

α811

RFID Handheld Reader
User Guide
Ver. 1.0



Copyright

Copyright 2017. Apulsetech Co.,Ltd. All rights reserved.

Change	Date	Description
--------	------	-------------

Apulsetech is the manufacturer of Apulsetech RFID handheld computers.

This document and related software in this device are protected by international copyright laws.

Any part of this document may not be reproduced, removed or used in any form by any means, without permission in writing from Apulsetech.

The contents in this manual is subject to change without prior notice.

Apulsetech and α811 are registered trademarks of Apulsetech Co.,Ltd., all other trademarks and copyrights are property of their respective owners.

The software is provided for user understanding how to use the device and application development. All software, including firmware, is on a licensed basis.

No right to copy a licensed program in whole or in part is granted, to other device except as permitted under copyright law.

Apulsetech Co., Ltd.

C-1211, 60, Haan-ro,
Gwangmyeong-si,
Gyeonggi-do,
Republic of Korea

<http://www.apulsetech.com>

Ver.1.0		

Table of Contents

Copyright

Revision History

1 About this guide	7
1.1 Introduction	7
1.2 Configuration	7
1.3 Related Document and Software	7
1.4 Service Information	7
1.5 Safety Information	7
2 Brief Description of α811	8
2.1 Packing Contents	오류! 책갈피가 정의되어 있지 않습니다.
2.2 α811 Overview	오류! 책갈피가 정의되어 있지 않습니다.
2.3 α811 Accessories	12
2.4 Button functions	16
2.5 α811 Use and Preparation	13
2.6 α811 Home Screen	13
2.6.1 Status Bar	16
2.6.2 Status Icons	16
2.6.3 Notification Icons	16
3 Getting Started.....	16
3.1 Setup.....	16
3.1.1 Installing and Replacing a MicroSD card	16
3.1.2 Installing and Replacing a MicroSIM card	16
3.1.3 Installing and Replacing the Battery.....	16
3.1.4 Boot and Shut down	16
3.1.5 Charging the Battery	16
3.1.6 Charging Indicators	16
3.1.7 Battery Management.....	16
3.2 General Settings.....	16
3.2.1 Setting the date and time	16
3.2.2 Display setting	16
3.2.3 Sound setting.....	16
3.2.4 Using Keybord	16

3.2.5 Firmwrae Upgrade	16
3.3 Connectivity.....	16
3.3.1 Wi-Fi	16
3.3.2 Bluetooth	16
4 Applications	25
4.1 Installing & Uninstalling Apps.....	25
4.2 Demo Apps	26
4.2.1 UHF RFID Demo	16
4.2.2 Barcode Emulator	16
4.2.3 GPS Test Plus.....	16
4.2.4 NFC Uтил.....	16
4.2.5 Self-Diagnosis	16
4.3 Default Apps	26
4.3.1 Browser.....	16
4.3.2 Calculator	16
4.3.3 Calendar	16
4.3.4 Camera.....	16
4.3.5 Clock	16
4.3.6 Contacts	16
4.3.7 Downloads.....	16
4.3.8 Email	16
4.3.9 ES File Explor	16
4.3.10 Gallery	16
4.3.11 ES File Explore	16
4.3.12 Music	16
4.3.13 Phone	16
4.3.14 Settings	16
4.3.15 Sound Recorder	16
4.3.16 VideoPlayer	16
5 Wireless	26
5.1 Local Area Networks.....	26
5.2 Bluetooth	26
5.3 3G	26
5.4 Near Field Communications	26

6 Accessories	27
6.1 Docking Cradle	27
6.2 Leather Case	28
7 Settings	31
7.1 Wi-Fi	31
7.2 Bluetooth	31
7.3 Data usage	31
7.4 More Settings	31
7.5 Display	31
7.6 Sound & notification	31
7.7 Apps	31
7.8 Storage & USB	31
7.9 Battery	31
7.10 Memory	31
7.11 Users	31
7.12 Location	31
7.13 Security	31
7.14 Accounts	31
7.15 Language & input	31
7.16 Backup & reset	31
7.17 Date & time	31
7.18 Accessibility	31
7.19 Pining	31
7.20 Developer options	31
7.21 About phone	31
8 Troubleshooting	32
Appendix 1 Specifications	34

1 About this guide

1.1 Introduction

The α811 (RFID Smart Reader) provides highest quality RFID reading performance with default or optional features, WiFi, Bluetooth, 2D scanner, 3G, Camera, NFC. With Android OS, users are able to experience efficient working performance.

This guide is designed for helping users to operate α811 effectively. Please read the guide carefully before using α811.

1.2 Configuration

- This guide provides information of the following configurations

Model				
α811				

1.3 Related document and Software

- α811 Quick Guide
- α811 SDK Manual
- α811 Firmware update manual
- α811 Demo application manual
- α811 UHF Demo app
- α811 Barcode Demo app

1.4 Service information

If you have problem with the device, visit our web site to analyze the problem or contact our partner in region or HQ.

