Rugged Handheld Terminal

- HT330 -

User Manual

Version 1.8

Revision History

Date	Change Description	Version
20220706	First Published Version	1.0
20230215	Add 1.4.7 Soft Keypad Instruction	1.1
20231006	Update Battery Notice (charge to around 50%)	1.2
20240409	Delete UHF Description	1.3
20240618	Add Charging Limit Function	1.4
20240815	Update Relevant Battery Information	1.5
20241217	Update CE Compliance	1.6
20250714	Add Privacy Policy	1.7
20251104	Update the Specification	1.8

Preface

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.

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–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

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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.

In accordance with Directive 2022/2380 of the European Union, we hereby provide specific information regarding the charging capabilities and compatible devices for the CE USB-C Adapter. This notice aims to offer essential details to purchasers for informed use and compliance with the outlined safety and performance standards.

For reference to the detailed charging power specifications applicable to each device model, please find the link to consult our cloud-based table or scan the QR code provided below.

For detailed information on charging power specifications:
Unitech Products USB-C Charging Power Specification Overview

CE Mark Warning

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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

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Taiwan NCC Warning Statement

低功率射頻器材技術規範

取得審驗證明之低功率射頻器材，非經核准，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。低功率射頻器材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。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須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。應避免影響附近雷達系統之操作。高增益指向性天線只得應用於固定式點對點系統。

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。

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.

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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.

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Battery Notice

Performance and Replacement

- For optimal performance, it is recommended to replace rechargeable batteries annually or after 500 charging cycles.
- It's normal for the battery to swell or expand slightly after a year or 500 cycles. This doesn't cause damage but indicates the battery should be replaced and disposed of properly according to local regulations.
- If battery performance drops by more than 20%, it has reached its end of life and should be replaced and disposed of properly.

Battery Life and Conservation

- Battery life depends on the battery type and device usage.
- Avoid fully discharging the battery as this puts stress on it. Several partial charges are better than one full discharge.
- Do NOT expose the battery or device to high temperatures for extended periods, such as in a parked car on a hot day or under direct sunlight. High temperatures can damage the battery. Keep the device within acceptable operating temperatures (refer to the specifications).
- For long-term storage, charge the battery to at least 50% every six months. Leaving the battery uncharged for extended periods will reduce its lifespan.
- If the battery cannot be charged after a long idle period and starts to heat up, do not attempt to charge it. It may be damaged.

Important Cautions

- **Use original batteries only from Unitech.** Using third-party batteries can damage the device and void the warranty.
- **Risk of explosion if the battery is replaced incorrectly.** Dispose of used batteries according to instructions.
- RISK OF EXPLOSION IF BATTERY IS REPLACED INCORRECTLY. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

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- 電池若未正確更換，可能會爆炸。請用原廠建議之同款或同等級的電池來更換，請依原廠指示處理廢電池。
- 请依制造商说明书处理用过之电池，如果更换不正确之电池行事会有爆炸的风险，请依制造商说明书处理用过之电池。

Charging

- Consider temperature when charging. Charging is most efficient at room temperature or slightly cooler.
- Charge batteries within the specified range of 0°C to 40°C (32°F to 104°F). Charging outside this range can damage the battery and shorten its lifespan.
- **Do not charge batteries below 0°C.** This is dangerous and can make the batteries unstable. Use a battery temperature detecting device to ensure safe charging temperatures.

Maintenance and Safety

- Keep all connectors free of contaminants like dust, grease, mud, and water to ensure proper device operation. Neglecting this can cause communication issues, short circuits, or overheating.
- **To clean the battery connectors:**
  - Remove the main battery from the mobile computer.
  - Dip the cotton part of a cotton-tipped applicator in isopropyl alcohol.
  - Gently rub the cotton part of the applicator back and forth across the connectors on both the battery and the device to remove any grease or dirt. Ensure no cotton residue is left on the connectors.
  - Repeat this process at least three times.
  - Use a dry cotton-tipped applicator and repeat steps 3 and 4.
  - Inspect the area for any remaining grease or dirt and repeat the cleaning if needed.
- **To clean the cradle connectors:**
  - Disconnect the DC power cable from the cradle.
  - Dip the cotton part of a cotton-tipped applicator in isopropyl alcohol.

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- Rub the cotton part of the applicator along the pins of the connector, moving it back and forth gently from one side to the other. Do not leave any cotton residue on the connector
- Rub all sides of the connector with the applicator
- Remove any lint left by the applicator
- If there is grease or dirt on other areas of the cradle, use a lint-free cloth and alcohol to clean them
- Allow the alcohol to air dry for at least 10 to 30 minutes (depending on the ambient temperature and humidity) before powering on the cradle

CAUTION! *If you clean the battery or cradle connectors with bleach-based chemicals, follow the instructions above to remove any bleach residue from the connectors.*

- If a connector is damaged, have it repaired before using the device to avoid short circuits.
- While charged batteries can be left unused for several months, their capacity may decrease due to internal resistance buildup. They may need recharging before use.
- Store batteries at temperatures between -20°C to 60°C. Higher temperatures can cause faster depletion. Room temperature storage is recommended.
- The above storage information applies only to removable batteries. For devices with non-removable batteries, refer to the product specifications.

Battery Safety Guidelines

- Charge the device in a clean area, away from debris, flammable materials, or chemicals. Take extra care when charging in non-commercial environments.
- Improper battery use can lead to fire, explosion, or other hazards.
- Do not disassemble, open, crush, bend, deform, puncture, or shred the battery.
- Dropping the device can cause the battery to overheat.
- Do not short-circuit the battery or allow metal or conductive objects to touch the battery terminals.
- Do not modify the battery, insert foreign objects, expose it to water or other liquids, or expose it to fire, explosion, or other hazards.
- Do not leave or store the device in hot areas, like parked cars or near heat sources. Do not put the battery in a microwave or dryer.

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- Supervise battery usage by children.
- If swallowed, seek medical advice immediately.
- In case of leakage, avoid contact with skin and eyes. If contact occurs, flush the affected area with water for 15 minutes and seek medical advice.
- If you suspect damage to the equipment or battery, contact your service provider for inspection.

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.*

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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)

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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:

Taipei, Taiwan – Headquarters	Europe
Tel: +886-2-89121122 **E-mail:** info@hq.ute.com **Address:** 5F, No. 136, Lane 235, Baoqiao Road, Xindian District, New Taipei City 231, Taiwan (R.O.C.) **Website:** http://www.ute.com	**Tel:** +31-13-4609292 **E-mail:** info@eu.ute.com **Address:** Kapitein Hatterasstraat 19, 5015 BB, Tilburg, the Netherlands **Website:** http://eu.ute.com
China	**Japan**
Tel: +86-59-2310-9966 **E-mail:** info@cn.ute.com **Address:** Room401C, 4F, RIHUA International Mansion, Xinfeng 3nd Road, Huoju Hi-tech District, Xiamen, Fujan , China **Website:** http://cn.ute.com	**Tel:** +81-3-62310896 **E-mail:** info@jp.ute.com **Address:** Tosei Building 3F.,18-10 Nihonbashi-Hakozakicho, Cyuouku, Tokyo, 103-0015, Japan **Website:** http://jp.ute.com
Asia & Pacific / Middle East	**Latin America**
Tel: +886-2-27911556 **E-mail:** info@apac.ute.com info@india.ute.com info@mideast.ute.com **Address:** 4F., No. 236, ShinHu 2nd Rd., NeiHu Chiu, 114, Taipei,Taiwan **Website:** http://apac.ute.com / http://mideast.ute.com	**Tel:** +52-55-5171-0528 **E-mail:** info@latin.ute.com **Address:** 17171 Park Row, Suite 210 Houston, TX 77084USA (Rep.) **Website:** http://latin.ute.com
North America	**Please scan QR Code to visit us :**
Tel: +1-714-8916400 **E-mail:** info@us.ute.com / info@can.ute.com **Address:** 6182 Katella Ave, Cypress, CA 90630, USA **Website:** http://us.ute.com	

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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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Privacy Policy

This policy is developed in accordance with EN 18031 and the GDPR and applies to all Unitech products and services, including but not limited to rugged mobile devices, barcode scanners, mobile applications, and backend platform systems. Unitech respects your privacy and is committed to processing personal data in accordance with the principles of lawfulness, fairness, transparency, and data minimization.

Data Controller

Company Name: Unitech Electronics Co., LTD

Address: 8F, No. 122, Ln. 235, Baoqiao Rd., Xindian Dist., New Taipei City 231, Taiwan

Email: info@hq.ute.com

Website: https://www.ute.com

A. Lawful Basis of Processing

We collect and process your personal data only when there is a lawful basis to do so. These bases include:

1. To fulfill contractual obligations (e.g., account registration, device activation, after-sales support)
2. To comply with legal obligations (e.g., tax compliance, security incident reporting)
3. Based on your explicit consent (e.g., enabling location or integrating with third-party platforms)
4. To pursue legitimate interests of Unitech or third parties (e.g., abuse detection, service security)

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B. Categories of Personal Data Collected

We may collect your information through:

1. Information you voluntarily provide (e.g., repair requests, registration, technical support)
2. Data automatically generated during your use of our products or services
3. Information lawfully obtained from authorized third parties

Types of data include:

- Device Information: such as serial number, IMEI, MAC address, OS, and model name
- Application and Log Data: including installed application lists, usage records, error logs, and crash reports
- Operational Data: such as scanned barcode content, photos, GPS information, Wi-Fi or mobile IP address, and usage timestamps
- Account Data: including system login username and email address (as configured by authorization)
- Biometric Data: such as facial or fingerprint recognition (stored locally on the device and not uploaded)
- Location Information: GPS, Wi-Fi, or cell tower data collected when location services are enabled
- Configuration Parameters: system and application settings stored locally or on cloud service servers
- Mobile Network Information: such as ICCID, IMSI, carrier name, mobile network type, SIM slot usage, and phone number (if available). This data is primarily used for mobile communication features, device identification, and diagnostic analysis

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C. Use of Personal Data

When you use our products or services, we may process your personal data for the following purposes:

1. Providing core product functions, such as login, barcode scanning, data synchronization, and location services
2. Assisting with account registration, preference settings, and device activation
3. Delivering system notifications and update alerts (e.g., firmware upgrades)
4. Analyzing error data for device diagnostics and maintenance support
5. Integrating third-party enterprise management platforms (e.g., MDM or cloud systems), based on your consent
6. Enabling security authentication and device identification
7. Enhancing the overall user experience and optimizing our products and services, including statistical analysis and usage trend research

Unitech does not use your personal data for targeted advertising or profiling, nor do we sell your data to any third parties.

D. Delegated Processing, Sharing, Transfers, and Disclosures of Personal Data

We may process or share your personal data under the following circumstances:

1. Delegated Processing: We may engage trusted third-party service providers to assist with device operations, remote support, or related services. In such cases, we will enter into data protection agreements with those vendors and require that they process personal data in accordance with this policy.
2. Data Sharing: We do not share your personal data with third parties without your prior consent, unless required by law or when the service you use integrates with third-party platforms (e.g., MoboLink, device management systems).
3. Data Transfers: In the event of a corporate merger, acquisition, or bankruptcy that results in data transfer, we will notify you and ensure that the recipient continues to comply with this privacy policy.
4. Public Disclosure: Your data may be disclosed only when required by applicable law or with your explicit authorization, such as during regulatory investigations or legal proceedings.

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E. Protection of Children's Personal Data

This product and its associated services are not intended for children under the age of 13, and we do not knowingly collect personal data from children. If we become aware that personal data from a child has been inadvertently collected, we will take prompt steps to delete the data and cease any further processing. Parents or legal guardians may contact us to request deletion.

F. Security Measures for Personal Data Protection

We are committed to ensuring the security of your personal data and have implemented a range of measures, including but not limited to, the following:

1. Use of encrypted communication and secure storage technologies
2. Implementation of user authentication and access control mechanisms
3. Logging of data access and monitoring of abnormal behavior
4. Restriction of access to personal data to authorized personnel only, all of whom are bound by confidentiality obligations
5. Regular vulnerability scanning, patching, and risk assessments

In the event of a data breach, we will take appropriate action and notify the relevant authorities in accordance with applicable laws and regulations.

G. Data Accuracy and Integrity

We collect and process personal data solely for specified and legitimate purposes. Measures such as data validation, user authorization, and system controls are implemented to ensure the accuracy, integrity, and timeliness of the information.

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H. Cross-Border Transfer of Personal Data

Some of our servers or services may be located outside your jurisdiction. Where cross-border transfer of personal data is necessary, we will comply with applicable local laws and implement appropriate safeguards, such as Standard Contractual Clauses (SCCs), encryption measures, or security assessments, to ensure the confidentiality and integrity of your information.

I. Data Retention

We retain your personal data only for as long as necessary to fulfill the purposes for which it was collected. Once the retention period has expired, we will delete, anonymize, or de-identify the data in accordance with its nature and applicable legal requirements, ensuring that it can no longer be identified or reconstructed.

Certain types of data—such as transaction records, customer support logs, and error reports—may be retained for longer periods to comply with legal obligations, auditing requirements, information security policies, dispute resolution needs, or service improvement purposes. We regularly review the necessity of such retention in accordance with data minimization and security principles.

J. Personal Data Rights

You have the following rights regarding your personal data:

- To request access to the personal data we hold about you
- To request rectification, supplementation, or erasure of inaccurate or outdated data
- To withdraw your consent to data processing (where applicable)
- To request data portability or the deletion of your account

To exercise any of the above rights, please contact us at info@hq.ute.com. In accordance with the GDPR, we will respond to your request within 30 days of receipt. If your request is particularly complex or numerous, we may extend this period by up to an additional two months and will inform you of the reason for the extension within the first month.

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K. Privacy Policy Updates

This Privacy Policy may be updated from time to time to reflect changes in our business practices or legal obligations. If any material changes are made to the purposes or scope of personal data usage, we will notify you in accordance with applicable legal requirements. The latest version will be incorporated into the product user manual.

L. Disclaimer

While we implement reasonable and appropriate security measures to protect your personal data, you acknowledge that no system can eliminate all risks inherent in operating over open networks. Unitech shall not be held liable for any unauthorized access, use, disclosure, or destruction of personal data caused by third parties beyond our control. You are responsible for safeguarding your account credentials, and Unitech will not be held liable for any data breach or damages resulting from user negligence.

M. Contact Us

If you have any questions, suggestions, or requests regarding this Privacy Policy or the protection of your personal data, please contact us using the information below:
Email: info@hq.ute.com
Website: https://www.ute.com/en/contact

Note:

Please read this Privacy Policy carefully before using this product. You may choose whether to enable certain features (such as location services or network synchronization). By enabling such features, you consent to the collection and processing of your personal data as necessary for the operation of those features.

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Chapter 1 - Overview

1.1 Package

Please make sure the following contents are in the HT330 gift box.
If something is missing or damaged, please contact your Unitech representative.

