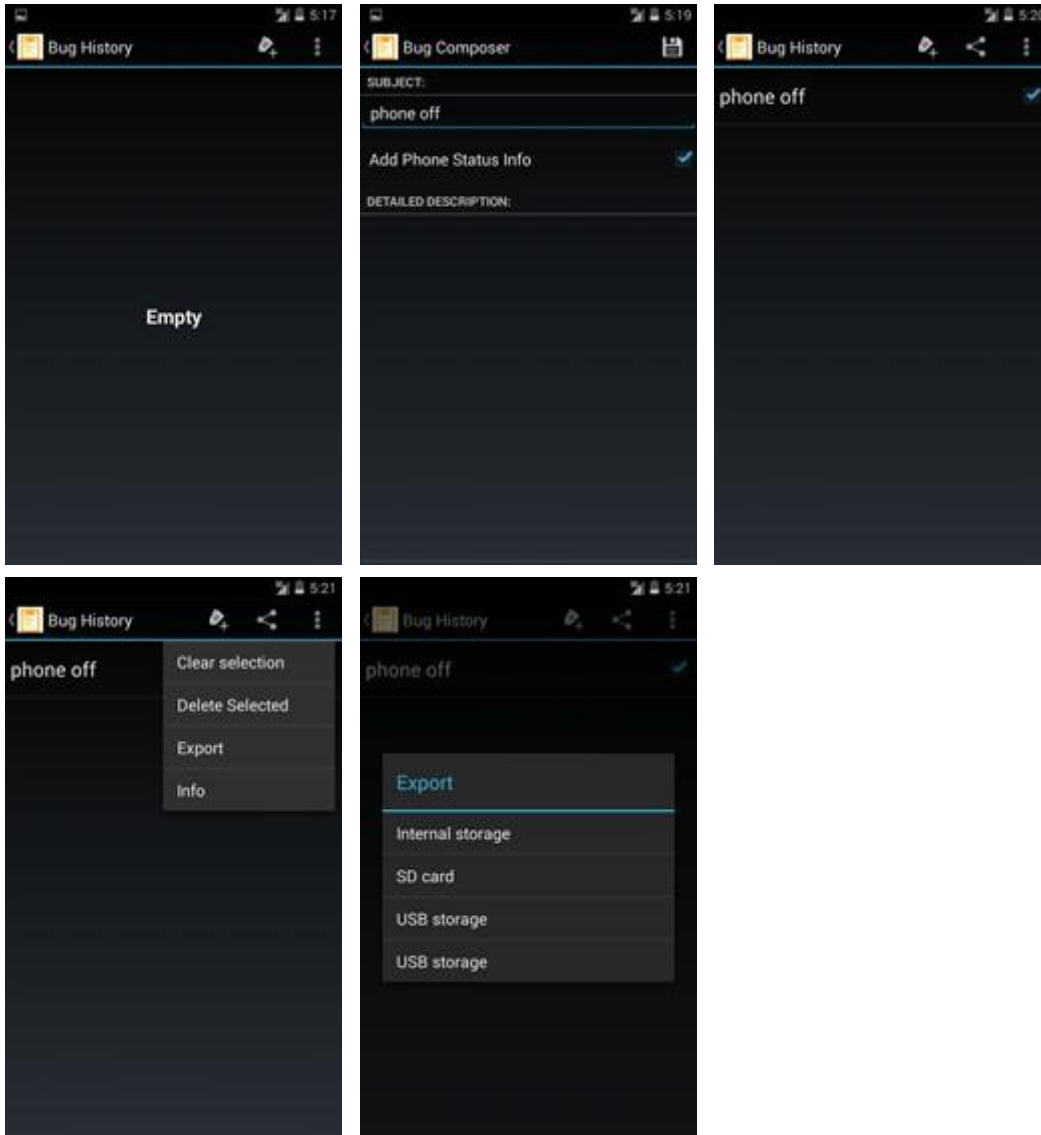
- D. Touch 

- E. Check SUBJECT

- F. Touch 

- G. Touch Export

- H. Select export storage



## 6) G2W TEST

It is available for users to test main functions of the device.

A. Path : Menu > G2W TEST

B. Test

Select each test item to check each function is working properly or not.

< Test1		< Test2		< KEY	
LCD <input type="checkbox"/>	Flash <input type="checkbox"/>	Proximity <input type="checkbox"/>	Illumination <input type="checkbox"/>		
Key <input type="checkbox"/>	Vibration <input type="checkbox"/>	Sleep <input type="checkbox"/>	Bluetooth <input type="checkbox"/>		
Speaker <input type="checkbox"/>	Receiver <input type="checkbox"/>	WLAN <input type="checkbox"/>	Scanner <input type="checkbox"/>		
Battery <input type="checkbox"/>	Touch <input type="checkbox"/>	Camera <input type="checkbox"/>	GPS <input type="checkbox"/>		
Backlight <input type="checkbox"/>	Record <input type="checkbox"/>	IC Card <input type="checkbox"/>	RFID <input type="checkbox"/>		
Accelerator <input type="checkbox"/>	Compass <input type="checkbox"/>	NFC <input type="checkbox"/>	SAM <input type="checkbox"/>		
Next		Clear	Finish	Fail	Success



C. Information  
View basic information about the device.

< Device Information

OS Ver	v1.26	Boot Ver	2.05
P/N	RP1672WP1GW1BCK1WRBXXM2ENISX1A02		
Audio	33.65.0		
FW	03.001		
Serial No	ABC00002		
WLAN MAC	28:38:CF:A0:0C:03		
BT MAC	28:38:CF:A0:0C:04		
Scanner	2D		
IMEI	359628043784292		
RAM	2,328 MB / 2,806 MB		
ROM	11,694 MB / 12,711 MB		

