

Rugged Touch Computer

- PA760 -



User's Manual

Version 2.0



Revision History

Date	Change Description	Version
2019/5/23	first published version	1.0
2019/8/12	Add picklist mode	1.1
2019/12/16	Add BatteryInfo Health Service	1.2
2020/3/4	Update 2.13 battery swap	1.3
2020/9/24	Update Spec – OS	1.4
2020/10/12	Update dark mode / WiFi sharing introduction	1.5
2020/10/27	Update 1.4.1	1.6
2021/01/26	Update package contents	1.7
2021/3/26	Add USS link	1.8
2021/4/29	Modify to A10 / Add NTP	1.9
2021/5/25	Add battery note	2.0

About This Manual

Thank you for purchasing the unitech product.

This manual explains how to install, operate and maintain our product.

No part of this publication may be reproduced or used in any form, or by any electrical or mechanical means, such as photocopying, recording, or information storage and retrieval systems, without permission in writing from the manufacturer. The material in this manual is subject to change without notice.

Regulatory Compliance Statements

FCC Warning Statement

This device 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 with radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference with 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.

1. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure requirements, avoid direct contact to the transmitting antenna during transmitting.
3. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

FCC Label 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.
2. This device must accept any interference received, including interference that may cause undesired operation.

RF Radiation Exposure Statement

For body contact during operation, this device has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

European Conformity Statement

unitech Electronics co., Ltd herewith declares that the unitech product is in compliance with the essential requirements and all other provisions of the RED 2014/53/EU directive.

The declaration of conformity is available for download at :

<https://portal.unitech.eu/public/Safetyregulatorystatement>

CE RF Exposure Compliance

For body-worn operation, this device has been tested and meets the ICNIRP guidelines and the European Standard EN 62209-2, for use with dedicated accessories, SAR is measured with this device at a separation of 0.5 cm to the body, while transmitting at the highest certified output power level in all frequency bands of this device. Use of other accessories which contain metals may not ensure compliance with ICNIRP exposure guidelines.

CE Mark Warning



RoHS Statement



This device conforms to RoHS (Restriction Of Hazardous Substances) European Union regulations that set maximum concentration limits on hazardous materials used in electrical and electronic equipment.

Waste electrical and electronic equipment (WEEE)



unitech has set up a policy and process to meet the 2012/19/EU concerning electronic waste disposal.

For more detailed information of the electronic waste disposal of the products you have purchased from unitech directly or via unitech's resellers, you shall either contact your local supplier or visit us at :

<https://portal.unitech.eu/public/WEEE>

Taiwan NCC Warning Statement

低功率電波輻射性電機管理辦法

第十二條：經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條：低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機需忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

SAR標準值2.0W/KG，送測產品實測值為：0.225 (W/KG)

注意事項：

1. 使用過度恐傷害視力。
2. 使用30分鐘請休息10分鐘；2歲以下幼兒不看螢幕，2歲以上每天看螢幕不要超過1小時。
3. 減少電磁波影響，請妥適使用。
4. 因應各地區/國家開放頻道不同，請依據當地主管機關與電信業者實際公告資訊為主，如服務細則有所變更，請自行洽詢電信業者，恕不另通知。
5. 無線資訊傳輸設備避免影響附近雷達系統之操作

Note:

Within the 5.25-5.35 GHz band, U-NII devices will be restricted to indoor operations to reduce any potential for harmful interference to co-channel MSS operations.

Laser Information

The unitech product is certified in the U.S. to conform to the requirements of DHHS/CDRH 21CFR Subchapter J and to the requirements of IEC 60825-1. Class II and Class 2 products are not considered to be hazardous. The unitech product contains internally a Visible Laser Diode (VLD) whose emissions do not exceed the maximum limits as set forth in the above regulations. The scanner is designed so that there is no human access to harmful laser light during normal operation, user maintenance or prescribed service operations.

The laser safety warning label required by the DHHS/IEC for the unitech product's optional laser scanner module is located on the memory compartment cover, on the back of the unit.

* Laser information only applies to the products with laser components.

CAUTION! Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous laser light. Use of optical instruments with the scanner, including binoculars, microscopes, and magnifying glasses, with will increase eye damage. This does not include eyeglasses worn by the user.

LED Information

The unitech product contains LED indicator(s) or LED ring whose luminance is not harmful to human eyes during normal operation, user maintenance or prescribed service operations.

*LED information only applies to the products with LED components.

Battery Notice

1. To guarantee optimal performance, it is recommended that rechargeable batteries be replaced every year, or after 500 charging cycles are completed. It is normal for the battery to balloon or expand after one year or 500 cycles. Although it does not cause damage, it cannot be used again and must be disposed of according to the location's safe battery disposal procedures.
2. If a battery performance decreases more than 20%, the battery is at the end of its life cycle. Stop use and ensure the battery is disposed of properly.
3. The length of time that a battery lasts depends on the battery type and how the device is used. Conserve the battery life by doing the following:
 - Avoid fully uncharging the battery because this places additional strain on it. Several partial uncharges with frequent charges are better than a fully uncharged battery. Charging a partially charged battery does not cause harm to the unit.
 - **DO NOT leave the battery pack or in the device in a hot condition such as in the car with closed door on a hot day or similar environment, and/or under direct sunlight for an extended period of time. High-temperature condition might cause the battery damaged for further safe usage. Keep the device with the battery within acceptable operating temperatures (please refer to the “specification” section for further details).**

To guarantee optimal battery performance, we generally recommend you replace your rechargeable batteries every two years, or after 500 charging cycles. By ignoring the warning message from above and continuing using the battery neglectfully may lead to a critical consequence.

- Do not leave the battery uncharged and unused for an extended period of time, the battery will wear out and the longevity of the battery will be at least half of one with frequent charges.
- 4. Protect battery life by not over or under charging the battery.
- 5. Please do not leave battery unused for long time without charging it. Despite unitech's safety precautions, the battery pack may begin to change shape. If so, stop using it immediately. Please check to see if you are using a proper power adapter to charge the battery or contact your service provider for service.
- 6. If you cannot charge the battery after it has been idle for an extended period of time and it begins to heat up, please do not try to charge it. It may not be functional anymore.
- 7. Please only use the original battery from unitech. Using a third party battery can damage our products. Please note that when such damage occurs, it is not covered by unitech's warranty policy.

CAUTION!

- RISK OF EXPLOSION IF BATTERY IS REPLACED INCORRECTLY. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.
- 如果更換不正確之電池行事會有爆炸的風險
請依製造商說明書處理用過之電池
- 如果更換不正確之電池行事會有爆炸的風險
請依製造商說明書處理用過之電池

Battery charge notice

It is important to consider temperature when the battery pack is charging. Charging is most efficient at normal room temperature or in a slightly cooler environment. It is essential that batteries are charged within the stated range of 0°C to 40°C. Charging batteries outside of the specified range could damage the batteries and shorten their life cycle.

CAUTION! Do not charge batteries at a temperature lower than 0°C. This will make the batteries unstable and dangerous. Please use a battery

temperature detecting device for a charger to ensure a safe charging temperature range.

CAUTION! To ensure the unit working properly, please keep all connectors away from the contaminants staying inside of them such as dust, grease, mud, and water. The negligence may cause the unit with no communication, short circuited, overheated and so on.

CAUTION! If the connector is damaged, please ensure the connector is being fully repaired before use the unit to avoid causing short circuited.

Storage and safety notice

Although charged batteries may be left unused for several months, their capacity may be depleted due to build up of internal resistance. If this happens, they will require recharging prior to use. Batteries may be stored at temperatures between -20°C to 60°C, however they may deplete more rapidly at higher temperatures. It is recommended to store batteries at room temperature.

** The message above only applies to the usage of the removable batteries.
For the products with non-removable batteries / without batteries, please refer to the specification of each product.*

Product Operation and Storage Notice

The unitech product has applicable operation and storage temperature conditions. Please follow the limitation of suggested temperature conditions to avoid failure, damage or malfunction.

** For applicable temperature conditions, please refer to the specification of each product.*

Adapter Notice

1. Please do not leave the power adapter in the socket when it is not connected to your unitech product for charging.
2. Please remove the power adapter when the battery is fully recharged.
3. The bundled power adapter that comes with your unitech product is not meant to be used outdoors. An adapter exposed to water or rain, or a very humid environment can cause damage to both the adapter and the product.
4. Please only use the bundled power adapter or same specification of adapter to charge your unitech product. Using the wrong power adapter can damage your unitech product.

** The message above only applies to the product connected to the adapter.
For the products without using the adapters, please refer to the specification of each product.*

Hearing Damage Warning

To prevent possible hearing damage, do not listen at high volume levels for long periods.




Figure 1 – Warning label (IEC 60417-6044)

Worldwide Support

unitech's professional support team is available to quickly answer questions or assist with technical-related issues. Should an equipment problem occur, please contact the nearest unitech regional service representative.

For complete contact information please visit the Web sites listed below:

<p>Taipei, Taiwan – Headquarters</p> <p>Tel: +886-2-89121122</p> <p>E-mail: info@hq.ute.com</p> <p>Address: 5F, No. 136, Lane 235, Baoqiao Road, Xindian District, New Taipei City 231, Taiwan (R.O.C.)</p> <p>Website: http://www.ute.com</p>	<p>Europe</p> <p>Tel: +31-13-4609292</p> <p>E-mail: info@eu.ute.com</p> <p>Address: Kapitein Hatterasstraat 19, 5015 BB, Tilburg, the Netherlands</p> <p>Website: http://eu.ute.com</p>
<p>China</p> <p>Tel: +86-59-2310-9966</p> <p>E-mail: info@cn.ute.com</p> <p>Address: Room401C, 4F, RIHUA International Mansion, Xinfeng 3rd Road, Huoju Hi-tech District, Xiamen, Fujan , China</p> <p>Website: http://cn.ute.com</p>	<p>Japan</p> <p>Tel: +81-3-35232766</p> <p>E-mail: info@jp.ute.com</p> <p>Address: Kayabacho Nagaoka Building 8F.,1-5-19 Shinkawa, Chuo-Ku, Tokyo, 104-0033, Japan</p> <p>Website: http://jp.ute.com</p>
<p>Asia & Pacific / Middle East</p> <p>Tel: +886-2-27911556</p> <p>E-mail: info@apac.ute.com info@india.ute.com info@mideast.ute.com</p> <p>Address: 4F., No. 236, ShinHu 2nd Rd., NeiHu Chiu, 114, Taipei,Taiwan</p> <p>Website: http://apac.ute.com / http://mideast.ute.com</p>	<p>Latin America</p> <p>Tel: +52-55-5171-0528</p> <p>E-mail: info@latin.ute.com</p> <p>Address: 17171 Park Row, Suite 210 Houston, TX 77084USA (Rep.)</p> <p>Website: http://latin.ute.com</p>
<p>North America</p> <p>Tel: +1-714-8916400</p> <p>E-mail: info@us.ute.com / info@can.ute.com</p> <p>Address: 6182 Katella Ave, Cypress, CA 90630, USA</p> <p>Website: http://us.ute.com</p>	<p>Please scan QR Code to visit us :</p> 

Warranty Policy

The following items covered under the unitech Limited Warranty are free from defects during normal use:

The warranty period is varied from each country. Please consult with your supplier or unitech local office for actual length of warranty period to your purchased product.

Warranty becomes void if equipment is modified, improperly installed or used, damaged by accident or neglect, or if any parts are improperly installed or replaced by the user.

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Chapter 1 - Overview

1.1 Package

Please make sure the following contents are in the PA760 gift box. If something is missing or damaged, please contact your unitech representative.

The basic package contents

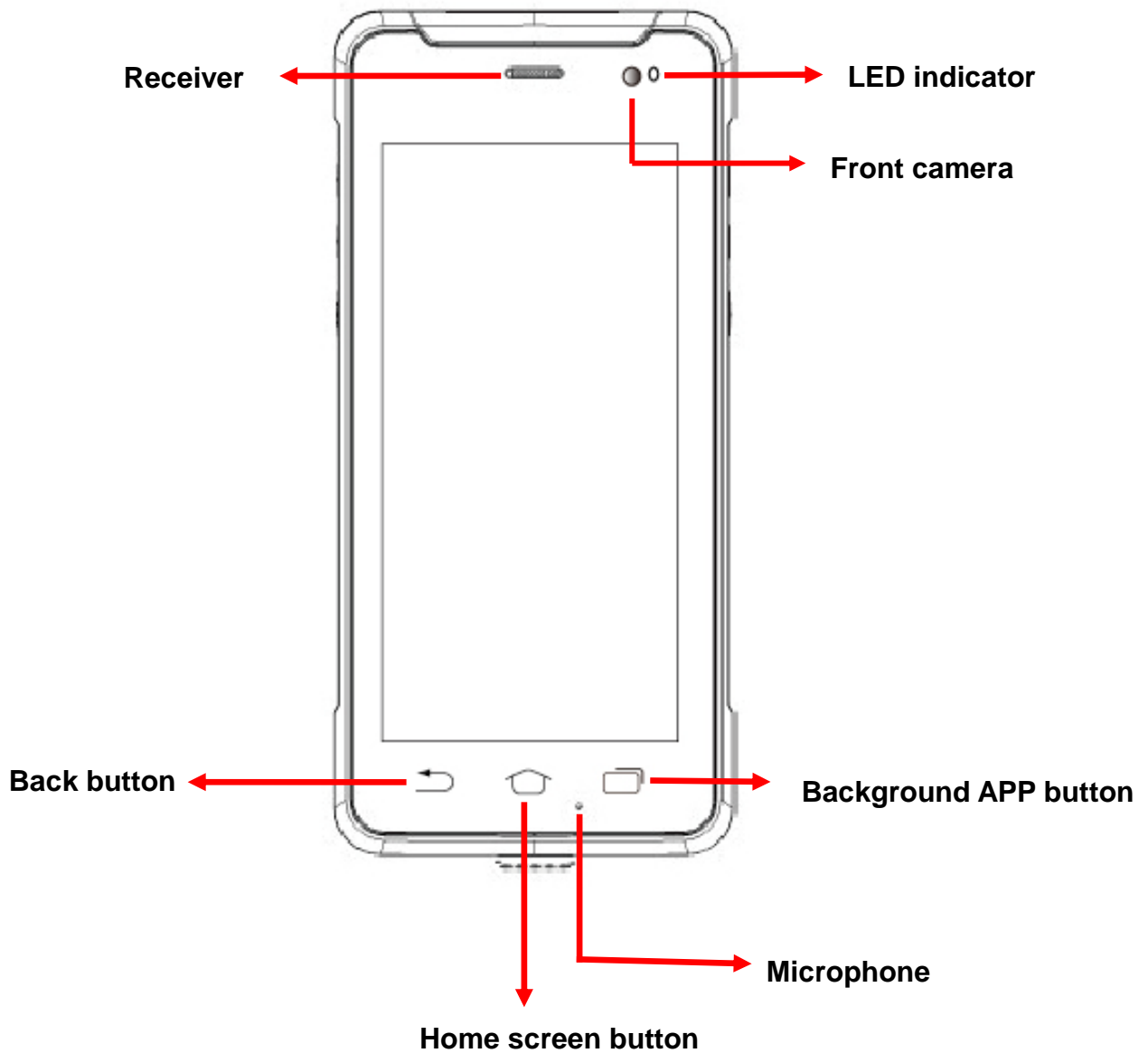
- PA760 Terminal
- Battery
- Hand Strap (Only for POGO pin model)
- Tray Ejector tool
- Quick Start Guide
- Regulatory Compliance Statements

