

Wearable Computer

– WD200 –



User Manual

Version 1.0

Revision History

Date	Change Description	Version
20250704	Initial Version	1.0

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.
 - Consult the dealer or an experienced radio/TV technician for help.
1. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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

FCC Label Statement

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

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

RF Radiation Exposure Statement

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

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

European Conformity Statement

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

The declaration of conformity is available for download at:

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

CE RF Exposure Compliance

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

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.

Please note that this device supports fast charging via USB Power Delivery (USB PD), allowing for efficient charging at higher power levels when paired with compatible devices.

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



RoHS Statement



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

Waste electrical and electronic equipment (WEEE)



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

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

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

Taiwan NCC Warning Statement

低功率電波輻射性電機管理辦法

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

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

前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機需忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

SAR標準值2.0W/KG，送測產品實測值為: 0.395 (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歲幼兒不看螢幕，2歲以上每天看螢幕不要超過1小時。
3. 減少電磁波影響，請妥適使用。
4. 因應各地區/國家開放頻道不同，請依據當地主管機關與電信業者實際公告資訊為主，如服務細則有所變更，請自行洽詢電信業者，恕不另通知。
5. 無線資訊傳輸設備避免影響附近雷達系統之操作

Note:

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

5GHz band (W52, W53): Indoor use only in Japan

Laser Information

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

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

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

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

LED Information

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

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

Battery Notice

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.

- 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。
- 請依制造商說明書處理用過之電池，如果更換不正確之電池行事會有爆炸的風險，請依制造商說明書處理用過之電池。

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.
- 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.
- 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.

Hearing Damage Warning

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



Figure 1 – Warning label (IEC 60417-6044)

Worldwide Support

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

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

Taipei, Taiwan – Headquarters 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	Europe & Africa Tel: +31-13-4609292 E-mail: info@eu.ute.com Address: Kapitein Hatterasstraat 19, 5015 BB, Tilburg, the Netherlands Website: http://eu.ute.com
Mainland China Tel: +86-59-2310-9966 E-mail: info@cn.ute.com Address: Room401C, 4F, RIHUA International Mansion, Xinfeng 3rd Road, Huoju Hi-tech District, Xiamen, Fujian, China Website: http://cn.ute.com	Japan Tel: +81-3-62310896 E-mail: info@unitech-japan.co.jp Address: 3F Tosei Building, 18-10, Nihonbashi-Hakozakicho, Chiyodoku, Tokyo 103-0015, Japan Website: https://jp.ute.com
Asia & Pacific / Middle East Tel: +886-2-27911556 E-mail: info@tw.ute.com Address: 4F., No. 236, ShinHu 2nd Rd., NeiHu Chiu, 114, Taipei, Taiwan Website: http://apac.ute.com	Latin America Tel: +52-55-5171-0528 E-mail: info@latin.ute.com Address: Av Insurgentes Sur Nro. 859-Segundo Piso Colonia Nápoles - Delegación Benito Juárez - CP03810 CDMX Website: http://latin.ute.com
North America 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	Please scan QRCode to visit us: 

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.

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)

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

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.

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.

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.

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.

Table of Contents

Preface	i
Regulatory Compliance Statements	i
Laser Information	vi
LED Information	vi
Battery Notice.....	vii
Adapter Notice	x
Hearing Damage Warning	xi
Worldwide Support	xii
Warranty Policy	xiii
Privacy Policy	xiv
Chapter 1 - Overview	1
1.1 Package	1
1.2 Product Detail.....	2
1.3 Specifications	3
1.4 Getting Started	6
Chapter 2 – Installation & Operation	12
2.1 HF Setting	12
2.2 WLAN Setting.....	13
2.3 PAN Setting	18
2.4 GPS Setting	19
2.5 PC Setting	20
2.6 Camera Setting	21
2.7 USS Camera	23
2.8 Performing a Hardware Reset	25
2.9 Performing Factory Data Reset	25
2.10 KeyRemap	26
2.11 Split Screen	29
2.12 Network Time Protocol (NTP) Server	31

Chapter 3 – Introduction to Applications.....32

3.1 Barcode Setting.....32

3.2 Software Update.....34

3.4 StageGO36

Chapter 1 - Overview

1.1 Package

Please make sure the following contents are in the WD200 gift box. If something is missing or damaged, please contact your Unitech representative.