Finish

# 6. Using the Iris Camera


## 1) Overview

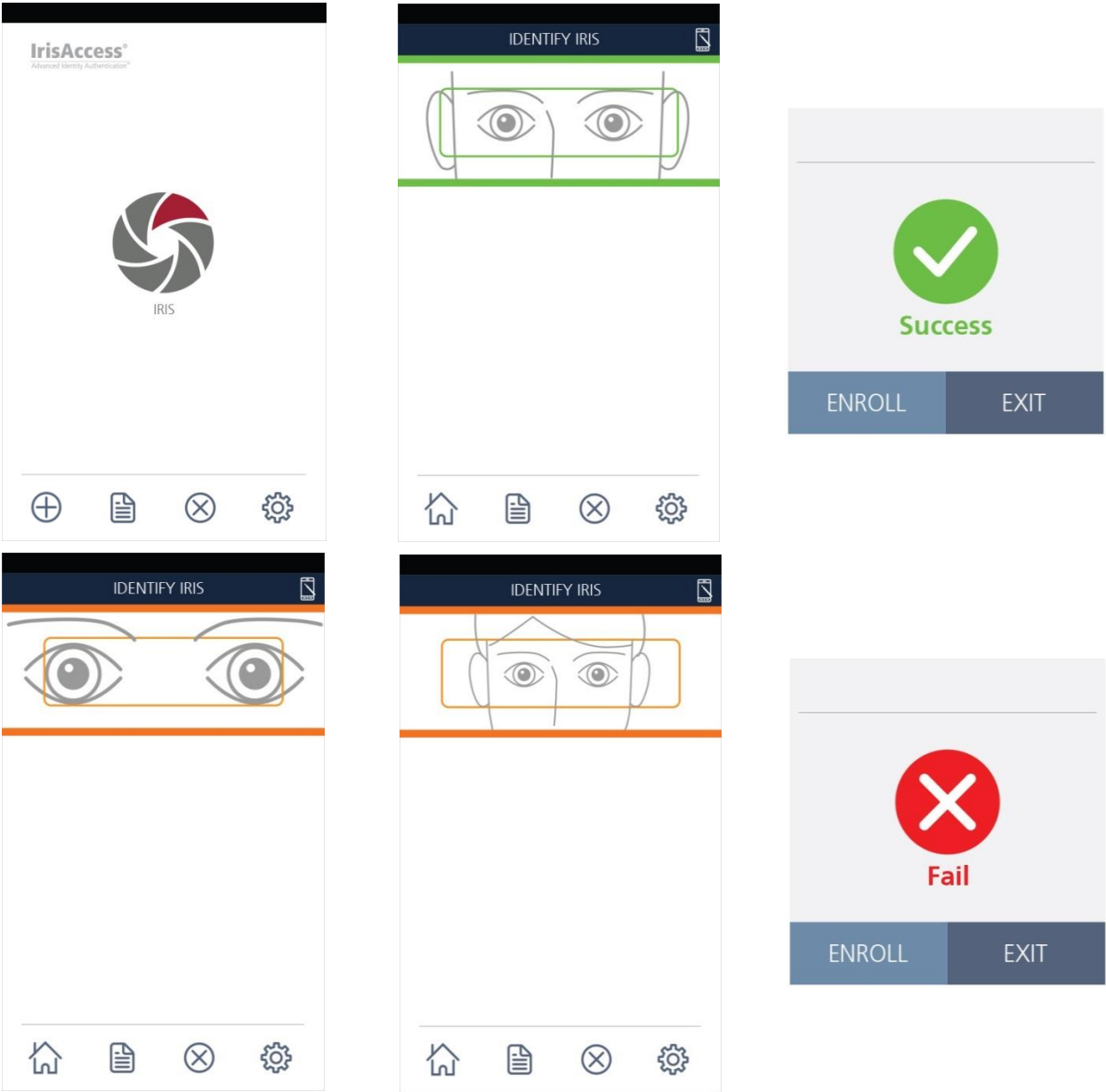
The iCAM M300 device houses a compact iris camera for personal identification.






## 2) Iris Scanner Specifications

Model	Iris M300
Sensor	5 Mega Pixel BW Sensor
Interface	MIPI
Illumination	750nm + 850nm
Operating Range	35cm ± 5cm

## 3) How to us Iris Camera

Touch  in the center of the screen. Center his eyes in the box, Move back and forth until the color of the box and lines changes green. The color of lines indicates the change in distance.



Menu		Function
	Iris Camera Home	Return to Iris Camera Home
	Enrollment	Start Enroll
	User List	Open User List
	Cancel	Cancel
	Setting	Open Setting Menu