The Package Contents

- HT330 Terminal
- Battery
- Hand Strap
- USB Type-C Cable
- Quick Start Guide

Optional Accessories

- Boot Case
- Gun Grip
- Terminal Power Adapter
- HT330 1-Slot Charging Cradle with spare Battery Slot
- HT330 1-Slot USB Cradle with spare Battery Slot
- Power Cord for Cradle
- Glass Screen Protector
- Stylus with coil strap

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1.2 Product Detail

1.2.1 HT330 Product View

Top View

Rear View

Front View

Bottom View

1. Scanner Window
2. LED Indicator
3. 5MP Front Camera
4. 4” LCD Display
5. Volume Key
6. Scanner Trigger Key
7. Power Key
8. Function Key
9. Mic

10. 13MP Rear Camera
11. Mic
12. Battery Lock
13. Speaker
14. POGO Pin for Gun Grip
15. Holes for Hand Strap
16. Battery Cover
17. POGO Pin
18. USB Type-C Port

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1.2.2 HT330 Keypad View

1.	P1, P2, P3	Programmable key
2.	Moves left, up, down, right, or from one item to another.	Arrow Key
3.	ESC key, TAB key, ALT key, CTRL key	
4.	Backspace key	
5.	SHIFT key	
6.	Function Key	
7.	F1/F2/F3/F4	

Note: Press function key and up arrow key to turn the Volume up.
Press function key and down arrow key to turn down the Volume.

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1.3 Specifications

System Features	
CPU	Qcta-core 2GHz
Memory	3 GB RAM 32 GB Flash
OS	Android™12
GMS certified	GMS certified
Languages support	multiple languages
Display	
Screen Size	4”, WVGA 800 X 480, Backlight (450nits)
Touchpanel	Multi-touch panel, gloves and wet hands supported
Buttons/Keypad	
Numeric (32 keys); number keys, function and direction keys with backlight	
Camera	
5MP front camera Rear 13 MP with PDAF, LED flash light	
Indicator Type	
LED, Speaker, Vibrator	
Symbologies	
Support all major 1D and 2D barcodes	
RFID	
HF	Optional: Frequency 13.56Mhz, ISO14443A/B, ISO15693 standard, NFC (Optional), MIFARE, Felica

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Power Source	
Main Battery	3.85V 5200mAh Li-ION battery (removable), Operating time : over 20 hours (depending on the specific environment)
Regulatory Approvals	
CE, FCC, NCC, CCC, SRRC, VCCI, TELEC, RoHS, BQB, N-Mark, BSMI	
Communication	
Bluetooth®	Bluetooth® 5 supported
WLAN	802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v, 2.4G+5GHz, fast roaming, 2.4G+5GHz, hotspot
WWAN	4G: FDD-LTE B1/2/3/4/5/7/8/12/17/20/28a&b/66 TDD-LTE B38/39/40/41 3G: WCDMA B1/2/4/5/8 2G: GSM B2/3/5/8
GPS	GPS/AGPS, GLONASS, BeiDou, Galileo
Sensors	Gyroscope, G-sensor, E-Compass, Light & Proximity Sensor
I/O Interfaces	
USB	USB 2.0 (Type-C)
OTG	Yes, over USB Type-C
POGO PIN	Pogo Pin Rear: Support Gun grip Pogo Pin Bottom: Charging via cradle
SIM Slot	Nano SIM Slot x 2
Expansion slot	MicroSD memory card up to 256GB
Audio	Speaker: 1W output, 90 dB at 10cm MIC: 2 MIC design
Enclosure	
Dimensions (H x W x D)	185 mm x 70 mm x 23.8 mm
Weight	295g (with battery)
Environmental	
Operating temperature	-20°C to 60°C
Storage temperature	- 40°C to 70°C (without battery)

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Charging temperature	0°C to 45°C
Relative Humidity	5% - 95% (non-condensing)
Drop Specification	1.5m / 1.8m (with boot case)
Sealing	IP67
Tumble test	Tumble 600 times (1.6 ft./0.5 m)
Software	
MDM Software	• SOTI, Ivanti Wavelink, 42Gears, and MoboLink
Accessories	
• 3.85V 5200mAh battery • USB Type C Cable • Hand Strap • Stylus with coil strap • Boot Case	• Glass Screen Protector • Gun Grip • Single Slot Charging Cradle • Single Slot USB Cradle

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		

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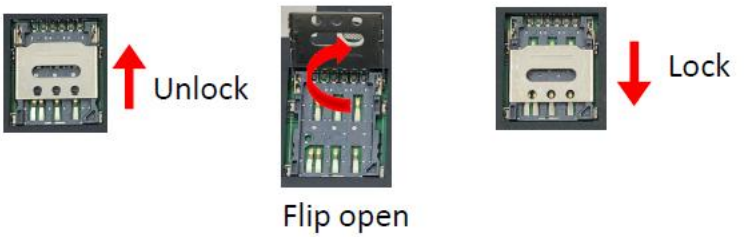
1.4 Getting Started

1.4.1 Inserting Micro SD/ Nano SIM Card

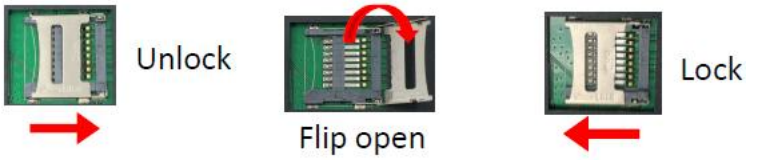
Inserting the Nano SIM Card

Push up the SIM card holder to unlock and flip the card holder open to insert SIM card. Close the card holder and slide down to lock.
Make sure it is installed properly.



Inserting the Micro SD Card

Push the SD card holder to the right to unlock and flip the card holder to insert the SD card. Close the card holder and push to the left to lock. Ensure that it is installed properly.



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Replacing the Battery

This section describes how to replace the battery.

CAUTION! *The battery is designed to be removed by hand. Do not use tools to remove the battery.*

NOTE: *Do not put labels, asset tags, engravings, stickers, or other objects in the battery slot, as this might compromise the performance of the device or accessories. Performance levels, such as sealing [Ingress Protection (IP)], impact performance (drop and tumble), functionality, or temperature resistance could be affected.*

NOTE: *If the hand strap is attached, remove the hand strap clip first.*

1.4.2 Remove Battery Cover to Install Battery

1. Push the battery lock to the right to unlock.

2. Grab the battery cover from the two recesses on the side, and lift to remove the battery cover.

3. Align the battery with the battery compartment, then push forward until you hear a click sound.

4. Press down the battery to secure in place.

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1.4.3 Install the Battery Cover

Insert the battery cover in the direction as shown in the picture below:

1. There are three hooks on the bottom of battery cover, align the hooks with the recesses on the battery compartment.

2. Insert the battery cover up to 45 degrees (45°) angle, from bottom to top.

3. Press down the battery cover to secure in place. Make sure there is no gap between the device and the battery cover.

4. Push the battery lock to the left to lock. Make sure the battery cover is securely closed, or you may not be able to turn on the terminal.

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1.4.4 Remove the Battery

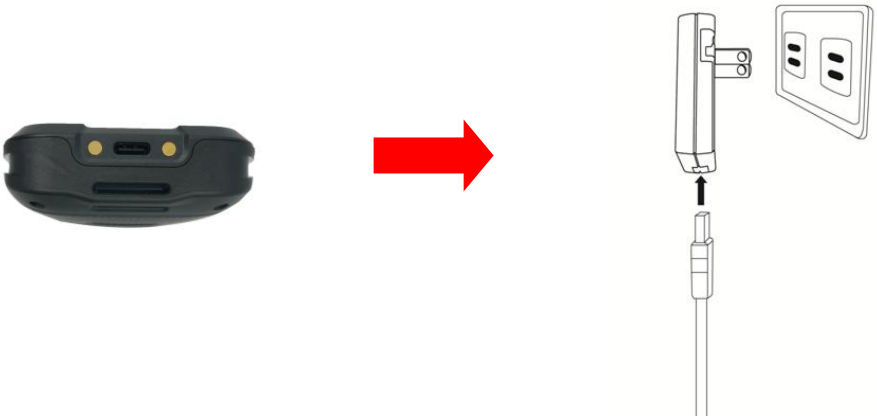
Pick the battery from the bottom, and lift to remove.

1.4.5 Charging the Battery

Charge the terminal for about 24 hours before using it for the first time.
For regular use, charge the terminal for 4.5 hours to recharge the battery to full capacity.

Please use the USB charging cable or the cradle to charge the terminal.

Connect the Type-C USB cable to the USB port on HT330 and the other end of the USB cable connect to AC power adapter into the electrical outlet on the USB plug. The charging LED indicator on HT330 is turning red under charging state.



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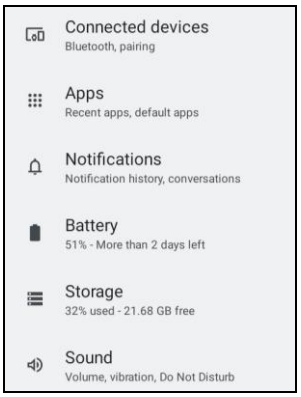
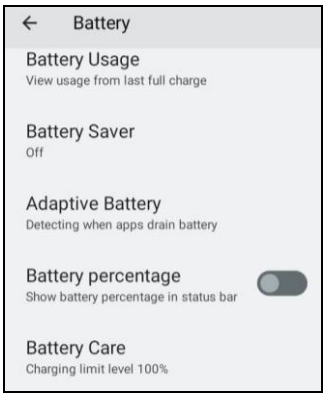
1.4.6 Charging Limit Function

To protect the battery, Battery Care enables you to set the maximum power level.

Set a lower charging limit to extend the lifespan of your battery. You can access this feature in **Settings** → **Battery** → **Battery Care**, as shown below to configure the charging limit.





Here's how it works:

1. By default, the charging limit is set to 100%.
2. Avoid full charge cycles (0-100%) and overnight charging.
3. Limiting your handheld's maximum charge to 20-80% is better for the battery's health than topping up to completely full every time.
4. Opting for the 80% Limit will ensure your handheld charges up to approximately 80% and then ceases charging.
5. When frequent charging is necessary, enabling the 50% Limit permits charging up to 50%, effectively extending your battery's lifecycle.
6. Additionally, if you plan to hold your handheld in long-term storage, it's best not to leave it at 100% charge. Instead, recommends that you store batteries at 50% state of charge if you're planning to store them long-term.

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1.4.7 Turning on the terminal for the first time

It is recommended to fully charge HT330 before first use. You can now start up your device to set up the languages, WLAN setting, and date and time.

Power Button

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

1.4.8 How to pull up the soft keypad on the HT330

- When there is a number or text to be entered, pressing the P1 key will pop up the SIP (Soft Input Panel) keyboard on the screen, and when you press the P1 key again, the SIP keyboard will disappear.

- Once you do not want this P1 function you can open the APP named KeyRemap and tap PROG_1(289) →Action→UNKNOWN

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1.4.9 Checking the LED status

Checking the Battery Status

LED	Description
Red Light	● Battery Charging ● Twinkling to indicate battery low status (less than 15%)
Green Light	● Battery Fully charged ● Barcode scan good read
Blue Light	● Message
If scanner app is running, LED is controlled by the scanner app. No LED (Red and Green) display when battery is out. (even with AC IN)	

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.

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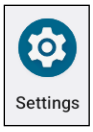
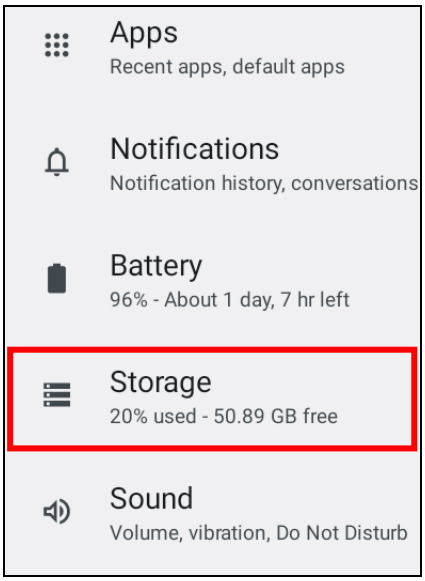
1.4.10 Checking HT330 Storage

Please go to Settings 

and tap Storage to check the HT330 storage.



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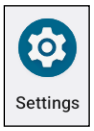
1.4.11 Battery Status

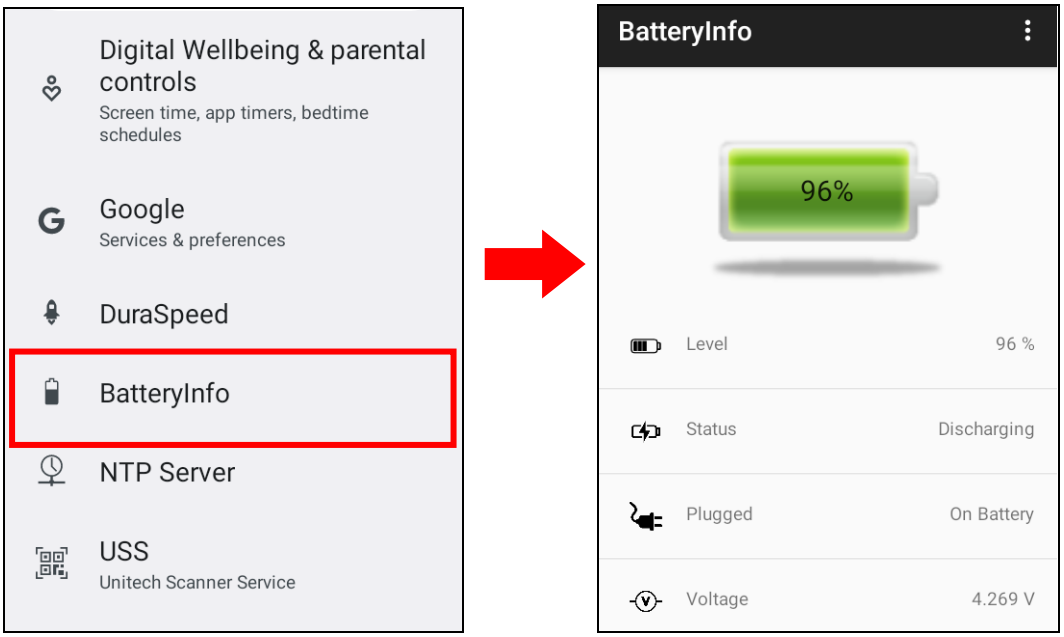
The HT330 provides battery info for users to check the battery status, history view and also set up user preferences.

On the main screen, scroll the screen from down to top to reach the APPS, and tap Settings and then tap BatteryInfo. BatteryInfo shows the details of the battery use.

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.



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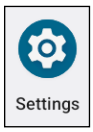
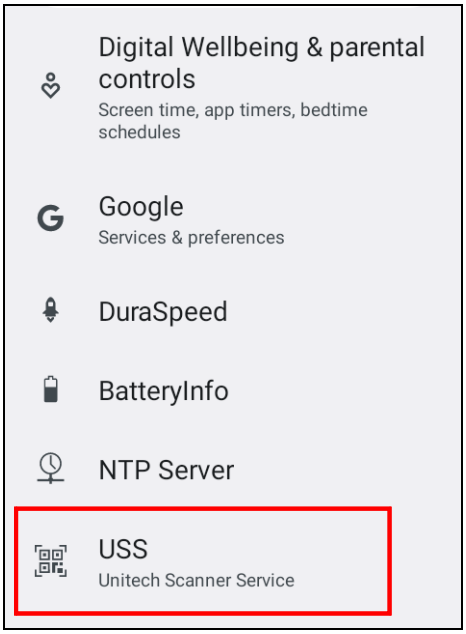
Chapter 2 – Installation & Operation

2.1 Barcode Setting

1. On the main screen, scroll up the screen to reach the APPS, and tap settings 

then tap **USS** (Unitech scan service).



