4-inch Rugged Handheld Terminal

- HT730 (38 keys) -

User Manual

Version 2.1

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Revision History

Date	Change Description	Version
2021/02/25	first published version	1.0
2021/3/26	Add USS link	1.1
2021/5/26	Add battery status / health service / battery note	1.2
2021/7/9	Checking LED Status	1.3
2021/7/12	LED State Change	1.3
2021/7/22	Add Canadian Compliance Statement	1.4
2021/10/6	Update Battery Remove method	1.5
2023/02/14	Add 1.5.1 Soft Keypad Instruction	1.6
2023/10/11	Update Battery Notice (charge to around 50%)	1.7
2024/5/3	Add Limit Function Section	1.8
2024/8/15	Update Relevant Battery Information	1.9
2024/12/25	Update CE Compliance	2.0
2025/06/04	Add Privacy Policy	2.1

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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.

Canadian Compliance Statement

This device complies with Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

(i) the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
(ii) for devices with detachable antenna(s), the maximum antenna gain

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permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;

(iii) for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; and

(iv) where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

Canada, avis d'Industry Canada (IC)

Cet appareil est conforme avec Industrie Canada exemptes de licence RSS standard(s).

Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas causer d'interférence et (2) cet appareil doit accepter toute interférence, notamment les interférences qui peuvent affecter son fonctionnement.

(i) les dispositifs fonctionnant dans la bande de 5 150 à 5 250 MHz sont réservés uniquement pour une utilisation à l’intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) ii.pour les dispositifs munis d’antennes amovibles, le gain maximal d’antenne permis pour les dispositifs utilisant les bandes de 5 250 à 5 350 MHz et de 5 470 à 5 725 MHz doit être conforme à la limite de la p.i.r.e;

(iii) iii.pour les dispositifs munis d’antennes amovibles, le gain maximal d’antenne permis (pour les dispositifs utilisant la bande de 5 725 à 5 850 MHz) doit être conforme à la limite de la p.i.r.e. spécifiée, selon le cas;

(iv) lorsqu’il y a lieu, les types d’antennes (s’il y en a plusieurs), les numéros de modèle de l’antenne et les pires angles d’inclinaison nécessaires pour rester conforme à l’exigence de la p.i.r.e. applicable au masque d’élévation, énoncée à la section 6.2.2.3, doivent être clairement indiqués.

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RF Radio Frequency Exposure Information

The radiated output power of the Wireless Device is below the Industry Canada (IC) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.
This device has been evaluated for and shown compliant with the IC Specific Absorption Rate (“SAR”) limits when operated in portable exposure conditions.

Informations concernant l'exposition aux fréquences radio (RF)

La puissance de sortie émise par l’appareil de sans fil est inférieure à la limite d'exposition aux fréquences radio d'Industry Canada (IC). Utilisez l’appareil de sans fil de façon à minimiser les contacts humains lors du fonctionnement normal.
Ce dispositif a été évalué pour et démontré conforme à la Taux IC d'absorption spécifique ("SAR") des limites lorsqu'il est utilisé dans des conditions d'exposition portatifs.

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。

SAR標準值2.0W/KG, 送測產品實測值為: 0.395 (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；未滿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。

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

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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.

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.

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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.

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.

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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.

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.

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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:

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Chapter 1 - Overview

1.1 Package

Please make sure the following contents are in the HT730 gift box.
If something is missing or damaged, please contact your Unitech representative.

The basic package contents

- HT730
- Battery
- Hand Strap
- Quick Start Guide
- Regulatory Compliance Statements

Optional accessories

- Terminal Power Adapter
- Cradle + Cradle Adapter
- 1-slot Terminal & Battery Charging Cradle
- 1-slot Ethernet & Battery Cradle
- 1-slot USB & Battery Cradle
- Glass Screen Protector
- USB Type C Cable

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1.2 Product Detail

①	Scanner Window	⑥	Receiver
②	13m Camera & LED Flash Light	⑦	Pogo pin
③	LED Indicator	⑧	USB Type C Port
④	Scanner Trigger Key	⑨	Battery Release Latch
⑤	Keypad	⑩	Battery Cover

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1.3 Specifications

System Features	
CPU	Qcta-core 2.3 GHz, Qualcomm 720G (SM7125)
Memory	4 GB RAM 64 GB Flash
Expanded slot	Micro SD/TF x 1 (maximum of 128 GB)
OS	Android™ 10
Languages support	English, Simplified Chinese, Traditional Chinese, Japanese, Spanish, German, French and multiple languages
Display	
4”TFT-LCD WVGA (480x800) color screen (400 nits)	
Touch Panel	
Ultra-sensitive capacitive touch screen, compatible with gloves and support wet resistance	
Keypad	
Numeric and Function(Default) / Numeric keypad Hard silicon keypad with backlight	
Indicator	
LED, Speaker, Vibrator	
Engines	
2D	N3603 N6703 EX30

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Audio	
One speaker (8 ohm / 2W output), One receiver (32 ohm), MIC and Headset interface connect to Type-C connector	
Regulatory Approvals	
CE, RED, FCC, NCC, VCCI, TELEC, CCC, SRRC	
I/O Interfaces	
USB	USB Type-C Support USB OTG
POGO PIN	Custom IO connector (include USB Host)
SIM Slot	Nano-SIMx 2
Communication	
Camera	13 MP Rear and Flash Light
Bluetooth®	Bluetooth® 5.1
WLAN	802.11a/b/g/n, 802.11ax-ready, 802.11ac Wave 2(Dual Antenna, MIMO 2X2 support)
WWAN	LTE Advanced Support Up to CAT4 LTE (FDD) – Bands 1, 2, 3, 4, 5, 7, 8, 17, 20, 28 LTE (TDD) – Bands 38, 39, 40, 41 UMTS/HSPA+ (3G) – Bands 1, 2, 5, 8 GSM/GPRS/EDGE Quad-Band (850/900/1800/1900 MHz)
GPS	GPS, GLONASS, Galileo, BeiDou
RFID	
UHF	Frequency : 865~868MHz, 902~928MHz Protocol : EPC global Class 1 Gen 2 ISO 18000-6C/6B Antenna gain : 3dbi Output Power : 1-30dbm adjustable Data Capture Range : 6~8 meters"
HF	Frequency 13.56Mhz ISO14443A/B, ISO15693 standard, NFC, MIFARE, Felica"
Power Source	
Standard Battery	3.7V 6700mAh
Hot Swap Battery	Keep applications active up to 1 minute
Enclosure	

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Weight	395g (with battery)
Dimension	195 mm x 72 mm x 34 mm
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)
Charging Temperature	32°F to 113°F (0°C to 45°C)
Relative Humidity	5% ~ 95% (non-condensing)
Drop test to Concrete	1.8m 2.4m (with Bumper)
ESD	+/-8KV direct discharge, +/-15KV air discharge
Environmental Sealing	IP65 / IP67

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

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.*

1.4.1 Install / Remove the Battery Cover

■ Install the battery pack and the battery cover

1. Slide and position the battery pack, making sure the battery contacts are aligned with the contacts in the battery compartment.

2. Make sure the battery release latch is in the unlocked position.

3. Insert the battery cover up to 45 degrees (45°), from bottom to top. Press the battery cover down to secure in place and then slide the battery release latch to the locked position.

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■ Remove the battery cover and the battery

There are two ways to remove the battery, the following is the first method.

1. Make sure the battery release latch is in the unlocked position.

2. Grab the battery cover from the two recesses and lift gently upward to remove the battery cover.

3. There are two ways to remove the battery. First one is by pulling the pull tab in the battery compartment to remove the battery. Make sure the pull tab stays inside of the battery compartment when closing the cover.

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.

NOTE: After installing the battery, make sure the battery cover is securely closed.

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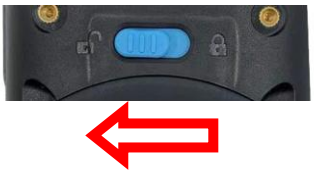
The second way to remove the battery is shown as follow:

1. Make sure the battery release latch is in the unlocked position.



2. Grab the battery cover from the two recesses and gently lift upward, stop when you feel a resistive force. Press the battery cover against the battery, and lift the battery upwards until you remove the battery.
   (The process follows the principle of lever).

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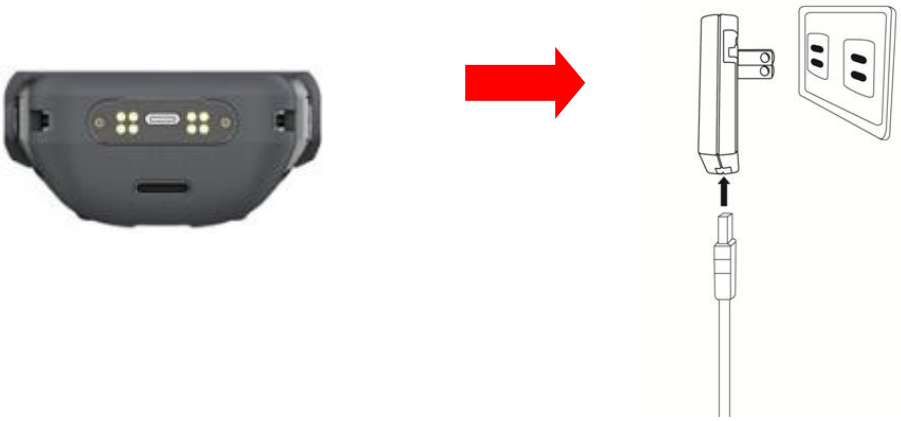
1.4.2 Charging the Battery

Using the terminal for the first time, you need to charge it for about 24 hours. For the regular use, you can charge the terminal with the USB Type-C cable. It takes within 4 hours to charge the terminal with the cradle to full capacity.