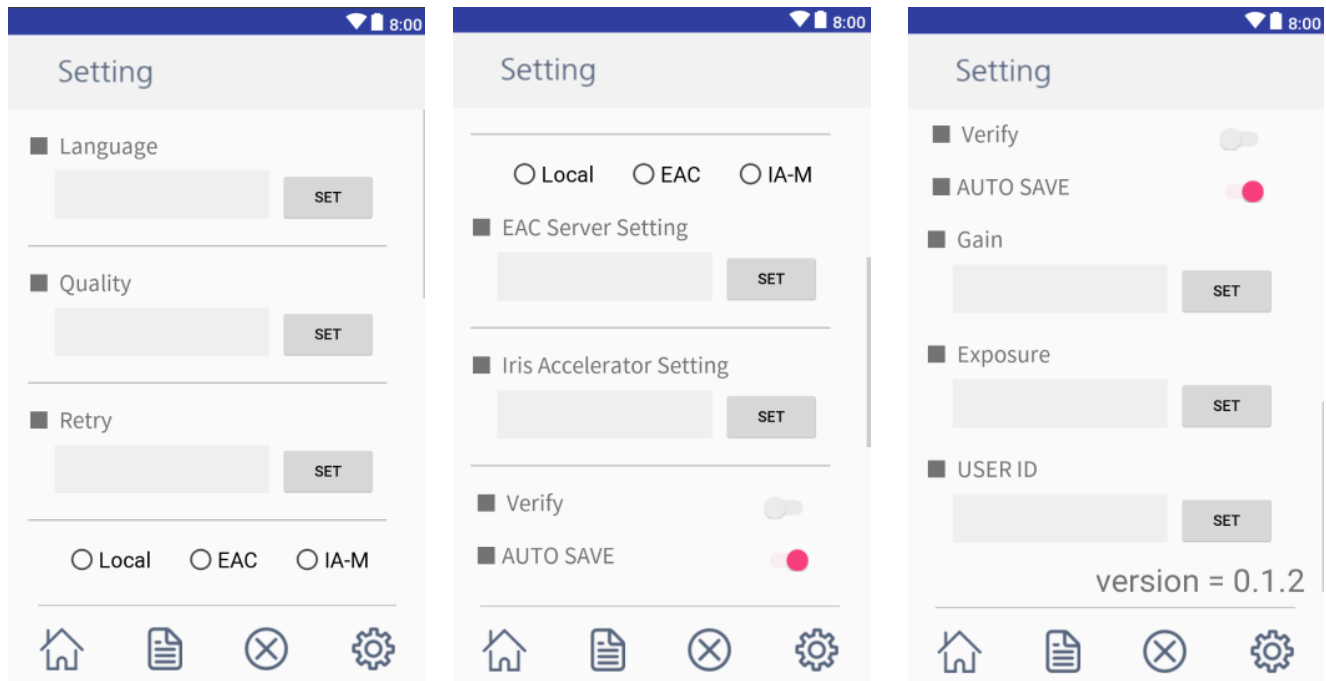
#### 4) How to Enroll

Path: Iris Camera Home -> Enrollment.

- A. Take an iris image.
- B. Take a face image.
- C. Save user information – user ID, etc.

If attach with M3-AM, you can use multimodal biometrics solutions that fingerprint, MRZ, MCR.

#### 5) Setting



List	Function
Language	Language
Quality	Iris Quality
Retry	Iris Capturing Count
EAC server setting	EAC IP Address
Iris Accelerator	IAM IP Address
Verify	Iris Verify On/Off
Auto Save	Iris Image Auto Save On/Off
Gain	Camera Gain Value
Exposure	Camera Exposure Value
User ID	Change User ID

# 7. Using the Camera

## 1) Overview

Device is equipped with 13.0 Megapixel auto focus cameras to provide easy integration of color picture and video capture into business application. The camera lens and camera flash are located on the back panel of the terminal.

Pictures and videos captured using the Camera app are stored on the internal memory in the DCIM folder under Camera (Internal storage/DCIM/Camera). You can copy your pictures and videos to a computer or view, edit, and share your pictures and videos using the Gallery app.

## 2) Opening the Camera app and adjusting the settings


To open the Camera app, touch camera on the Home screen.



A	Camera Options	Touch to select Camera, Video or Panorame mode.
B	Capture Button	Touch to take a photo, a panoramic photo or to recored a video.
C	Photo Settings	Touch to select camera settings.

### A. Taking a photo

- (1) Open the Camera app.
- (2) Verify single photo mode is selected.
- (3) Center the object you want to take a photo of on the live preview screen.
- (4) Touch capture icon to capture the photo.
- (5) Swipe left on the touch screen to view the captured photo. From the film strip screen you can
  - View the captured photo.

- Access options to share the photo.
  - Touch More  to access editing options, delete, view details, or set a photo as a contact photo or the Home screen wallpaper.
  - Swipe left or right to scroll through your other photos or videos.
- (6) Press the Back button to return to the Camera app.

#### B. Taking a panoramic photo

- (1) Open the Camera app.
- (2) Select panorama mode.
- (3) Point the camera lens at the beginning of the scene you want capture.
- (4) Touch capture icon to start capturing the photo.
- (5) Slowly sweep the camera lens across the scene using the screen preview as a guide.  
A progression bar appears at the bottom of the screen and the message, "Capturing Panorama" appears at the top. Once the photo has been captured, "Rendering Panorama" briefly appears on the screen.
- (6) Press the Back button to return to the Camera app.

#### C. Recording video

- (1) Open the Camera app.
- (2) Select video mode.
- (3) Point the camera lens at the scene or object you want to capture in video.
- (4) To start capturing video, touch center icon.
- (5) To stop capturing video, touch center icon.
- (6) Press the Back button to return to the Camera app.




#### D. adjusting the settings

The camera/video settings are adjustable from within the Camera app.

##### (1) Zoom

- To zoom in or out, press two fingers on the display and pinch or expand fingers. The zoom controls appear on the screen. (capacitive touch panel only)

##### (2) More Settings

- Touch  to access the additional settings options .
- Select each settings icon  to access different option menus (e.g., Location, Countdown Timer, Picture Size, White Balance, Scene Mode)

# 8. Using the NFC

## 1) Overview

To read cards, use Near field communication (NFC.)

\*\* A SAM card is required to use this feature.

For information about a SAM card, refer "2. Getting Started > Installing Cards".

\*\* NFC is only available for the models with NFC installed.

NFC can be installed to your device only through our service center. Contact your sales representative for more information

## 2) To read a card using NFC(Near Field Communication)

NFC/HF RFID is a short-range wireless connectivity technology standard that enables secure transaction between a reader and a contactless smartcard.

The technology is based on ISO/IEC 14443 type A and B (proximity) and ISO/IEC 15693 (vicinity) standards, using the HF 13.56MHz unlicensed band.

A. Using NFC, the iCAM M300 can

- (1) Read contactless cards such as contactless tickets, ID cards and ePassport.
- (2) Read and write information to contactless cards such as SmartPosters and tickets, as well as devices with NFC interface such as vending machines.
- (3) Read information from supported medical sensors.
- (4) Pair with supported Bluetooth devices such as printers and headsets.
- (5) Exchange data with another NFC device.
- (6) Emulate contactless card such as payment, ticket or SmartPoster.

B. The iCAM M300 support 3 operating mode

- (1) Reader mode
- (2) Peer-to-Peer communication
- (3) Card Emulation mode

C. Reading NFC cards

- (1) Launch an NFC enabled application.
- (2) Move iCAM M300 close the NFC card until the iCAM M300 detects the card.
- (3) Hold the card steadily until the transaction is complete (usually indicated by the application).

\*\* Make sure the NFC options is marked checked in the Settings menu.