Contact information is available at our website <http://www.apulsetech.com>

When requesting support, please have following information;

- Serial number of the device (On manufacturing label)
- Firmware version

1.5 Safety information

Before you use the α811, please read this section of information and keep your child aware of this information. For detailed information, please refer to the safety guidelines.

- Do not use α811 during driving for safety.
- In medical sites, please follow the relevant regulations by turning off your α811 when you are in medical

sites.

- Please turn off your α811 or turn on planes mode when you are boarding, to avoid wireless signals jamming aircraft control signal.
- Please turn off your α811 near the use of high precision electronic equipment, otherwise it may lead to electronic equipment disability.
- Do not take apart your α811 or accessories without authorizing. Only authorized institutions can repair this α811.
- Please keep α811 away from magnetic equipment. The radiation of α811 will erase the information of the magnetic storage device.
- Please don't use α811 under high temperature or in flammable areas (example: gas station).
- Please keep your α811 and accessories away from children without supervising.
- Please obey the relevant laws and regulations when you use your α811, and respect others lawful rights and privacy.
- Please obey the relevant specification of this manual when you use USB cable. Otherwise it may damage your α811 or personal computer.
- Modifying the device's operating system or installing software from unknown sources may cause device malfunction or data loss. Improper or unauthorized use of the device is a violation of the Bluebird license agreement and void your one-year limited warranty.

Symbols

This guide uses the following symbols to indicate hazards and additional information.

Symbol	Name	Description
	Warning	Implies information that could result in serious injury to yourself or others.
	Caution	Implies information that may result in minor or serious product damage.
	Note	Implies information that can help you get more important than surrounding text, such as exceptions or additional information.

2 Brief Description of α811

2.1 Packing Contents

Your α811 packing box includes the following items

- α811 Device

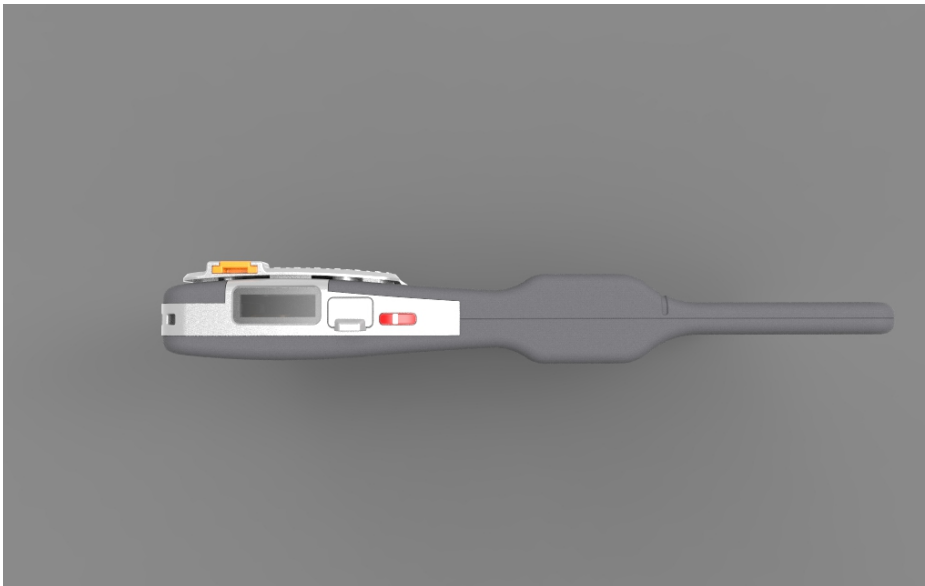
- Quick guide
- Battery
- Hand strip
- Protective film



The illustrations may differ from your actual items.
To purchase additional accessories, contact your sales representative.
You can download your User Manual from www.apulsetech.com.

2.2 α811 Overview

2.2.1 Top



No.	Item	Description
1	2D Imager	Scans barcodes by emitting a red laser when you press the related button.
2	Speaker	
3	Power button	Turns the device or screen on or off. You can lock the device by turning off the screen.
4	Earphone Jack	

2.2.2 Front



No.	Item	Description
1	Touch screen	Displays apps and acts as a multi-touch interface.
2	Menu Button	Displays more option menus. If you tap and hold this button for a few seconds, the apps you previously opened will be listed. Tap any app to open it.
3	Receiver	Allows user to hear the person they are talking to while on the phone.
4	Back Button	Returns to the previous page or menu.
5	Home Button	Returns to the Home screen.
6	Battery indicator	Indicates the status of the battery. The charging LED turns red when the battery is charging and turns green when the battery is fully charged.
7	UHF RFID Reader	
8	NFC Button	
9	Back Button	

2.2.3 Back



No.	Item	Description
1	Camera	Takes photos and record videos (8Megapixel).
2	SIM Slot	
3	Micro SD Card Slot	
4	Hand Strap holder	To attach hand strap for easy handle the device
5	Scan button	
	Flash	Illuminates your surroundings when using the camera and related apps.