Optional accessories

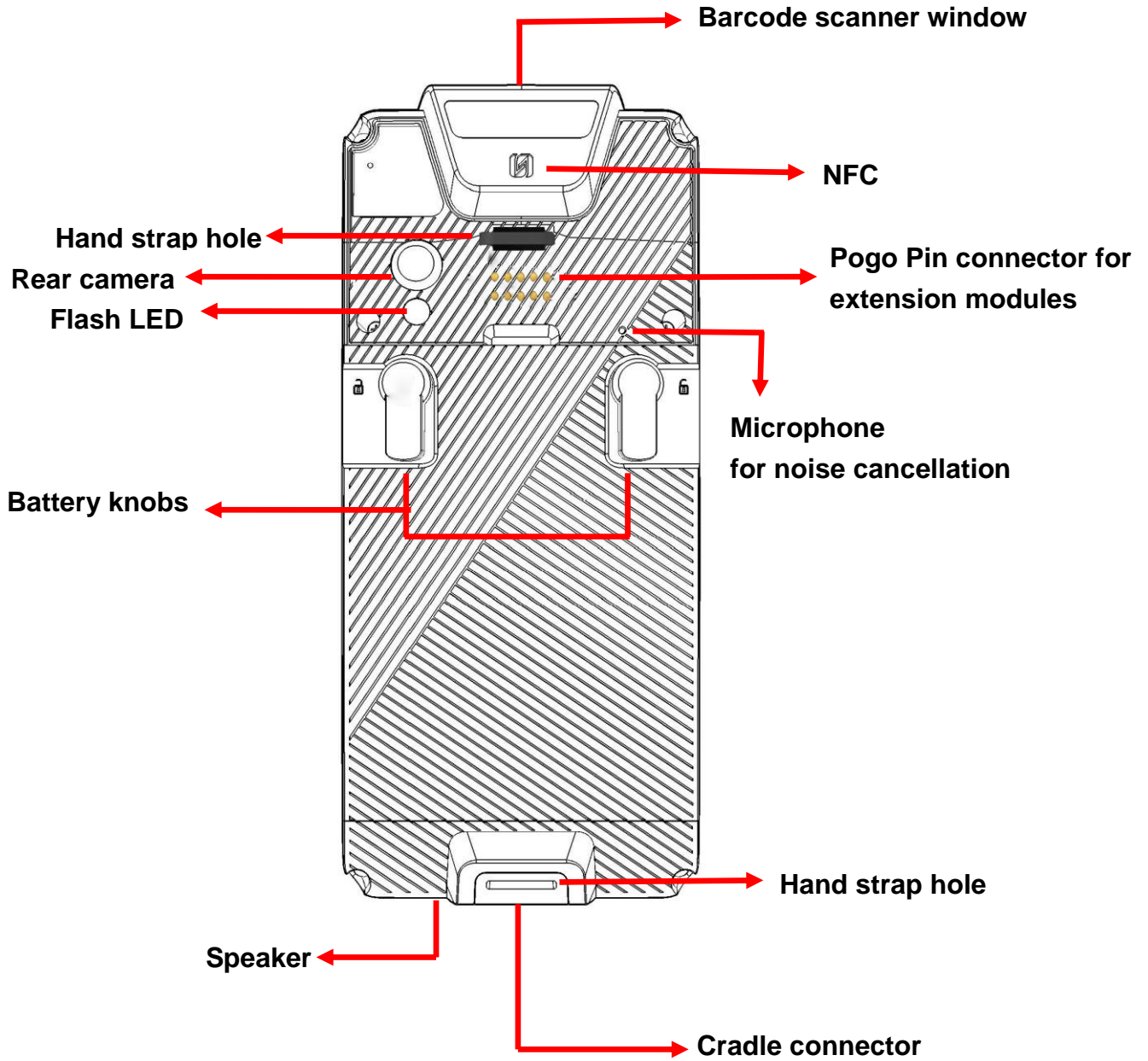
- USB Type C Cable & Adapter (with US, EU, UK plugs)
(Included in the standard package)
- 1-slot Terminal & Battery Charging Cradle
- 1-slot Ethernet & Battery Cradle
- 4-slot Terminal Charging Cradle
- 4-slot Ethernet Cradle
- Bumper or Extended Battery (Depends on model selection)
- Gun Grip

1.2 Product Detail

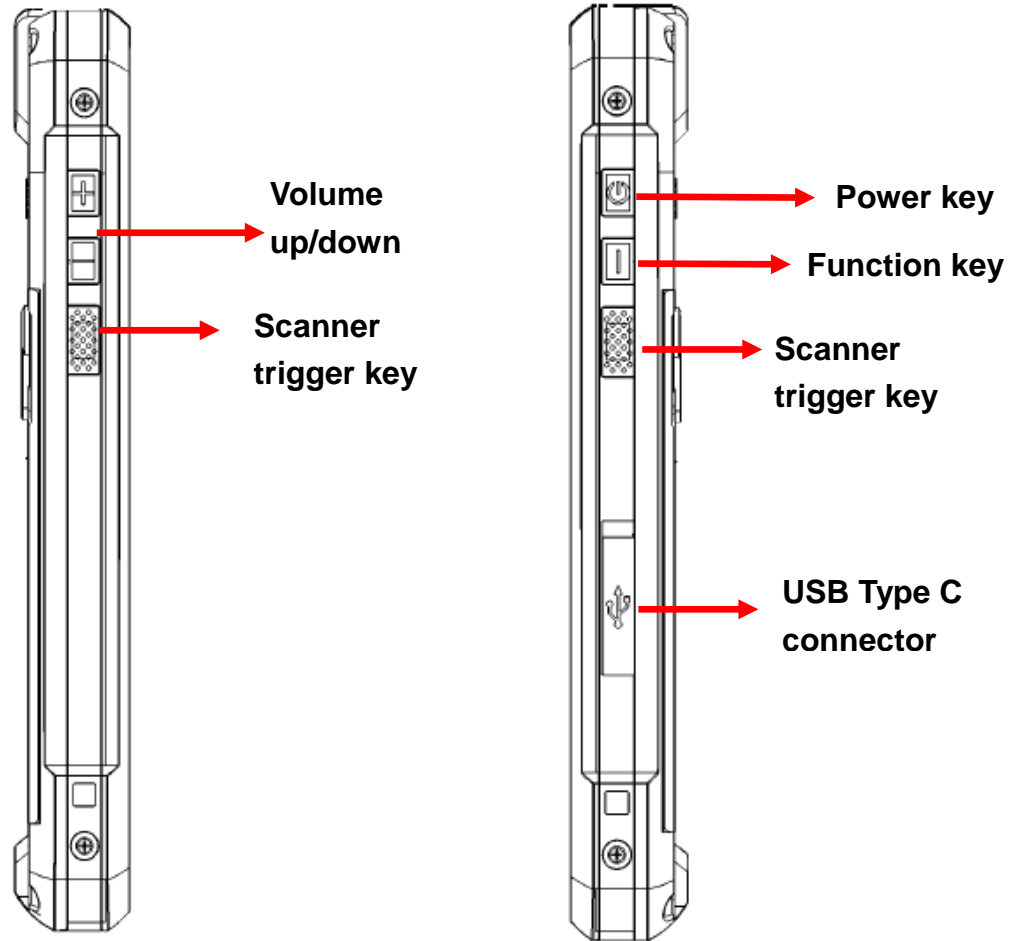
PA760 Front View



PA760 Rear View



PA760 Left and Right View



1.3 Specifications

System Features		
CPU	2.2 GHz Octa Core Processor, 64bits	
Memory	4 GB RAM 64GB Flash	
Expanded slot	MicroSD, up to 128GB	
OS	Android™ 9 / Android™ 10 <i>(PA760 Android 10 is released in Sep., 2020.)</i>	
Languages support	English, Simplified Chinese, Traditional Chinese, Japanese, Spanish, German, French and multiple languages	
Display		
Gorilla Glass III with 5-point capacitive touch panel		
5.45" Color LCD 1440x720 High Resolution Display		
500 cd/m2 Brightness		
Physical keys		
1 x Function key	1 x Power key	2 x Volume keys
2 x Scan trigger keys		
On screen buttons		
1x Back button	1x Home button	1 x Background app button
Indicator		
1 x LED indicator		
Vibrator		

Android is a trademark of Google LLC.

Comes with the Google™ app and Google Chrome™

Engines	
1D	<p>SE655</p> <p><u>Illumination/AIMER</u> : LED 630 ± 30 nm</p> <p><u>Optical Resolution</u> : 5 mil (minimum readable bar code module size)</p> <p><u>Scan Repetition Rate</u> : Nominally 50 scans/second</p> <p><u>Print Contrast</u> : 20% (minimum print contrast)</p> <p><u>Ambient Light Immunity Light Source</u> : 4845(lux) ± 5%</p> <p><u>Symbologies</u> : UPC-A/E, EAN-8/13, Codabar, Code 39, Code 39Full ASCII, Code 93, Code 32, Interleaved & Std.2 of 5, EAN 128, Code 11, MSI/Plessey, Code128, RSS Expanded, RSS Limited, RSS14</p>
2D	<p>N6603 :</p> <p><u>Sensor Resolution</u> : Proprietary CMOS sensor with global shutter and 844 x 640 pixel resolution</p> <p><u>Illumination Element</u> : White LED (exempt risk group)</p> <p><u>Aiming</u> : 650 nm high-visibility red laser (class 2 laser safety)</p> <p><u>Symbol Contrast</u> : 20% minimum reflectance</p> <p><u>Ambient Light</u> : 0–100,000 lux (total darkness to bright sunlight)</p> <p><u>Scan Angles</u> : Tilt: 360°, Pitch: ± 45, Skew: ± 60°</p> <p><u>Symbologies</u> :</p> <p style="padding-left: 40px;">Linear: UPC/EAN/JAN, GS1 DataBar, Code 39, Code 128, Code 32, Code 93, Codabar/NW7, Interleaved 2 of 5, Code 2 of 5, Matrix 2 of 5, MSI, Telepen, Trioptic, China Post</p> <p style="padding-left: 40px;">2D Stacked : PDF417, MicroPDF417, GS1 Composite</p> <p style="padding-left: 40px;">2D Matrix: Aztec Code, Data Matrix, QR Code, Micro QR Code, MaxiCode, Han Xin Code, DotCode</p> <p style="padding-left: 40px;">Postal: Intelligent Mail Barcode, Postal-4i, Australian Post, British Post, Canadian Post, Japanese Post, Netherlands (KIX) Post, Postnet, Planet Code</p> <p style="padding-left: 40px;">OCR Option: OCR-A, OCR-B, E13B (MICR)</p>
Audio	
1 W output ,95 dB at 10cm, Microphone*2	

Regulatory Approvals	
CE, FCC, NCC, BSMI, VCCI, TELEC, CCC, SRRC, RoHS, DoC, BQB, GMS, N-Mark compliance	
Communication	
USB	USB OTG Type C Connector for PC/USB drive POGO PIN connector for Cradle
WLAN	IEEE802.11 a/b/g/n/ac/d/h/i/r, support fast roaming, MIMO(2x2)
PAN	Bluetooth® 5
WWAN	LTE FDD: Band 1(2100), Band 2(1900), Band 3(1800), Band 4(1700), Band 5(850), Band 7(2600), Band 8(900), Band 17(700bc), Band 20(800), Band 28(700) TDD: Band 38(2600), Band 39(1900), Band 41(2500) *Support Dual Nano SIM Slot
GPS	GPS/GLONASS/Gallileo/Beidou
Others	Support NFC, fingerprint
Camera and Flash Light	
16 MP Rear, 5 MP Front camera	
Power Source	
Standard Battery	4000mAh / battery with cover in one piece
Extended Battery	6000mAh / battery with cover in one piece
Enclosure	
Weight	Approximately 300g
Dimension	163mm (L) x 17.4mm (H) x 75mm (W)
Environmental	
Operating temperature	-4°F to 122°F (-20°C to 50°C)
Storage temperature	-22°F to 140°F (-30°C to 60°C)
Relative Humidity	5% ~ 95% (non-condensing)
Drop test to Concrete	1.5 meter, 1.8 meter with bumper
Environmental Sealing	IP67

Software

Android9 / Android 10

Support camera API and Camera 2 API.

Radio type / Description		Transmitter Frequency	Maximum Output Power
GSM	GSM850	824 – 849MHz	32.5dBm
	EGSM900	880 – 915MHz	32.5dBm
	DCS1800	1710-1785MHz	29.5dBm
	PCS1900	1850 – 1910MHz	29.5dBm
UMTS	FDD 1	1920-1980MHz	23dBm
	FDD 2	1850 – 1910MHz	23dBm
	FDD 5	824 – 849MHz	23.5dBm
	FDD 8	880 – 915MHz	23.5dBm
LTE	FDD 1	1920-1980MHz	22.5dBm
	FDD 2	1850 – 1910MHz	22.5dBm
	FDD 3	1710-1785 MHz	22.5dBm
	FDD 4	1710 – 1755MHz	22.5dBm
	FDD 5	824 – 849MHz	22.5dBm
	FDD 7	2500 – 2570MHz	22.5dBm
	FDD 8	880 – 915MHz	22.5dBm
	FDD 17	704 – 716MHz	22.5dBm
	FDD 20	832 – 862MHz	22.5dBm
	FDD 28	718 – 748MHz	22.5dBm
	TDD 38	2570 – 2620MHz	22.5dBm
	TDD 39	1880 – 1920MHz	22.5dBm
	TDD 41	2496 – 2690MHz	22.5dBm
WLAN 2.4GHz	IEEE 802.11b	2400-2483.5MHz	17dBm
	IEEE 802.11g	2400-2483.5MHz	14dBm
	IEEE 802.11n	2400-2483.5MHz	14dBm

WLAN 5GHz	IEEE 802.11a	5150-5350MHz	14dBm
		5470-5725MHz	14dBm
	IEEE 802.11n	5150-5350MHz	14dBm
		5470-5725MHz	14dBm
	IEEE 802.11ac	5150-5350MHz	13dBm
		5470-5725MHz	13dBm
Bluetooth®	Bluetooth®	2400-2483.5MHz	9dBm
RFID	NFC	13.56MHz	N/A

Note:

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

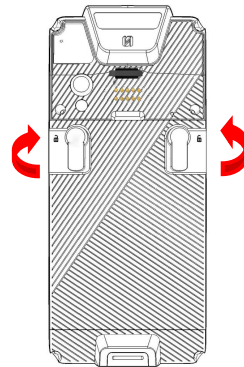
	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK
	IS	LI	NO	CH	TR		

1.4 Getting Started

1.4.1 Remove / Install the Battery Cover

■ Unlock the battery

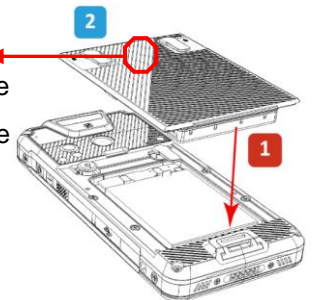
1. Unlock the battery by turning up the two knobs. Gently remove the battery.