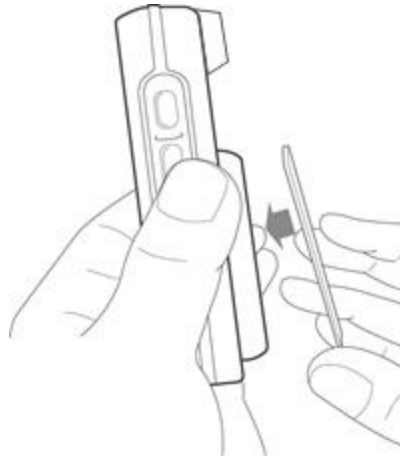
For information about a NFC, refer "9. Wireless > Near Field Communications".

\*\* NFC antenna is located in the rear side of battery case. (optional)



Since NFC antenna is integrated in the rear side of the battery, read the contactless card as shown.

**NFC reading distance depends on the Card type. (MAX 5cm)**



#### D. Sharing information using NFC

You can beam content like a web page, contact cards, pictures, YouTube links or location information from your screen to another device by bringing the devices together back to back.

- (1) Make sure both devices are unlocked, support NFC, and have both NFC and Android Beam turned on.
- (2) Open a screen that contains a web page, video, photo or contact.
- (3) Move the back of the device toward the back of the other device.
- (4) When the devices connect, you hear a sound, the image on the screen reduces in size, the message Touch to beam appears.
- (5) Touch anywhere on the screen. The transfer begins.

# 9. Wireless

This section provides information on the wireless features

- Wireless Wide Area Network (WWAN)
- Wireless Local Area Network (WLAN)
- Bluetooth

## 1) Wireless Wide Area Networks

Use Wireless wide area networks (WWANs) to access data over a cellular network.

### A. Sharing the mobile data connection

The tethering & portable hotspot settings allow you to share your data connection. You can share the iCAM M300 mobile data connection with a single computer via bluetooth tethering. You can also share the data connection with up to eight devices at one, by turning it into a portable W-Fi hotspot. While the iCAM M300 is sharing its data connection, an icon appears at the top of the screen and a corresponding message appears in the notification list.

#### (1) Bluetooth tethering

Use Bluetooth tethering to share the data connection with a host computer.

\*\* Configure the host computer to obtain its network connection using Bluetooth.

For more Information, see the host computer's documentation.

- Pair the iCAM M300 with the host computer.
- Path : Menu > Settings > More... > Tethering & portable hotspot.
- Check Bluetooth tethering

The host computer is sharing the device data connection.

\*\* To stop sharing the data connection, uncheck Bluetooth tethering.

#### (2) Portable Wi-Fi hotspot

- Path : Menu > Settings > More... > Tethering & portable hotspot.
- Check Portable Wi-Fi hotspot.

After a moment, the iCAM M300 starts broadcasting its Wi-Fi network name (SSID), so you can connect to it with up to eight computers or other device.

\*\* To stop sharing the data connection, uncheck Portable Wi-Fi hotspot.

- Configure the Wi-Fi Hotspot settings.

Path : Menu > Settings > More... > Tethering & portable hotspot.





- > In the Network SSID text field, edit the network name.
- > Touch the Security option and select a security method from the drop-down list.  
None, WPA PSK, WPA2 PSK
- > In the Password text field, enter a password  
\*\* If None is selected in the Security option, a password is not required.
- > Save

#### B. Disabling data when roaming

To prevent the device from transmitting data over other carriers' mobile networks when leaving an area that is covered by the carrier's networks. This is useful for controlling expenses if the service Plan does not include data roaming.

- (1) Path : Menu > Settings > More... > Mobile networks
- (2) Un-check Data roaming.

#### C. Limiting data connection to 2G networks

Extend the battery life by limiting the data connections to 2G networks(GPRS or EDGE).

When connected to a 2G network, the user may want to postpone activities that transmit a lot of data, such as sending, uploading, or downloading pictures or video, until they are connected to a faster mobile or other wireless network.

- (1) Path : Menu > Settings > More... > Mobile networks > Preferred network type
- (2) Touch 2G

#### D. Locking the SIM card

Locking the SIM card requires the user to enter a PIN every time the device is turned on.



If the correct PIN is not entered, only Emergency calls can be made.

- (1) Path : Menu > Settings > Security > Set up SIM card lock
- (2) Check Lock SIM card
- (3) Enter the PIN associated with the card. Touch OK
- (4) Reset the device

#### E. Editing the APN(Access Point Name)

To use the data on a network the user configure the APN information.

\*\* Generally when SIM Card is mounting in the device, APN configuration is set automatically.

- (1) Path : Menu > Settings > More... > Mobile Networks > Access Point Names
- (2) Touch 
- (3) Touch each APN settings and enter the appropriate data obtained from the wireless service provider.
- (4) Touch 
- (5) Touch Save
- (6) Touch the radio button next to the new APN name to start using it.

## 2) Wireless Local Area Networks

Wireless local area networks (WLANs) allow the iCAM M300 to communicate wirelessly inside a building. Before using the iCAM M300 on a WLAN, the facility must be set up with the required hardware to run the WLAN (sometimes known as infrastructure). The infrastructure and the iCAM M300 must both be properly configured to enable this communication.

Refer to documentation provided with the infrastructure (access points, access ports, switches, Radius servers, etc.) for instructions on how to set up the infrastructure.

Once the infrastructure is set up to enforce the chosen WLAN security scheme, use the Wireless & networks settings configure the iCAM M300 to match the security scheme.