2. You now enter the Unitech scan service application.

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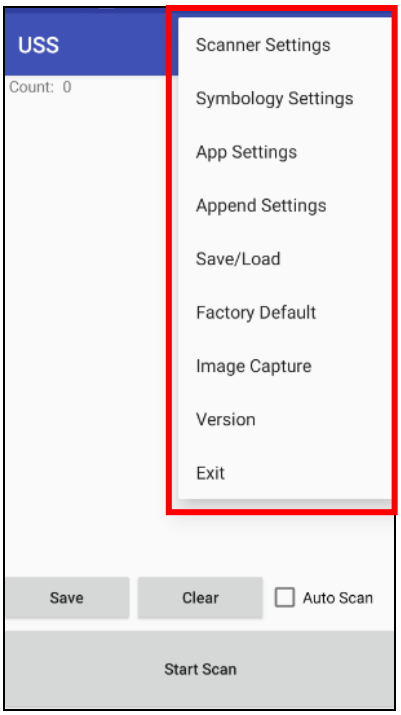
2.1.1 Settings

1. After you enter the Unitech scan service application, please tap on the screen to see all the settings of **USS**.



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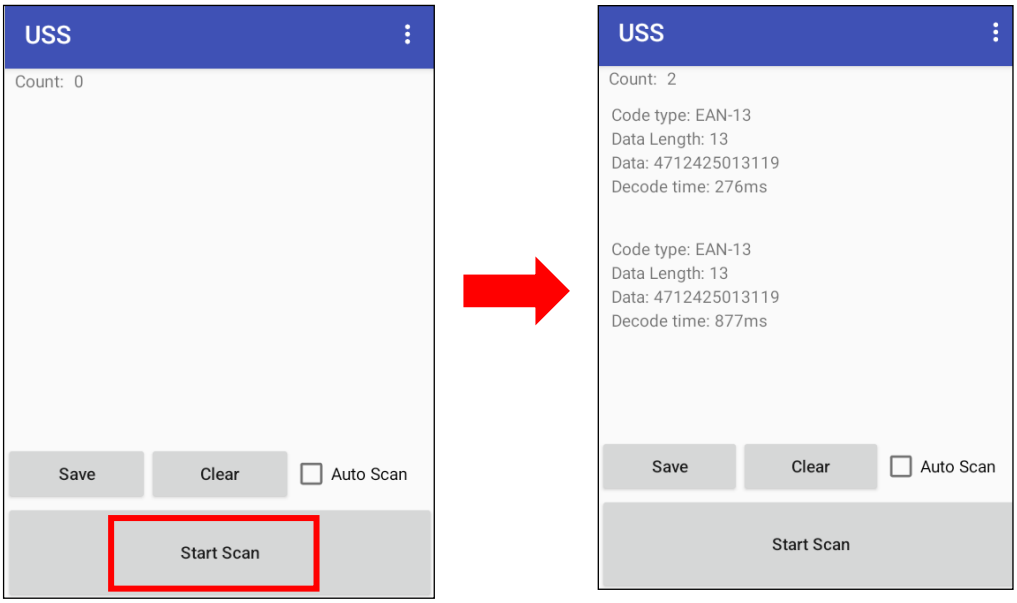
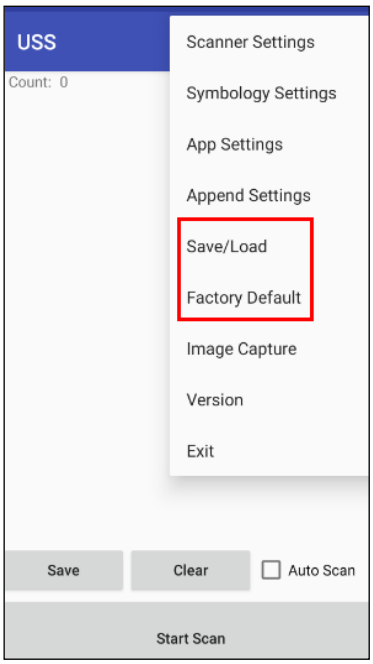
2.1.2 Barcode Scan

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



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

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



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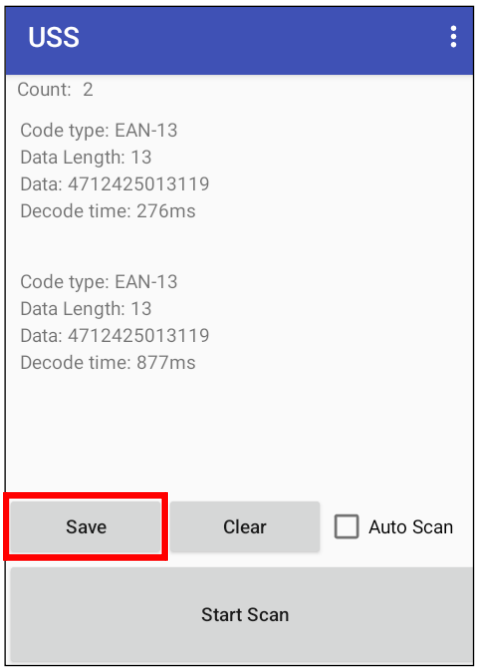
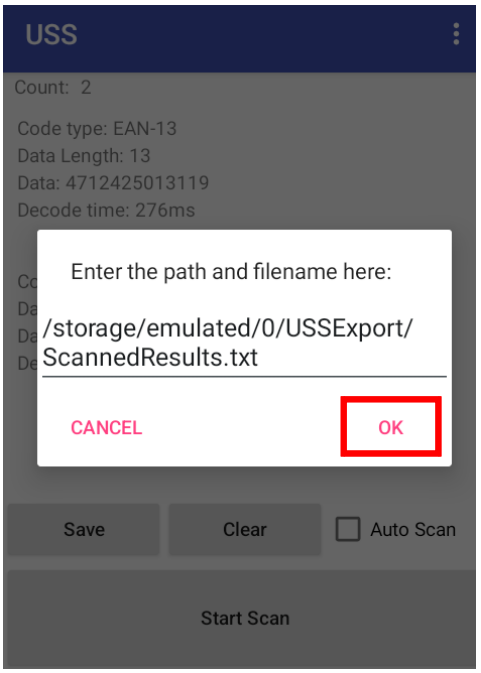
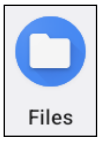
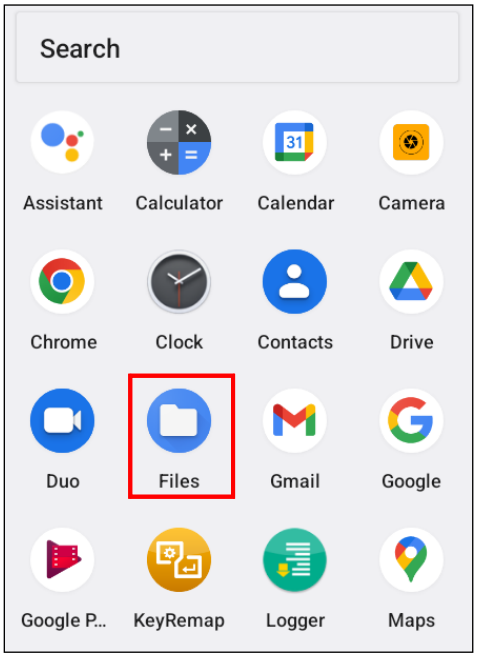
3. To save settings, you can also tap **Save** on the screen and input path then tap **OK**.

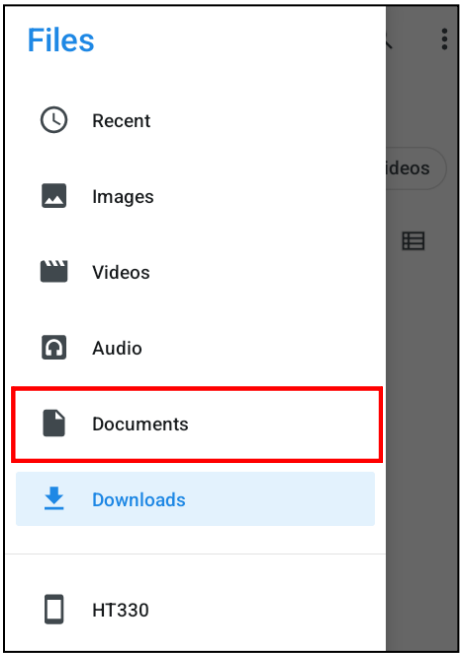




The saved data is stored in Files 

. (Please see 3.2 Files) → Documents





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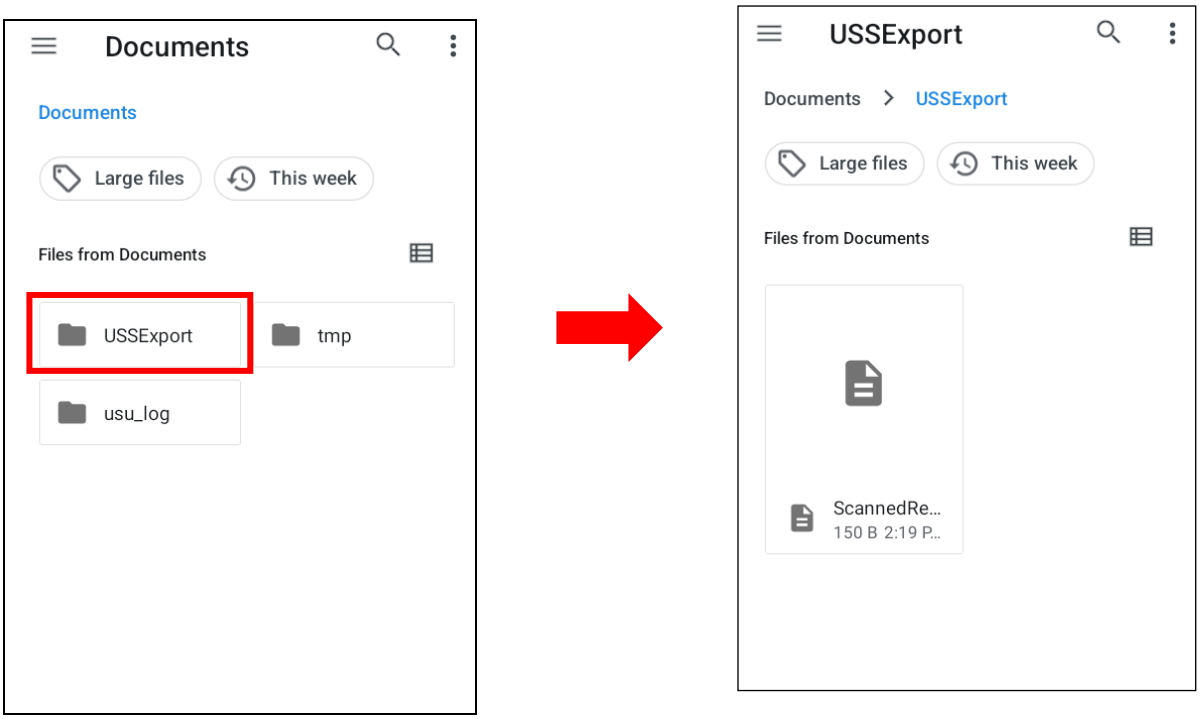
USSExport → ScannedResults.txt.



***Note*:** For more information, please refer to [3.1 USS (Unitech scan service)]

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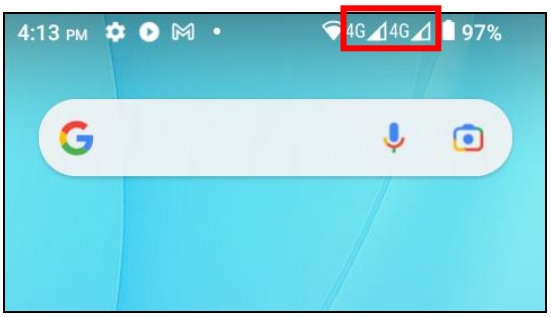
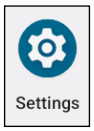
2.2 WWAN Setting

1. Turn off the terminal to insert the SIM card.
   Note : *• For the instruction, please refer to* *1.4.1 Inserting Micro SD/ Nano SIM Card*.

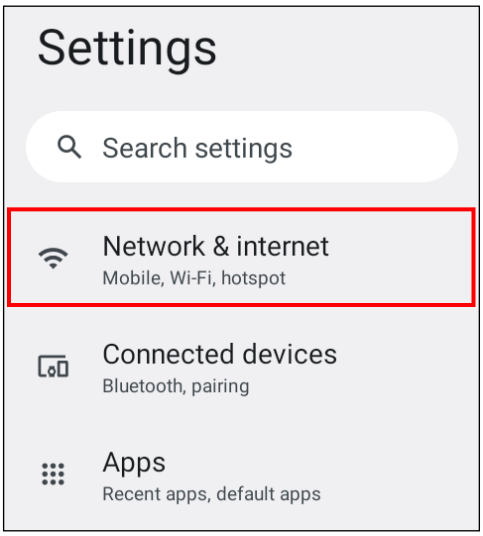
2. Turn on the terminal, 4G signal will show at the top of the screen.



2.2.1 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.**



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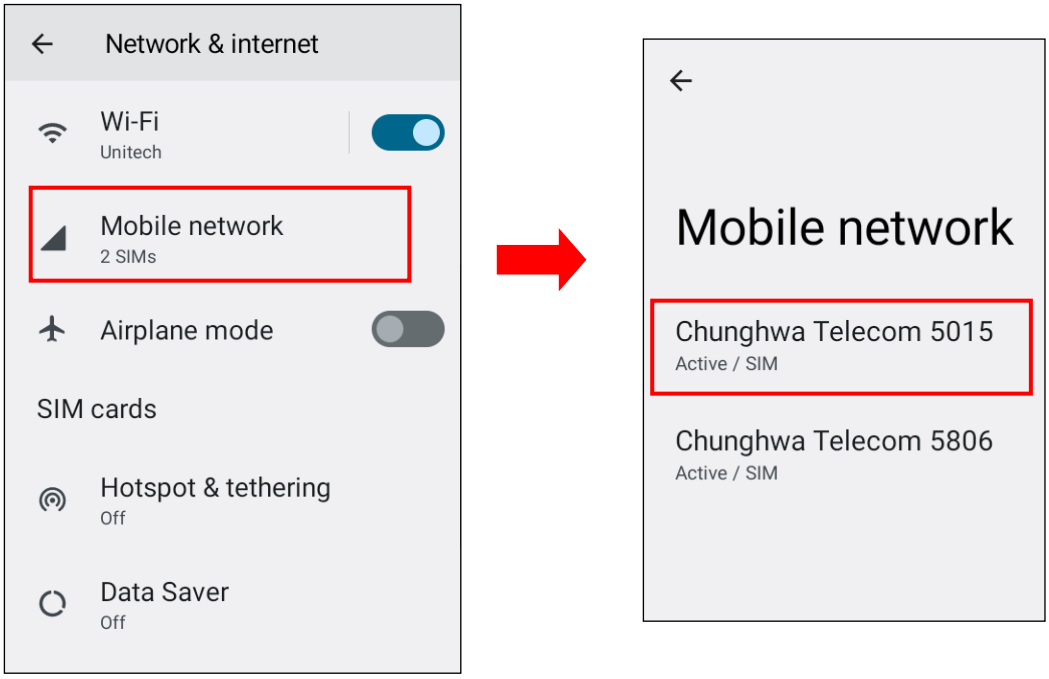
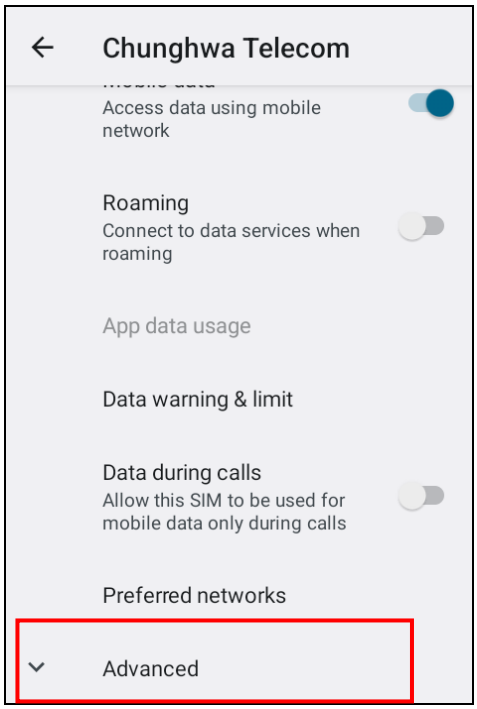
2. Tap **Mobile network** for more network settings.