Connect the Type-C USB cable to the USB port on HT730 and connect the other end of the USB cable to AC power adapter. Then plug into the electrical outlet. It is highly recommended that using the Unitech USB Type-C cable and AC power adapter to charge the terminal.

The charging LED indicator on HT730 is turning red when it is in charging state. The green light is on after the battery is fully charged.



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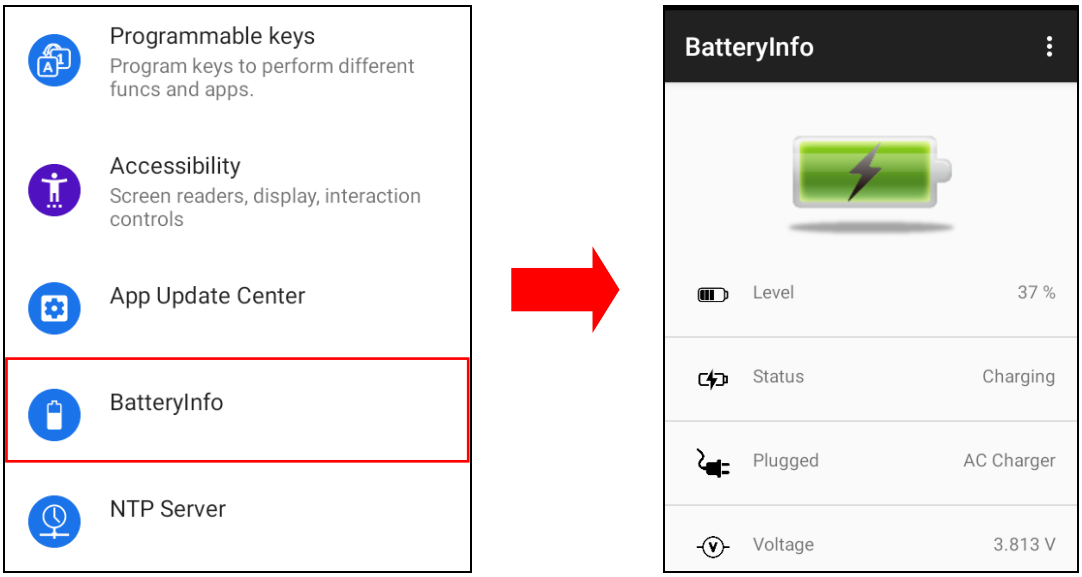
1.4.3 Battery Info

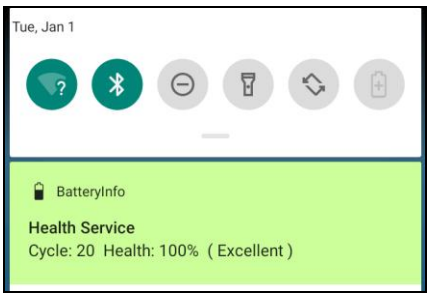
Please go to **Settings** → **BatteryInfo** for more detailed battery information.



1.4.3.1 BatteryInfo Health Service

BatteryInfo health service information will display on both HT730 lock screen and the notification bar.

- When the battery health is higher than 80%:



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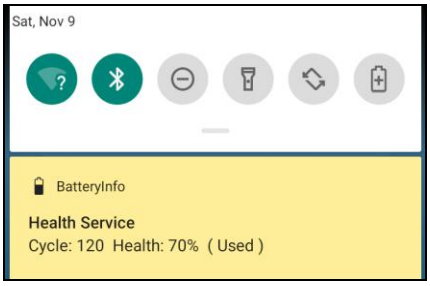
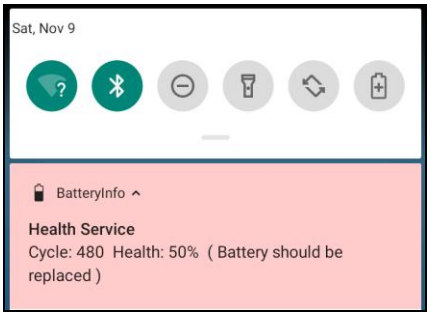
■ When the battery health is higher than 60%:



■ 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.

1.4.3.2 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.

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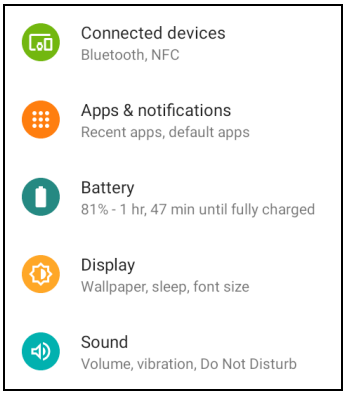

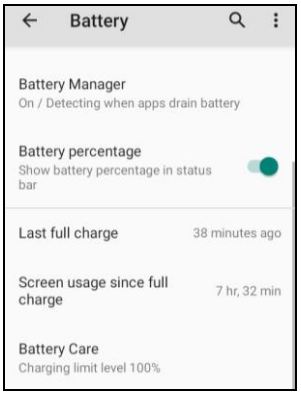

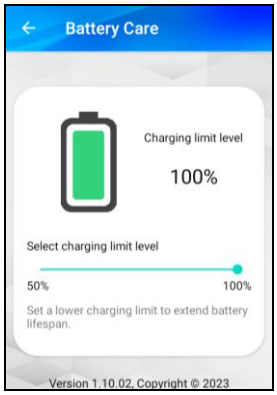

Here's how it works:

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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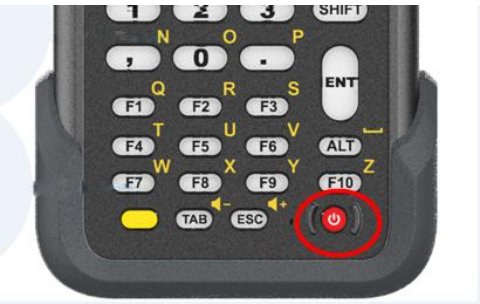
1.4.4 Turning on the terminal for the first time

It is recommended to fully charge HT730 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.



1.4.5 Checking the LED status

	LED	Description
Terminal	Red Light	■ Battery Charging ■ Twinkling together to indicate battery low status (less than 15%) when power on. ■ Twinkling alternate to indicate battery is not installed or not installed well when battery charger was plug-in.
	Green Light	■ Battery Fully charged ■ Barcode scan good read
	Blue Light	Message
	No LED (Red and Green) display when battery is out.	

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, please back up your data, and then recharge your device as soon as possible.

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1.4.6 Using the Micro SD / Nano SIM Card

The HT730 has 1 x micro SD and 2 x nano SIM card slots inside the battery compartment.

Note: Please <u>TURN OFF</u> the terminal, before inserting or removing micro SD card or nano SIM card,

Inserting Micro SD/ Nano SIM Card

1. Make sure the battery release latch is in the unlocked position.

2. Grab the battery cover from the two recesses and lift gently upward to remove it. Remove the battery by pulling the pull tab.

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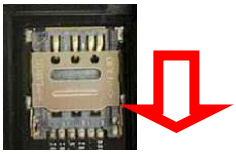
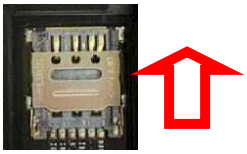
3.

SIM 1 & 2 Card Slot

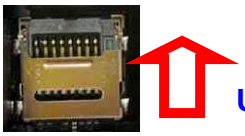
Push down SIM card holder to unlock and lift the card holder to insert SIM card.
Close the card holder and slide up to lock position. Ensure that it is installed properly.

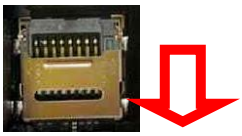




MicroSD Card Slot

Push up MicroSD card holder to unlock and lift the card holder to insert MicroSD card.
Close the card holder and slide down to lock position. Ensure that it is installed properly.





4. Replace the battery back and the battery cover and lock the cover. Make sure the battery cover is securely closed.

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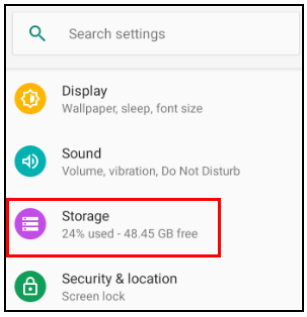
Checking HT730 storage

Please go to **Settings**

and tap **Storage** to check the HT730 storage.



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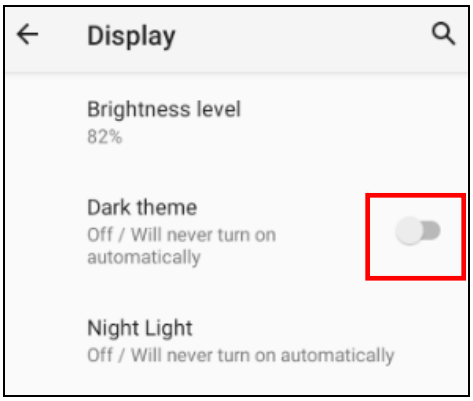
1.4.7 How To Enable Dark Theme

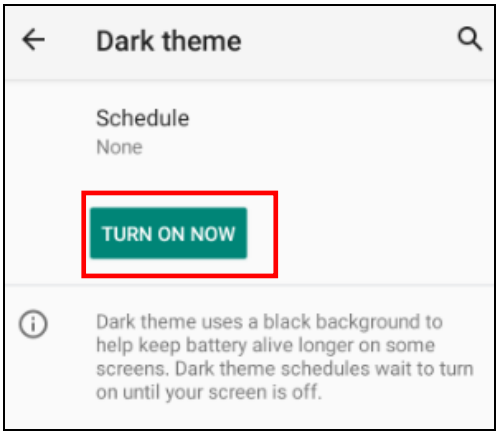
Dark mode is a feature that allows you to switch to the dark theme of an app or an entire desktop operating system.