The iCAM M300 supports the following WLAN security options

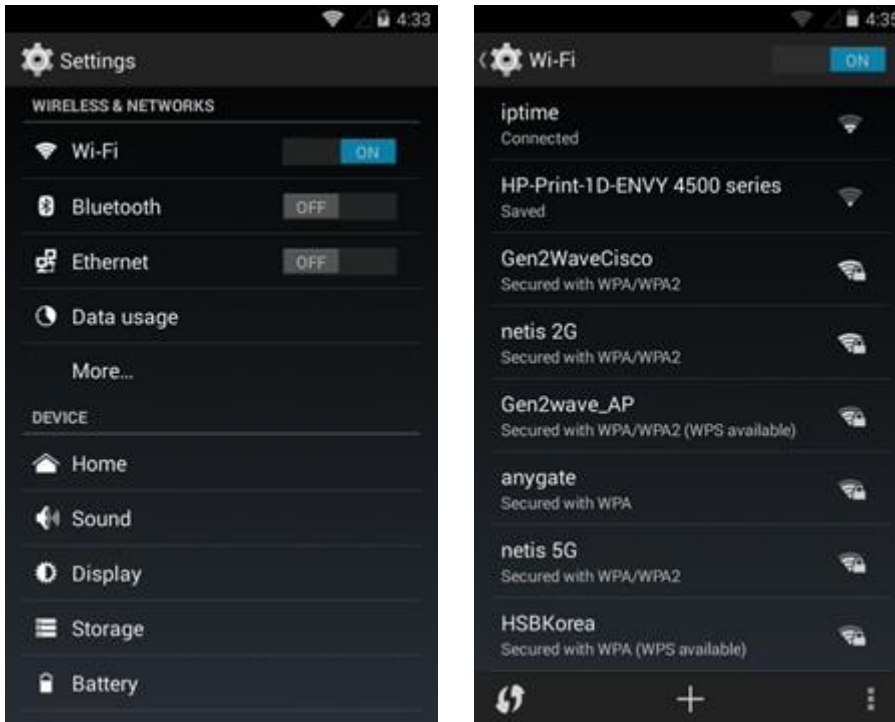
- Open
- Wireless Equivalent Privacy (WEP)
- Wi-Fi Protected Access (WPA) / WPA2 Personal (PSK)
- Extensible Authentication Protocol (EAP)

The status bar displays icons that indicate Wi-Fi network availability and Wi-Fi status.

\*\* Turn off Wi-Fi when not using it, to extend the life of the battery.

#### A. Scan and connect to a Wi-Fi network

- (1) Path : Menu > Settings
- (2) Slide the Wi-Fi switch to the ON position
- (3) Touch Wi-Fi. The iCAM M300 searches for WLANs in the area and lists them.



- (4) Scroll through the list and select the desired WLAN network.
- (5) For open networks, touch profile once or press and hold and then select connect to network or for secure networks enter the required password or other credentials then touch connect. See the system administrator for more information.  
The iCAM M300 obtains a network address and other required information from the network using the dynamic host configuration protocol (DHCP) protocol. To configure the iCAM M300 with a fixed internet protocol (IP) address.
- (6) In the Wi-Fi settings field, Connected appears indicating that the iCAM M300 is connected to the WLAN.

#### B. Configuring the Wi-Fi network

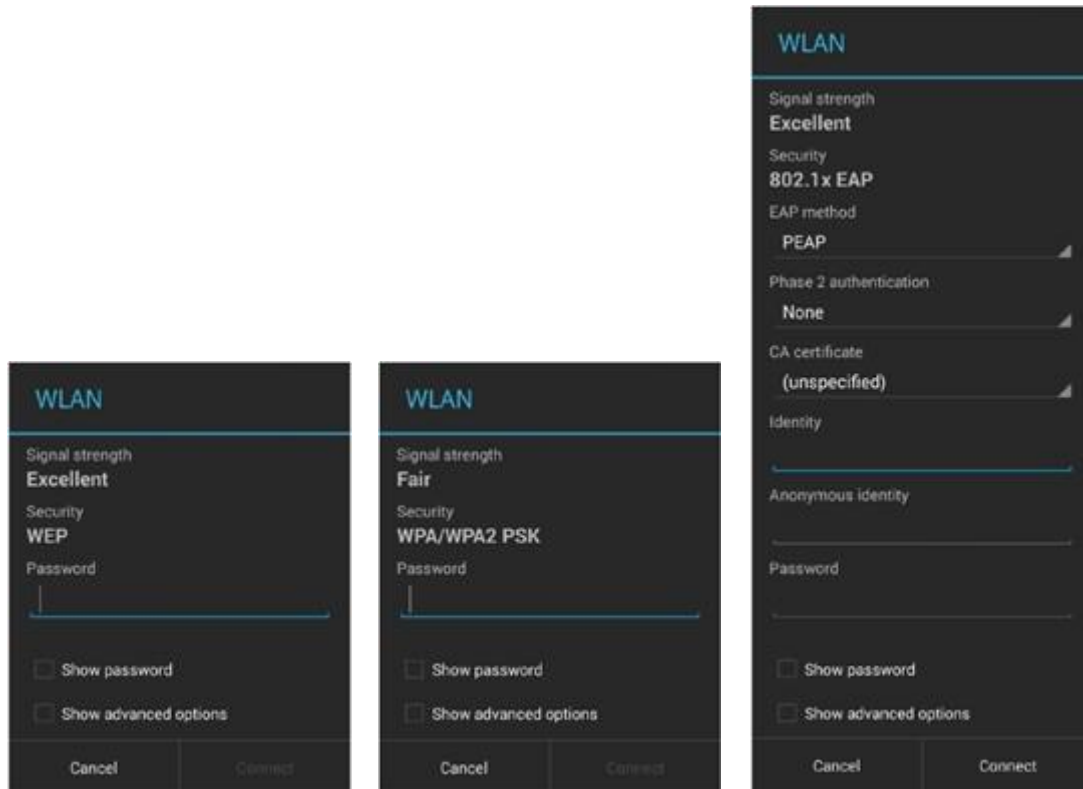
To set up a Wi-Fi network

- (1) Path : Menu > Settings > Wi-Fi
- (2) Slide the switch to the ON position.
- (3) The device searches for WLANs in the area and lists them on the screen.
- (4) Scroll through the list and select the desired WLAN network.
- (5) Touch the desired network. If the network security is Open. the device automatically connects to the network. For all other network security a dialog box appears.
- (6) If the network security is WEB or WPA/WPS2 PSK, enter the required password and then touch Connect.
- (7) If the network security is 802.1x EAP
  - Touch the Phase 2 authentication drop-down list and select an authentication method.

- If required, touch CA certificate and select a Certification Authority (CA) certificate. Certificates are installed using the Security settings.
- If required, touch User certificate and select a user certificate. User certificates are installed using the Location & security settings.
- If required, in the Identity text box, enter the username credentials.
- If desired, in the Anonymous identity text box, enter an anonymous identity username.
- If required, in the Password text box, enter the Password for then given identity.