■ Install the battery

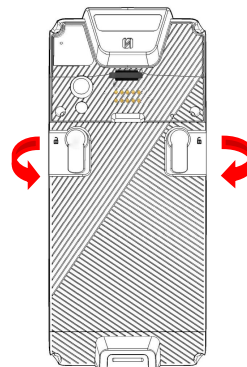
1. Follow the instruction to install the battery. As shown in the figure to the right.

Step 2 : Press down this area (marked with red circle) to make sure there is no gap between the device and the battery.



Step 1 :Gently insert the battery from bottom to top.

2. Lock the battery by turning down the two knobs. Make sure the battery is securely closed, or you may be unable to turn on the terminal.



WARNING! *There is a risk of fire and burns if the battery is handled improperly. DO NOT disassemble, crush, puncture, short external contacts, or dispose the battery pack in fire or water. DO NOT attempt to open or service the battery. Dispose of used batteries according to local recycling guidelines in your area.*

1.4.2 Charging the Battery

If the battery has been discharged for several days, you may need to charge for several minutes before powering it on.


Use only the adapter and the USB type C cable that came with this device to charge the battery.

When the battery power is too low, make sure to use the power adapter or put into the cradle (strongly recommend) to charge, not the USB type C cable connection with your computer.

1.4.3 Turning on the terminal for the first time

It is recommended to fully charge PA760 before first use. You can now start up your device to set up the languages, WLAN setting, and date and time.

Power-On Button

Turn ON your device by pressing the power button  on the right side of the terminal.

1.4.4 Checking the LED status

	LED	Description
Terminal	Red Light	<ul style="list-style-type: none"> ■ Battery Charging ■ Twinkling to indicate battery low status(less than 15%)
	Green Light	<ul style="list-style-type: none"> ■ Battery Fully charged ■ Barcode scan good read
	Blue Light	Message
	All of LEDs can be controlled by software API	If scanner app is running, LED control by scanner app.
	No LED (Red and Green) display when battery is out(even AC IN)	

Checking the Battery Status

If the battery level becomes low in the course of normal use, a status icon appears on the device screen indicating low or very low battery status. In both cases, connect PC with USB to back up your data, and then recharge your device as soon as possible.

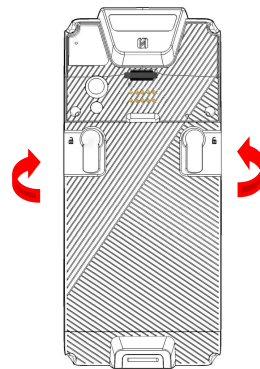
1.4.5 Using the Micro SD/ Nano SIM Card

The PA760 has 1 x micro SD and 2 x nano SIM card slots inside the battery compartment.

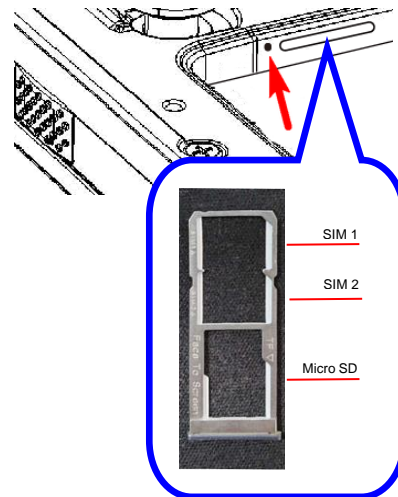
Note: Before inserting or removing micro SD card or nano SIM card, please **TURN OFF PA760** for the first step.

Inserting a Micro SD/ Nano SIM Card

1. To unlock the battery by turning up the two knobs. And pull the battery up to remove it.

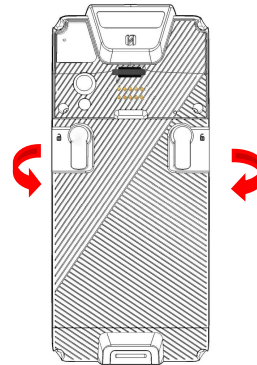


2. Insert the tip of the tray ejector tool that came with the package or a small bent paperclip into the eject hole. Then pull the tray out.



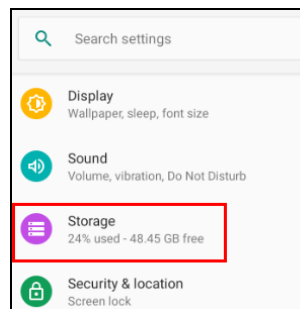
3. Now you can access the Micro SD card slot and two nano SIM card slots.

4. To lock the battery by turning down the two knobs. Make sure the battery is securely closed, or you may be unable to turn on the terminal.



Checking PA760 storage

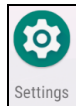
Please go to **Settings**  and tap **Storage** to check the PA760 storage.



1.4.6 Battery Status

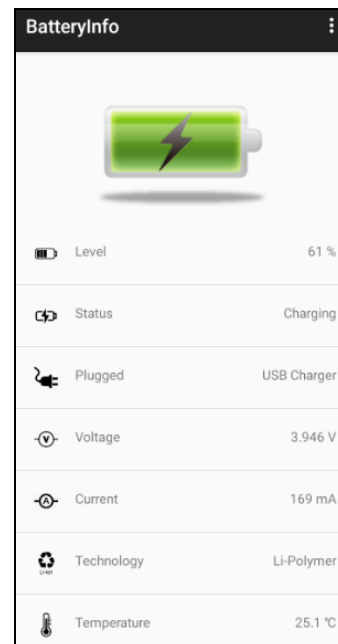
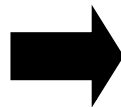
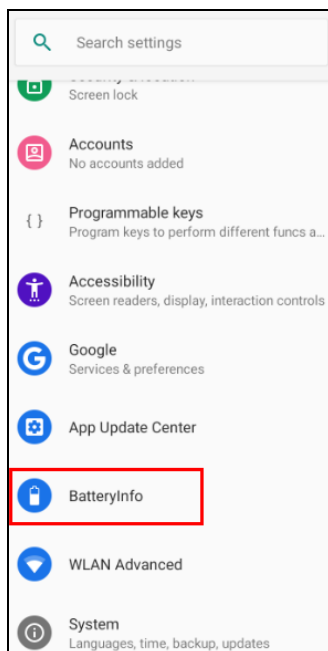
The PA760 provides **battery info** for users to check the battery status, history view and also set up users preferences.

1. On the main screen, scroll the screen from down to top to reach the APPS,



and tap **Settings** and then tap **BatteryInfo**.

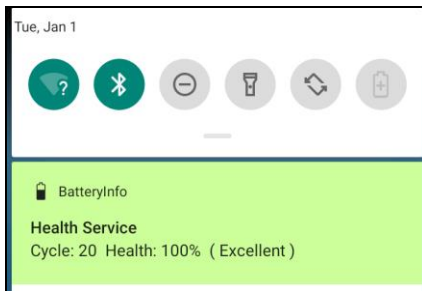
2. **BatteryInfo** shows the details of the battery use.



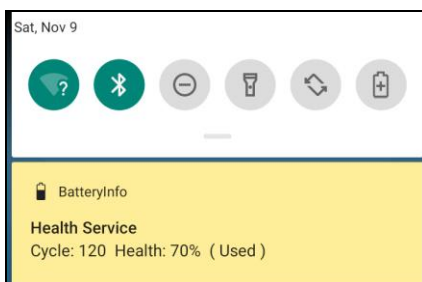
1.4.7 BatteryInfo Health Service

BatteryInfo health service information will display on both PA760 lock screen and the notification bar.

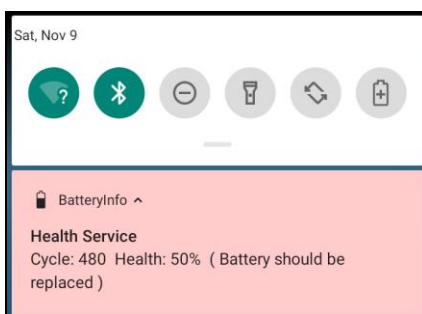
- When the battery health is higher than 80% :



- When the battery health is higher than 60%:



- When the battery health is lower than 60% : (Battery should be replaced)

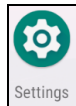


Note: If the battery is stored for the long term, it might result in accelerated battery health lower. Please try to charge and discharge your batteries several times and check the battery health is at a steady rate. If the battery health is still lower than 60%, the battery should be replaced.

1.4.8 How To Enable Dark Theme

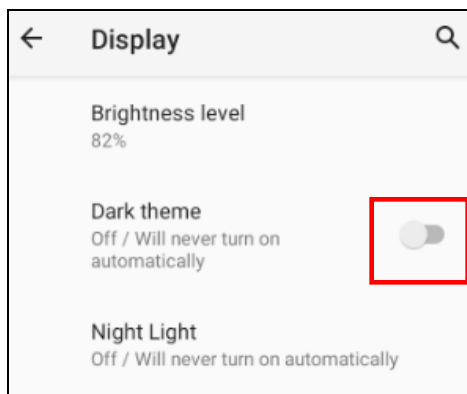
Dark mode is a feature that allows you to switch to the dark theme of an app or an entire desktop operating system.

1. On the main screen, scroll the screen from down to top to reach the APPS,

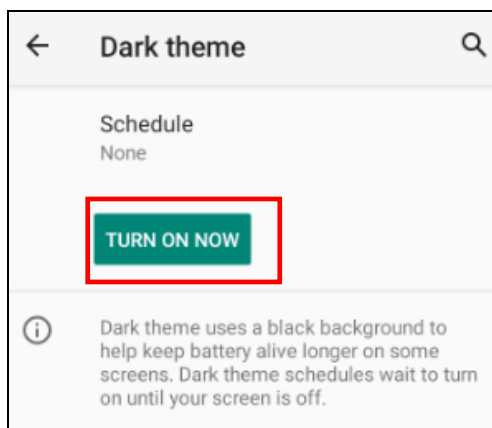


and tap **Settings** and then tap **Display**.

2. Tap **Dark theme** or tap the button on the right to enable the dark mode.



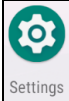
OR

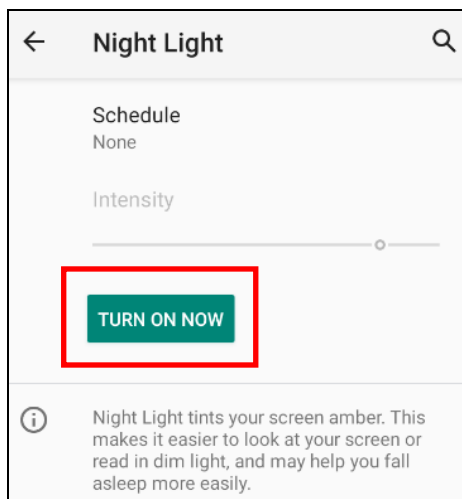
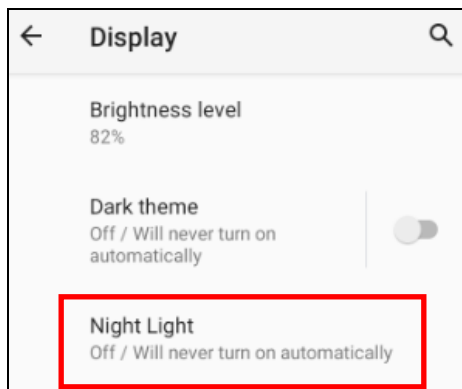


1.4.9 How To Enable Night Light

Night Light is a feature that allows you to activate night light in order to reduce your eyestrain.

On the main screen, scroll the screen from down to top to reach the APPS, and

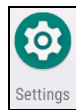
tap  **Settings** and then tap **Display**.



Chapter 2 – Installation & Operation

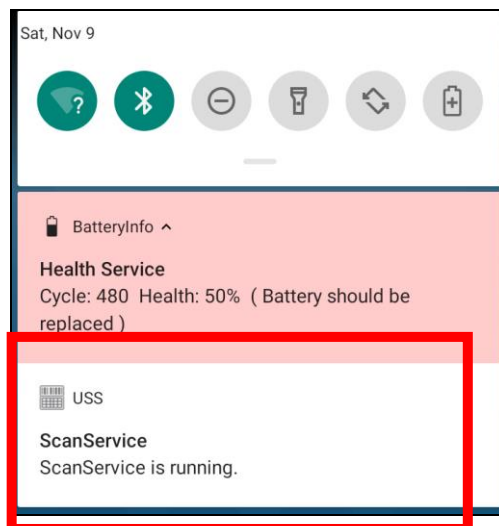
2.1 Barcode Setting

1. On the main screen, scroll the screen from down to top to reach the APPS,




and tap **Settings** and then tap **USS** (unitech scan service).

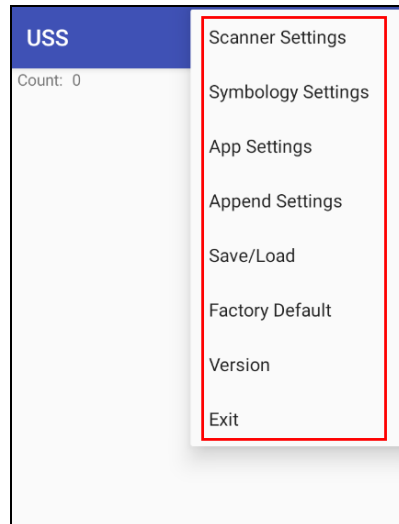
Or from the notification bar to tap USS (unitech scan service).