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



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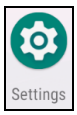
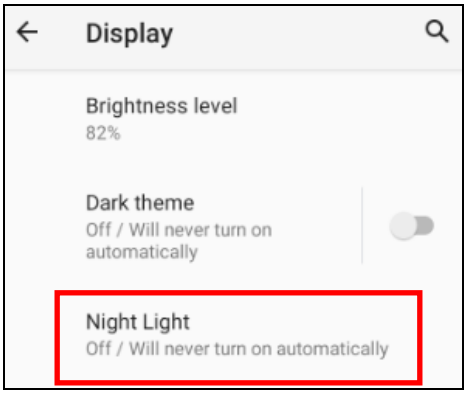
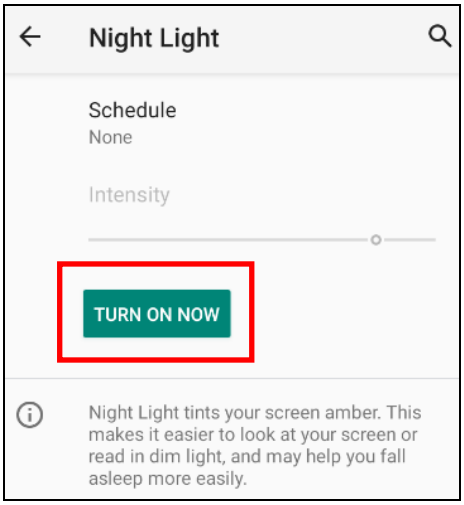
1.4.8 How To Enable Night Light

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**.





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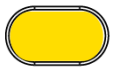
1.5 Keypad Definition

Key	Description
	Power key
	Press the yellow alpha key to access the alternate alpha characters. Toggle between numeric and alphabetic entry modes. The icon appears on the Status bar. Press and release the orange alpha key again to return to the default keypad functions.
	Programmable key
	Scan key
	Moves right, up, down, or left from one item to another.

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Key	Description
E 7 F 8 G 9 H 4 I 5 J 6 K 1 L 2 M 3 N , O 0 P .	Numeric/Alpha keys Press the yellow alpha key to access the alternate alpha characters. Toggle between numeric and alphabetic entry modes.
Q F1 R F2 S F3 T F4 U F5 V F6 W F7 X F8 Y F9 Z F10	Special function keys
CTRL	CTRL key
BS	Backspace key
SHIFT	SHIFT key
ENT	Enter key
ALT	ALT key
TAB	TAB key
ESC	ESC key

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Key	Description
P .	Produces a period symbol
N ,	Produces a comma symbol

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1.5.1 How to Pull Up the Soft Keypad on HT730

- 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(296) →Action→UNKNOWN

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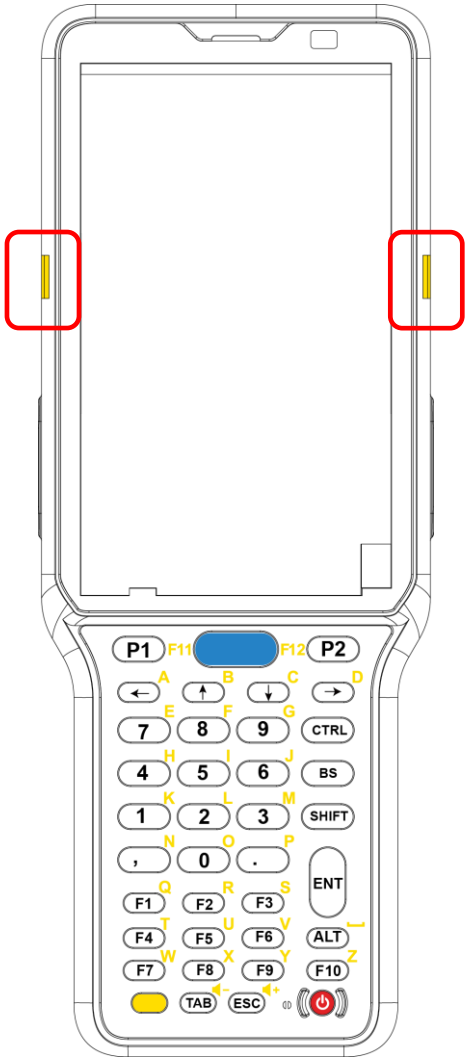
1.5.2 Using Keypad Combination

Press the yellow key, it will appear a symbol **A** in the status bar at the top of the screen. Then you can refer to the following table to execute the desired function or input.

When it's alpha mode, LED indicates solid yellow light.



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Key	Yellow Key + Key
P1	F11
P2	F12
Left Arrow	A
Up Arrow	B
Down Arrow	C
Right Arrow	D
ESC	🔊+
TAB	🔊−
ALT	Space
CTRL	CTRL
ENT	ENT
7	E
8	F
9	G
BS	BS
4	H

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Key	Yellow Key + Key
5	I
6	J
1	K
2	L
3	M
,	N
0	O
.	P
F1	Q
F2	R
F3	S
F4	T
F5	U
F6	V
F7	W
F8	X
F9	Y
F10	Z

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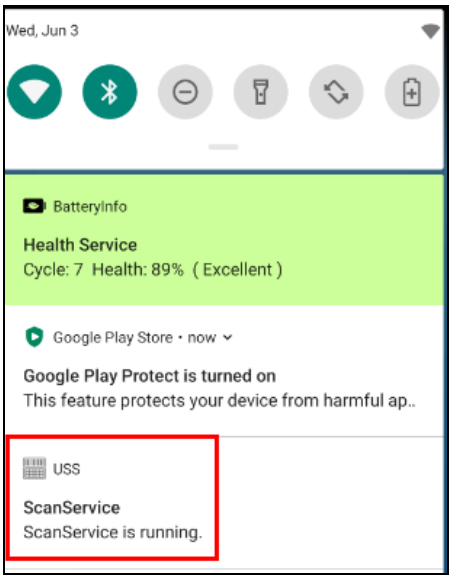
Chapter 2 – Installation & Operation

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.

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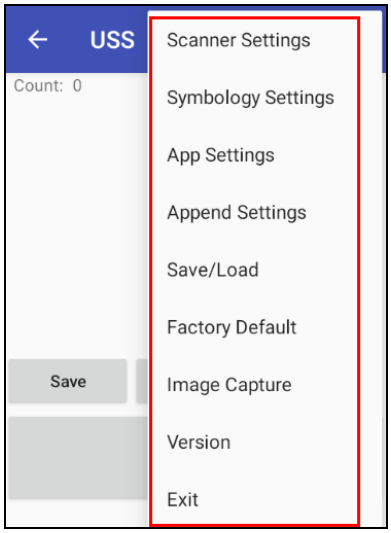
2.1.1 Settings

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



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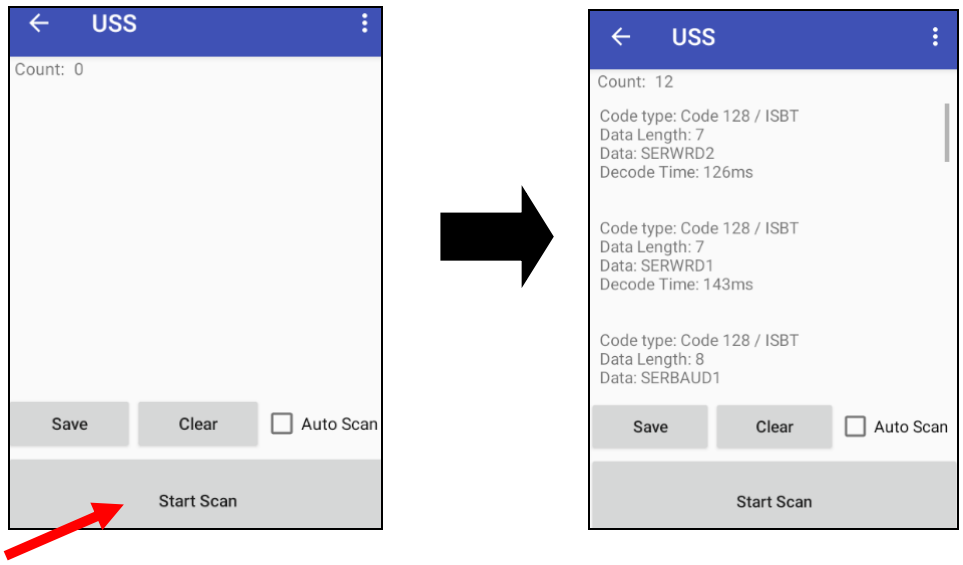
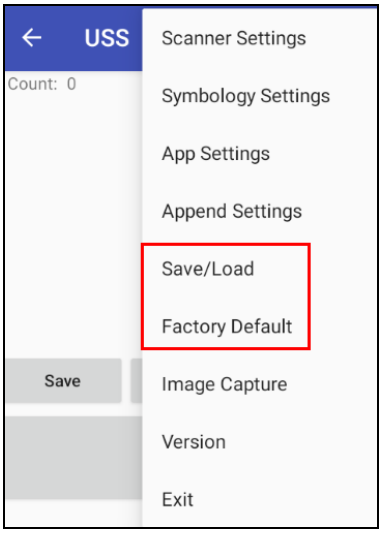
2.1.2 Barcode Scan