(8) Touch Connect.

\*\* By default, the network Proxy is set to None and the IP settings is set to DHCP.



C. Manually adding a Wi-Fi network

Manually add a Wi-Fi network if the network does not broadcast its name(SSID) or to add a Wi-Fi network when out of range.

- (1) Path : Menu > Settings > Wi-Fi
- (2) Slide the Wi-Fi switch to the On position.
- (3) Touch + at bottom of the screen.
- (4) In the Network SSID text box, enter the name of the W-Fi network.
- (5) In the Security drop-down list, select the type of security.
  - Options : None, WEB, WPA/WPA2 PSK, 802.1x EAP
- (6) If the network security is None, touch Save.
- (7) If the network security is WEP or WPA/WPA2 PSK, enter the required password and then touch Save.
- (8) If the network security is 802.1x EAP
  - Touch the Phase 2 authentication drop-down list and select an authentication method.
  - If required, touch CA certificate and select a Certification Authority (CA) certificate. Certificates are installed using the Security settings.
  - If required, touch User certificate and select a user certificate. User certificates are installed using the Location & security settings.
  - If required, in the Identity text box, enter the username credentials.
  - If desired, in the Anonymous identity text box, enter an anonymous identity username.
  - If required, in the Password text box, enter the Password for then given identity.
- (9) Touch Connect.

\*\* By default, the network Proxy is set to None and the IP settings is set to DHCP.

#### D. Configuring for a proxy server

A proxy server is a server that acts as an intermediary for requests from clients seeking resources from other servers. A client connects to the proxy server, requesting some service, such as a file, connection, web page, or other resource, available from a different server. The proxy server evaluates the request according to its filtering rules. For example, it may filter traffic by IP address or protocol. If the request is validated by the filter, the proxy provides the resource by connecting to the relevant server and requesting the service on behalf of the client. It is important for enterprise customers to be able to set up secure computing environments within their companies, and proxy configuration is an essential part of doing that. Proxy configuration acts as a security barrier ensuring that the proxy server monitors all traffic between the Internet and the intranet. This is normally an integral part of security enforcement in corporate firewalls within intranets.

- (1) In the network dialog box, touch a network.
- (2) Touch Show advanced options checkbox.
- (3) Touch Proxy settings and select Manual.
- (4) In the Proxy hostname text box, enter the address of the proxy server.
- (5) In the Proxy port text box, enter the port number for the proxy server.
  - \*\* When entering proxy addresses the Bypass proxy for field, do not use spaces or carriage returns between addresses.
- (6) In the Bypass proxy for text box, enter addresses for web sites that do not require to go through the proxy server. Use the separator "|" between addresses.
- (7) Touch Connect.

#### E. Configuring the device to use a static IP address


By default, the device is configured to use Dynamic Host Configuration Protocol (DHCP) to assign an Internet protocol (IP) address when connecting to a wireless network. To configure the device to connect to a network using a static IP address

- (1) In the network dialog box, touch a network.
- (2) Touch Show advanced options checkbox.
- (3) Touch IP settings and select Static.
- (4) In the IP address text box, enter an IP address for the device.
- (5) If required, in the Gateway text box, enter a gateway address for the device.
- (6) If required, in the Network prefix length text box, enter a the prefix length.
- (7) If required, in the DNS 1 text box, enter a Domain Name System (DNS) address.
- (8) If required, in the DNS 2 text box, enter a DNS address.
- (9) Touch Connect.

#### F. Advanced Wi-Fi settings

Advanced Wi-Fi settings are for the device not for a specific wireless network.

Use the Advanced settings to configure additional Wi-Fi settings. From the Wi-Fi screen,

touch  > Advanced to view the advanced settings.

- (1) Network notification
  - When enabled, notifies the user when an open network is available.
- (2) Keep Wi-Fi on during sleep
  - Opens a menu to set whether and when the Wi-Fi radio turns off.
  - Always ON : The radio stays on when the device enters suspend mode.
  - Only when plugged in : The radio stays on while the device is connected to external power.
  - Never (increases data usage) : The radio turns off when the device enters suspend mode
- (3) Avoid poor connections
  - Don't use a Wi-Fi network unless it has a good Internet connection.
- (4) Wi-Fi frequency band

- Use to select the frequency band.
- Options : Auto(Default), 5 GHz only or 2.4 GHz only.
- (5) Wi-Fi region code
  - Displays the current region code.
- (6) Install Certificates
  - Touch to install certificates.
- (7) Wi-Fi optimization
  - Touch to minimize battery usage when Wi-Fi is on

#### G. Remove a Wi-Fi Network

To remove a remembered or connected network

- (1) Path : Menu > Settings > Wi-Fi
- (2) In the Wi-Fi networks list, touch and hold the name of the network.
- (3) In the menu, touch Forget network.

### 3) Bluetooth

Bluetooth-equipped devices can communicate without wires, using frequency-hopping spread spectrum (FHSS) radio frequency (RF) to transmit and receive data in the 2.4 GHz Industry Scientific and Medical (ISM) band (802.15.1). Bluetooth wireless technology is specifically designed for short-range (10 meters (32.8 feet) ) communication and low power consumption.

Devices with Bluetooth capabilities can exchange information (e.g., files, appointments, and tasks) with other Bluetooth enabled devices such as printers, access points, and other mobile devices.