The Package Contents

- WD200
- USB-C Cable
- Quick Start Guide

Optional Accessories

- 4-slot Cradle
- Ring Scanner
- Wrist Holder

1.2 Product Detail



1	Power Button	6	Pogo Pin
2	Camera & LED Flash Light	7	USB-C Port
3	Camera Button / Programmable button	8	Microphone
4	Status LED	9	Touch Panel
5	Speaker		

1.3 Specifications

System Features	
CPU	Octa Core 2x A75 2.0GHz + 6x A55 1.8GHz
Memory	4GB RAM / 64 GB Flash
OS	Android 13 with GMS Certification
Languages support	English, Simplified Chinese, Traditional Chinese, Japanese, Spanish, German, French, Italian, Portuguese, Korean and multiple languages
Display	
Screen Size	3.54" Color TFT-LCD (960 X 640)
Touch Panel	
Ultra-sensitive capacitive touch screen, compatible with gloves and support wet resistance	
Buttons / Keypad	
ON / OFF button , 1x User-defined function button	
Indicator Type	
LED, Speaker, Vibrator	
Software	
SOTI, 42Gears, MoboLink, VMWare	
Audio	
One 1W speaker with Smart PA	
I/O Interface	
USB	USB 2.0 (Type-C) support USB OTG
OTG	Yes, over USB-C
POGO PIN	Charging via Cradle
Communication	
Camera	16 MP Rear and Flash Light
Bluetooth®	Bluetooth® 5
Interface	USB Type-C / Pogo Pin
WLAN	WiFi 6 (2x2 MIMO) IEEE 802.11 ax/a/b/g/n/ac/d/h/i/k/r/v, IPv4, IPv6 Security of Wi-Fi: WEP, WPA/WPA2 PSK, 802.1x EAP, OWE, SAE Fast Roaming: PMKID caching, 802.11r, OKC 2x2 MU-MIMO
GPS	GPS, GLONASS, Gallileo, Beidou

Sensor	Gyroscope, G-sensor, E-Compass, Light Sensor
RFID	
HF	Support HF/NFC Frequency 13.56Mhz Support: ISO14443A/B, ISO15693 standard
Power Source	
Main Battery	3.85V, 2500mAh Li-polymer battery (embedded, can be repaired)
Enclosure	
Weight	123g (with battery)
Dimensions	96.7mm X 60.7mm X 14.43 mm (H x W x D)
Environmental	
Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Storage Temperature	-4°F to 158°F (-20°C to 70°C)
Charging Temperature	32°F to 113°F (0°C to 45°C)
Relative Humidity	5% ~ 95% (non-condensing)
Drop Test to Concrete	1.5 meter
Environmental Sealing	IP68
Tumble Test	MIL-STD 810G / 1000 tumbles @ 1.6 ft./0.5 m

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		

Transmitter Frequency:

BT: 2402-2480MHz

BLE: 2402-2480MHz

2.4G Wi-Fi: 2412-2472MHz

5G Wi-Fi: 5150-5250 MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz

NFC: 13.56MHz

Receiver Frequency:

BT: 2402-2480MHz

BLE: 2402-2480MHz

2.4G Wi-Fi: 2412-2472MHz

5G Wi-Fi: 5150-5250 MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz

NFC: 13.56MHz

GPS L1 C/A, BDS B1I, GLONASS G1, Galileo E1: 1559-1610MHz

RF-Output Power: (ERP/EIRP/Conducted)

BT: 7.46dBm

BLE: 7.69dBm

2.4G Wi-Fi: 17.50dBm

5G Wi-Fi:

5150-5250MHz: 19.71dBm

5250-5350MHz: 19.99dBm

5470-5725MHz: 19.97dBm

5725-5850MHz: 12.03dBm

NFC: 16.93dBuA/m @ 3m

1.4 Getting Started

1.4.1 Charging the Battery

To charge the WD200, connect the included USB-C cable to the USB-C port on the device. Plug the other end of the cable into an AC power adapter. For optimal performance, it is recommended to use only the USB-C cable provided with the WD200 or a Unitech-designed charging cradle.



CAUTION!

DO NOT force opening the battery cover and attempting to change the battery as you may damage the product and the battery, it is built-in and is not user changeable. Any batteries inappropriate use could result in damage or safety issues such as catching fire, or malfunctioning the sensitive components.