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



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

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



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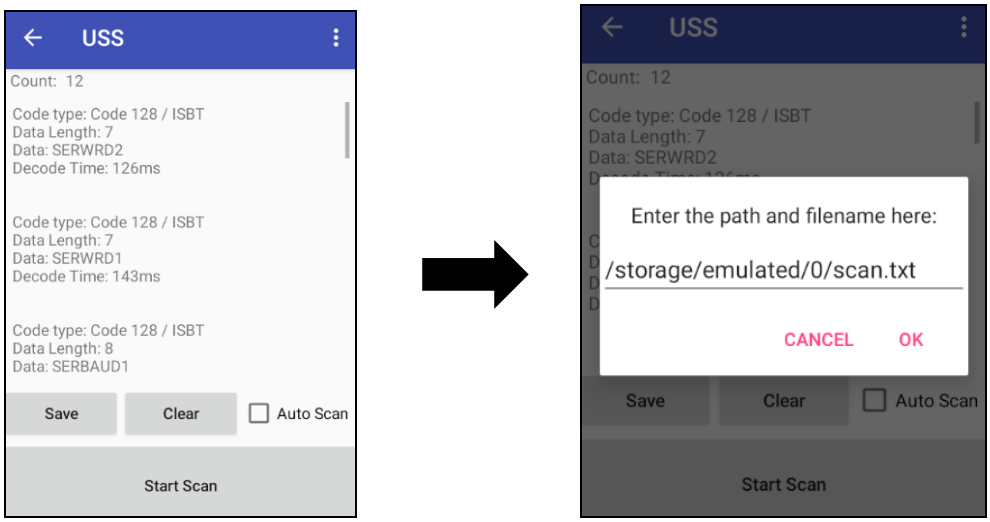
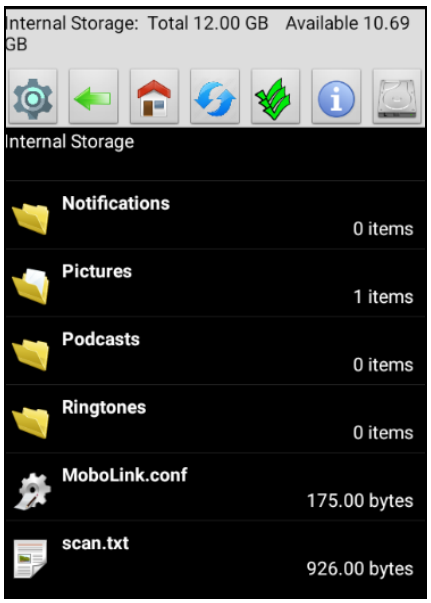
3. To save settings, you can also tap **Save** on the screen and input path then tap **OK**.



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



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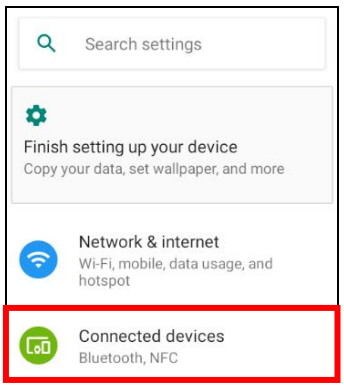
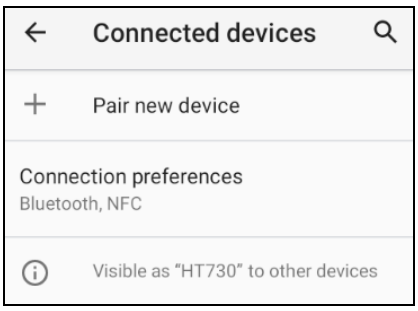
2.2 HF Setting

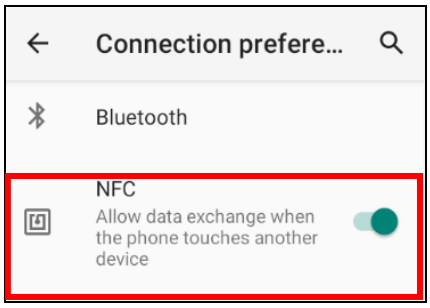
1. On the main screen, scroll the screen from down to top to reach the APPS, and tap

Settings and then tap **Connected devices**.



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





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3. Make sure that both devices are unlocked and have NFC turned on. Also make sure that the NFC antenna area of HT730 and the other devices' NFC area are close to one another. Slightly moving the phones until a connection is made. Tap the screen.

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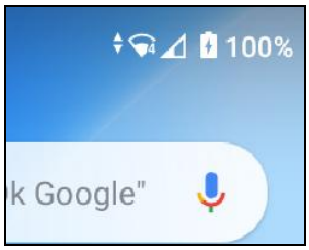
2.3 WWAN Setting

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](#).*

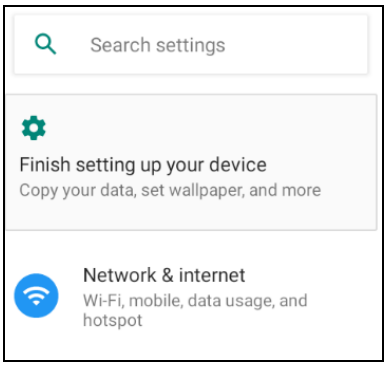
2. Turn on the terminal, 4G signal will show at the top of the screen.



2.3.1 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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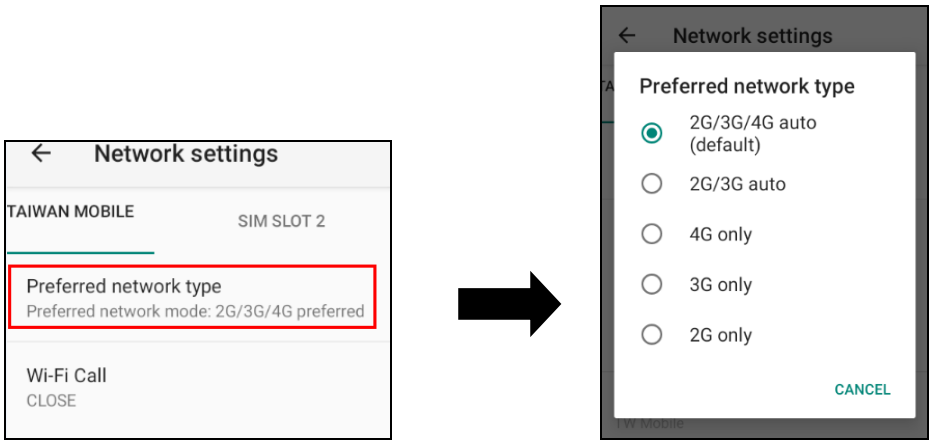
2. Tap **Mobile network** for more network settings.

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



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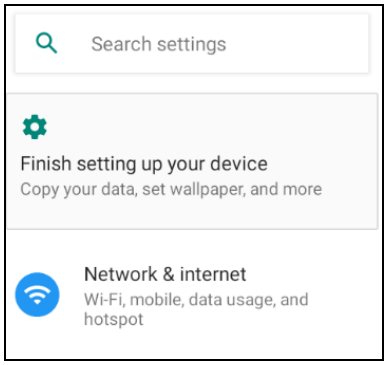
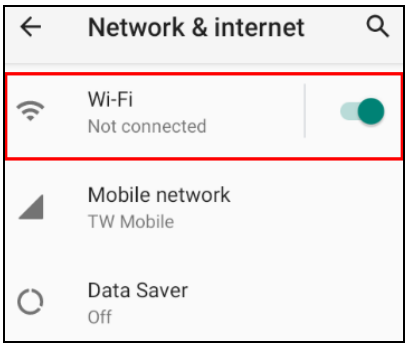
2.4 WLAN Setting

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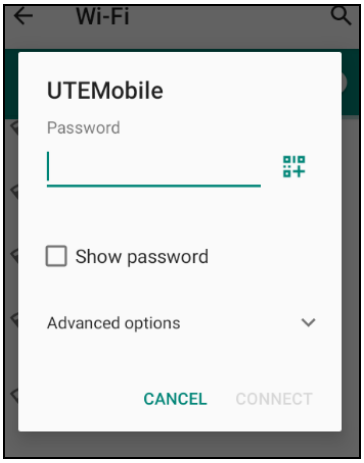
3. Choose the available networks, and enter the Password and tap **Connect.**



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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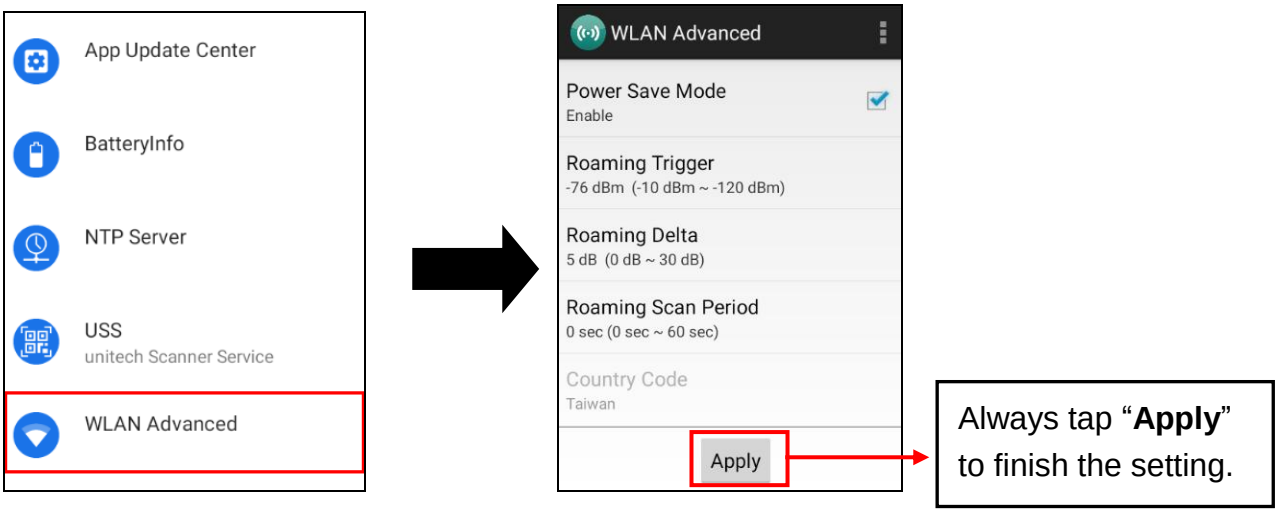
2.4.1 WLAN Advanced