2. You are now enter the unitech scan service application.

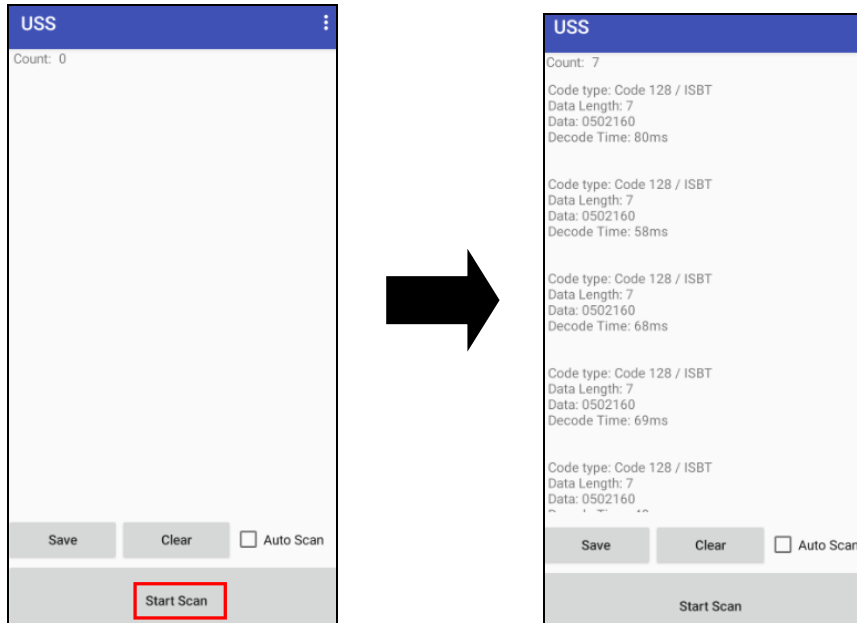
2.1.1 Settings

1. Please tap  on the screen to see all the settings of **USS**.



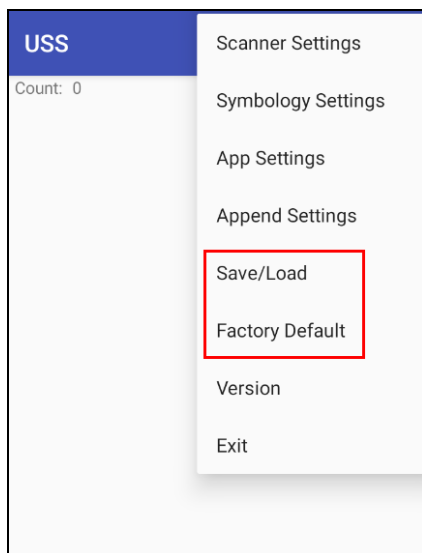
2.1.2 Barcode Scan

1. Please tap **Start Scan** to get ready for barcodes scan service.

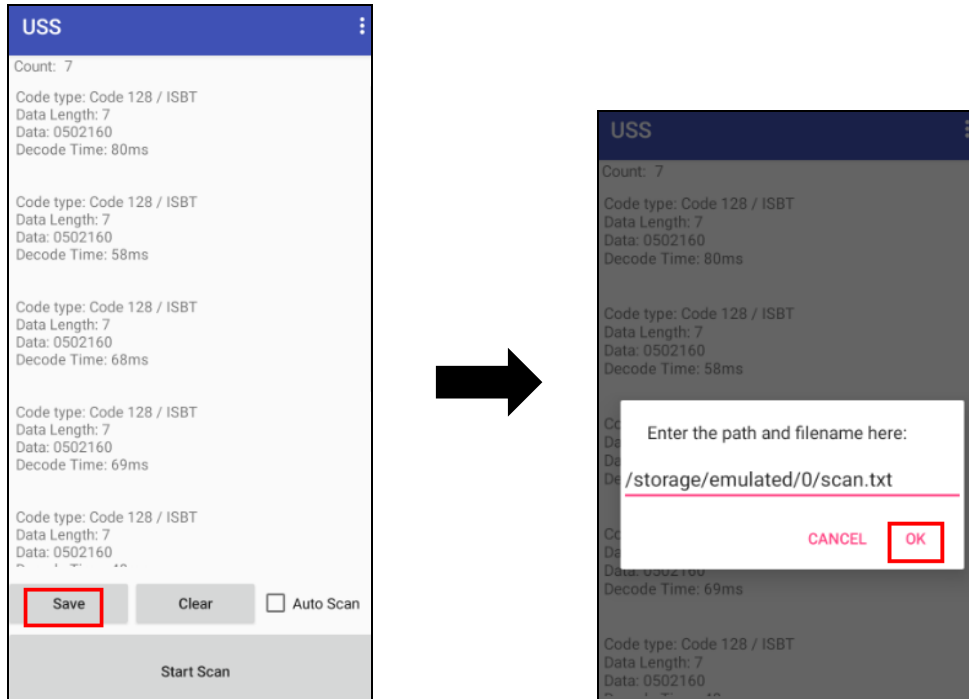


2. For **Save / Load Settings**, and **Factory Default**,

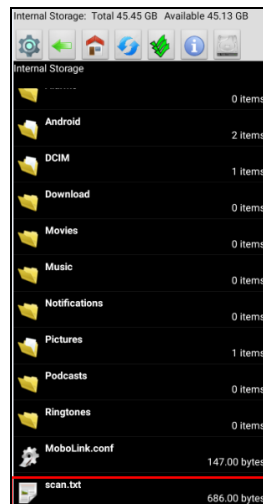
Please tap  and then tap **Save / Load Settings**, and **Factory Default**.



- To save settings, you can also tap **Save** on the screen and input path then tap **OK**.

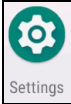


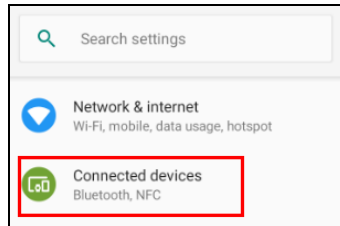
The saved data is stored in File Manager. (Please see [3.2 File Manager](#))



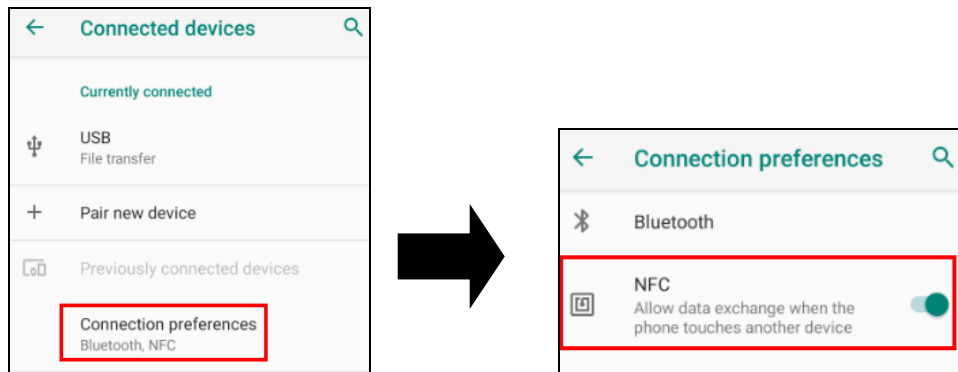
2.2 HF Setting

1. On the main screen, scroll the screen from down to top to reach the APPS,

and tap  **Settings** and then tap **Connected devices**.



2. Tap **Connection Preferences** to enable **NFC**



3. Make sure that both devices are unlocked and have NFC turned on. Also make sure that the NFC antenna area of PA760 and the other phone's NFC area are close to one another. Slightly moving the phones until a connection is made. Tap the screen.



2.3 UHF Setting

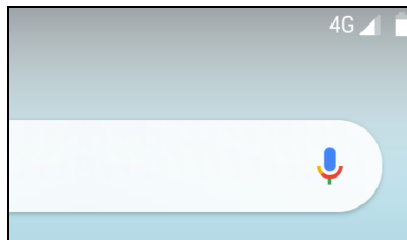
Current model is not available.

2.4 WWAN Setting

1. Turn off the terminal to insert the SIM card.

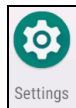
Note : • For the instruction, please refer to [1.4.5 Using the Micro SD/ Nano SIM Card](#).
• It only applies to the device which supports WWAN.

2. Turn on the terminal, 4G signal will show at the top of the screen.

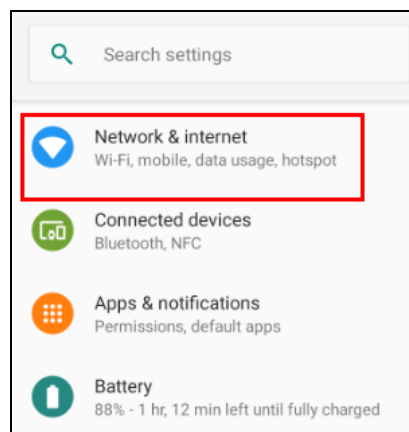


2.4.1 Mobile Network Settings

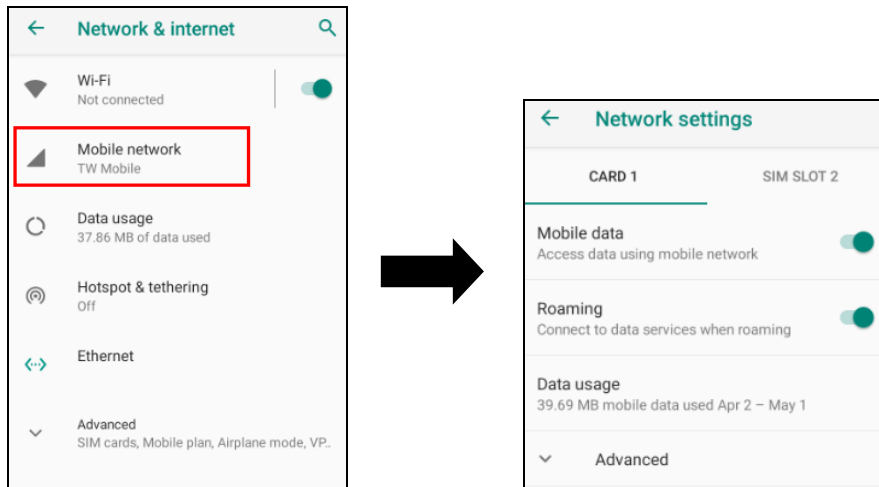
1. On the main screen, scroll the screen from down to top to reach the APPS,



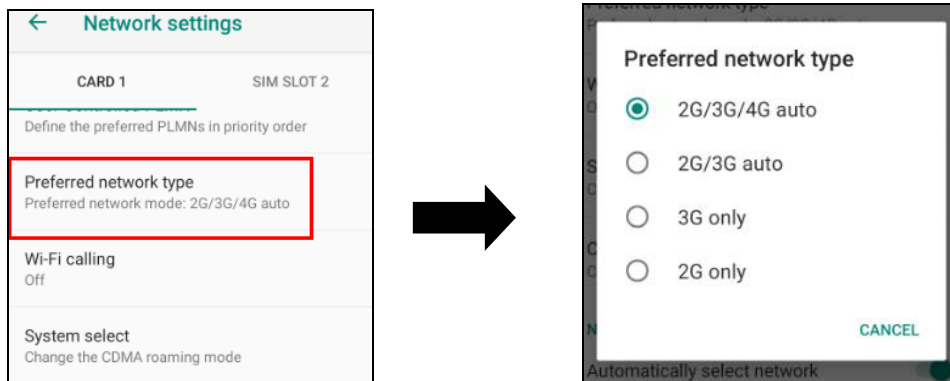
and tap **Settings** and then tap **Network & internet**.



2. Tap **Mobile network** for more network settings.

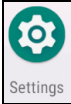


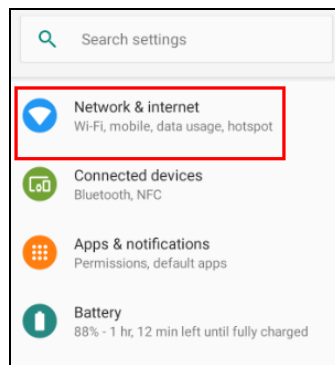
3. To choose different network type, please tap **Preferred network type**.



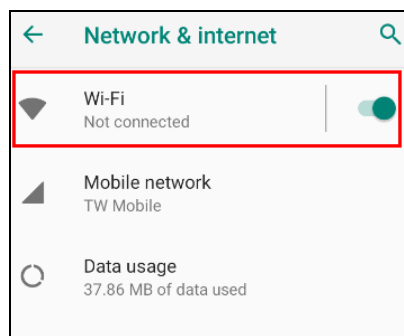
2.5 WLAN Setting

1. On the main screen, scroll the screen from down to top to reach the APPS,

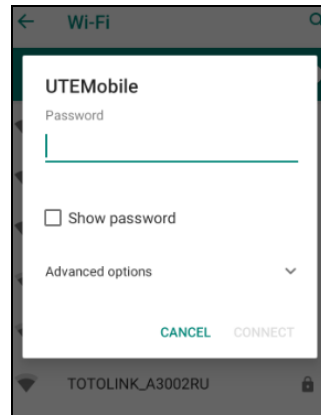
and tap  **Settings** and then tap **Network & internet**.




2. To see available networks, turn WLAN **ON**. And tap to choose the available networks.



3. Choose the available networks, and enter the Password and tap **Connect**.



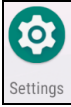
4. If the wireless network that you want is not listed, tap **+ Add network** to manually add it.
5. When enabled, the icon  is displayed on the status bar.

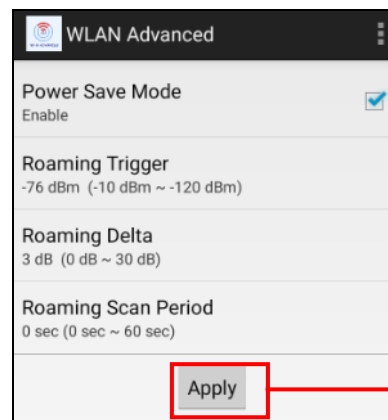
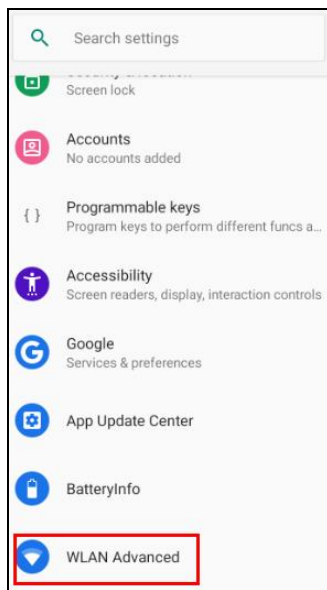
2.5.1 WLAN Advanced

WLAN advanced can enhance the roaming behavior when the device is in areas of particularly low coverage or losing its connection to the network infrastructure and provides the power save mode to control the power consumption setting.

WLAN advanced will help users to manage the seamless roaming.

1. On the main screen, scroll the screen from down to top to reach the APPS,

and tap  **Settings** and then tap **WLAN Advanced**.



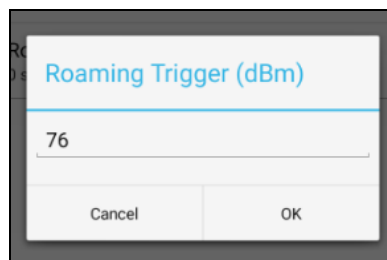
Always tap **“Apply”**
to finish the setting.