Unitech reserves the right and disclaims any liability as a result of any damages caused by ignoring this warning. To avoid any consequential damages, please contact a unitech representative before removing the battery.

DO charge between 20% and 80% to protect your battery.

Avoid full discharges (<0%) or charging all the time (always 100%) to reduce stress on the battery.

1.4.2 Turning on the terminal for the first time

It is recommended to fully charge WD200 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.

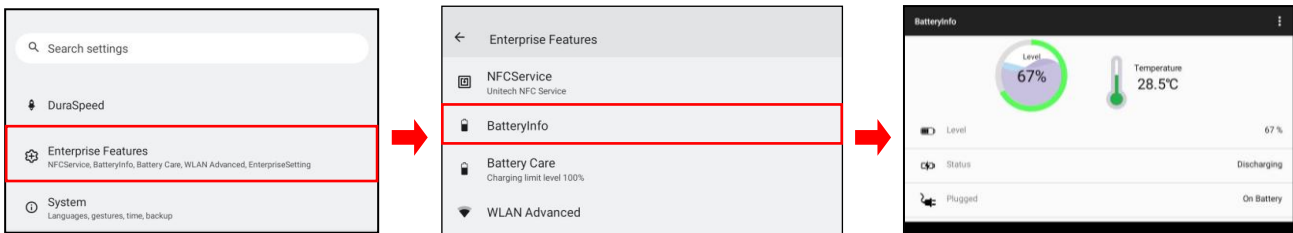


1.4.3 Checking the LED status

	LED	Description
Terminal	Red Light	<ul style="list-style-type: none"> ■ Battery Charging ■ Flashing to indicate battery low status (less than 15%)
	Green Light	<ul style="list-style-type: none"> ■ Battery Fully charged
	Blue Light	Message

1.4.4 Battery Info

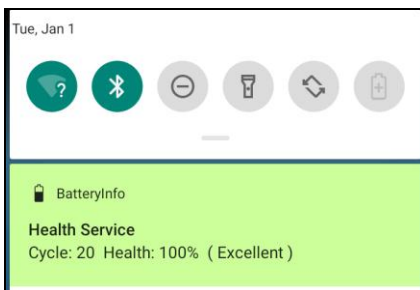
Please go to **Settings** → **Enterprise Features** → **BatteryInfo** for more detailed battery information.



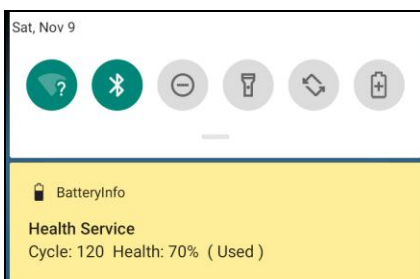
1.4.4.1 BatteryInfo Health Service

BatteryInfo health service information will display on both WD200 lock screen and the notification bar.

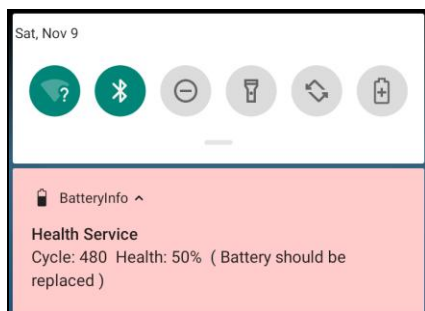
- When the battery health is higher than 80%:



- When the battery health is higher than 60%:



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



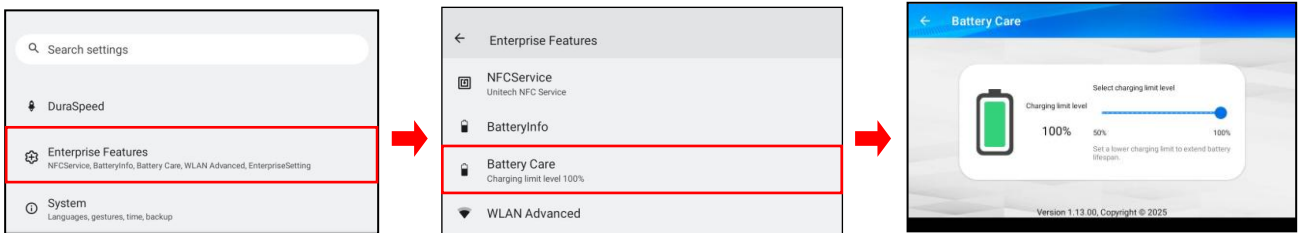
Note:

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

1.4.4.2 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** → **Enterprise Features** → **Battery Care**, as shown below to configure the charging limit.