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.**



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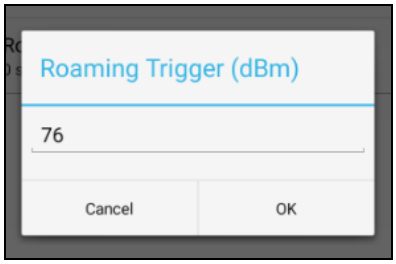
- **Power Save Mode**

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

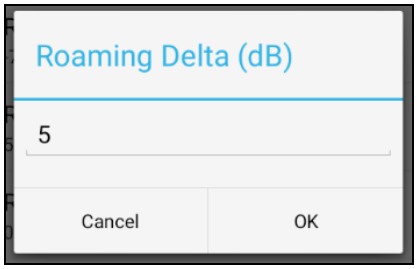
- **Roaming Trigger (Default : -76 dBm, Range : -10 dBm ~ - 120 dBm)**

  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.



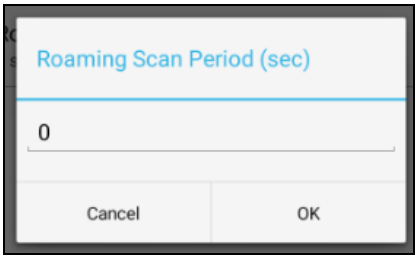
- **Roaming Delta (Default : 5 dB, Range : 0 dB ~ 30 dB)**

  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.



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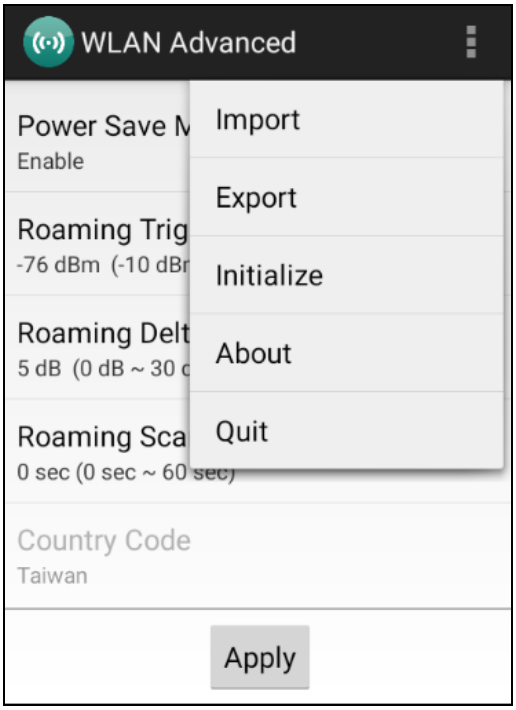
2.4.1.1 Other options

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



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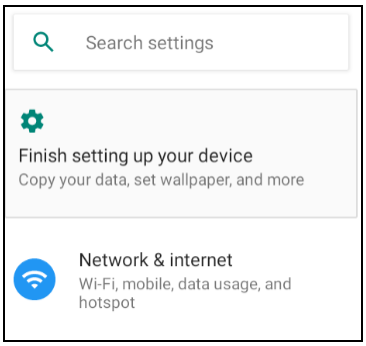
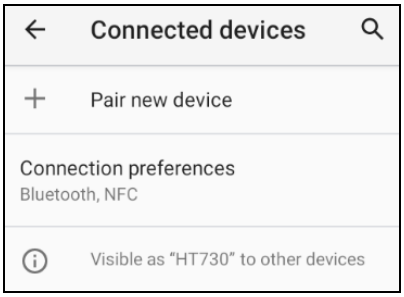
2.5 PAN Setting

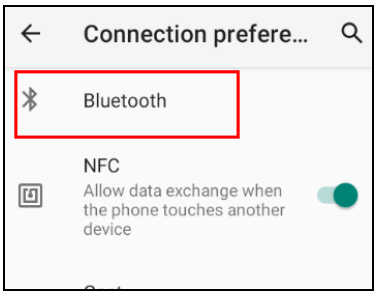
1. On the main screen, scroll the screen from down to top to reach the APPS, and tap

Settings and then tap **Connected devices**.

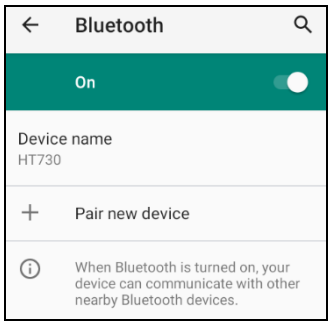


2. Tap **Connection Preferences** to enable **Bluetooth**





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



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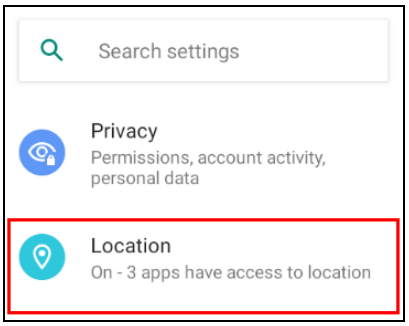
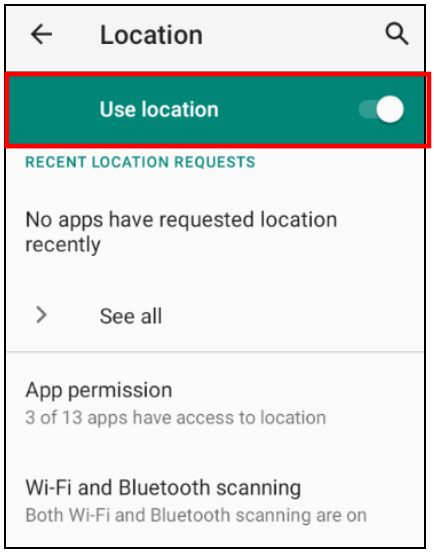
2.6 GPS Setting

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 the bar for the permission to use your location information.



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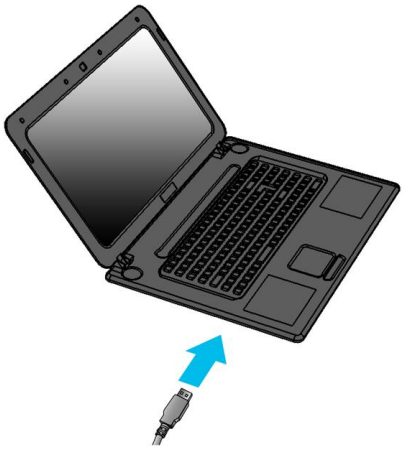
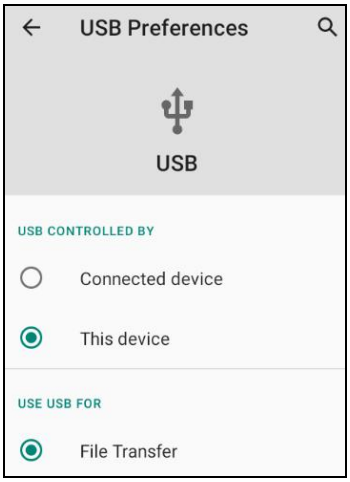
2.7 PC Setting

1. Connect HT730 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.



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2.8 Camera Setting

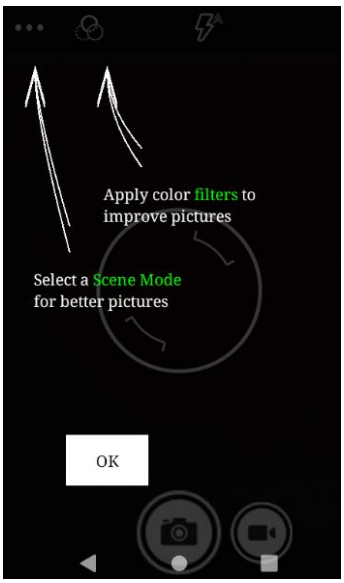
1. Scroll the screen from down to top to reach the APPS,

   and tap **Camera**.