- **Power Save Mode**

Tap to enable the power save mode to set the WLAN module to its optimum power consumption setting.

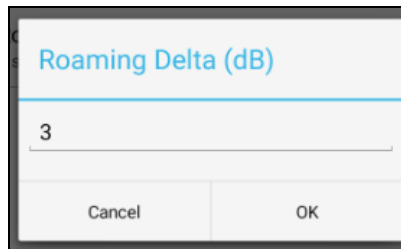
- **Roaming Trigger (Default : -78 dBm Range : -40 dBm ~ - 90 dBm)**

Roaming trigger will help users to look for a better and stronger signal strength (in dBm) by scanning many access points. When the signal strength is lower than roaming trigger value, roaming trigger will start to look for better access points.



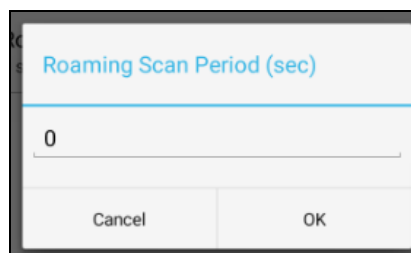
- **Roaming Delta (Default : 5 dBm Range : 5 dBm ~ 50 dBm)**

Based on roaming delta value, the device will roam to a better signal strength access point.




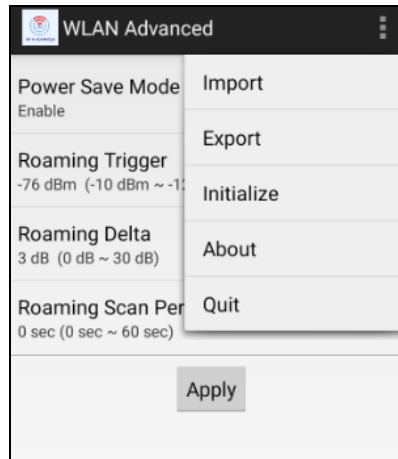
- **Roaming Scan Period (Default : 0 sec Range : 0 sec ~ 60 sec)**

The device will stay with the current AP based on the roam period value before it roams to a different AP.



2.5.1.1 Other options

Tap  for more options to import / export the current data from the device. **Initialize** is able to restore the default settings.

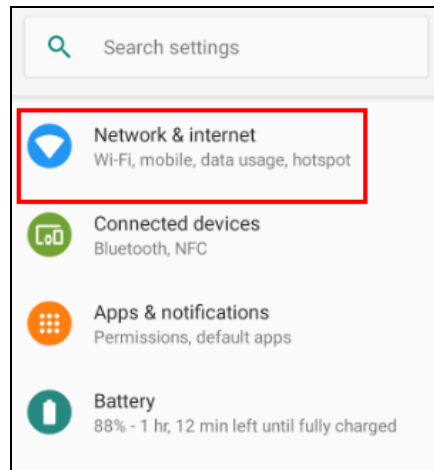


2.5.2 Share Wi-Fi

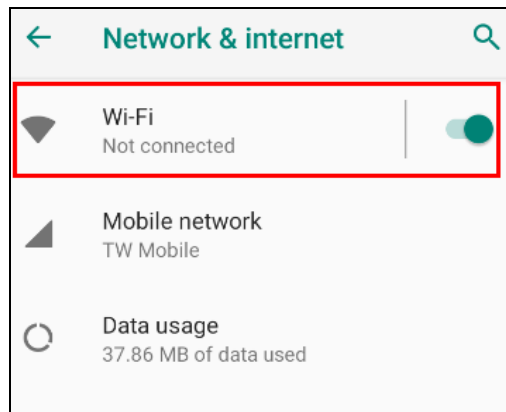
1. On the main screen, scroll the screen from down to top to reach the APPS,



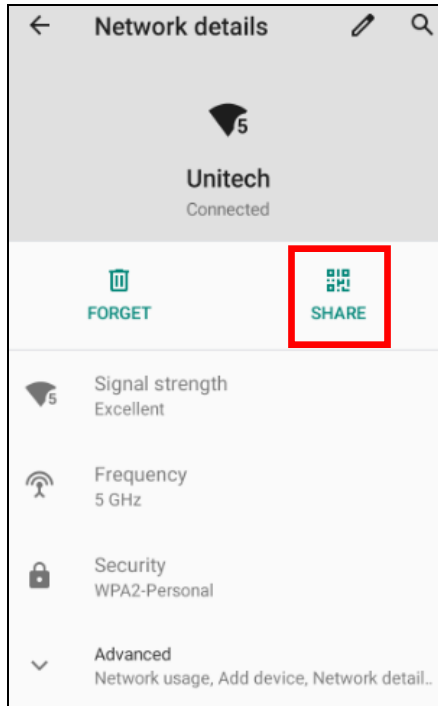
and then tap **Network & internet**.



2. To see available networks, turn **WLAN ON**. And tap to choose the available networks.

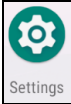


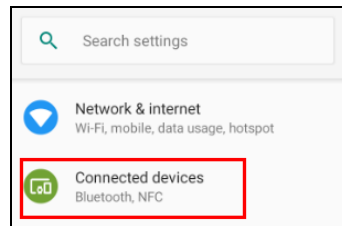
- When Wi Fi is connected, tap **“Share”** icon to show QR code.



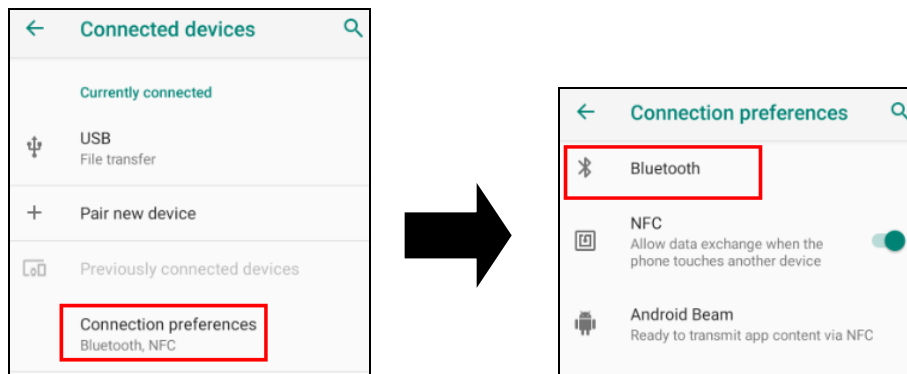
2.6 PAN Setting

1. On the main screen, scroll the screen from down to top to reach the APPS,

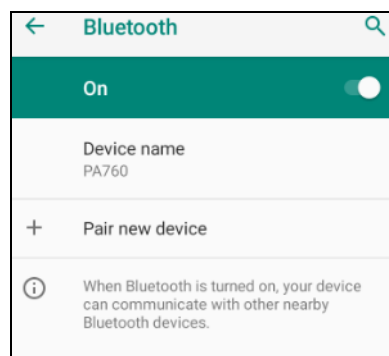
and tap  **Settings** and then tap **Connected devices**.



2. Tap **Connection Preferences** to enable **Bluetooth**

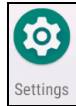


3. Tap **ON / OFF** to enable / disable Bluetooth® .
To pair the available device, turn Bluetooth® **ON** to choose the available device.



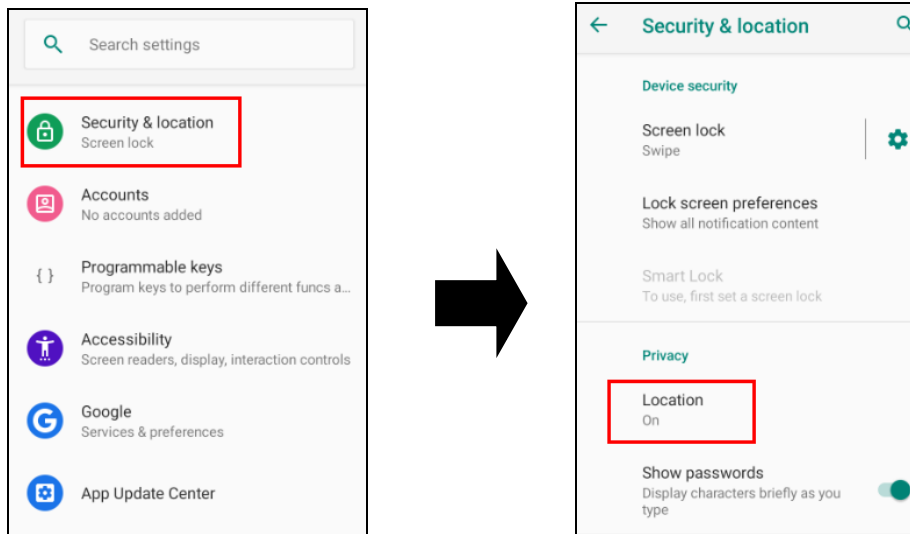
2.7 GPS Setting

1. On the main screen, scroll the screen from down to top to reach the APPS,

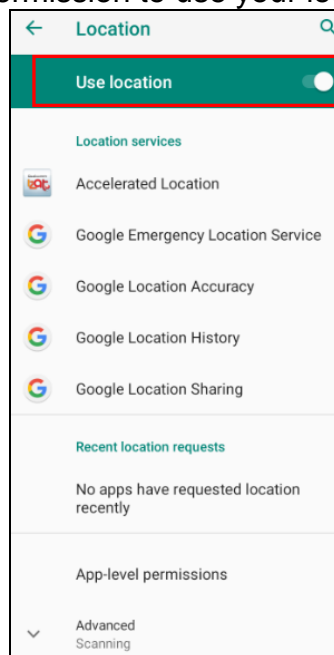


and tap **Settings** and then tap **Security & location**.

Tap **Location**.

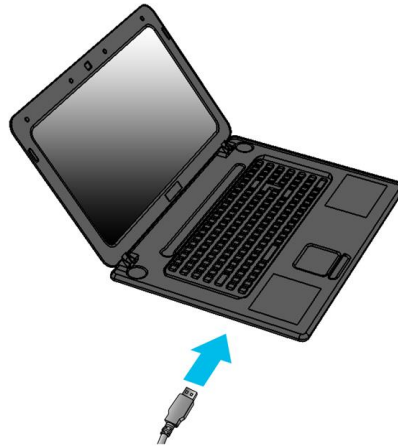


2. Tap **ON/OFF** for the permission to use your location information.

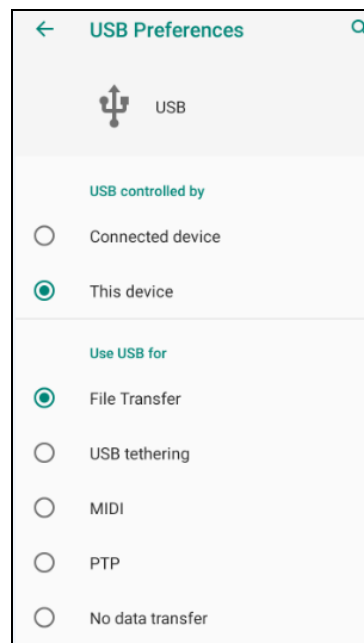


2.8 PC Setting


1. Connect PA760 to your computer with the USB type C cable. Your computer will recognize it is USB charging.



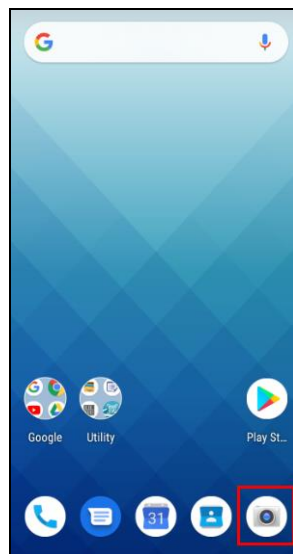
2. Slide down from top, the system will show as follow picture, then you can select File transfers.



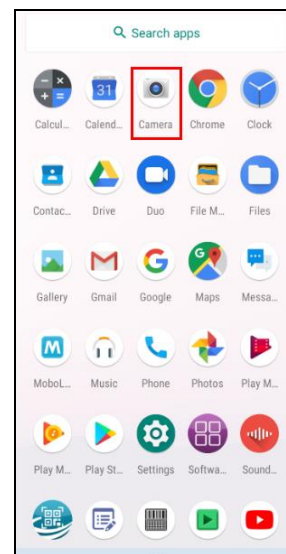
2.9 Camera Setting

1. Tap  **Camera** on the main screen.

Or scroll the screen from down to top to reach the APPS, and tap **Camera**.

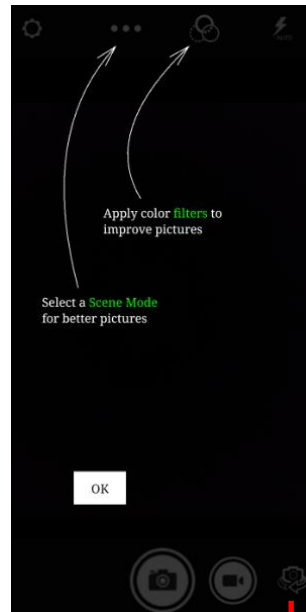


OR



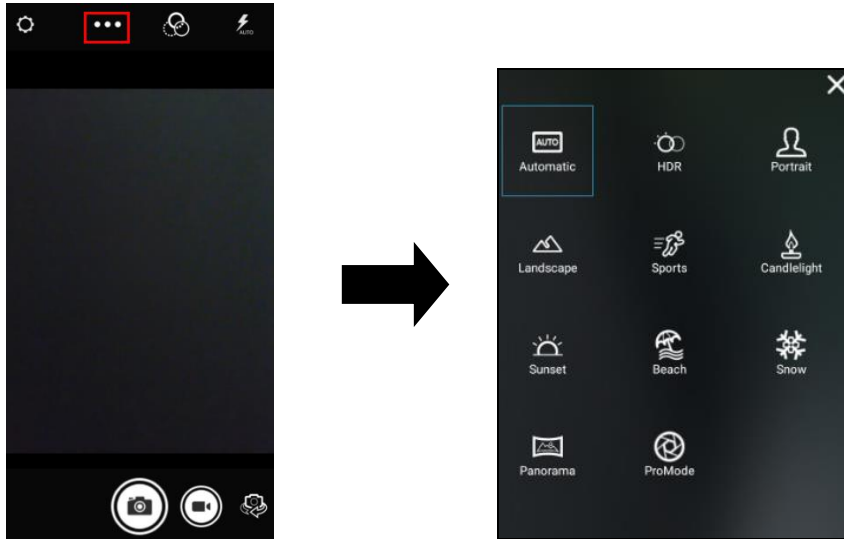
2.9.1 Camera Settings

For the first time turn on, the screen will show a brief introduction about camera settings.