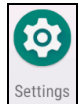
Here's how it works:

1. By default, the charging limit is set to 100%.
2. Avoid full charge cycles (0-100%) and overnight charging.
3. Limiting your device'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.

1.4.5 How to Enable Dark Theme

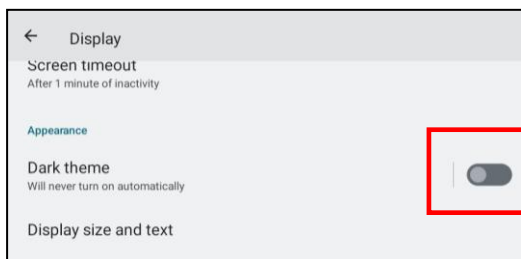
Dark mode is a feature that allows you to switch to the dark theme of an app or an entire desktop operating system.

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

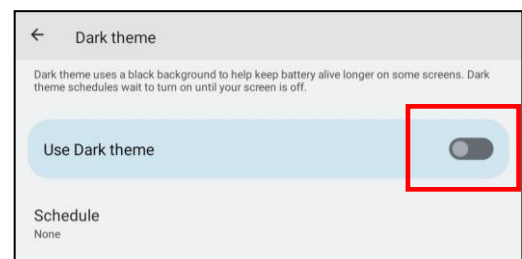


Settings and then tap **Display**.

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



OR



1.4.6 How to Enable Night Light

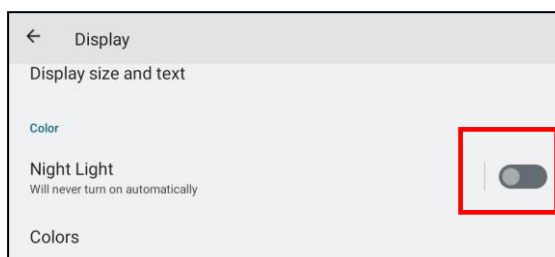
Night Light is a feature that allows you to activate night light in order to reduce your eyestrain.

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

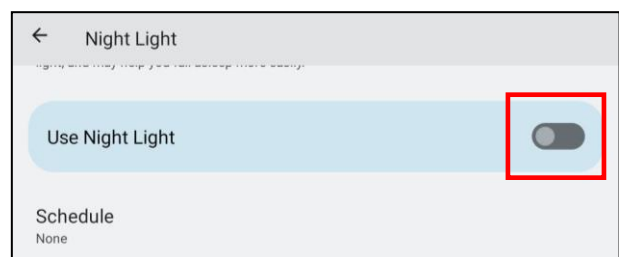


Settings and then tap **Display**.