13m Camera & LED Flash Light

2.8.1 Camera Settings

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



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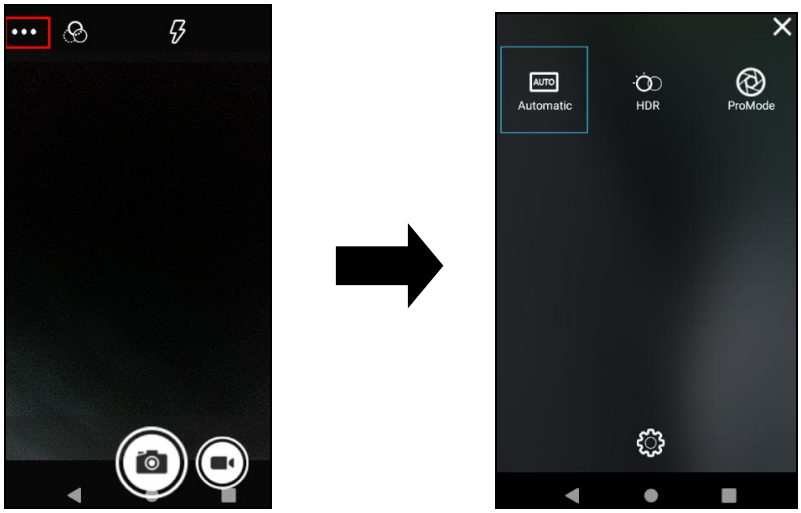
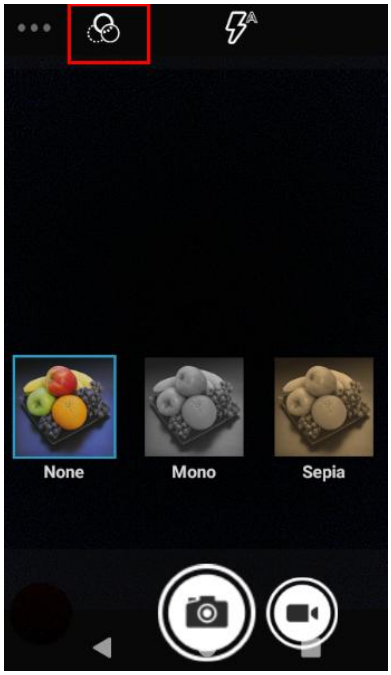
2.8.2 Scene Mode Setting



2.8.3 Camera filter effects



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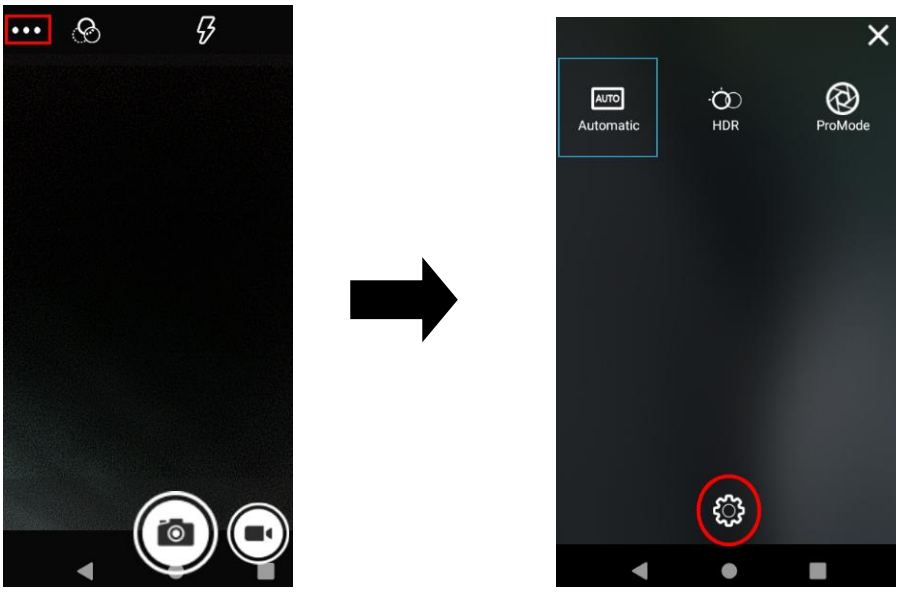
2.8.4 Settings

Please tap ••• to enter the settings section.



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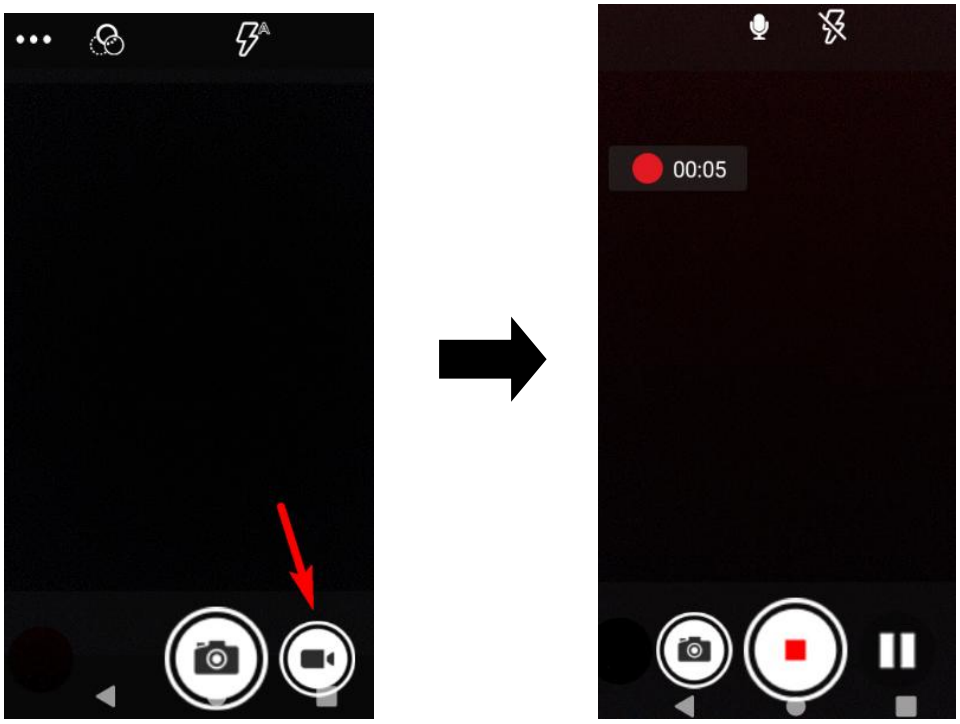
2.8.5 Record Videos

Once tap the record button, it will start recording.



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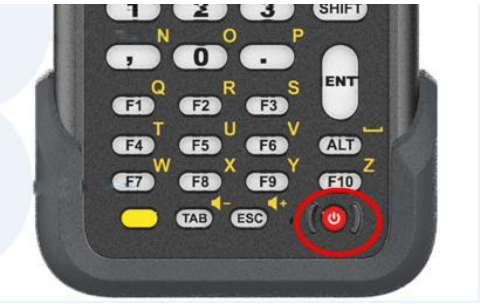
2.9 Performing a Hardware Reset

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 shut down the system and then press the **Power button** again to turn on the device.



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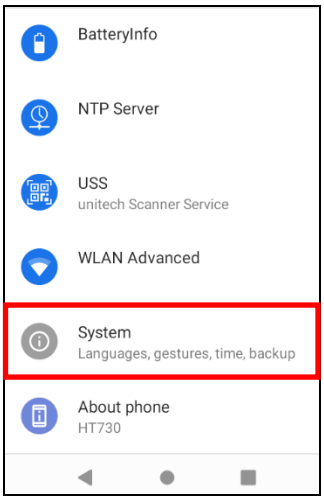
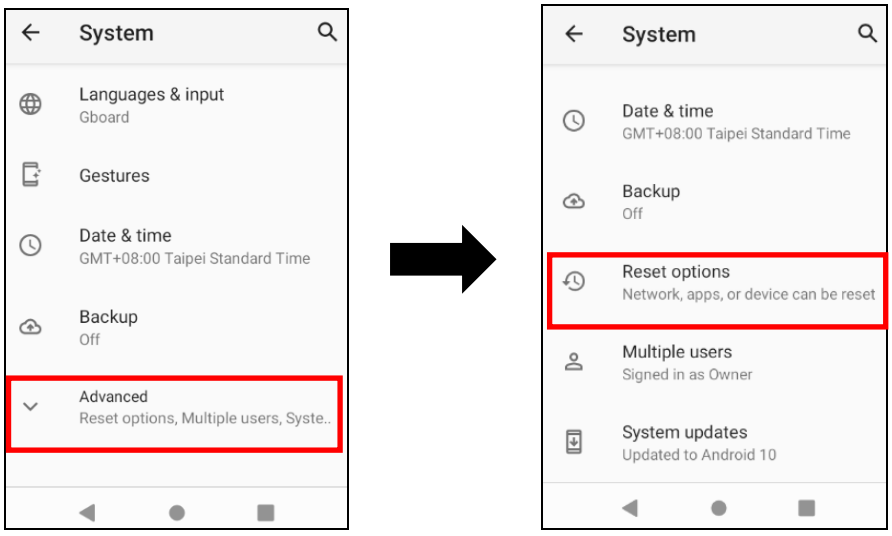
2.10 Performing Factory data reset

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

Settings and then tap **System.**



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



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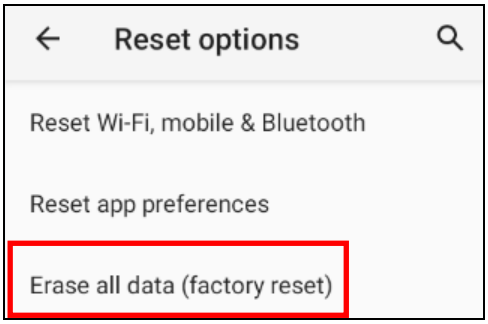
3. You can reset the system on **Reset options**.
   When you select **Erase all data (factory reset)**, it will erase all folders.