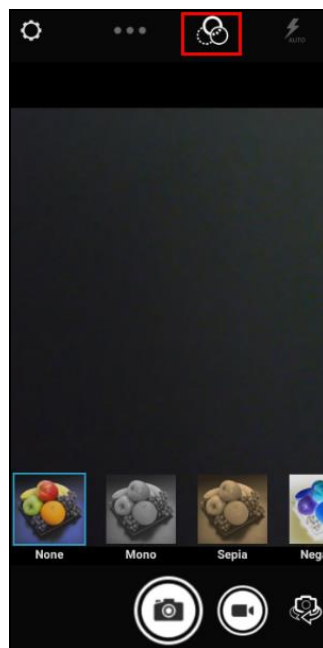


→ Camera switch

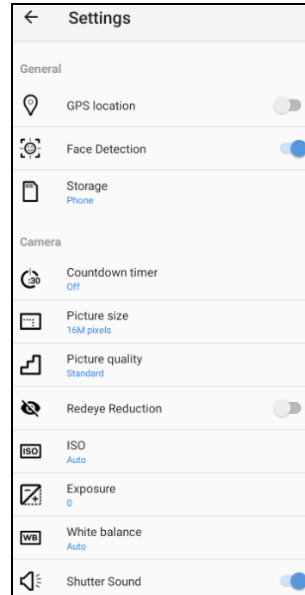
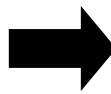
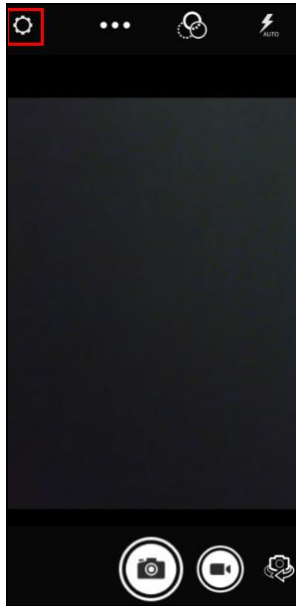
2.9.1.1 Scene Mode Setting



2.9.1.2 Camera filter effects

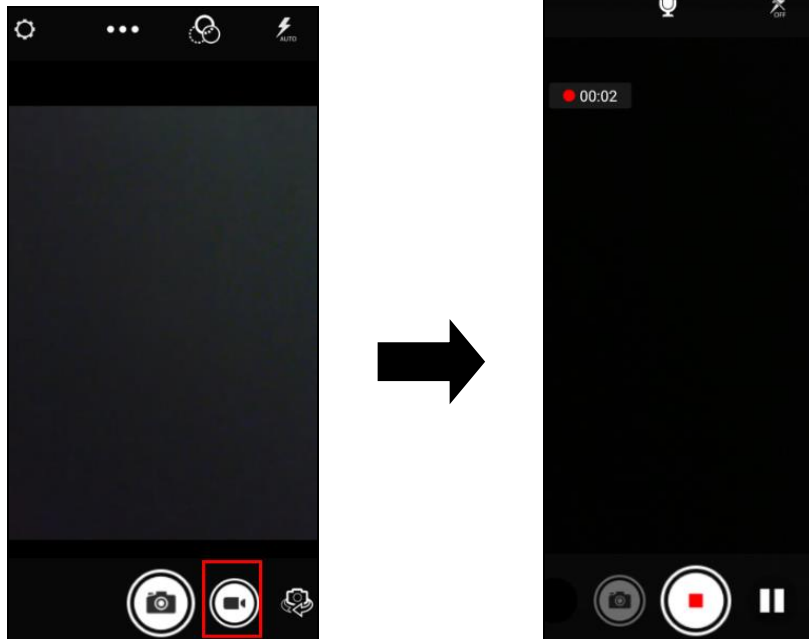


2.9.1.3 Settings



2.9.2 Record Videos

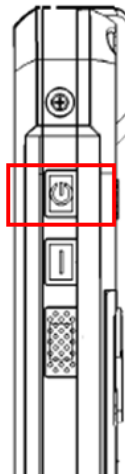
Once tap the record button, it will start recording.



2.10 Performing a Hardware Reset

You may have to perform a reset if the device freezes (i.e., the terminal no longer responds to the buttons or tapping on the screen).

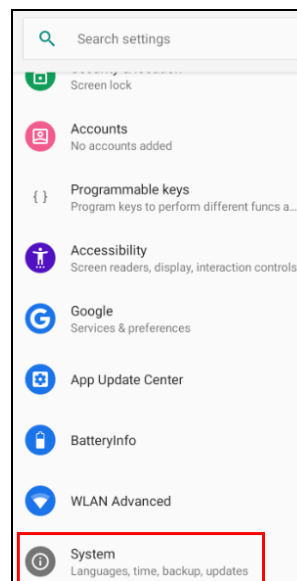
Long press and hold **Power button** around 10 seconds to restart the device.



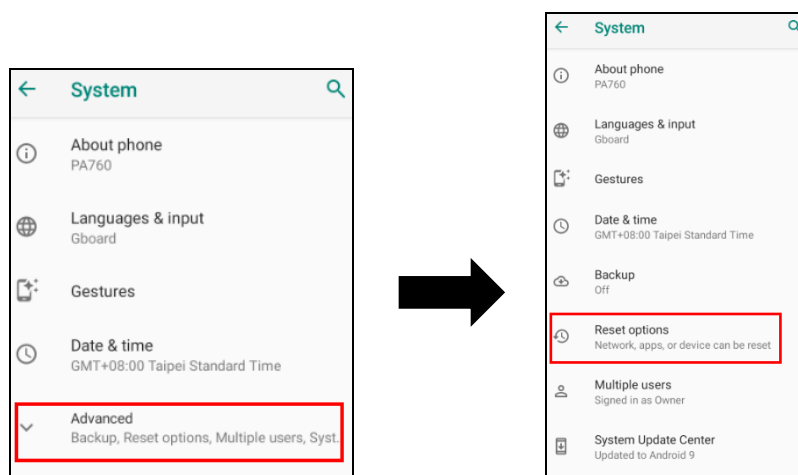
2.11 Performing Factory data reset

1. On the main screen, scroll the screen from down to top to reach the APPS,

and tap  **Settings** and then tap **System**.

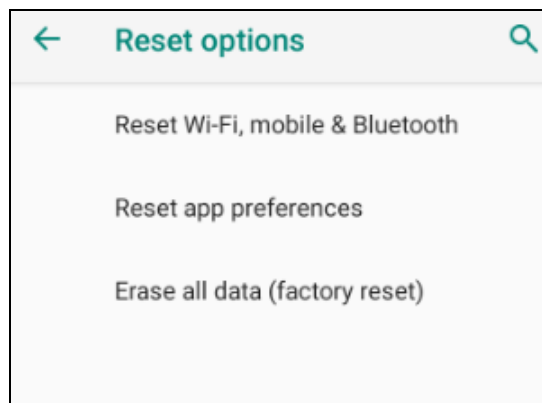


2. Tap **Advanced** for more options, and then tap **Reset options**.



3. You can reset the system on **Reset options**.

When you select **Erase all data (factory reset)**, it will erase all folders.

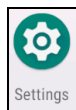


2.12 Programmable Keys

The PA760's keys can be programmed for users to be able to perform different functions or applications.

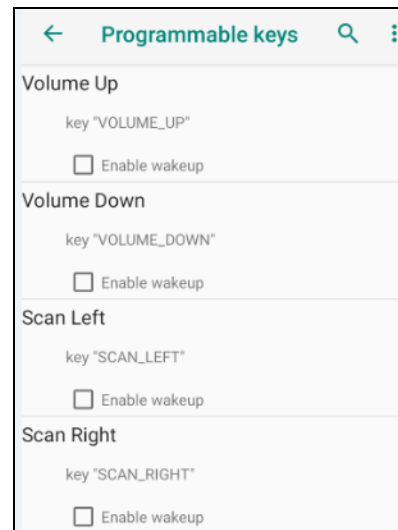
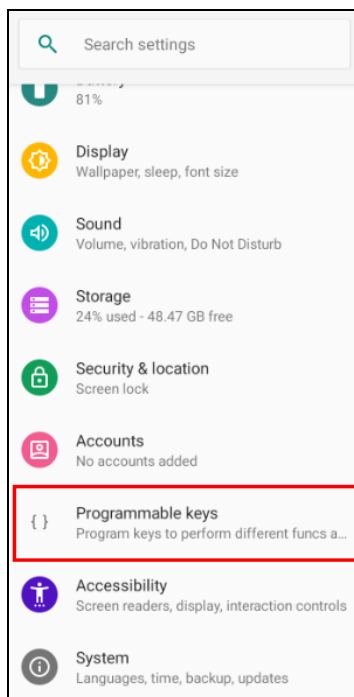
2.12.1 Programming a key

1. On the main screen, scroll the screen from down to top to reach the APPS,

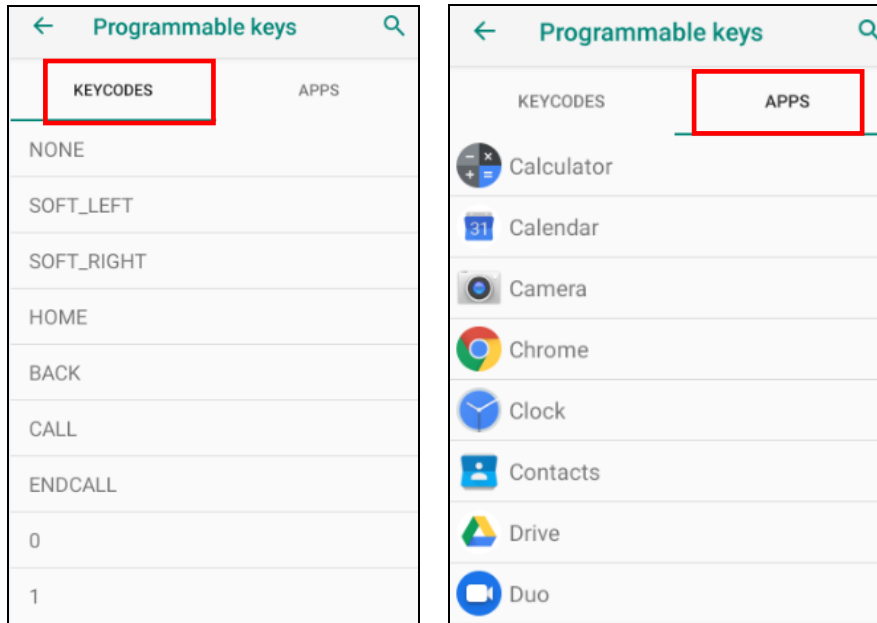


and tap **Settings**.

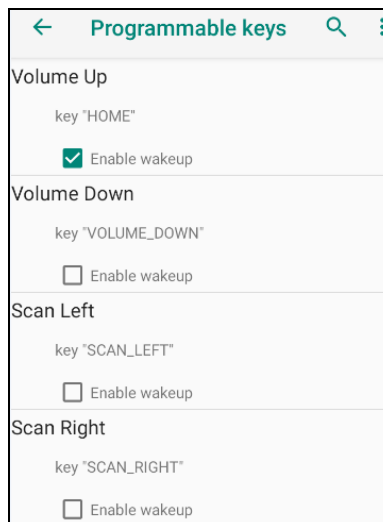
2. Tap **Programmable keys**, and select the keys to remap.



3. Tap one of **KEYCODES** or **APPS** that lists the available functions or applications and select one shortcut to map to the key.

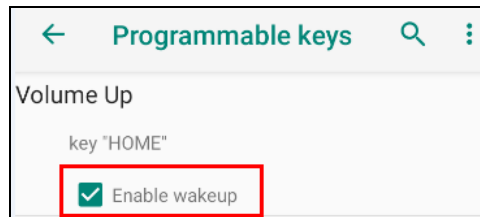


4. The key is successfully mapped to a key code.




2.12.2 Enable/ Disable wakeup

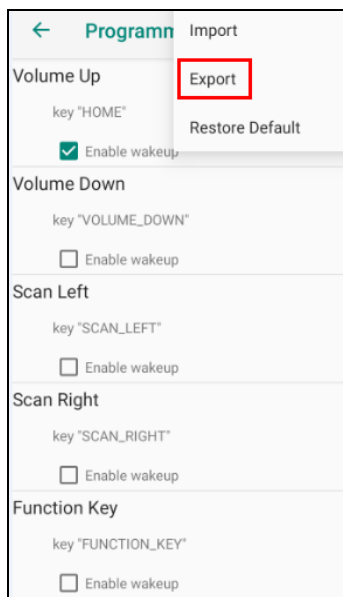
After the key is mapped to a key code, check the **Enable wakeup** checkbox to wake PA760 by pressing the programmable keys when PA760 is in sleep mode. **Note:** *This function only applies to KEYCODES.*



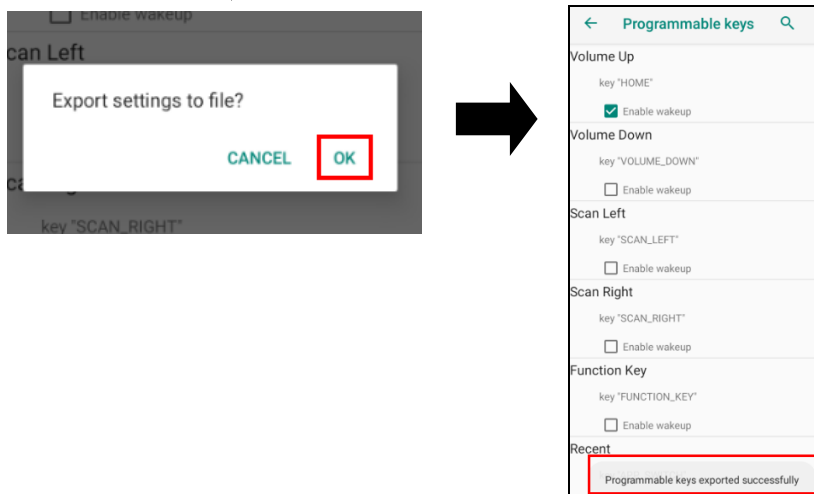
2.12.3 Export / Import a Programmable Key Configuration file

■ Export file

1. Tap 
2. Select **Export**



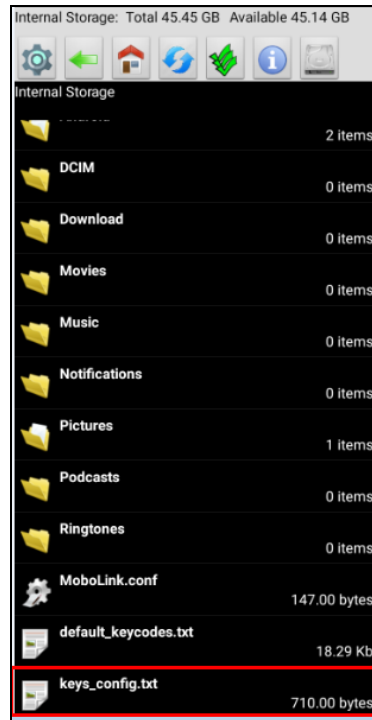
3. Tap **OK** → Programmable keys exported successfully



The Programmable Key configuration can be exported to a text file or imported into PA760.