2.2.4 Bottom



No.	Item	Description
1	Charging contacts	Allows the device to be charged.
2	USB connect	Allows the device to be connected to PC or other device.
3		

2.3 α811 Accessories

α811 provides optional items as below.

● Docking Cradle

Cradle Image front / Back

No.	Item	Description
1		
2		
3		
4		
5		

6		
---	--	--

● Leather Case

Leather case Image front / Back

2.4 Button Functions

Key functions illustration:

Power key	● Long press this button for booting ● In booting condition, long press this button pop-up shutdown options. ● In booting condition, press this button to turn off the screen
Home key	● Press this button to return to the function interface from arbitrary interface.
Reset button	● When the device is crash, use the small objects to short press RESET button, device will force to shut down. ● Suggest don't use the RESET button unless device unable to shut down normally. Otherwise, it will easy to damage the device system.

2.5 α811 Use and Preparation

2.6 α811 Home Screen



α811 operation mode

There are several ways you can browse screen, menu and application, etc on the α811.

Click

When you want to use the screen keyboard for input, you can choose applications on the homepage as long as you click a project with finger.

Press

If you want to open an available option (such as the text box or web link) or move shortcut and main program menu on the homepage as long as you press the items.

Fast sliding or sliding

Fast sliding or sliding said in his fingers making rapid vertical or horizontal drag action.

Drag

Before you start to drag, you must use your finger to press strongly on it for a short time. When dragging it to the position you want, you can loosen your finger.

Rotating

For most pictures, you can only turn to α811 then screen will translate from lateral direction to straight. Such as in the input text, watch movies, etc.

2.6.1 Status Bar

2.6.2 Status Icons

	New instant messaging		No SD card
	New email		Uploading/downloading
	Matters to be handled		Download is completed
	Use USB line to connect computer with α811		General notice (such as: synchronization error)
	Music playing		Flight mode
	Data synchronization		Charging
	Insufficient SD card space		More
	WIFI service already connected network unavailable		Battery charging sign

2.6.3 Notification Icons

Please click column frame and slide to right on the screen to unlock notice icon. Click the requisite view options and check the detailed information. Later you can click the information box and slide to shut up the

information windows. The icon illustration for status bar is as follows:

Notification icons in the status bar alert you to notifications, such as upcoming events, messaging, emails, missed calls, data usage, and much more.

Icon	Description
	Indicates that Airplane mode is active—you cannot make any calls, and other wireless functions are disabled.
	
	
	
	Indicates that the battery is charging.
	Indicates that the battery is fully charged.
	
	Indicates that Bluetooth is on.
	
	Uploading/downloading
	?
	Indicates that flashlight is off
	Indicates that flashlight is on
	Indicates that GPS is in off
	Indicates that GPS is in on.
	More
	Indicates that music is playing
	Indicates that alarm is on
	Indicates that Screen record is off
	Indicates that Screen record is on
	Indicates that Screen shot
	Indicates that a picture is taken.
	
	Indicates that USB connection is on
	Indicates that your device is connected to a Wi-Fi network.

	Indicates that there is no Wi-Fi signal.
	No SD card
	Use USB line to connect computer with α811

Notice panel

Notice icon implies new messages, the settled alarm clock, schedule, and SD card inserting etc. You can open the information panel to check specific information by slide down the panel.

Open notice panel

When new notice icons appear in notice bar, please hold notice bar and slide down to open notice panel.



Other than the icons described in the table above, there are various other notifications and status icons that are displayed on the status bar depending on the situation.

When the icons on the status bar are hidden, tap the status bar on the screen to display icons temporarily. The appearance of icons may vary depending on your region or network service provider.

3 Getting Started

3.1 Setup

3.1.1 Installing Replacing a MicroSD card

3.1.2 Installing and Replacing a MicroSIM card

3.1.3 Installing and Replacing the Battery

3.1.4 Boot and Shut down

Boot

After long pressing for 2 seconds on the power button, you can see the boot logo.

The system access into screen locking status after opening, please press the Power On/Off button to refresh, and slide up the unlock icon on the screen.

Power off

1. Long press the **power On/Off** button, then "Power off" options pop up.
2. There is silent mode in device options, **Power off** and **Cancel**.
3. Click **Power off**.

Reset

Press the reset button to reset the device. It will clear the all data, please be careful with the function. (**Note:** you can't restart your device after the current reset function, your device can only be turned off. You need to press the power button to restart the device after reset.)