3. Scroll down and tap on advanced.



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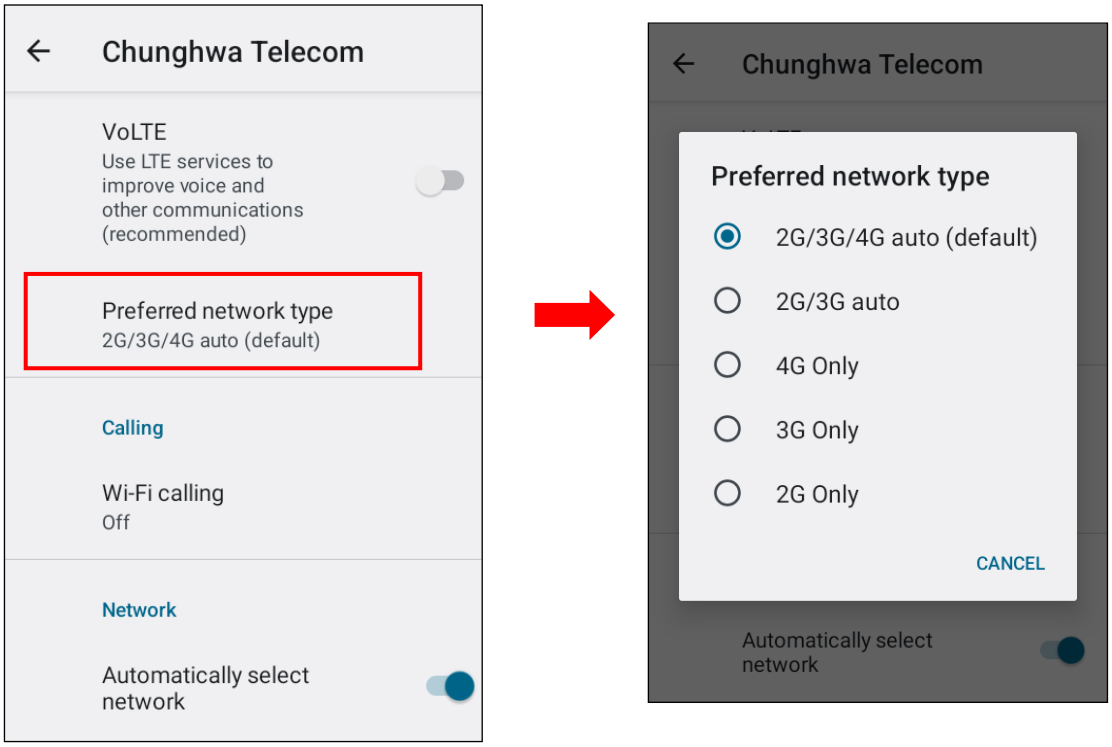
4. To choose different network type, please tap **Preferred network type.**



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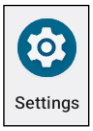
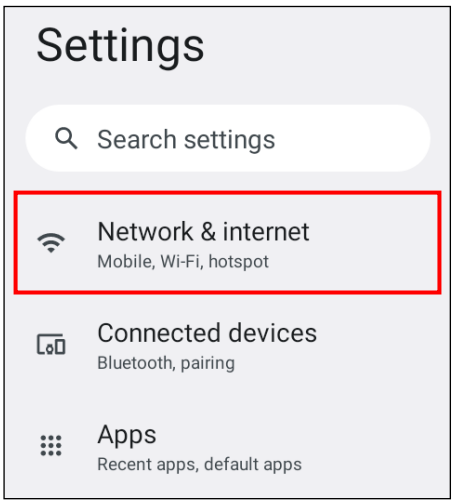
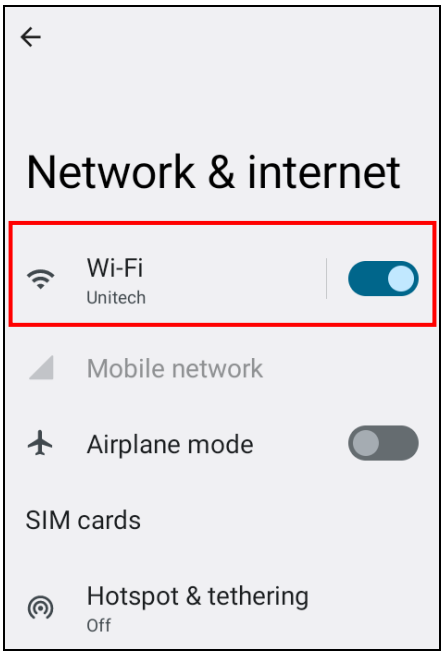
2.3 WLAN Setting

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.



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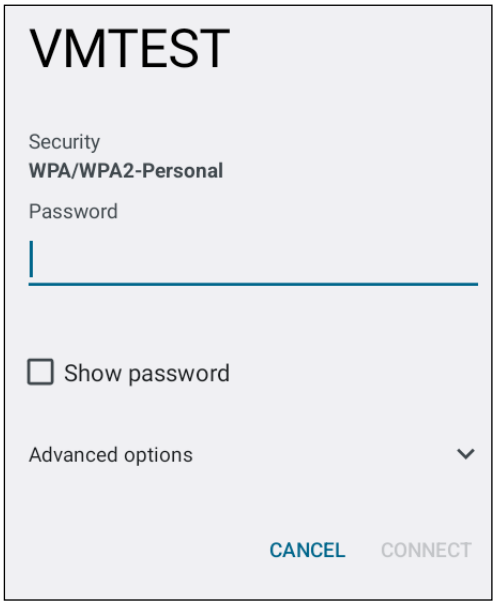
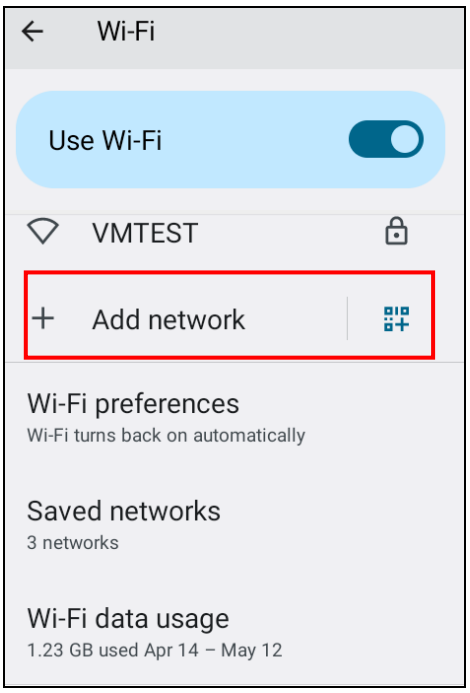
3. Choose the available networks, and enter the Password and tap **Connect.**



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.

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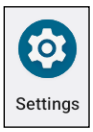
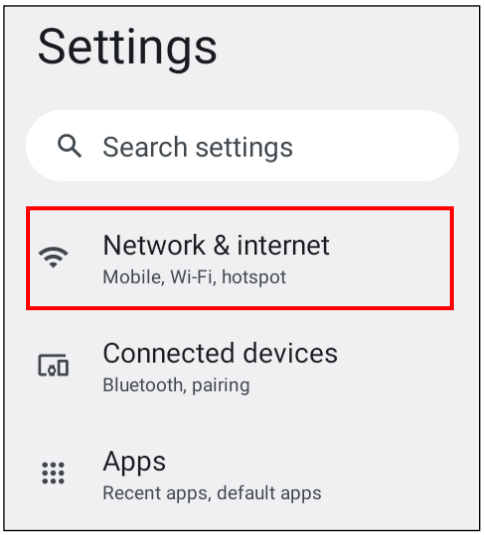
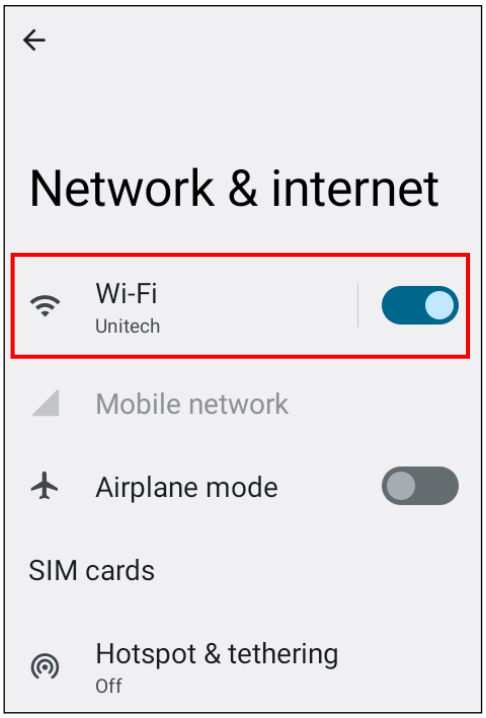
2.3.1 Share Wi-Fi

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.



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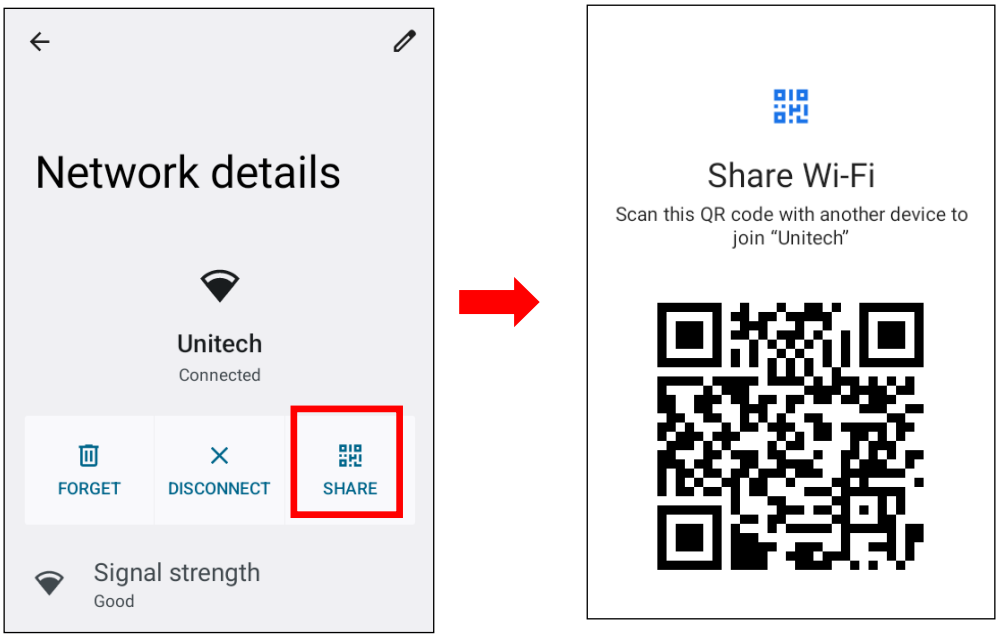
When Wi-Fi is connected, tap “**Share**” icon to show QR code.



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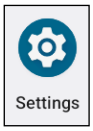
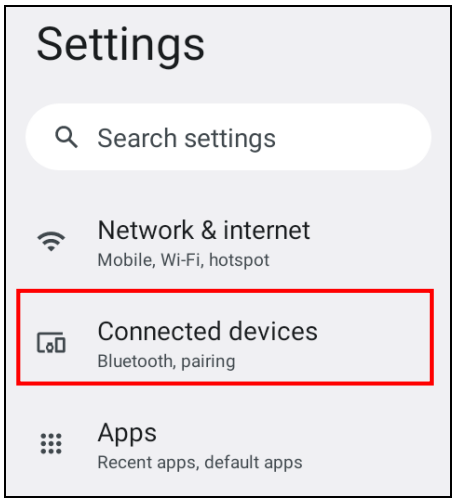
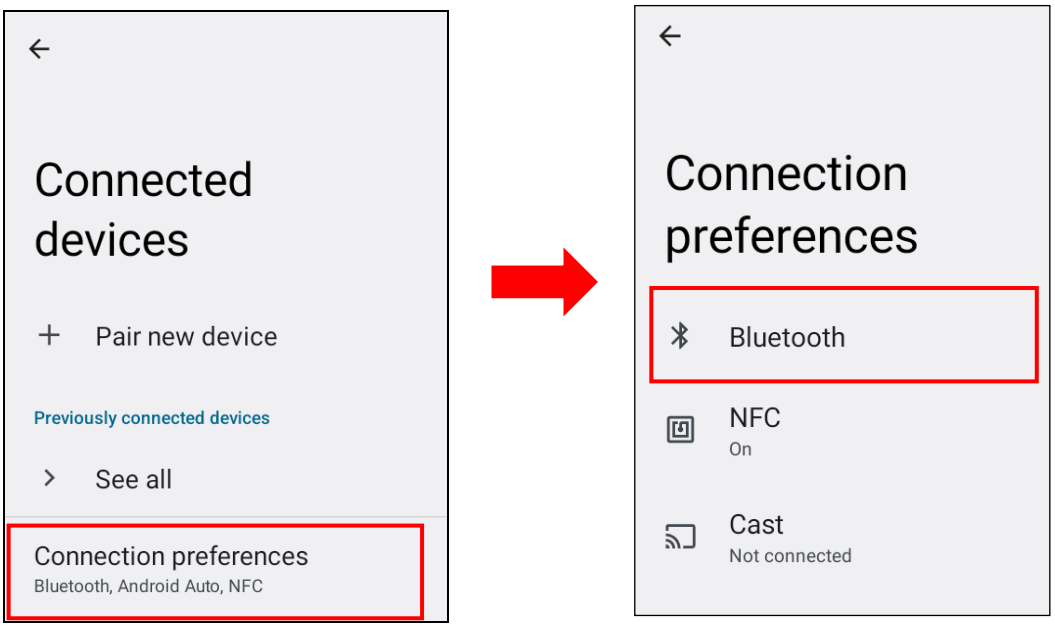
2.4 PAN Setting

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**®.