Note: The configuration file (*keys_config.txt*) is saved in File Manager.

(For File Manager setting, please refer to [3.2 File Manager](#))

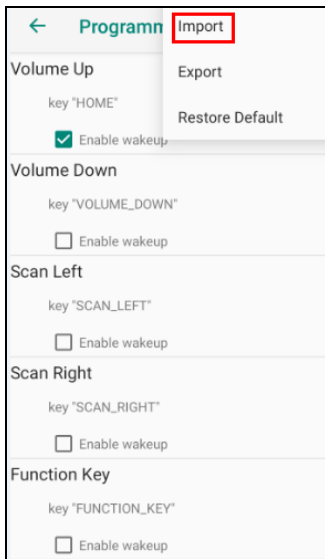



■ Import file

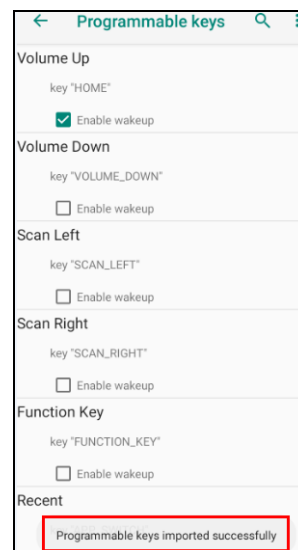
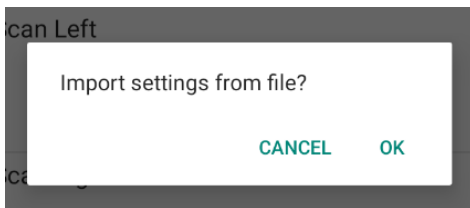
Before importing the file, please make sure the configuration file (keys_config.txt) is in File Manager.

1. Tap 

2. Select Import

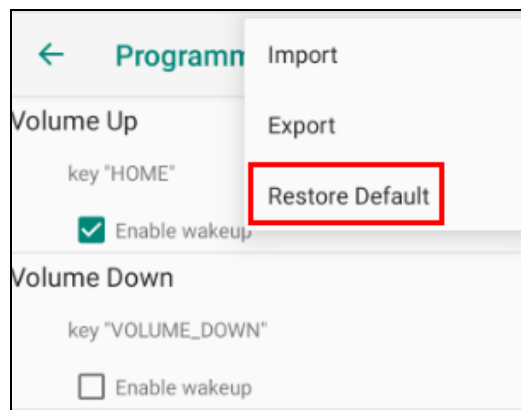


3. Tap **OK**  **Programmable keys imported successfully**
The new configuration will be applied immediately after import.



■ Reset default

1. Tap 
2. Select **Reset to default**



2.13 Battery Swap

Please follow the steps for the battery swap.

1. Long press power button until you see the pop up window and tap **Battery Swap**.



2. The LED indicator will start showing red light. **Please swap the battery after the LED red light goes off.** Please do not turn on PA760 during the battery swap.

Note: *When the battery level is extremely low (lower than 15 %), the terminal LED will start blinking red light constantly before and after the battery swap signal (the solid LED red light).*

3. When the battery swap is done, you can press the power button to wake PA760 again.

Note : *Please see [1.4.1 Installing the Battery](#) for more information.*

Caution: ■ *Do not press the power key during the battery swap, it will turn off the PA760.*

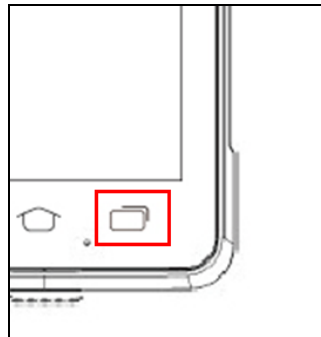
■ *If not finish the battery swap within 3 minutes, it will turn off the PA760.*

2.14 Split Screen

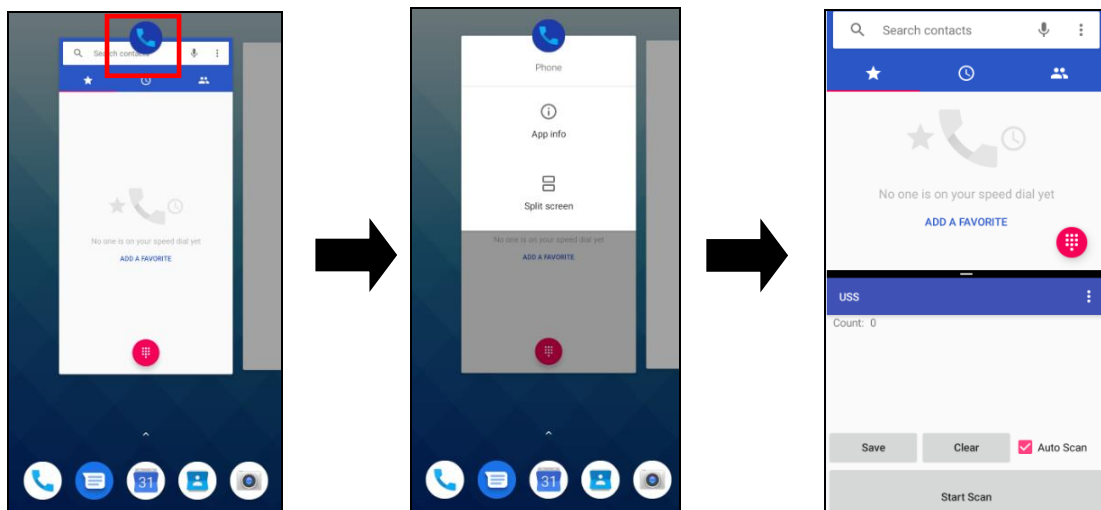
Split screen function allows you to have two apps work side by side on the same screen. Please follow the steps to enable split screen multitasking.

Note: Some apps may not work with split-screen.

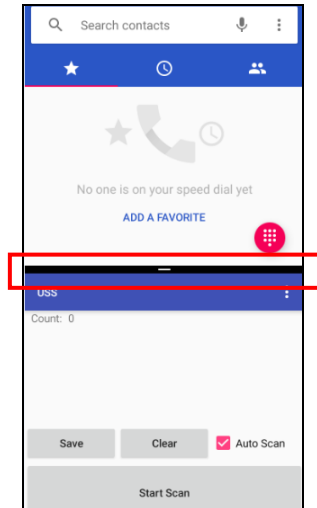
1. Tap **Background APP button** until you see those background apps on the screen.



2. Tap and hold the icon which appears above the APP thumbnail and then select "Split screen." First APP "Split screen" will be on top of the screen. For another APP to show on the bottom half of the screen, simply tap on the APP thumbnail.



3. To cancel split screen, simply drag up or down the black bar in the middle of the two APPs to expand the app that you would like to keep in full screen.



2.15 Network Time Protocol (NTP) Server

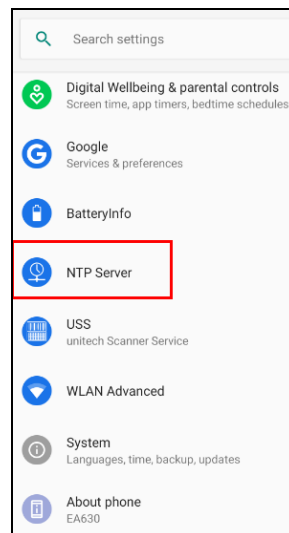
The Network Time Protocol is used to synchronize the clocks over the Internet. Allow the users to set the clock by using NTP Server.

1. On the main screen, scroll the screen from down to top to reach the APPS,

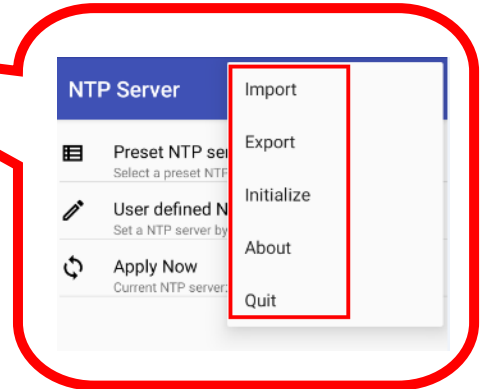
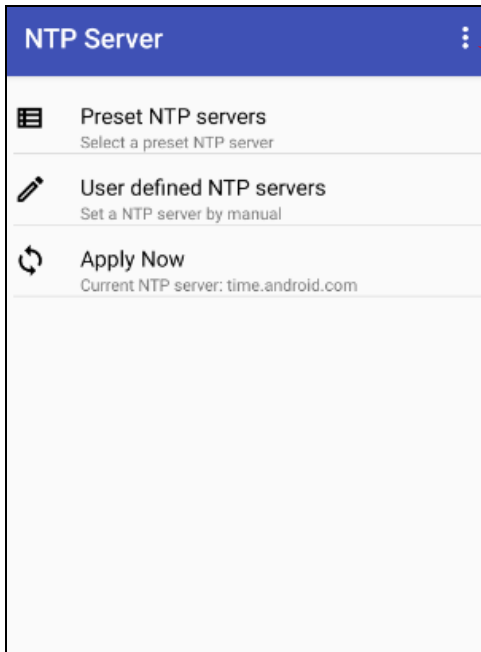


and tap **Settings** and then tap **NTP (Network Time Protocol)**

Server.



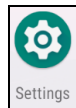
2. On NTP Server, please choose the system preferences to set up network time.



Chapter 3 – Introduction to Applications

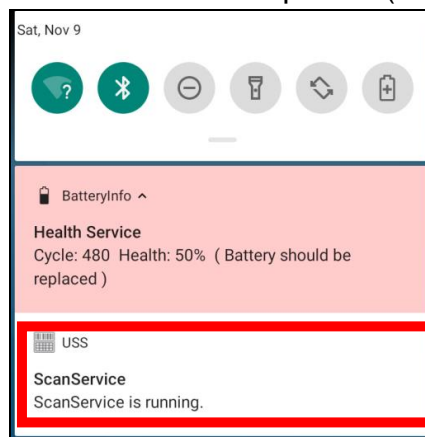
3.1 USS (unitech scan service)

1. On the main screen, scroll the screen from down to top to reach the APPS,



and tap **Settings** and then tap **USS** (unitech scan service).

Or from the notification bar to tap USS (unitech scan service).

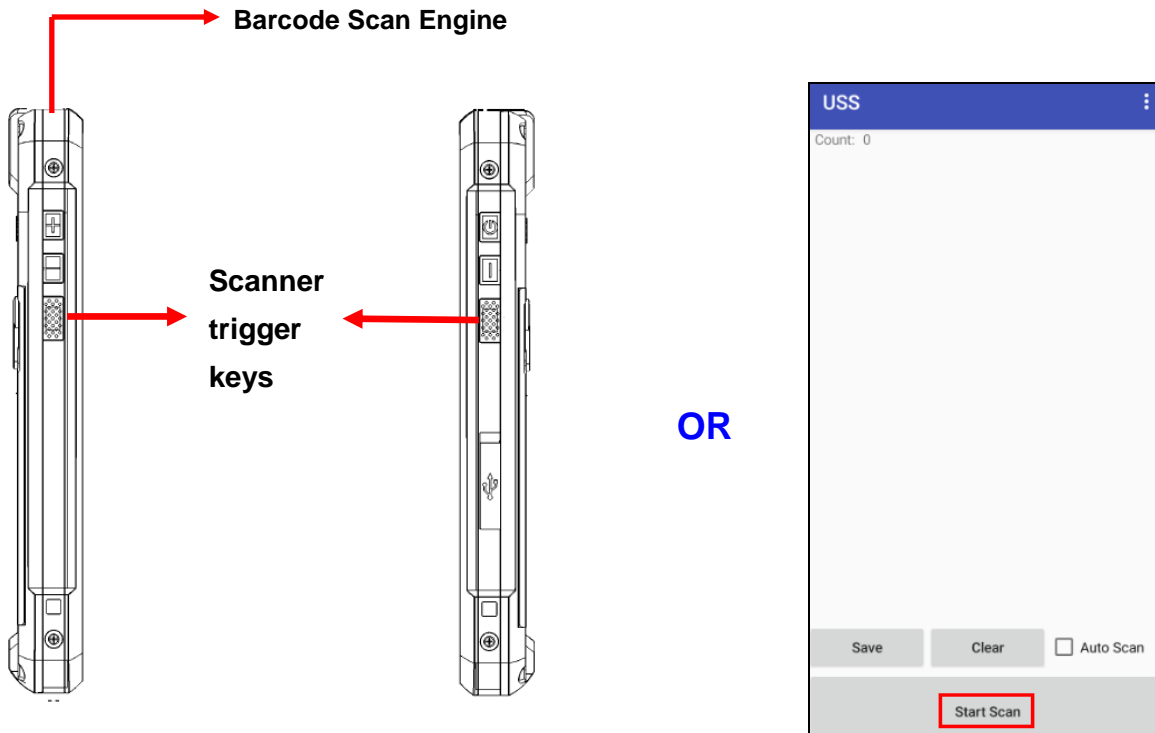


2. You are now enter the unitech scan service application.

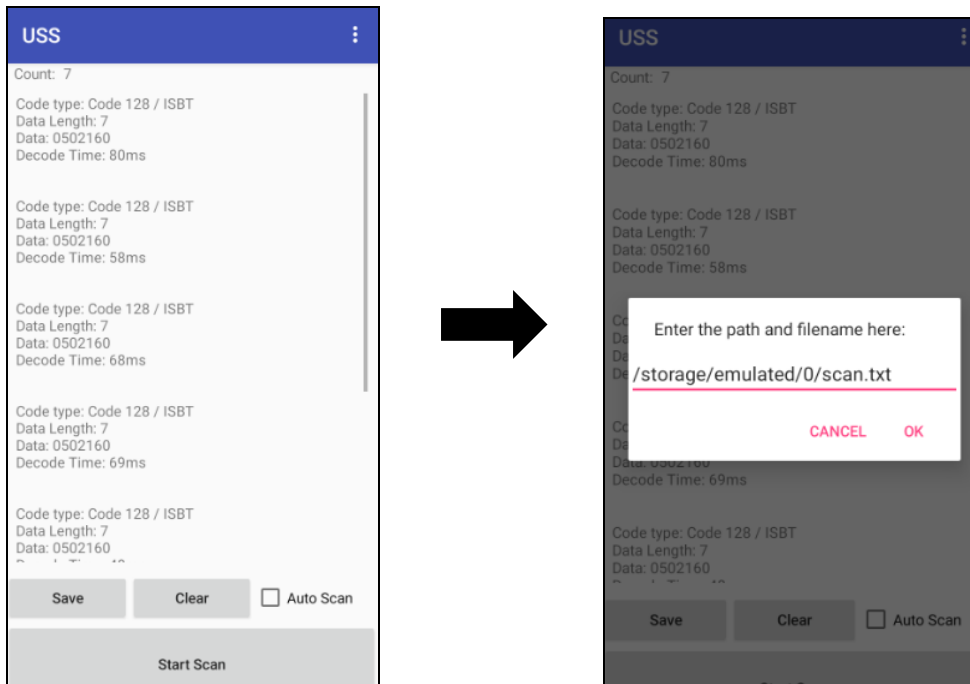
Note : For more Scan Service settings, please refer to [2.1 Barcode Setting](#).