3.1.5 Charging the Battery

3.1.6 Charging Indicators

3.1.7 Battery Management

3.2 General Settings

3.2.1 Setting the date and time

3.2.2 Display setting

3.2.3 Sound setting

3.2.4 Using Keyboard

3.2.5 Firmware Upgrade

3.3 Connectivity

3.3.1 Wi-Fi

3.3.2 Bluetooth

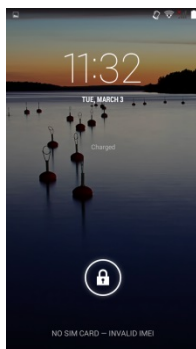
It will be closed during the screen idling.

- ◆ After idling period of time, screen will be automatically closed to save the battery.
- ◆ When the screen is on, you can press the power button to shut down the screen immediately.

Tip: if you need to find out how to set the **screen timeout** please refer to chapter 3.8.1.

Opening in screen closed condition.

When the screen is off, you can long press **Power On/Off** button to activate it. Enter locked condition after opening it, press "lock" icon and slide up for unlocking.



4 Applications

4.1 Installing & Uninstalling Apps

You can purchase and download apps.
On the Apps screen, tap Store.

α811 operation mode

There are several ways you can browse screen, menu and application, etc on the α811.

Click

When you want to use the screen keyboard for input, you can choose applications on the homepage as long as you click a project with finger.

Press

If you want to open an available option (such as the text box or web link) or move shortcut and main program menu on the homepage as long as you press the items.

Fast sliding or sliding

Fast sliding or sliding said in his fingers making rapid vertical or horizontal drag action.

Drag

Before you start to drag, you must use your finger to press strongly on it for a short time. When dragging it to the position you want, you can loosen your finger.

Rotating

For most pictures, you can only turn to $\alpha 811$ then screen will translate from lateral direction to straight. Such as in the input text, watch movies, etc.

4.2 Demo Apps

4.2.1 Setting the date and time

4.2.2 Display setting

4.2.3 Sound setting

4.2.4 Using Keyboard

4.2.5 Firmware Upgrade

4.3 Default Apps

4.2.1 Setting the date and time

4.2.2 Display setting

4.2.3 Sound setting

4.2.4 Using Keyboard

4.2.5 Firmware Upgrade

4.4 Other Apps

4.2.1 Setting the date and time

4.2.2 Display setting

4.2.3 Sound setting

4.2.4 Using Keyboard

4.2.5 Firmware Upgrade

5 Wireless

5.1 Local Area Networks

5.2 Bluetooth

5.3 LTE

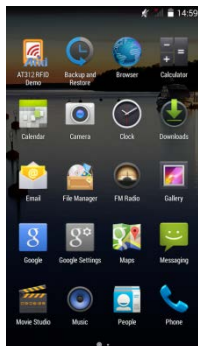
5.4 Near Field Communications

6 Accessories

6.1 Docking Cradle

6.2 Leather Case

The main menu screen shows all the applications. You can use the application, set shortcuts and customize your homepage interface wallpaper, etc.



7 Settings

- 7.1 Wi-Fi
- 7.2 Bluetooth
- 7.3 Data usage
- 7.4 More Settings
- 7.5 Display
- 7.6 Sound & notification
- 7.7 Apps
- 7.8 Storage & USB
- 7.9 Battery
- 7.10 Memory
- 7.11 Users
- 7.12 Location
- 7.13 Security
- 7.14 Accounts
- 7.15 Language & input
- 7.16 Backup & reset
- 7.17 Date & time
- 7.18 Accessibility
- 7.19 Pinting
- 7.20 Developer options
- 7.21 About phone

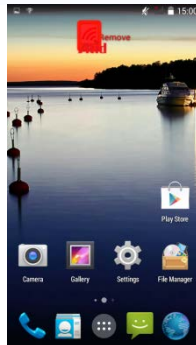
8 Troubleshooting

- 8.1 Alarmk
- 8.2 Bluetooth
- 8.3 Bluetooth

In the main interface, you can management main interface software ICONS: long press the icons for 3 seconds, after the icons become bigger, then you can drag anywhere in the interface and loosen your finger.

Delete icons

long press the icons for 3 seconds, drag the icons to the top of device PC while the icon turns red, loosen your hand, after that you can delete icon.



3.6 Status bar describe

The status bar is on the bottom of the screen.

In the lower center, display main interface software, home key, files running in the background, reduce volume, increase volume, back key, Screenshot capture. In the upper left corner, display USB connected, USB debugging connected, In the upper right corner, current time, Wi-Fi signal strength, and battery charging sign etc.

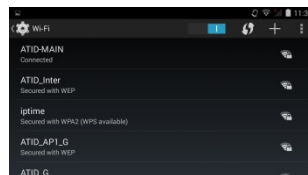
3.7 Use touch panel

Device equipped with a 7 inch touch screen. Following the main touch screen area is described and describes some of the tips for how to use the touch screen. No matter which interface you are on the screen, can go back to

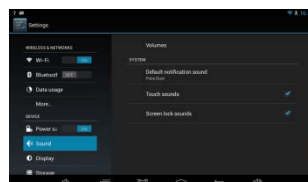
home page through pressing the soft home key on the bottom icons.