#### A. Bluetooth profiles

The device supports the following Bluetooth services:

- (1) Service Discovery Protocol (SDP)
  - Handles the search for known and specific services as well as general services.
- (2) Serial Port Profile (SPP)
  - Allows use of RFCOMM protocol to emulate serial cable connection between two Bluetooth peer devices. For example, connecting the device to a printer.
- (3) Object Push Profile (OPP)
  - Allows the device to push and pull objects to and from a push server.
- (4) Advanced Audio Distribution Profile (A2DP)
  - Allows the device to stream stereo-quality audio to a wireless headset or wireless stereo speakers.
- (5) Audio/Video Remote Control Profile (AVRCP)
  - Allows the device to control A/V equipment to which a user has access. It may be used in concert with A2DP.
- (6) Personal Area Network (PAN)
  - Allows the use of Bluetooth Network Encapsulation Protocol to provide L3 networking capabilities over a Bluetooth link. Only PANU role is supported.
- (7) Human Interface Device Profile (HID)
  - Allows Bluetooth keyboards, pointing devices, gaming devices and remote monitoring devices to connect to the device.
- (8) Headset Profile (HSP)
  - Allows a hands-free device, such as a Bluetooth headset, to place and receive calls on the device.
- (9) Hands-Free Profile (HFP)
  - Allows car hands-free kits to communicate with the device in the car.
- (10) Dial-up Networking (DUN)
  - Allows the device to access the Internet and other dial-up services using a Bluetooth enabled mobile phone.
- (11) Out of Band (OOB)
  - Allows exchange of information used in the pairing process. Pairing is completed using the Bluetooth radio, but requires information from the OOB mechanism. Using OOB with NFC enables pairing when devices simply get close, rather than requiring a lengthy discovery process.

## B. Bluetooth radio power

Turn off the Bluetooth radio to save power or if entering an area with radio restrictions.

When the radio is off, other Bluetooth devices cannot see or connect to the device. Turn on the Bluetooth radio to exchange information with other Bluetooth devices (within range). Communicate only with Bluetooth radios in close proximity.

**\*\* To achieve the best battery life turn off radios when not in use.**

## C. Turning the Bluetooth radio On or Off

(1) Path : Menu > Settings

(2) Touch the Bluetooth OFF/ON toggle box off to turn the radio on.

Once the Bluetooth radio is activated, the terminal automatically starts searching for discoverable devices.

## D. Pairing and trusted devices

The terminal supports pairing with other devices using Bluetooth technology. Pairing happens during general connection setup. Paired devices are "trusted" device. This means that there is unrestricted access to all services (including services that require authorization and authentication).

## E. Connecting to other bluetooth devices

To connect to other bluetooth devices, you need to perform a device search, select a discovered device, and then connect to the selected device. Pairing happens as part of the connection process.

(1) Make sure the bluetooth devices you are attempting to connect to is in range and set to be discoverable by other devices using Bluetooth technology.

(2) Menu > Settings > Verify the Bluetooth radio is activated ON.

(3) Touch Bluetooth

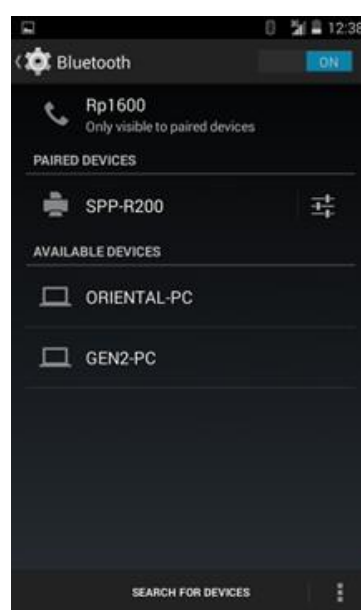
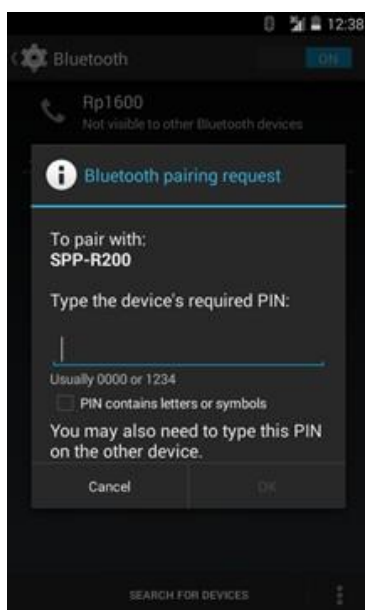
(4) Touch Search for Device to refresh the scan started when the bluetooth radio was first activated.

(5) Touch on the name of the device you want to connect to on Available Devices list.

(6) The bluetooth radio attempts to connect with the device. If the device has a specific passcode. enter it when prompted.

**\*\* When attempting to connect to a printer or headset with bluetooth capabilities, the passcode may default to either 1234 or 0000. If there is no default, consult the device literature for the number.**

(7) When the devices are paired successfully, the device name is displayed under the "Paired Devices" heading on the bluetooth settings screen.



#### F. Configuring or unpairing bluetooth devices

- (1) Menu > Settings > Verify the Bluetooth radio is activated ON.
- (2) Touch Bluetooth
- (3) On the Paired Devices list touch the settings  next to name of the device you want to disconnect.
- (4) Touch Rename, Unpair or Select a different profile from the Profiles list available for the paired device.

#### G. Making the device discoverable

By default, the device is not discoverable, which means that the terminal will not be found by other bluetooth devices.

- (1) Menu > Settings > Verify the Bluetooth radio is activated ON.
- (2) Touch Bluetooth
- (3) Touch device name at the top of the screen to make the device discoverable. The terminal starts a 2 minute count down during which time the device is temporarily discoverable by other devices using bluetooth technology.

#### H. Bluetooth menu options

You can access additional configuration options from the Bluetooth screen by pressing the Menu

Button .


- (1) Rename phone
  - Change the default device name to a custom name of your choice. Enter the new name and then select Rename.
- (2) Visibility timeout
  - Change the default 2 minute visibility timeout increment. Select 5 minutes, 1hour or Never time out.
- (3) Show received files
  - Lists statistics on received files.

# 10. Settings

## 1) Ethernet

By default, the iCAM M300 is configured to obtain IP addresses automatically via DHCP server. This means that in most cases you would simply plug-and-play the unit.

### A. Connecting the device to the ethernet accessories

- (1) Plug the ethernet accessories(ethernet cradle, 4 slot ethernet cradle, ethernet multigender) into the RJ45 connector on the back of the ethernet accessories.
- (2) Plug the ethernet cable into the network.
- (3) Slide the Ethernet switch to the ON position
- (4) Insert the device into the terminal well.
- (5) Check the box to Turn on Ethernet. When an Ethernet connection is established the status icon  at the top of the screen

### B. Ethernet menu options

Menu > Settings > Touch Ethernet > Touch +

#### (1) Static IP

- Select Static IP under Connection Type, and then input the IP address and any additional information based on you network configuration.