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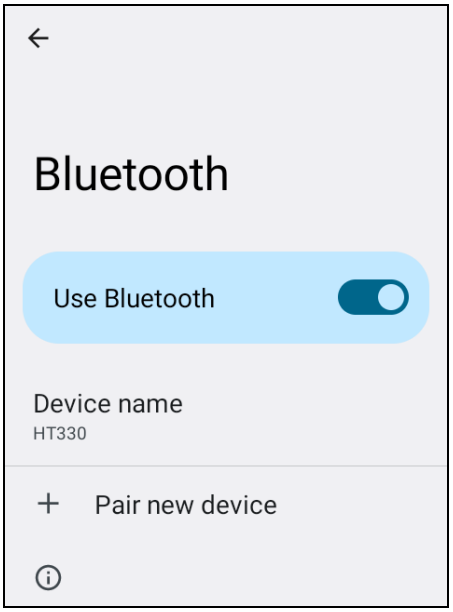
3. Turn on/off the “Use Bluetooth®” to enable / disable Bluetooth®.
   To pair the available device, turn **ON** “Use Bluetooth®” to choose the available device.



***Note*:** You can only use Bluetooth® to transfer files between two HT330, and cannot use USB or NFC to transfer files.

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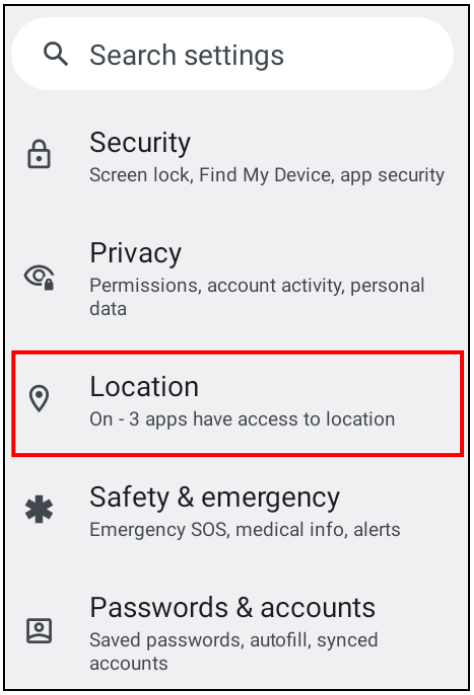
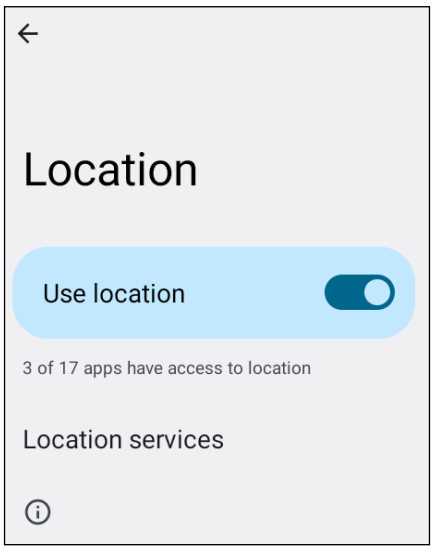
2.5 GPS Setting

1. On the main screen, scroll the screen from down to top to reach the APPS, and tap **Settings**

and then tap **Location.**



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



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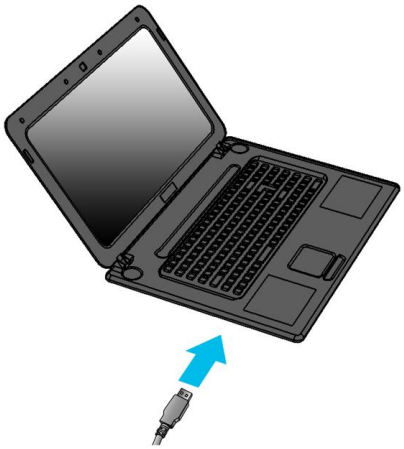
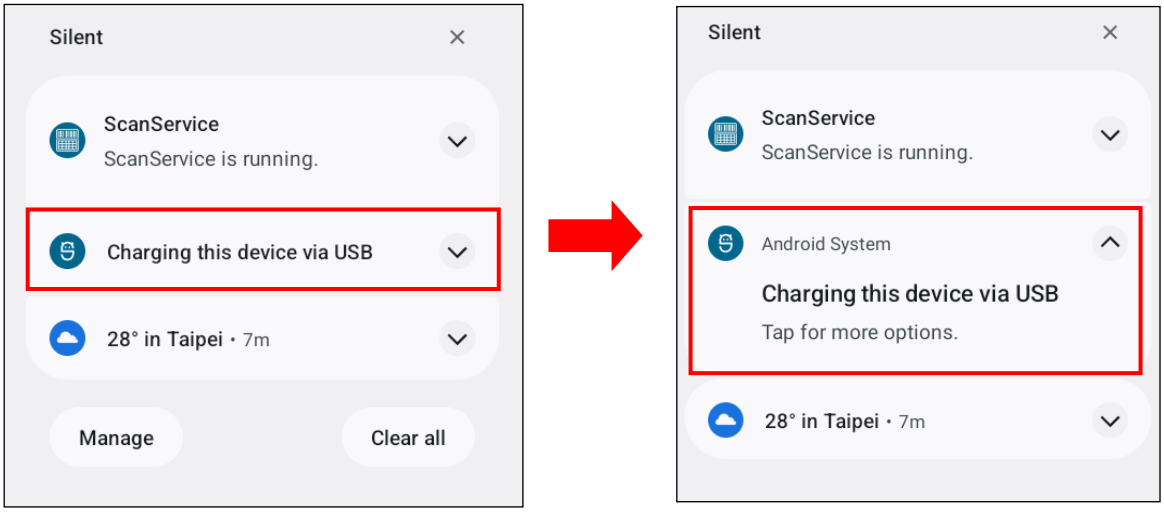
2.6 PC Setting

1. Connect HT330 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 tap on **Charging this device via USB**.



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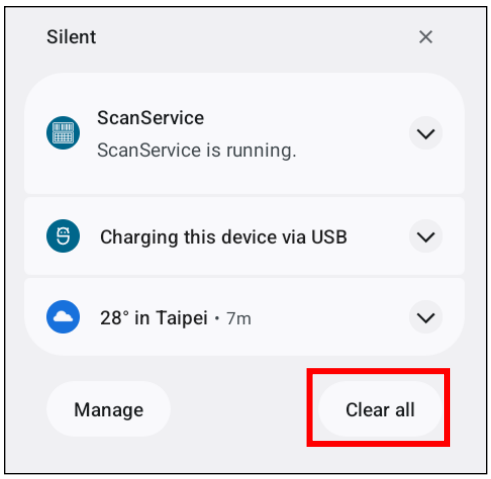
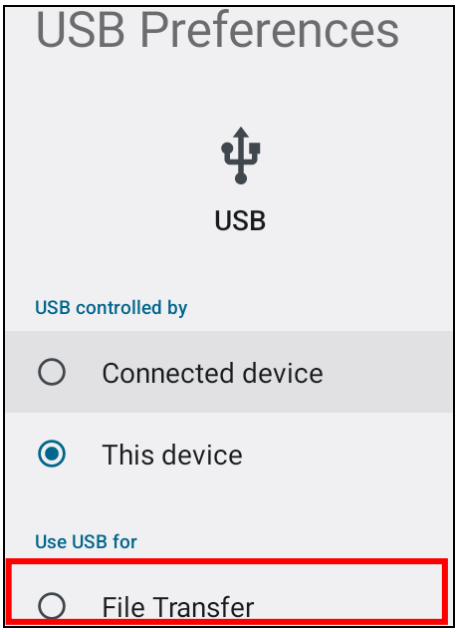
***Note*:** If you cannot find the Charging this device via USB notification in step 2, click on Clear all and try again.



3. Then you can select File Transfer.



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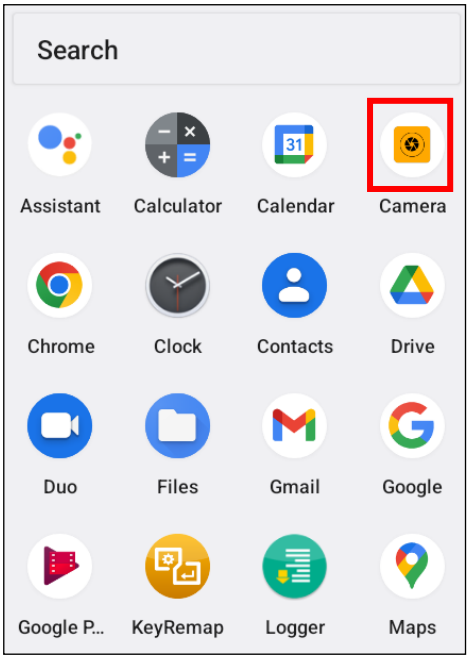
2.7 Camera Setting

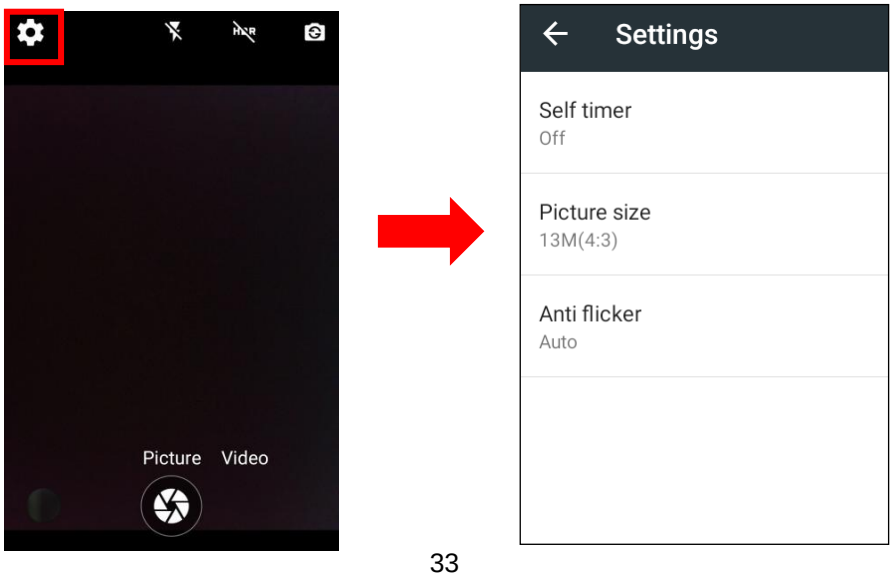
1. Tap on **Camera** on the main screen, or scroll the screen from down to top to reach the APPS, and tap **Camera**.

OR



2.7.1 Settings

Please tap to enter the settings section.



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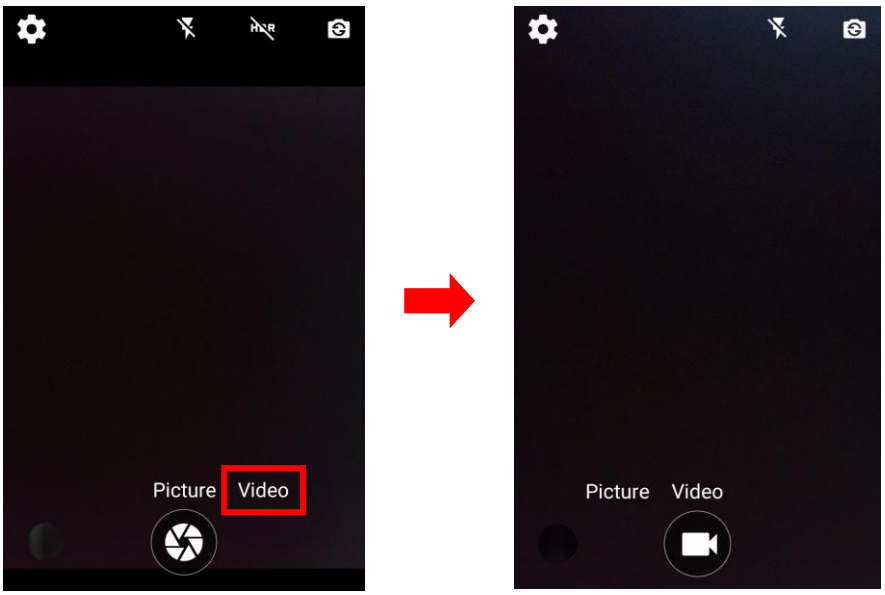
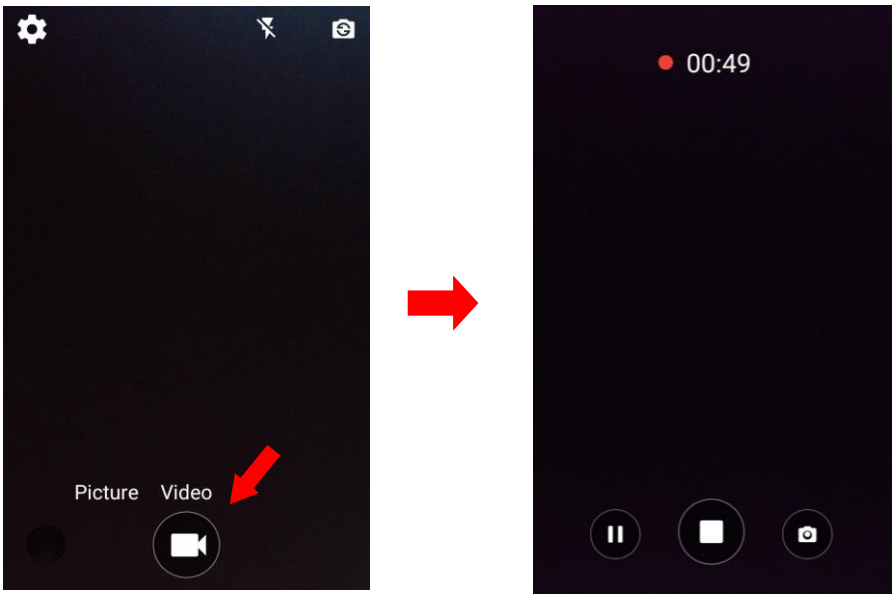
2.7.2 Record Videos

1. Tap on Video to switch to the Video mode.



2. Tap on the to start recording.



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2.8 Dark Theme and Night Light

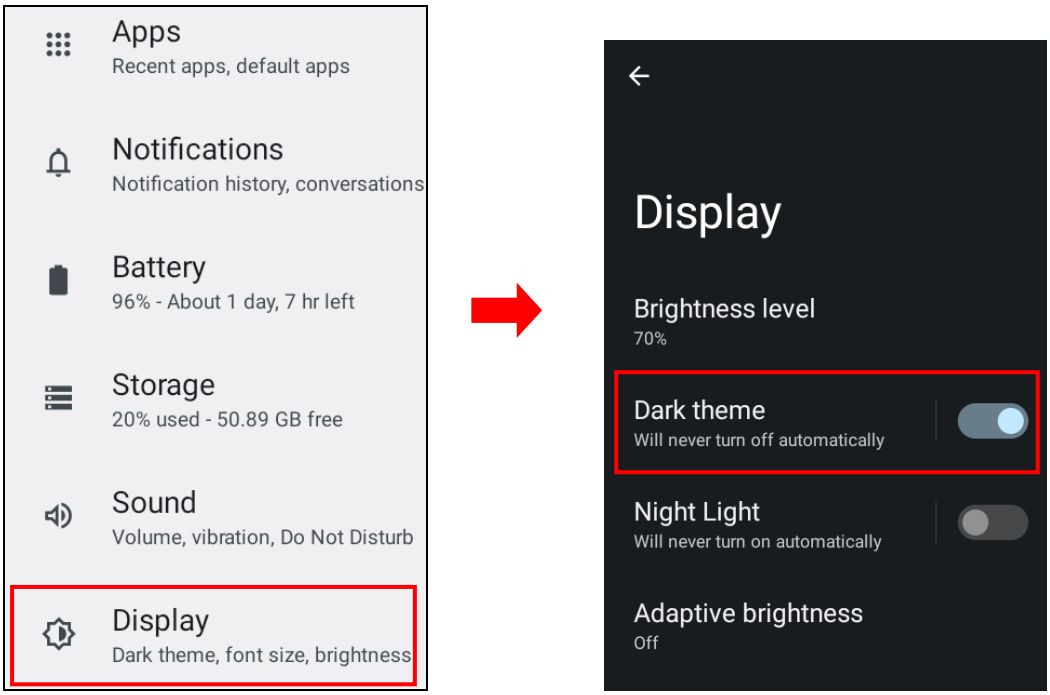
2.8.1 How to Enable Dark Theme

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

1. On the main screen, scroll the screen from bottom to top to reach the APPS, and tap **Settings**

and then tap **Display**.