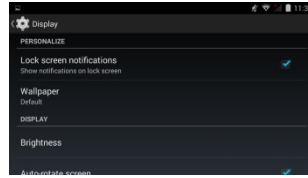
3.8 Equipment basic settings

Settings: Click settings icons , enter settings interface.



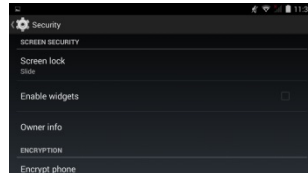
3.8.1 Silent mode, volume, notification, ringtone, audible selection, screen lock sounds.





3.8.2 Application

Manage applications



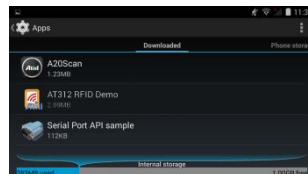
Unknown sources: Click "Unknown Sources", then click "OK".

Manage application: manager and uninstall application.

Remark】: When you firmware upgrade, please close the USB connect.

How to uninstall?

1. Enter  "Settings">"Application">"Manage application" and then there will be installed the program list.
2. Click you want to uninstall icon, will enter the following interface.
3. Click Uninstall, then you can delete the application.



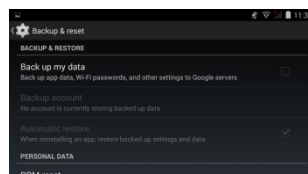
3.8.3 Privacy

Restore to factory settings

When there are great errors in your $\alpha 811$ or you forget the passwords, you can use **Restore to factory Settings** to restore them to Initial State.

Methods:

1. On the homepage interface, press **Menu** key.
2. Click **Settings**.
3. Click **Backup & reset**.
4. Click **Factory data reset**.
5. Wait for the system to restart.



3.8.4 Storage

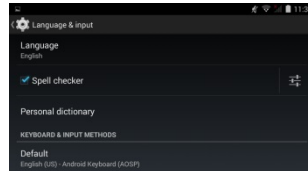
Remove TF card, view of the available storage space.



【Remark】 : Please touch option “delete SD card”, so that can remove SD card safety.

3.8.5 Language & Keyboard

Settings: Language, text input and automatic error correction options.



Select Language: 54 kinds of national languages are available.

Remark: Android system can support 54 kinds of languages, now menu interface just supports 14 kinds of languages.

Android keyboard: Android keyboard setting

Sound on Key-press

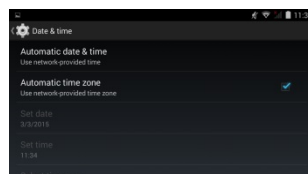
Auto-capitalization, Gesture keyboard

Show suggestions: Display suggested words while typing.

Auto-complete: Spec bar and punctuation automatically insert highlighted word.

3.8.6 Date & time setting

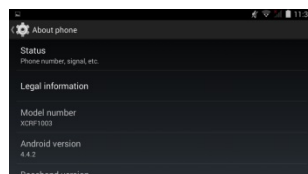
Set date, set time, select time zone and select date format.



3.8.7 USB Mode Select

Choose USB work pattern: OTG/HOST/SLAVE.....

3.8.8 About device



3.9 APPS install and uninstall

3.9.1 APPS install

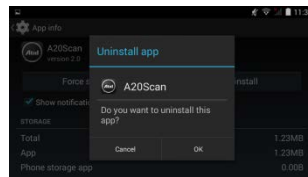
This Device can support Android APPS in market by third party, most APPS can install in network, can copy to NAND FLASH or SD card.

Click ESFILEEXPLORE  icon. It's available for internal memory disk and SD card disk. Select the APPS you would like to install, click APPS icon and select "OK", go back to main menu, it will display the installed app you just selected.

Remark: Some 3rd APP must install properly by memory card, downloaded 3rd party app may not install properly on device.

3.9.2 APPS uninstall

Click Settings, choose Apps, select the Apps you would like to uninstall then click "uninstall" ---->click "OK" as follows:



3.10 Input text

Use the screen keyboard

When you start programs or select text edit box which needs to input text or number, the screen keyboard will appear.

There is an optional input method of keyboard below:

1. Android keyboard
2. The third party input method (The user can install any input methods independently)

Select the input method which you want to use.

For pre-installation, Android keyboard will be displayed when you want to input word.

1. On the homepage interface, press menu button and click "Settings".
2. Click the **Language& input**.
3. List all installed input methods of α811 in the text setup area.
4. Tick the input method you want.

Use and switch input method

1. On the text input interface, hold text edit box area until "edit text menu" pop ups. Then click the input method.
2. Select the input method you want.