#### (2) Proxy Settings

- Input the Proxy host name and Proxy port. If required, designate when to bypass the proxy.

Menu > Settings > Touch Ethernet > Touch 

#### (3) Advanced Ethernet

- Stay Awake : Keep the device awake while Ethernet is connect
- Ethernet MAC address
- Ethernet IP address

## 2) Security

Use this Security settings to set a lock screen and change settings to secure your device.

Menu > Settings > Security

### A. Screen security

#### (1) Screen lock

- None : The screen is unlocked at all times. When you press the Power button, the Home screen appears.
- Slide : Drag the lock icon and release to unlock.
- Pattern : Draw a pattern to unlock.
- PIN : Enter a PIN to unlock.
- Password : Enter a password to unlock.

#### (2) Screen lock option : When you set the pattern, PIN, or password lock screen, the following options appear.

- Make pattern visible : Tap and select the checkmark to make the pattern visible when they are drawn.
- Automatically lock : Tap to select the length of time the device waits before turning off the screen and locking itself
- Power button instantly locks: Tap and select the checkmark to set to enable the Power button to lock the device instantly

#### (3) Owner info

- Show owner info on lock screen: Tap and select the checkmark to display the owner information on the lock screen. Then tap and type text to display. If you do not select the checkmark, the input field will be deactivated.



## B. Encryption

Encrypt phone : Tap to encrypt your accounts, settings, downloaded apps and their data, and other files. Set a numeric PIN or passwords for encryption. You must enter the password each time you turn on the device.

\*\* You can only decrypt the device by performing factory reset.

\*\* Encrypting your device may take more an hour. Charge your battery before encrypting, and keep your phone plugged in until encryption is complete. If not, you may lose some or all of your data.

## C. Passwords

Make password visible : By default, the device hides passwords for security when you enter them. Tap and select the checkmark to make the passwords visible as they are entered.

## D. Device administration

(1) Device administrators : Tap to view or deactivate device administrators.

(2) Unknown sources : Tap and select the checkmark to allow your device to install or download applications from unknown sources.

(3) Verify apps : Tap and select the checkmark to disallow or warn before installing applications that may cause harm.

## E. Credential storage

(1) Trusted credentials : Tap to view and disable or enable the trusted system CA certificates.

(2) Install from SD card : Tap to install certificates from the SD card.

(3) Clear credentials: Tap to remove all certificates.

# 11. Accessories

## 1) Host Cable

### A. M3-CBL (Adaptor Cable for USB Host)

#### (1) Scope

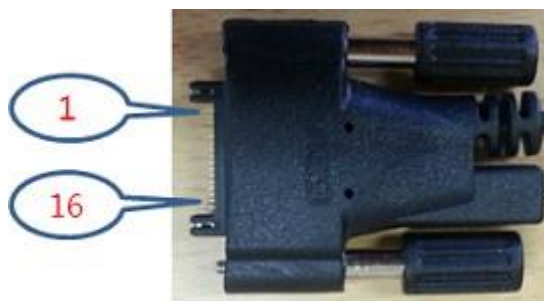
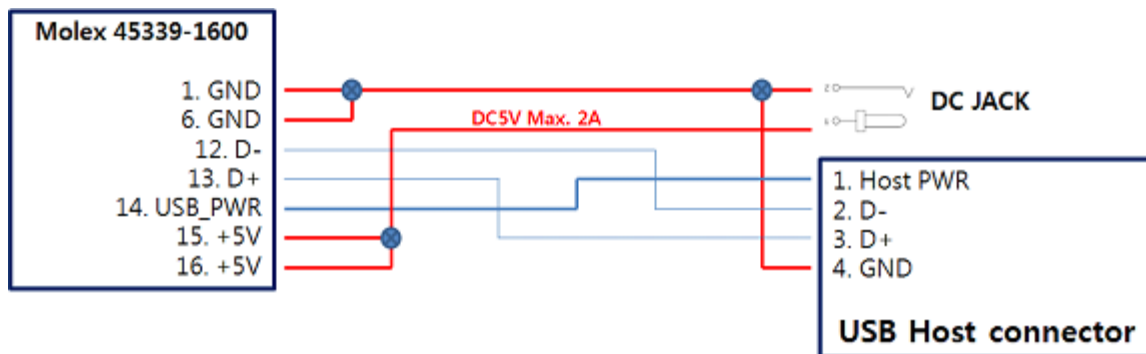
This Adaptor cable for USB host is compatible with iCAM M300.  
Iris ID supplies.

#### (2) Mechanical Characteristics

- Cable length : 240mm
- Weight : less than 30g



#### (3) Block Diagram



Molex 45339-1600



USB Host connector

## European Union CE mark and compliance statement

This product is CE marked according to the provisions of the RED Directive (2014/35/EU).

Hereby, Iris ID, Inc. declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

## FCC (Federal Communications Commission) mark and statement



This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment 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.

Changes or modifications not covered in this Guide must be approved in writing by the manufacturer's Regulatory Engineering Department. Changes or modifications made without written approval may void the user's authority to operate this equipment.

For further information, please contact <http://www.irisid.com>

**Address : 512, Daerung Post Tower 1st Suite, 288, Digital-ro, Guro-gu, Seoul, 08390, Rep of Korea**

**Tel : +82-2-3289-5337**

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**Email : [steven@irisid.com](mailto:steven@irisid.com)**

## **Operating frequency and power**

BT : 2402 ~ 2480 MHz ( 3.74 dBm )

WLAN : 2412 ~ 2472 MHz ( 9.84 dBm )

5180 ~ 5250 MHz ( -22.06 dBm )

5725 ~ 5845 MHz ( -24.77 dBm )

13.56 MHz ( -17.68 dBuA/m )

GSM/DCS/

880 ~ 915 MHz , 1710 ~ 1785 MHz ( 33 dBm , 30 dBm )

WCDMA

1920 ~ 1980 MHz ( 24 dBm )

LTE

1920 ~ 1980 MHz , 1710 ~ 1785 MHz

2500 ~ 2570 MHz , 832 ~ 862 MHz

( 23 dBm )

Receiver category is 3.