2. Turn on **Dark theme** to enable it.



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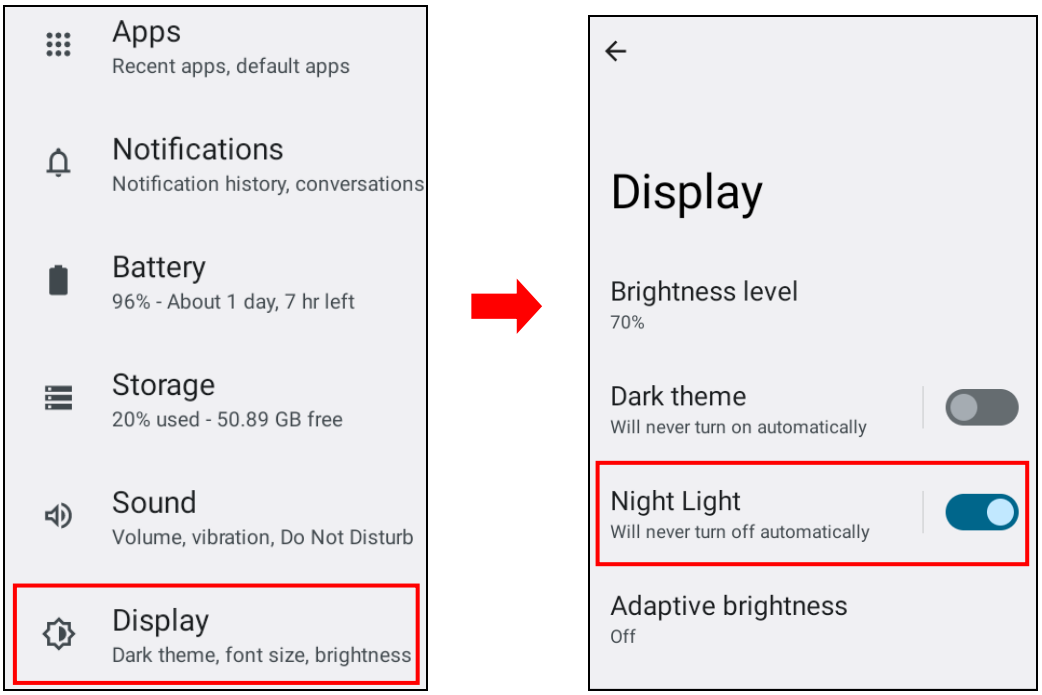
2.8.2 How to Enable Night Light

Night Light is a feature that tints your screen amber, making it easier to look at the screen or read in dim light, and may help you fall asleep more easily.

1. On the main screen, scroll the screen from bottom to top to reach the APPS, and tap **Settings**

and then tap **Display**



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2.9 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 the **Power button** around 10 seconds to restart the device.

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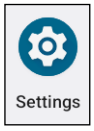
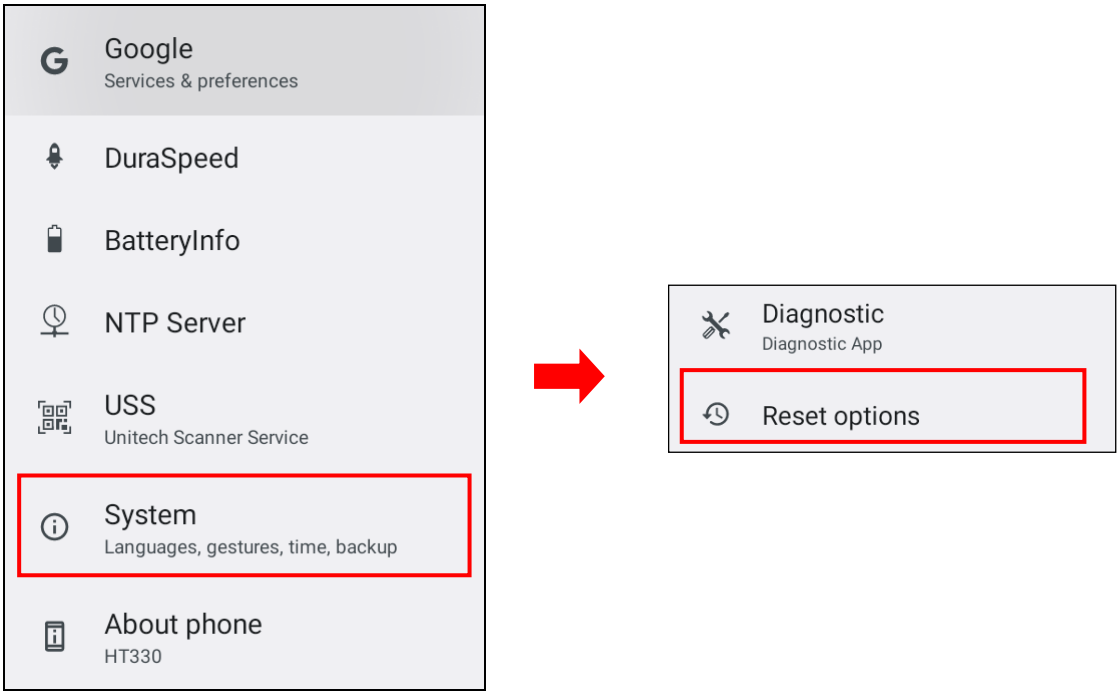
2.10 Performing Factory Data Reset

1. On the main screen, scroll the screen from down to top to reach the APPS, and tap **Settings** 

and then tap **System.**

2. Scroll to the bottom and tap **Reset options**.



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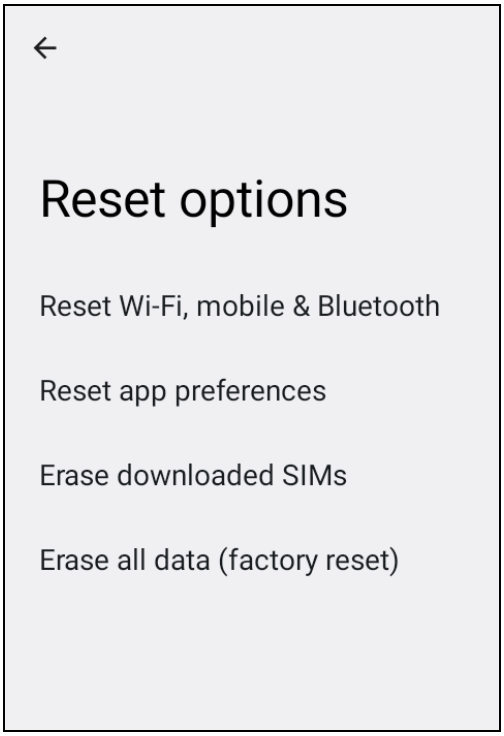
3. You can reset the system on **Reset options**.
   When you select **Erase all data (factory reset)**, it will erase all folders.



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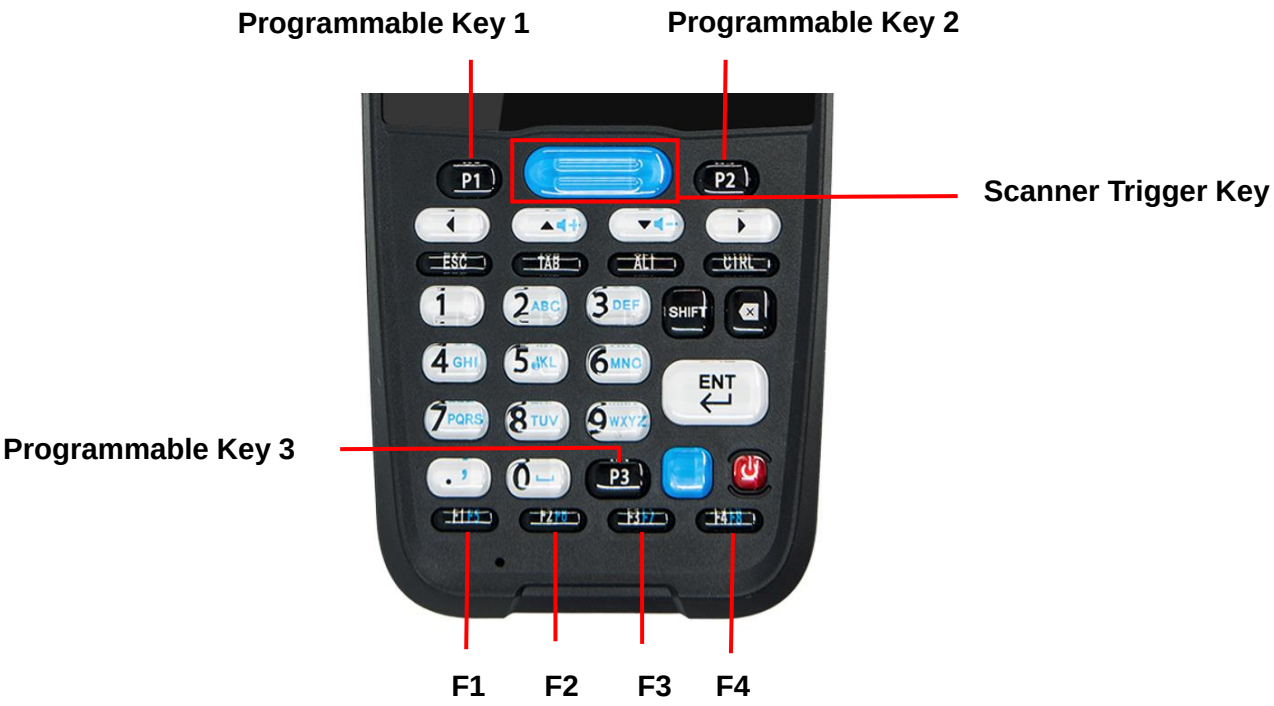
2.11 KeyRemap

The HT330's keys can be programmed for users to be able to perform different functions or applications.
There are eight options to use key remap functions: PROG_1 (Programmable Key 1), PROG_2 (Programmable Key 2), PROG_3 (Programmable Key 3), SCAN_KEY (Scanner Trigger Key), F1, F2, F3, and F4.
.



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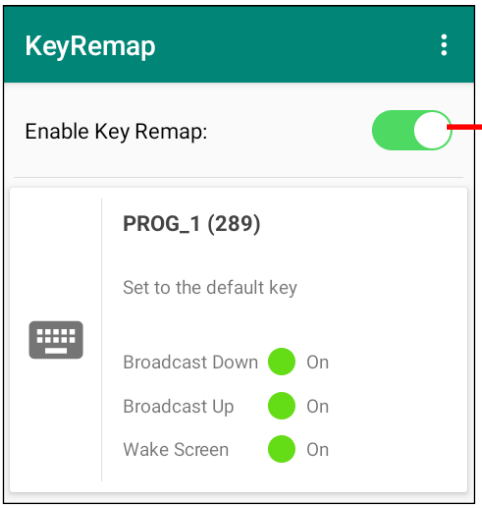
2.11.1 Remap a key

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

KeyRemap. Select the keys to remap and enable key.



After remapping the key, remember to enable the key remap.

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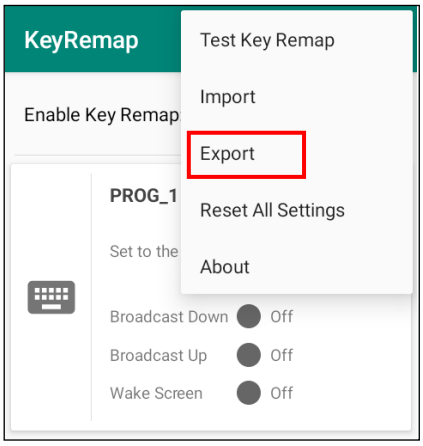
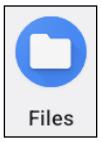
2.11.2 Export / Import a remap Key Configuration file

■ Export file

1. Tap
2. Select **Export**

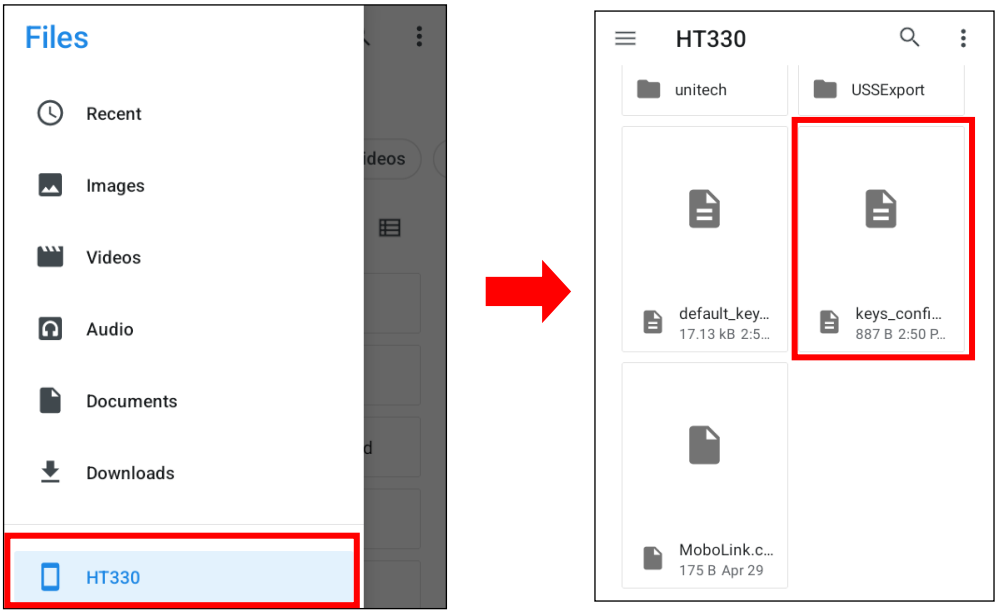


The remap Key configuration can be exported to a text file or imported into HT330.

Note: The configuration file “keys_config.txt” is saved in Files 

.

(For Files setting, please refer to 3.2 Files.)