4 Establish connections

4.1 USB connection

1. Use USB cable to connect α811 with computer. Notice message will appear in Notice bar.
2. Drag up the  icon in the lower left corner.
3. In the notification panel, click on the **USB connected**, then click **Turn on USB storage**.
4. Then the USB connection will be done successfully.



4.1.1 Copy files to memory cards.

1. Use a USB cable to connect α811 with computer.
After setting the **store setting**, connect α811 with computer successfully.
2. Open **My Computer** of your computer, "portable disk (x)" can be seen.
3. Select the intended files and copy to the "portable disk (x)".
4. After copying the files, click "**safe deletion hardware**"  icon of your computer task bar to unload.

4.1.2 Content of α811 Storage Device

1. **NAND FLASH** storage device, α811 itself has 4G storage space for keeping files.
2. TF removable storage card.
3. The above mentioned two storage devices can connect your computer by using USB.

Note: When you connect the USB cable with α811, enabling the **USB storage device**, you will not get access to Internal Memory; If you want to get access to Internal Memory, please disconnect the USB device.

4.1.3 Storage card

Copy files to storage card

You can transfer files between α811 and computer such as music and pictures, etc. If you want to check the files, please click the file browser, then you can browse the contents of the SD card.

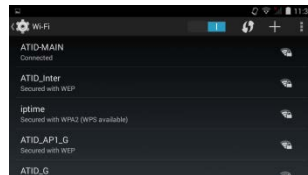
Delete the files on the α811 memory card.

1. Select the file you want to delete.
2. Click the file you need to delete, then the file menu will popup.
3. Click "**delete**"

4.2 WIFI connection

You can connect α811 to Wi-Fi network:

1. In the homepage interface, click the **MENU** button, then settings menu will pop up.
2. Click **settings**.
3. Click **wireless and network**.
4. Drag **Wi-Fi** to "ON". α811 will automatically scan available Wi-Fi networks.
5. Choose the Wi-Fi network you prefer. If it is private Wi-Fi network, then the password having been set should be input.



4.3 3G connection

5 Communication

5.1 E-MAIL

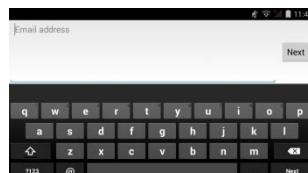
E-mail Settings

E-mail applications accompany with email settings guide, it can add the common Web email service providers (e.g. Gmail, Yahoo, Hotmail etc) except for POP3 or IMAP email account.

Note: Before setting the email, please ensure that the network has been linked.

Mailbox setting guide

1. Click the **E-mail** icon, then the mailbox setup guide will appear.
2. Click the **next step** button.
3. Sign in your email account and password.
4. Click the **next step** button, and select your mailbox type: POP3 or IMAP.
5. Click **next step** button to check whether email server is available.
6. Input your account and click **completion**.
7. If the mail account is available, it will automatically enter your inbox.



Delete email accounts

You can delete the POP3 or IMAP email account having been set in your mobile phone

1. Click **E-mail**

2. Enter to your E-mail box
3. Press Menu key
4. Click **accounts**
5. Hold the mail account you want to delete.
6. Menu list popping up, then click "**Remove account**"
7. Click "**OK**" to remove it.

Send E-mail messages

1. Click **E-mail** and get access to your inbox.
2. Click the inbox to enter in. With emails being refreshed automatically, emails can be read from time to time.
3. Press the Menu button, menu interface will pop up.
4. Click "**compose**" to write a new mail.
5. Input the recipient in the recipient column.
6. Input the theme of your e-mail and the content of your e-mail.
7. If you want to add attachments, press the menu button, then the menu options will pop up.
8. Click "**add attachment**"
9. Select attachments you want to send (e.g. video, images, etc.)
10. Click "**Send**" to send the e-mail.

Note: If you have more than one account, click that account title before you click the main **menu** key to write an e-mail.

6 Multimedia

6.1 Support the file format

Your α811 supports the following formats.

Music file format

- ◆ MP3
- ◆ AAC(AAC, AAC+ and AAC-LC)
- ◆ OGG
- ◆ WMA
- ◆ WAV

Video format

- ◆ AVI(H.264)
- ◆ RMVB
- ◆ MKV
- ◆ WMV
- ◆ MPEG4
- ◆ MOV

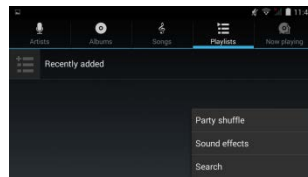
◆VOB

◆FLV

◆3GP

6.2 Music

There are four default categories in music player: artist, album, songs and playlist and now playing. Choose a category to check list contents. If you enter a category, always choose until you have to play songs. For example, if you choose the artist category, you will see a list of artist names arranging in alphabetical order from A to Z. If you choose an artist, the list will be presented with a list of the artist album songs.



Visit and broadcast music

1. Click **music**.
2. Click **songs**, also can click **artist**, **album** or **song list**.
3. Choose one song to play.