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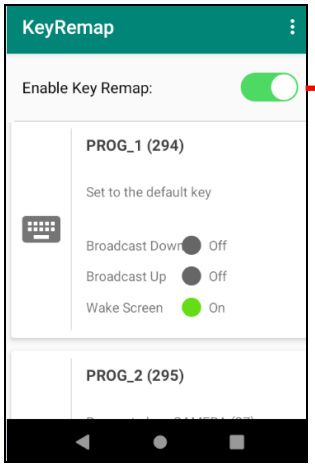
2.11 KeyRemap

The HT730's keys can be programmed for users to be able to perform different functions or applications.
Six options to use key remap functions : SCAN_LEFT, SCAN_RIGHT, SCAN_KEY, PROG_1, PROG_2 and TRIGGER_GUN

2.12.1 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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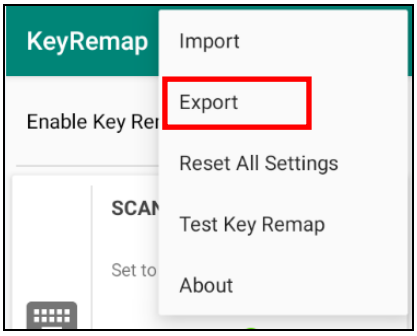
2.11.2 Export / Import a remap Key Configuration file

■ Export file

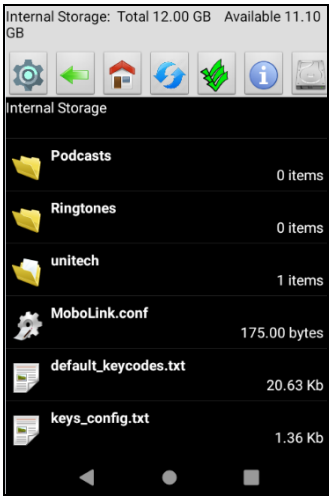
1. Tap
2. Select **Export**



The remap Key configuration can be exported to a text file or imported into HT730.

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

(For File Manager setting, please refer to 3.2 File Manager)



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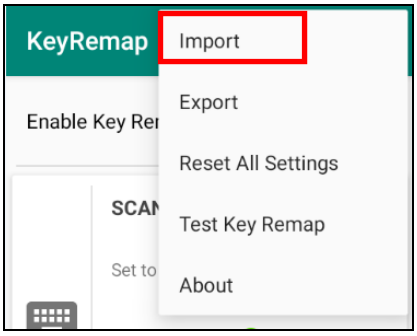
■ Import file

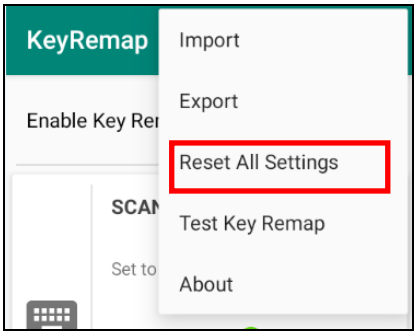
Before importing the file, please make sure the configuration file (keys_config.txt) is in File Manager.

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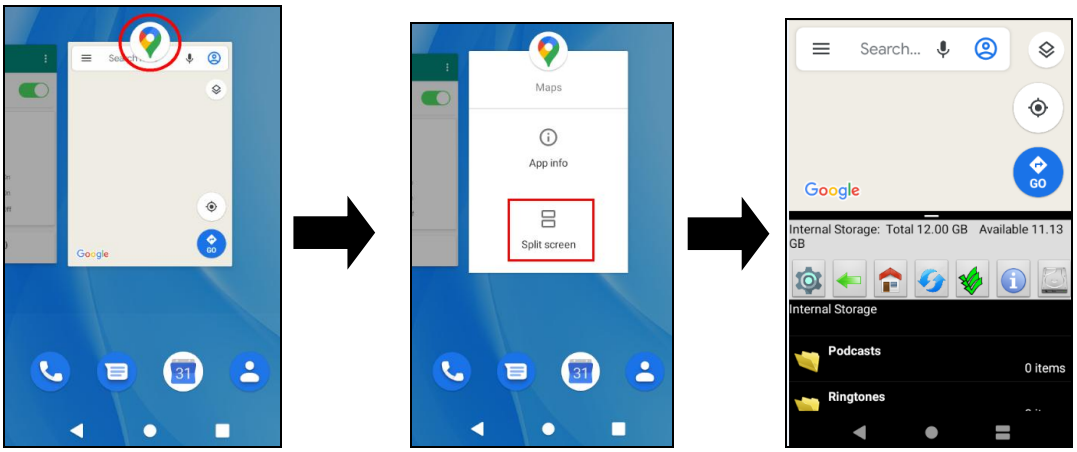
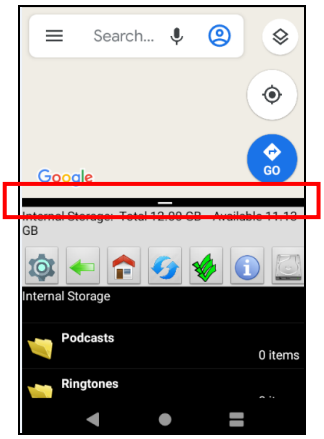
2. Tap and hold the thumbnail and then select “Split screen.” First APP “Split screen” will be on top of the screen. For another APP to show on the bottom half of the screen, simply tap on the APP thumbnail.



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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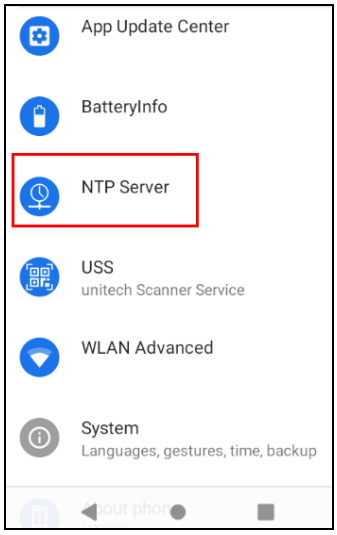
2.13 Network Time Protocol (NTP) Server

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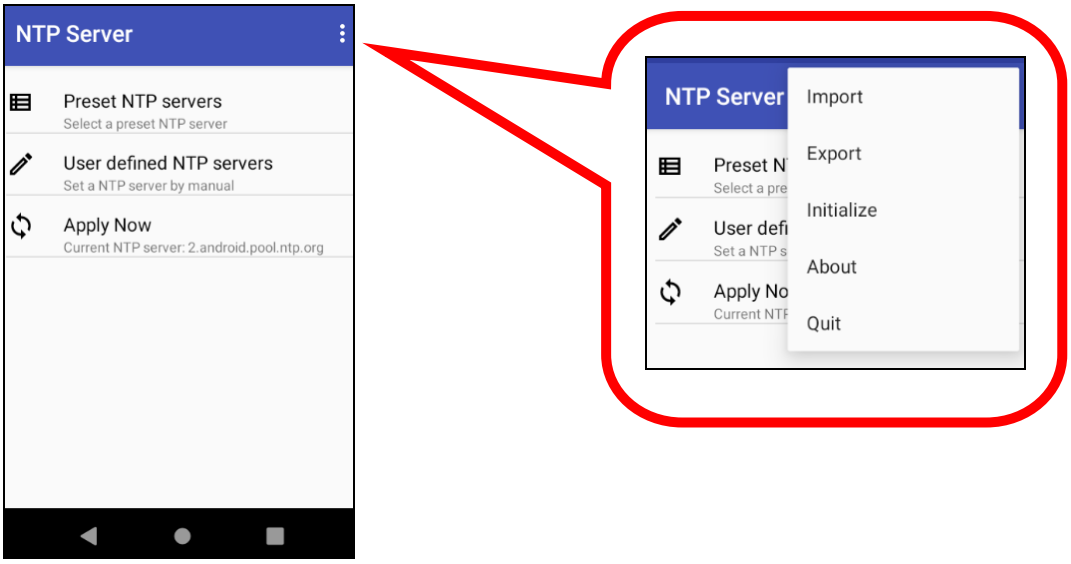
2. On NTP Server, choose the system preferences to set up network time.



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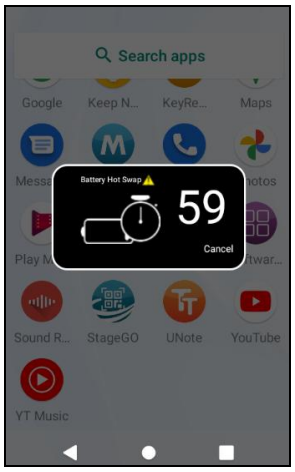
2.14 Battery Swap

Please follow the steps for the battery swap.

1. When the battery release latch switches to the unlocked position, the screen will show the countdown window (within 59 secs) for the users to change the battery.



2. When the battery swap is done, you can start to use the terminal without restarting it again.

   Note :Please see ***1.4.1 Installing the Battery*** for more battery change information.

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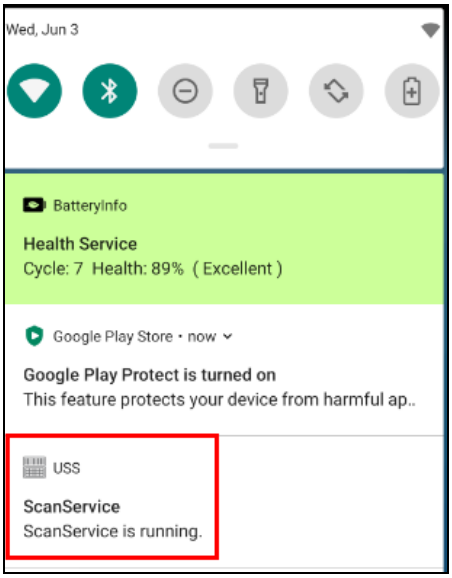
Chapter 3 – Introduction to Applications

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 are now enter the Unitech scan service application.