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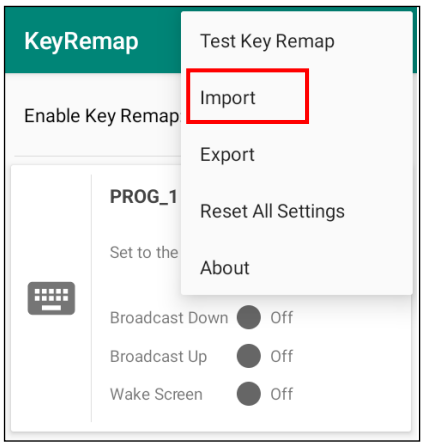
■ Import file

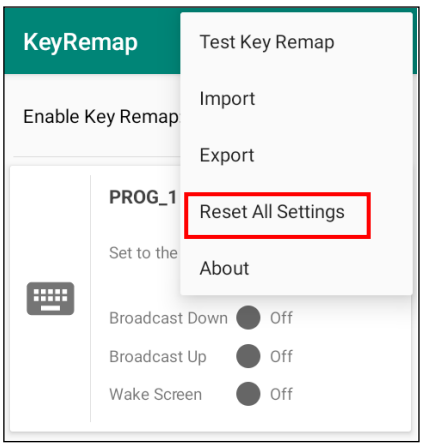
Before importing the file, please make sure the configuration file (keys_config.txt) is in the Files.

1. Tap ⋮
2. Select **Import**



■ Reset all settings

1. Tap ⋮
2. Select **Reset all settings**



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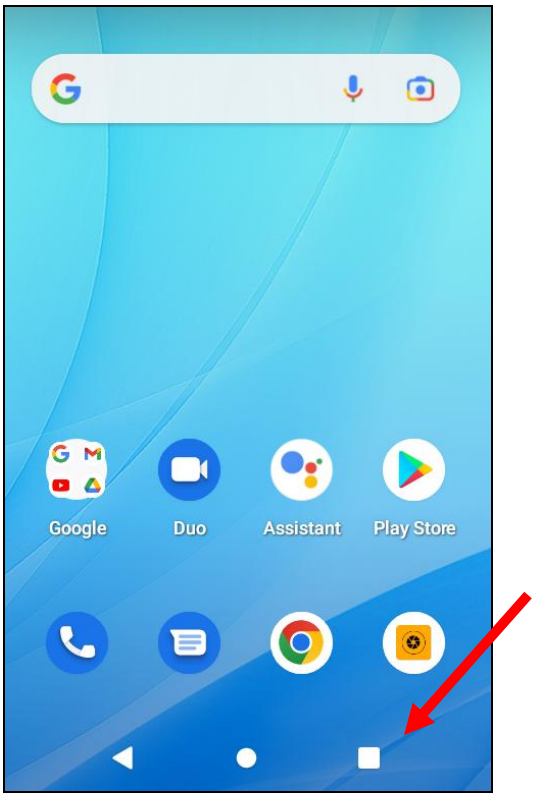
2.12 Split Screen

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.



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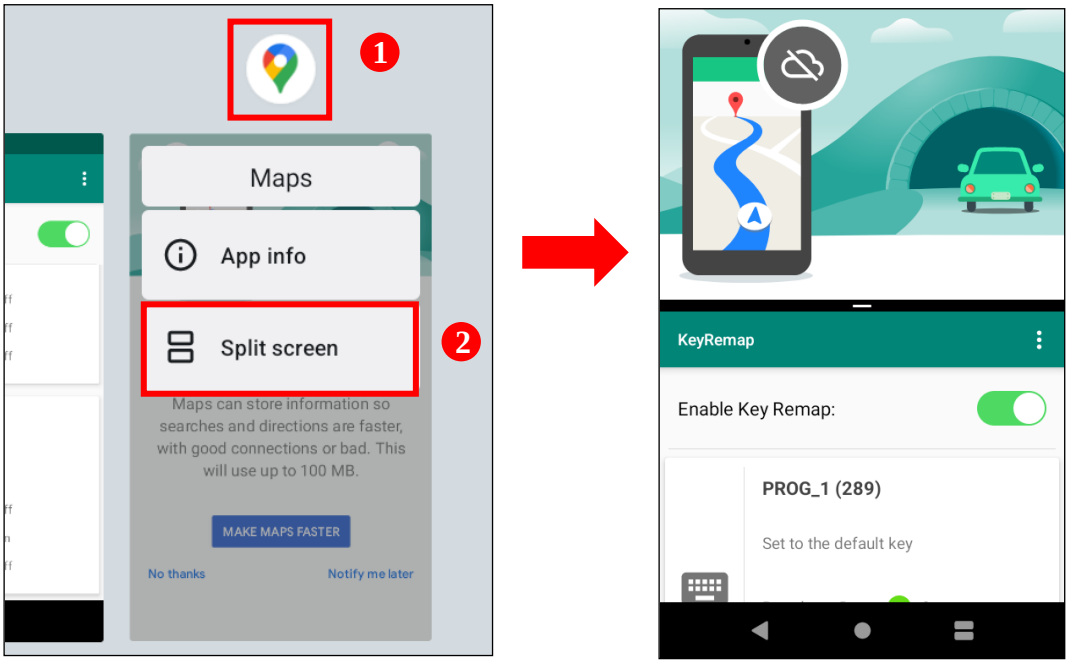
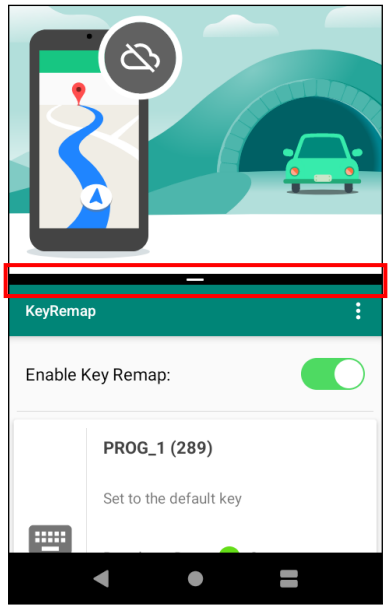
2. Tap and hold the icon which appears above the APP thumbnail and then select “Split screen.” First APP “Split screen” will be on top of the screen. For another APP to show on the bottom half of the screen, simply tap on the APP thumbnail.



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.



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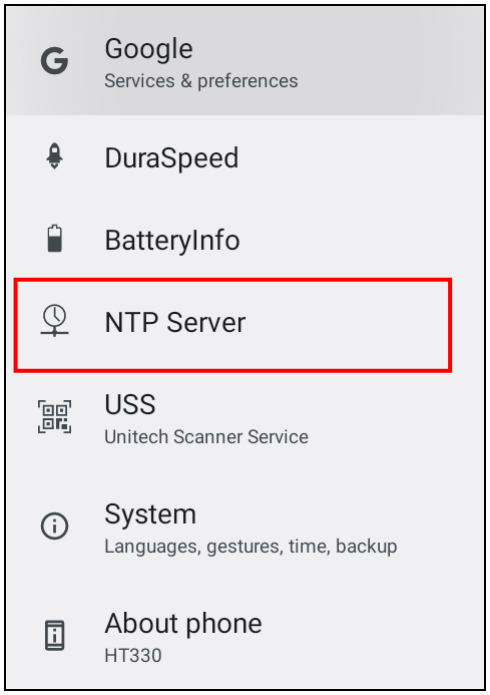
2.13 Network Time Protocol (NTP) Server

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.**



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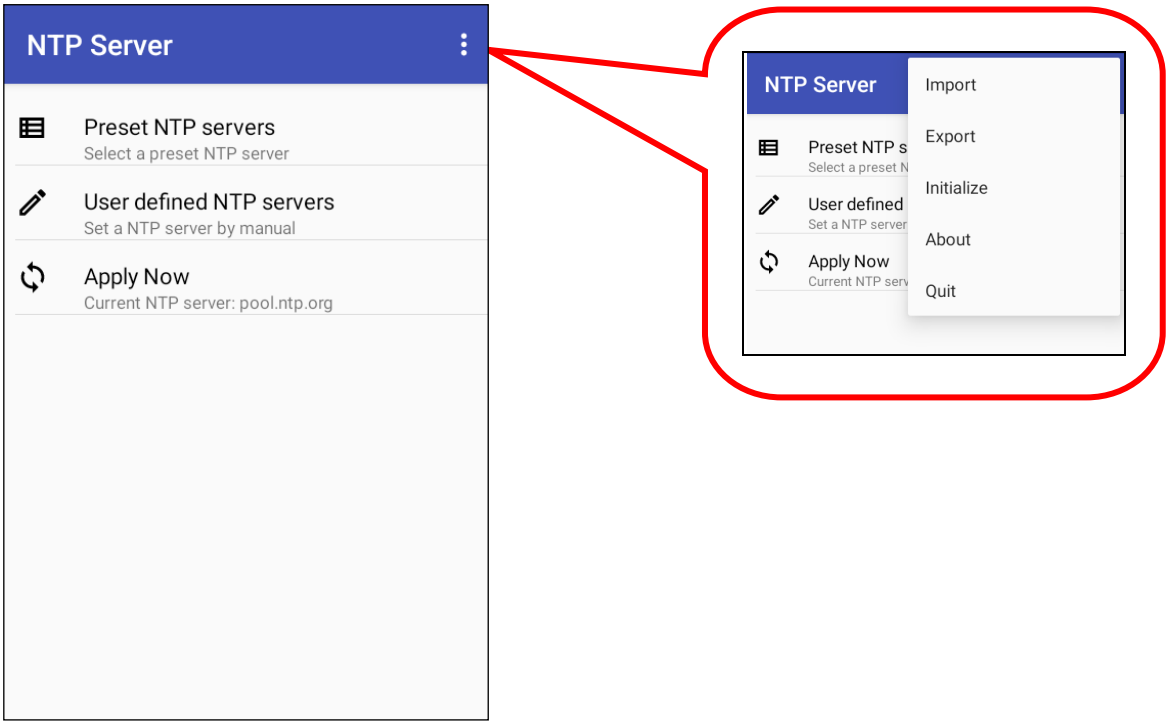
2. On NTP Server, please choose the system preferences to set up network time.



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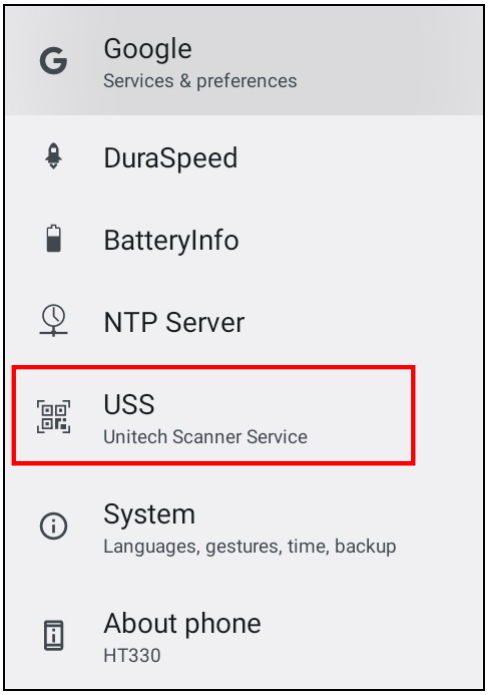
Chapter 3 – Introduction to Applications

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 now enter the Unitech scan service application.

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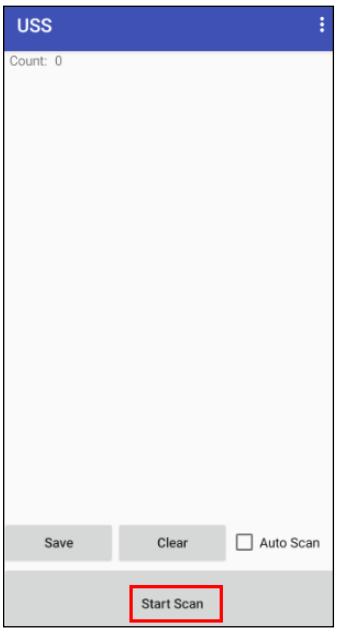
3.1.1 How to scan

1. Aim the Barcode Scan Engine to the barcode and press the scan trigger key or tap **Start Scan button**.

Scanner

Trigger Key

OR



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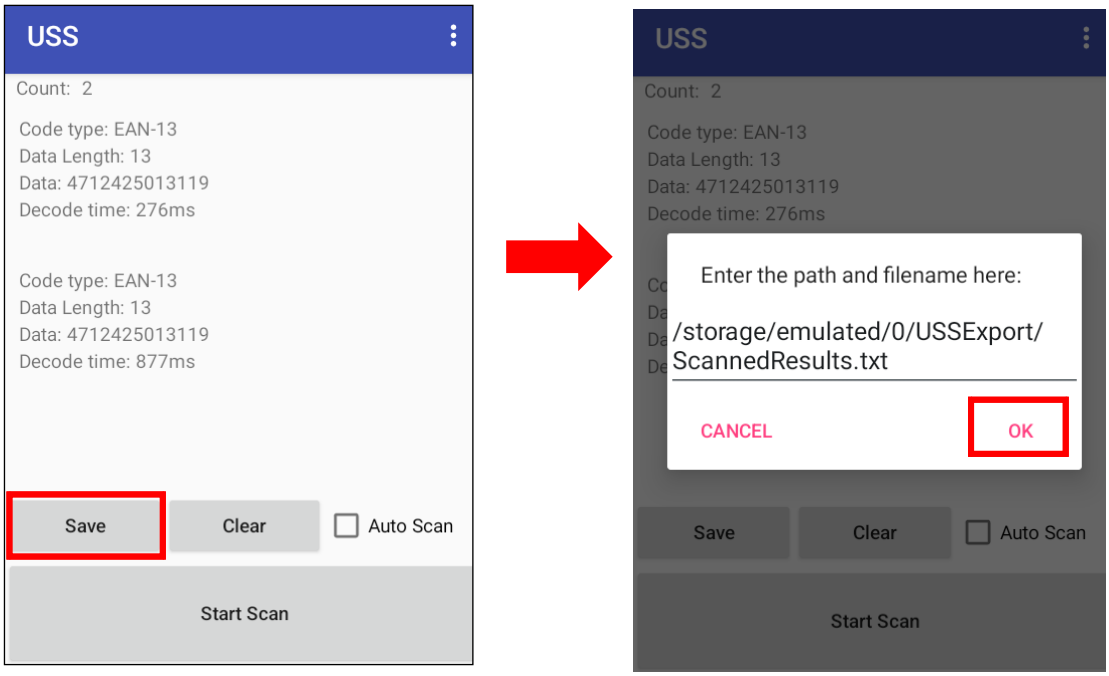
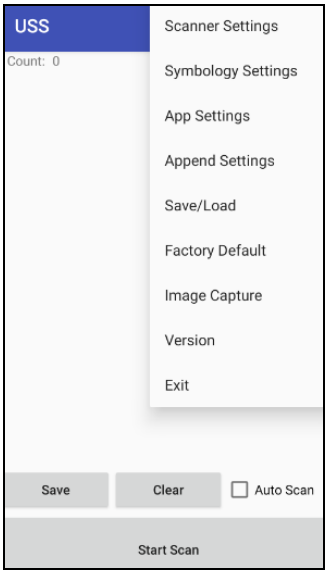
2. After scanning the barcodes, the barcode information is shown as below.

3. To save the scanned data, tap **Save** and enter the path and filename, then tap **OK.**



4. More Options

For more options and settings, please tap .