Add songs to the new playlist

1. Click **music**.
2. Click **songs**.
3. Hold the song you want to add to the playlist.
4. With music setting menu being pop up, click **add to play lists**.
5. Click **New**.
6. Input a name for the playlist.
7. Click **Save**.

Delete songs in the playlist

1. Click **music**.
2. Click **songs**.
3. Hold the song which you want to delete in the playlist.
4. With music setting menu being pop up, click "**delete**".

6.3 Camera

Photo taking function

1. Click **Camera**.
2. The system enters the Camera interface.
3. Click **Shoot** button to have photos taken easily.
4. Other functions like sizes, storage locations, white balance and focusing adjustment can be set as well.
5. After finishing taking a photo, flick left for photo preview.



Video recording functions

1. Drag up the switchover button to switch it into the video recording mode.
2. Click the **red Video Record** button to perform video recording.
3. Other functions like color effect, white balance and video quality can also be set.
4. Click **Video Record** button again to stop video recording, with the previous video being able to be seen.



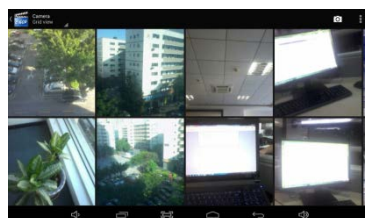
6.4 Gallery

Using the Gallery application program, you can automatically search all photos and video files in $\alpha 811$ and in USB device (including TF card). Moreover, the Gallery will classify such photos and video files by these folders. You can use the Gallery program to view and edit photos, take photos as wallpapers as well as viewing videos.

Check pictures

1. Click the intended folder to check pictures included.
2. Click the intended pictures that will be played in full screen mode.
3. Flick right/left for browsing all pictures
4. Pinch screen for zoom in/ out, when the pictures being able to be zoomed.

Skills: Gallery supports automatically rotating function. Rotating your $\alpha 811$, the picture will automatically follow the direction according to the way you rotate your $\alpha 811$.



Edit and set images

Press the menu button to display images in full screen mode, you can select the intended image to edit and set the image according to your needs.

● Slide presentation

Open the pictures and click **slideshow**. All the images can be shown in the slide folder for broadcasting.

● Sharing

1. Press the menu button and click "**share**".
2. The picture will be shared with your friends via **Twitter, Facebook, Messaging, Gmail or Email**.

● Rotating

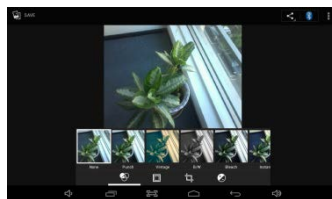
1. Press the menu button and click "**More**".
2. Click **Rotate Left** or **Rotate Right**.

● Crop

1. Press the menu button, click "**More**" and select "**Crop**"
2. Click the image and drag a related region of the image you want,
3. Adjust the size you want, click "**Save**".
4. If you want to quit cropping the image without saving it, click "**Discard**" and return to the Gallery.

● Edit images

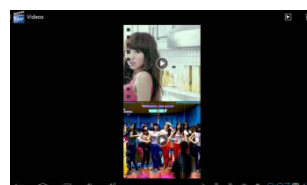
1. Press the edit icon on the lower left."
2. Choose effect
3. Press save icon on upper left corner



Video preview and play

Operating the Gallery application, you can scan all video files in the $\alpha 811$ and in the USB device (including TF card), as well as previewing playable video files. Click one of them to play.

In the video preview interface, press Menu button, with the function window appearing for editing video files as is shown below



6.5 HDMI

HDMI high-definition video interface

Use a standard HDMI cable to connect $\alpha 811$ with high definition television.

This interface supports GHEST o8oP resolution.

1. $\alpha 811$ is in boot state.
2. Use a standard HDMI cable to connect $\alpha 811$ with high definition television.
3. The system interface on the $\alpha 811$ can be synchronized with high resolution TV pictures.

7 Internet

7.1 Browser

Enter into homepage

The browser always habitually shows the last homepage visited by user, the homepage will appear when it enters into the browser on boot.

Change your home page

1. Click **browser**.
2. Press the Menu button, menu of browser settings pops up.
3. Click **more**.
4. Click **Settings**.
5. Click **settings home page**.
6. Input website, and click "OK".

Browse website

You can slide the screen up and down to browse the webpage.

Enlarge or shrink pages

Opening a webpage and dragging it, the webpage enlarging and zoom-out button will appear at the bottom of the webpage. You can click "enlarge" or "reduce" to browse webpage.

Find the words in webpage

1. When browsing the web, press menu button and menu options pop up.
2. Click **more**.
3. Click a homepage you want to visit.
4. Enter your search projects.
5. When you input characters, words will change from white to green.
6. Click the arrow on search column to move on searching.