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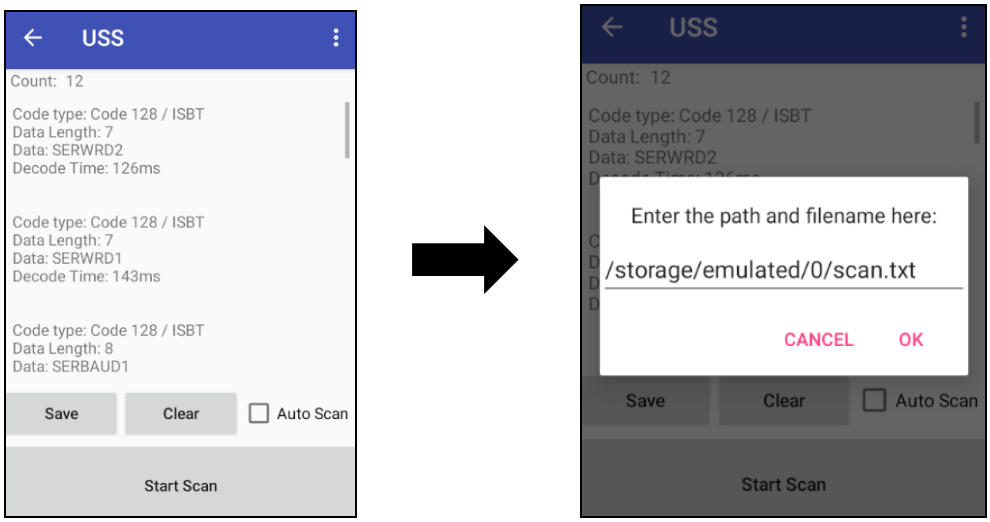
3.1.1 How to scan

1. There are 3 ways to scan the barcodes : Trigger keys on the sides, Scan key on the keyboard or tap **Start Scan** on this App.
2. Aim the Barcode Scan Engine to the barcode.
3. After scanning the barcodes, the barcode information is as shown below.
4. To save the scanned data, tap **Save** and enter the path and filename, then tap **OK.**



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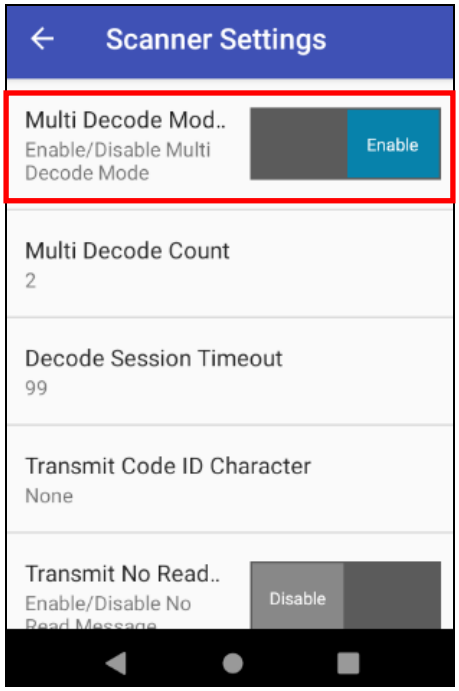
3.1.2 Multi Decode Scan Mode

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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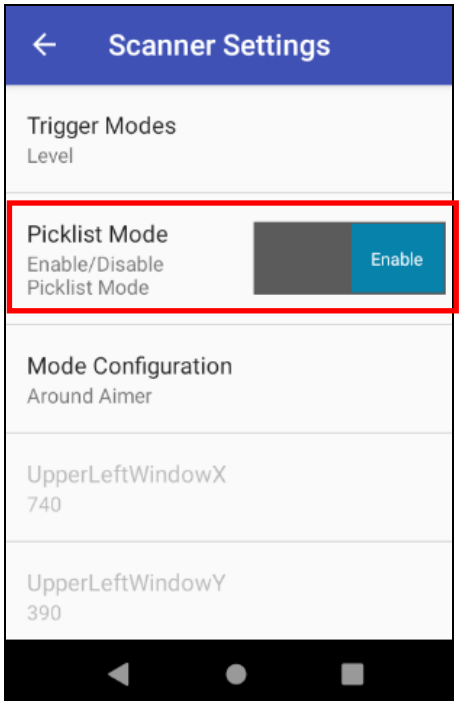
3.1.3 Picklist Mode

Picklist mode enables HT730 to decode only barcodes that are aligned under the laser crosshair or LED aiming dot.
For picklist mode demonstration, please click on the Unitech 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

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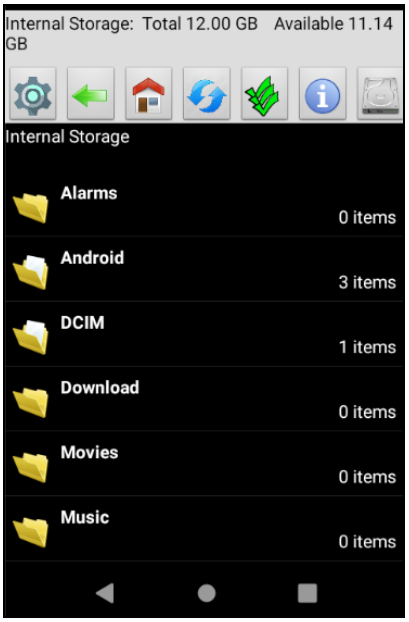
3.2 File Manager

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

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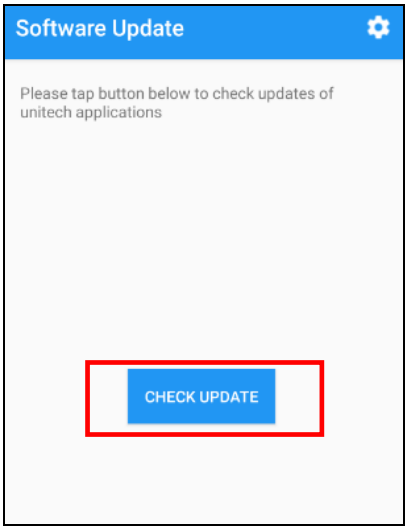
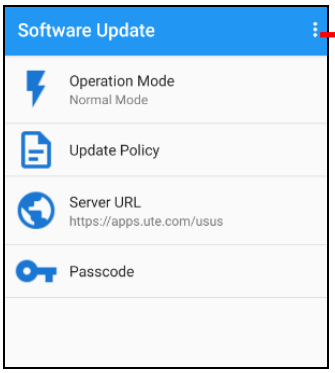
3.3 Software Update

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

Software Update.
2. To update or check the latest version of each application, please tap **CHECK UPDATE.**



3. Tap for more settings on Software Update.



Import / Export/ Reset

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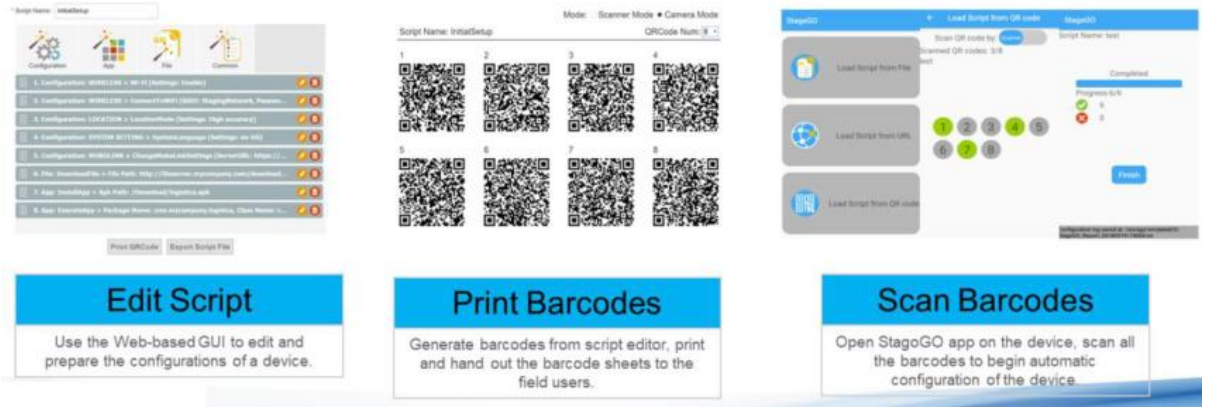
3.4 StageGO

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:



Step 1. Edit Script:

IT admins can prepare a configuration script by using StageGO's web-based script editor. For more information, please visit :
https://www.ute.com/en/products/detail/stagego

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.

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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 the terminals, 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.

Please visit the StageGo website for more information :
https://apps.ute.com/StageGO2/

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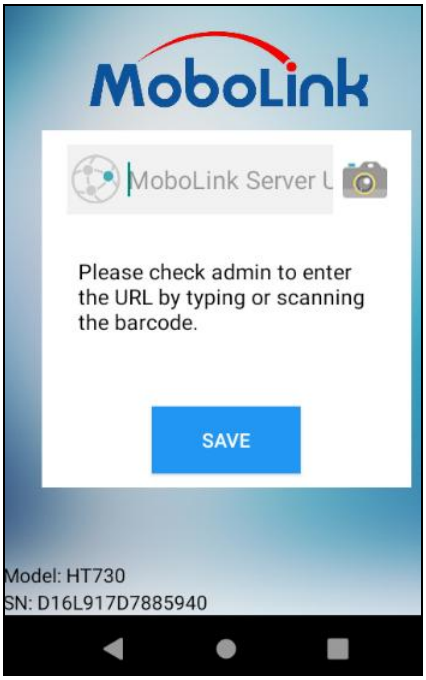
3.5 MoboLink

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.

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

MoboLink.



3.5.1 More about MoboLink

For detailed operation, solution and usage, please refer to the website : https://www.ute.com/en/products/detail/MoboLink

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