3.1.1 How to scan


1. Aim the Barcode Scan Engine to the barcode and press one of two scan trigger keys or tap **Start Scan button**.

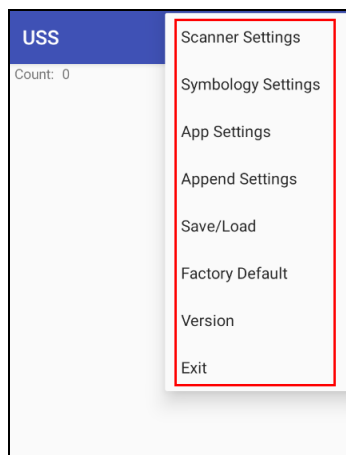


2. After scanning the barcodes, the barcode information is as shown below.
3. To save the scanned data, tap **Save** and enter the path and filename, then tap **OK**.




■ More Options

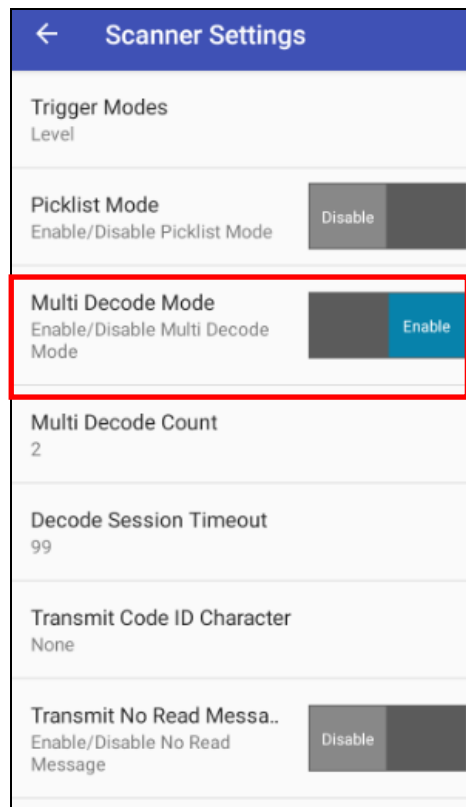
For more options and settings, please tap .



3.1.2 Multi Decode Scan Mode

Multi decode scan function allows users to scan multiple barcodes at once.


1. Tap  , Choose **Scanner Settings**
2. Enable **Multi Decode Mode**, and input the barcode decode count and start multi decode scan.

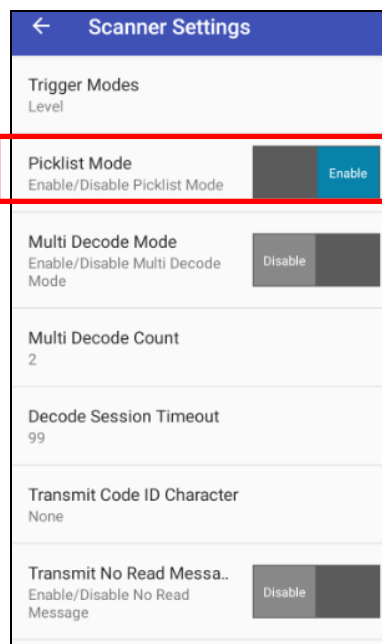


3.1.3 Picklist Mode

Picklist mode enables PA760 to decode only barcodes that are aligned under the laser crosshair or LED aiming dot.

For picklist mode demonstration, please click on our youtube channel for more information : https://www.youtube.com/watch?v=QjT2E6hxD_k

1. Tap  , Choose **Scanner Settings**
2. Enable **Picklist Mode**, and allows users to easily select and scan a single or specific barcode from a field of barcodes.



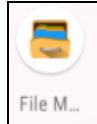
3.1.4 More information about USS

For more information about USS, please download the document from the below link:

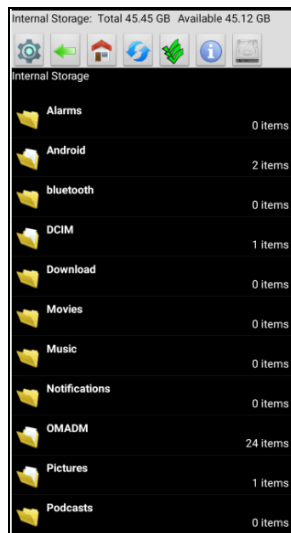
http://w3.tw.ute.com/pub/cs/manual/uss/USS-RA-1-MANUAL_en20210326.pdf

3.2 File Manager

1. On the main screen, scroll the screen from down to top to reach the APPS,



and tap **File Manager.**



: Settings



: Return to the previous page



: Main page



: Refresh



: Folder arrangement



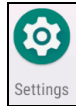
: Folder Information



: Flash Storage

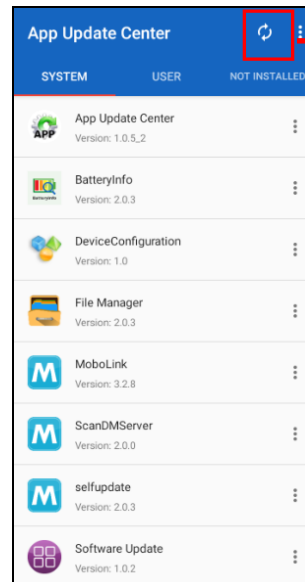
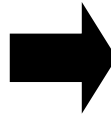
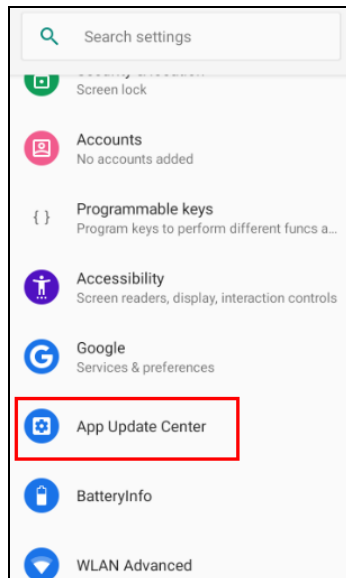
3.3 APP Update Center

1. On the main screen, scroll the screen from down to top to reach the APPS,

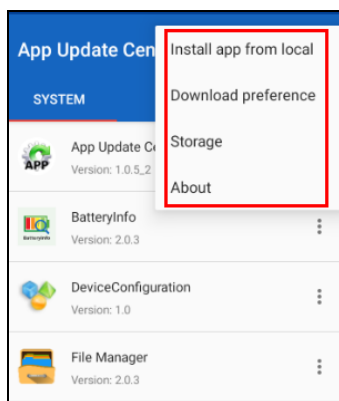


and tap **Settings** and then tap **App Update Center**.

2. To update or check the latest version of each application, you will need to do it manually.



3. Tap  for more settings on App Update Center.



3.4 StageGO

StageGO is a configuration staging solution for unitech mobile devices. StageGO helps IT admins to use the 1-click auto configure feature to set up and initialize a device quickly. Devices configure themselves by using configuration scripts and barcodes prepared by the IT admins, the StageGO app, currently available for Android devices, uses unitech devices' barcode scanning capabilities to load the script barcode into the device and start the self-configuration process.

- Using StageGO to configure a device is in 3 simple steps:

The diagram illustrates the three steps of using StageGO:

- Edit Script:** A screenshot of the web-based GUI showing a list of configuration scripts. Below it, a blue box states: "Use the Web-based GUI to edit and prepare the configurations of a device."
- Print Barcodes:** A screenshot showing a grid of QR codes generated from a script. Below it, a blue box states: "Generate barcodes from script editor, print and hand out the barcode sheets to the field users."
- Scan Barcodes:** A screenshot of the StageGO app interface on a mobile device, showing a 'Scan QR code by' button and a progress indicator. Below it, a blue box states: "Open StageGO app on the device, scan all the barcodes to begin automatic configuration of the device."

Step 1. Edit Script:

IT admins can prepare a configuration script by using StageGO's web-based script editor. The web-based script editor can be accessed by following this link: http://www.ute.com/utestagego/services_StageGO.php?rbu=0

Step 2. Print Barcodes:

Upon completion of editing a script, IT admins may either download the script file or to generate barcodes that represent the entire script. The script file or the barcode printouts can then be handed over to the device users for scanning.

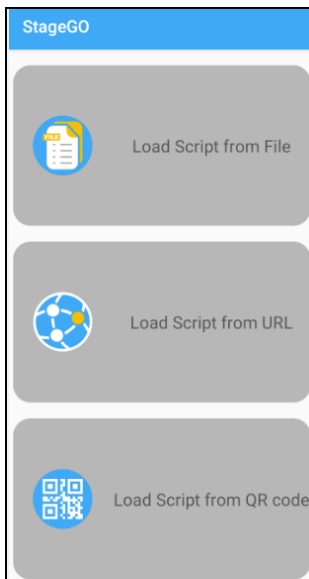
Step 3. Scan Barcodes:

When device users receive the barcode printouts (or the script file) from the IT admins, they can then run the StageGO app on their PA760, scan all the

barcodes on the printouts (or load the script file). When all barcodes are scanned, StageGO is ready to begin self-configuration. StageGO can also be configured for 1-click auto configuration. On the main screen, scroll the screen



from down to top to reach the APPS, and tap **StageGO**.



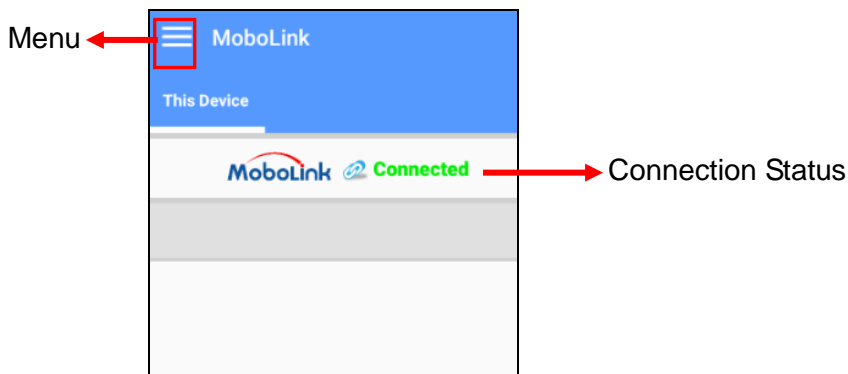
3.5 MoboLink


MoboLink is a software platform that helps unitech customers to remote manage their purchased devices and applications. The core of the MoboLink platform provides functionalities in the MDM (Mobile Device Management) and MAM (Mobile Application Management) domains, and then further extends into other management functions such as alert notification management and account management.

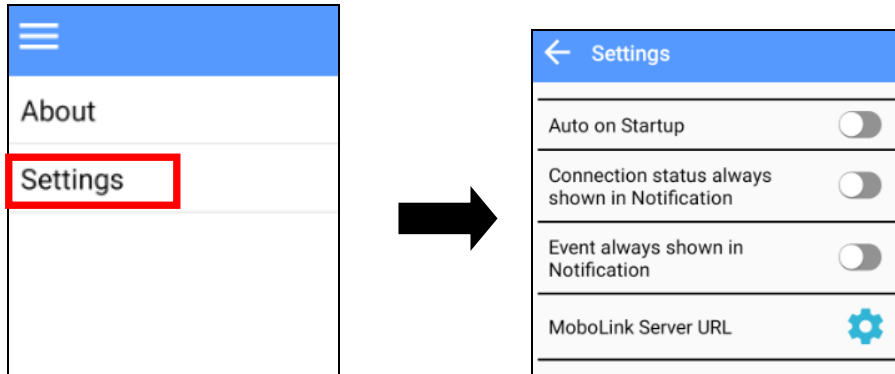
1. On the main screen, scroll the screen from down to top to reach the APPS,

and tap  **MoboLink**.

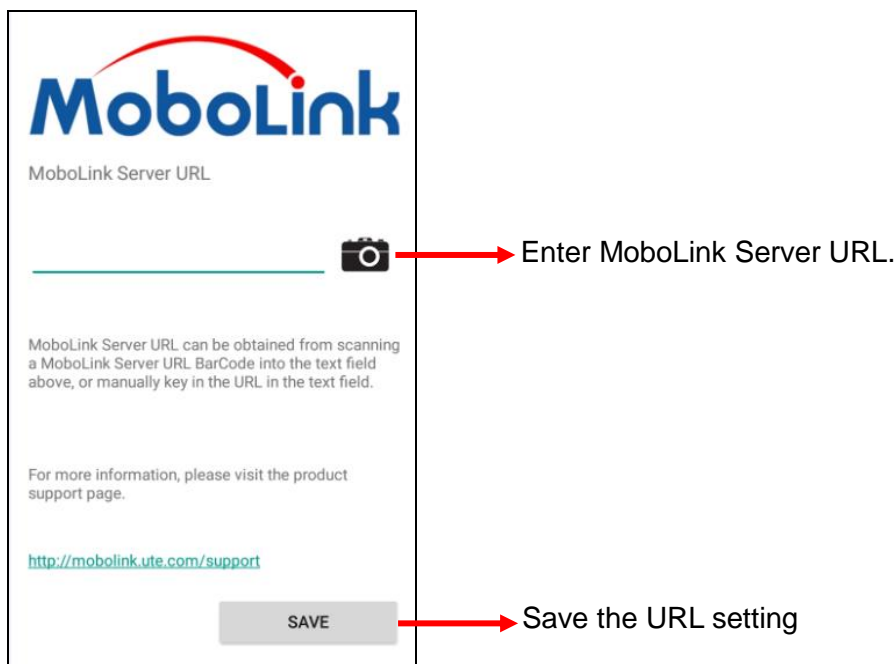
2. **MoboLink** setting is as shown below :



3. Tap  , go to Settings.



4. In the Settings section, go to **MoboLink Server URL** to setup MoboLink server URL.



3.5.1 More about MoboLink

For detailed operation, solution and usage, please refer to **MoboLink** user's guide. (<http://mobolink.tw.ute.com/support>)