Management bookmarks

● Settings webpage bookmarks

1. Go to a webpage in the browsing interface.
2. Press the menu button and click the **bookmarks**, then click **add bookmarks**.
3. Edit bookmarks and click **OK**.

● Opening bookmarks

1. Press the menu button and click the bookmarks in the browser interface.
2. Click the intended bookmarks to open the webpage.

● Editing bookmarks

1. Press the menu button and click the bookmarks in the browser interface.
2. Click and hold the bookmarks to open the menu options.
3. Click the edit bookmarks to edit it, and click Ok.

Use the browser window

● Open a new browser window

1. Open the browser window; click the menu button and click new window.
2. Input the website address in the new window.

● Switch browser window

- 1 In the browser window, press the menu button and click windows.
2. Click the window you want to open.

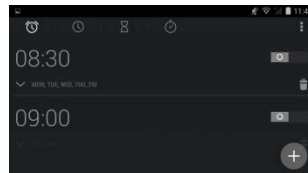
● Set browser

In the browser interface, press the menu button and click more, then click Settings to set the browser.

8 Other applications

8.1 Alarm clock

1. Click the Clock program.
2. Enter into programming interface as the picture is shown below.
3. There were pictures, music, alarm clock and page buttons.
4. Pressing the Menu button, alarm setting menu will pop up.



8.2 Calculator

1. Click **calculator**.
 2. Enter into the basic calculator panel.
 3. Press the Menu button, and click the advanced panel.
 4. Touch the digital panel or operators on the counter to calculate.
- Skills: You can slide the screen to change basic panel to advanced panel.

8.3 Explorer

Browse the file

Slide the screen to look for the **File Manager**

You can use the file browser to manage editing/deleting files and folders and establish file sharing and FTP servers to achieve resource sharing.



Cut and copy files

1. On the **File Manager**, press operation documents.
2. Operation menu pops up, including **Copy Open As, Cut, Copy, Rename, Delete, Select All and Shortcut**.

Copy or Move the file

1. Use fingers to hold the intended file in the file browser.
2. Click "**copy**" or "**Move**".
3. Select the file you want to copy or Move to and click **Paste**.

Delete the file

1. Use fingers to hold the intended file in the file browser.
2. Click "**delete**".
3. Click "**delete**" to delete files or click "cancel" to return.

Quick search

1. On the file browser, press the menu button to popup menu.
2. Click "**new**".
3. Click "**search**".
4. When search panel pops up, input your keywords for searching.
5. Click "**sure**", then search progress bar will appear in notice bar.
6. After the completion of the search, dialogue box will pop up to confirm whether it's necessary to show results.
7. Click "**sure**" to display search results.

9 Troubleshooting

1. The first time you start α811, it takes rather a long time

After α811 system upgrades, it takes about 2-3 minutes to install preloaded application software when starting it at first time. It will be faster and faster later when you start it.

2. Disability to connect with WIFI

- Check whether the wireless router is at work.
- Check whether your α811 is near the wireless router, whether there are walls or other obstacles preventing you from wireless router.
- Check whether the user name and the password are correct.

3. You feel a little bit hot of your α811

If you operate many programs at the same time or the brightness of the screen is very high, it is normal to

feel a little bit hot of your α811 because of costing more electricity.

4. The system is abnormal.

Installing the 3rd party program may result in failure operation, press RESET (near power connector) to reset the system.

5. Disability of setting an Email and program login

- Check whether the network is normally connected with Internet
- Check whether Email setting is appropriate.
- Check whether the time of α811 system is the same as the local time

Appendix 1 Specifications

Type	Content	Description
Basic parameters	Device model	α811
	CPU model	Cortex A7 Octa Core
	CPU frequency	2.0GHz
	RAM	LPDDR3 2GB
	ROM	eMMC 32GB
	Operation system	Google Android 6.1
	Network insertion	Wi-Fi 802.11a/b/g/n/ac
	USB interface	Micro USB
	Camera	8MP(rear)
	Standard batteries	5200mAh
	Power adaptor	Output: DC5.0V/2.0A

	SD card	Supporting 32G maximum
Product visual appearance	Visual pattern	PDA
	Master screen	4.0-inch TFT liquid crystal touch (Capacitance 5-touch) liquid crystal screen at the resolution of 480x800
	Video playing	Supporting AVI, RMVB, MKV, FLV and other formats, and supporting 1080P high resolution playing
Application programs	Music playing	Built-in music player supporting playback in the MP3, WMA, WAV and other formats
	Games	Supporting a third party program
	Input method	Android input method
	Picture browsing	Supporting picture browsing in the formats of JPEG, BMP, PNG and GIF, etc
	OFFICE software	Supporting office (word, excel, Power point reading and editing), and supporting PDF browsing

The revised User Manual does not contain the FCC required warning statements.

a. Rule Part 15.19(a)(3): 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.

b. Rule Part 15.21: The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital

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