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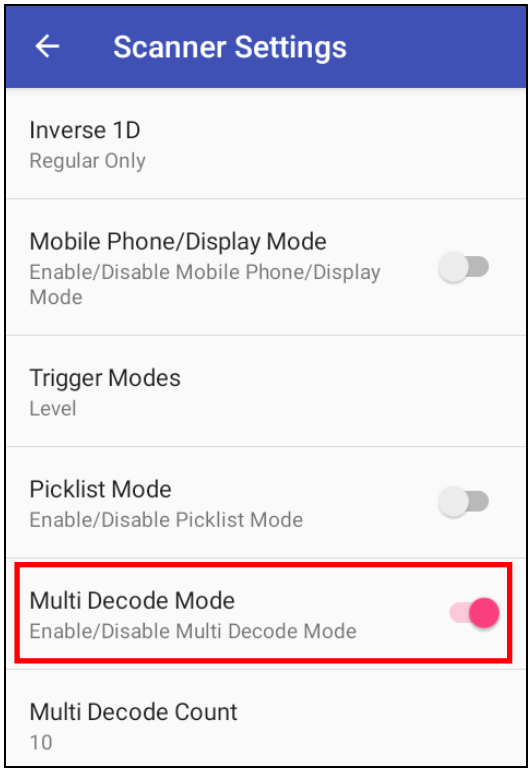
3.1.2 Multi Decode Scan Mode

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 (up to 10 counts) and start multi decode scan.



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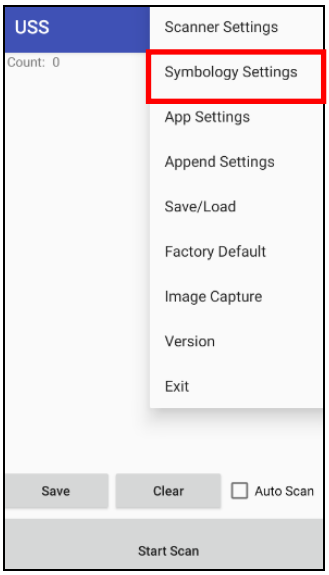
3.1.3 Bookland ISBN

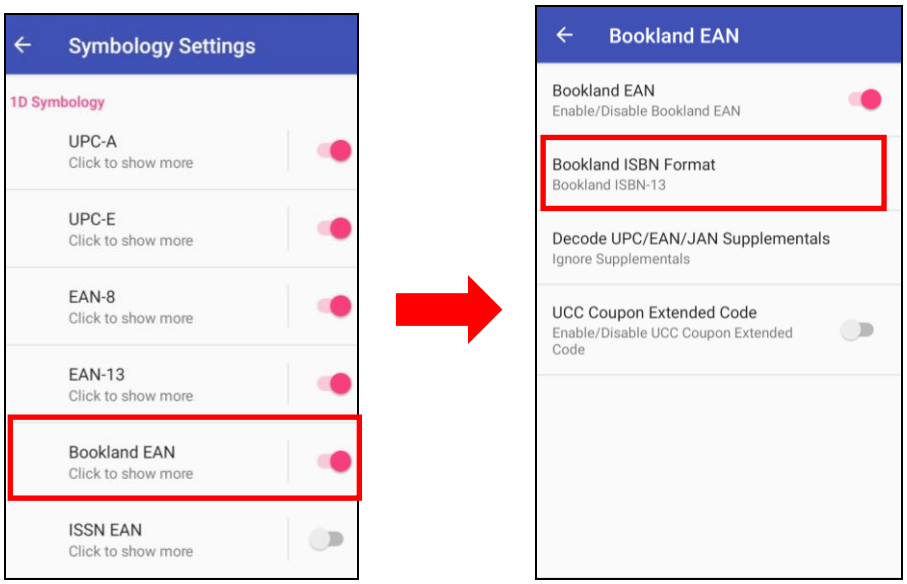
The Bookland ISBN format supports two types of barcodes, including Bookland ISBN-10 and Bookland ISBN-13.

The default of HT330 is Bookland ISBN-10. If you are unable to scan the barcode, please switch to Bookland ISBN-13 following the instructions below.

1.Please tap and tap on Symbology Settings.



2. Tap on Bookland EAN, then tap on Bookland ISBN Format.



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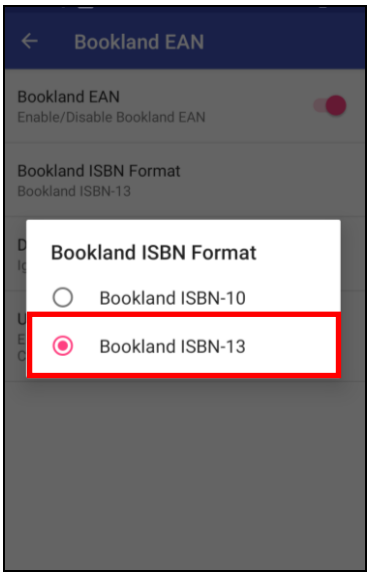
3, Select Bookland ISBN-13.



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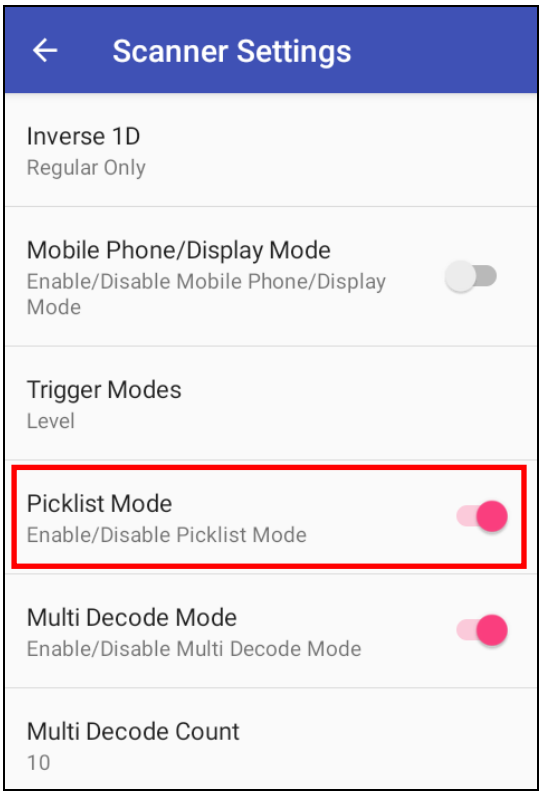
3.1.4 Picklist Mode

Picklist mode enables HT330 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.



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3.1.5 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

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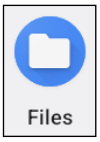
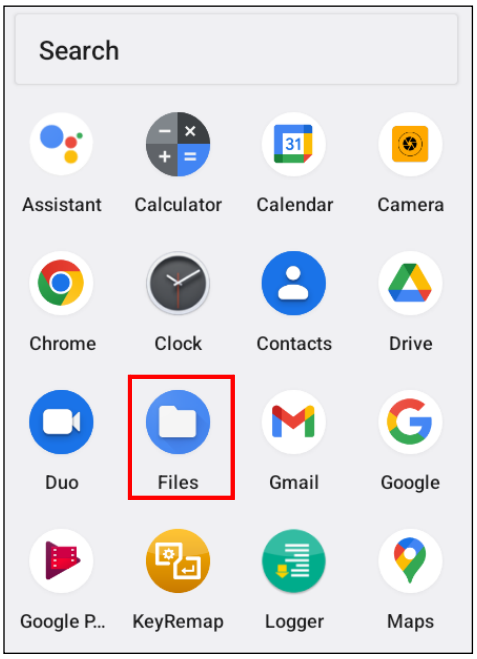
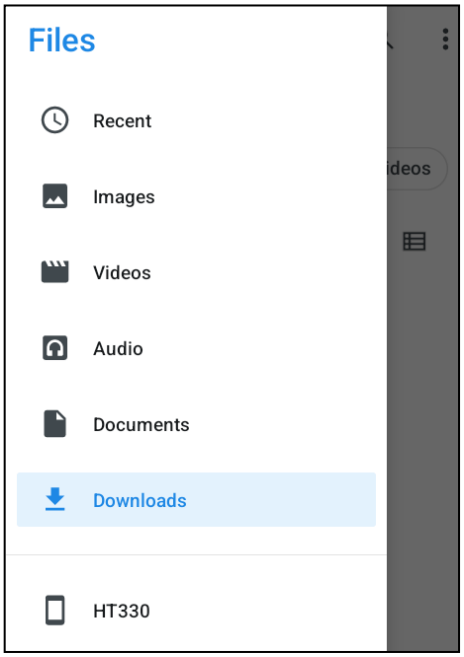
3.2 Files

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

tap **Files** 





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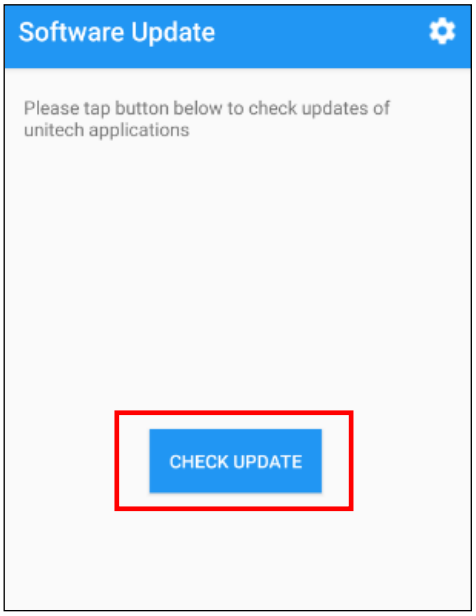
3.3 Software Update

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

Software Update and then tap **App Update Center**.
2. To update or check the latest version of each application, please tap **CHECK UPDATE.**
3. Select the Apps to be updated, and click Update.



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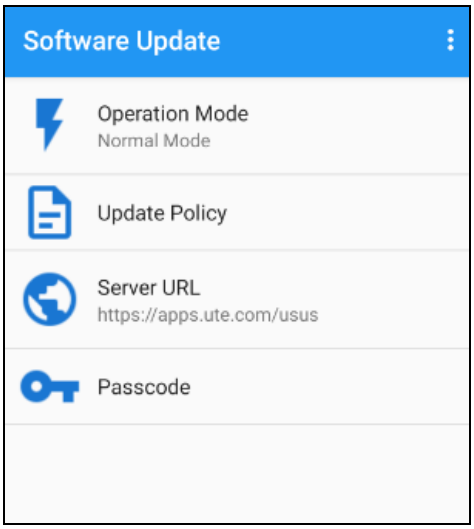
3.3.1 Software Update Settings

Tap for more settings on Software Update.



Import / Export/ Reset

- **Operation Mode**
  - Normal Mode → User can manually select apps to update
  - Auto Mode → Apps are automatically checked and updated each time Software Update is run.
  - Silent Mode →Similar to Auto Mode, but the GUI is hidden when updating (Software Update is run in the background).

- **Update Policy**
  - App Updates → Configure whether all or only the selected apps are updated, or turn off App Updates altogether.
  - New App → Configure whether new apps are being installed when they become available for your device.

- **Passcode** → Configure a password to access the Software Update Settings menu.

- **Import / Export / Reset** → Import or Export settings to a file, or Reset all settings to factory default. You can find the exported settings file in the Internal Storage: /Unitech/usus/usus_config.stxt

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3.4 StageGO

StageGO is a barcode-based device staging solution from Unitech. StageGO helps IT admins to swiftly set up a device by just a few barcode scans.

Features

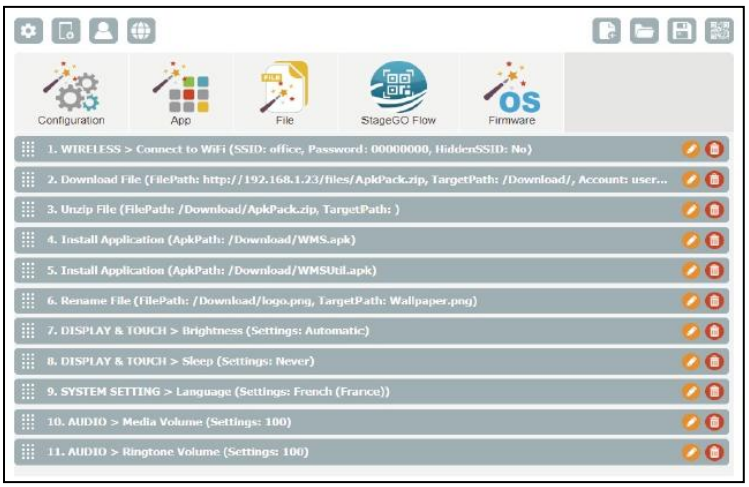
- Swift and effortless device staging for Unitech Android Mobile Devices.
- Device staging becomes more accessible, time-efficient, and secure.
- Complete device control at your fingertips.
- Data Compression.
- Security and Privacy.
- No installation required.

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

Step1: Create Script –

Create Script

It all begins with IT staff creating a StageGO Script on the easy-to-use and secure web-based Script Editor. A StageGO script can contain one or more staging commands such as change system settings, connect to WiFi, download files, install apps, or set restrictions, etc.



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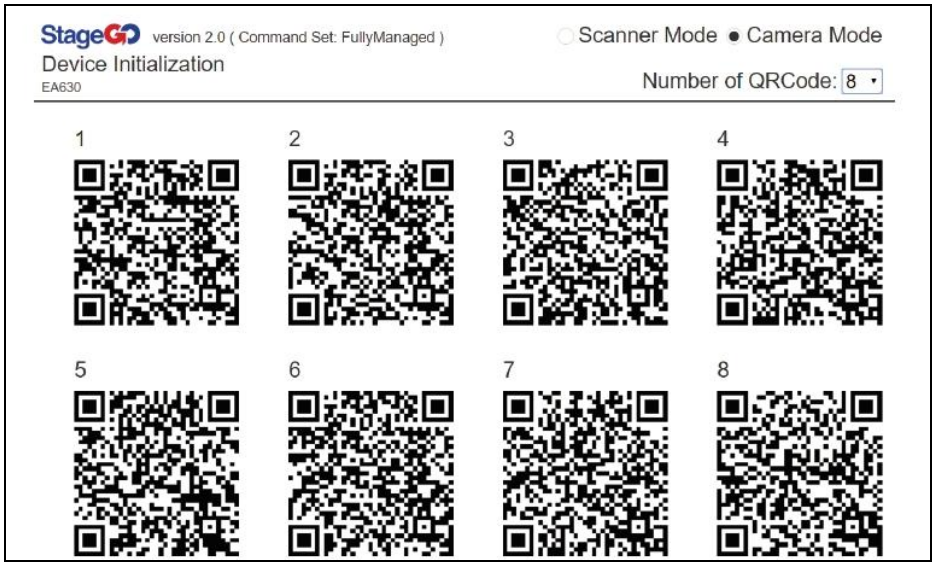
Print QRCode

This is when the script is ready to be transformed into QRCodes and get printed out for distribution to the fields. The QRCodes are always encrypted so that sensitive information such as username and passwords will stay hidden. You can also choose to save your script as an ecnrypted file and share it with a colleague.



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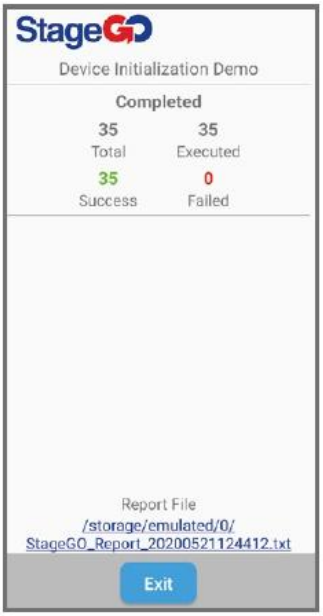
Step 3. Scan QRCode:

The device user scans all the QRCodes into the StageGO app, or alternatively load script from file. The script will then automatically start to execute. Users will be informed of the progress of the execution, and should any execution errors occur, the execution report can be shared to IT admins for investigation.



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