2. Tap **Night Light** or tap the button on the right to enable the dark mode.




OR

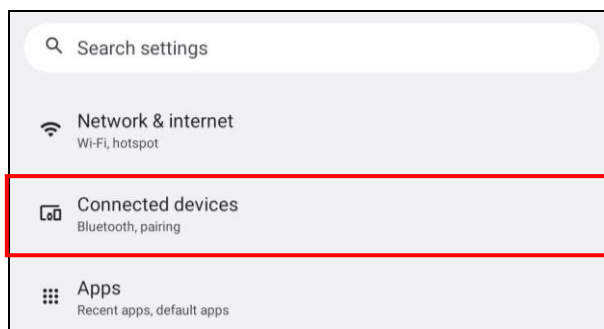


Chapter 2 – Installation & Operation

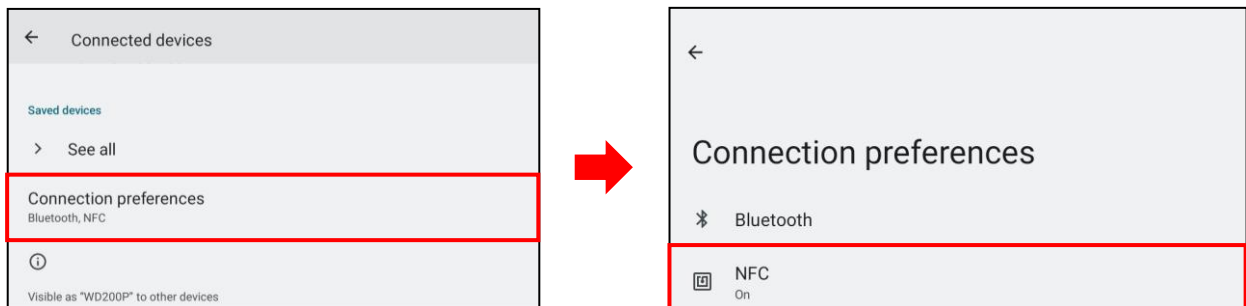
2.1 HF Setting

1. On the main screen, scroll the screen from bottom to top to reach the apps, and tap

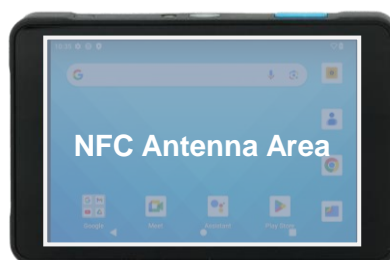
Settings  and then tap **Connected devices**.



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



3. Make sure that both devices are unlocked and have NFC turned on.
Also make sure that the NFC antenna area of WD200 and the other devices' NFC area are close to one another. Slightly moving the device until a connection is made.

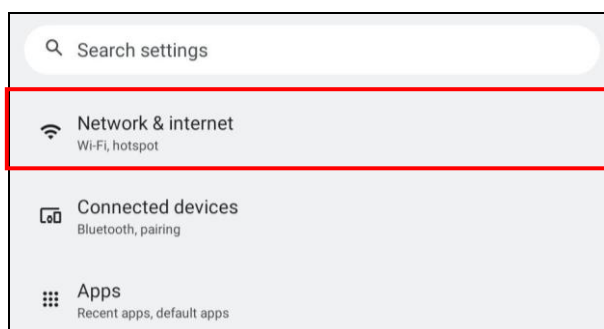


2.2 WLAN Setting

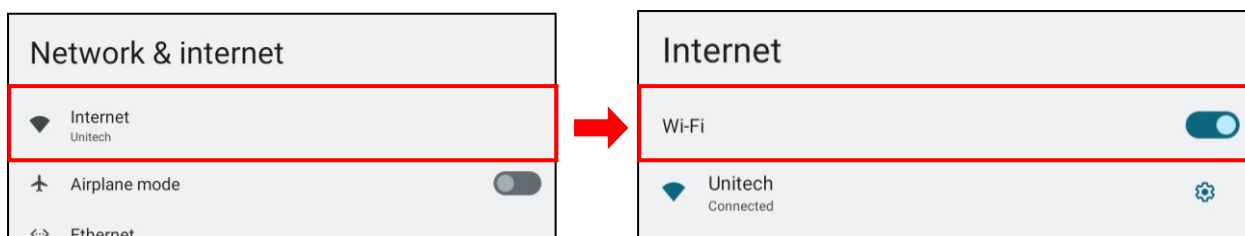
1. On the main screen, scroll the screen from bottom to top to reach the apps, and tap



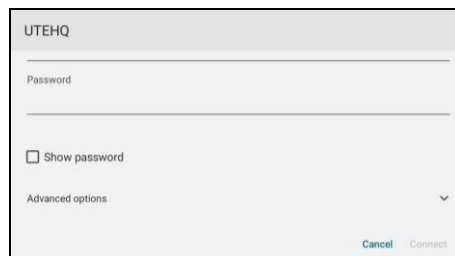
and then tap **Network & internet**.



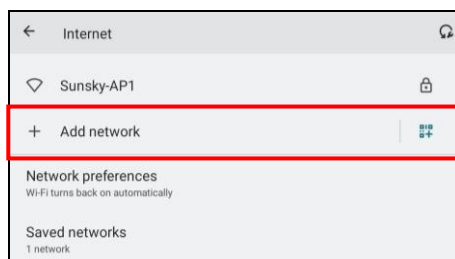
2. Tap **Internet** and turn Wi-Fi **ON** to see available networks. Tap to choose available networks.



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



4. If the wireless network that you want is not listed, tap **+ Add network** to manually add it.




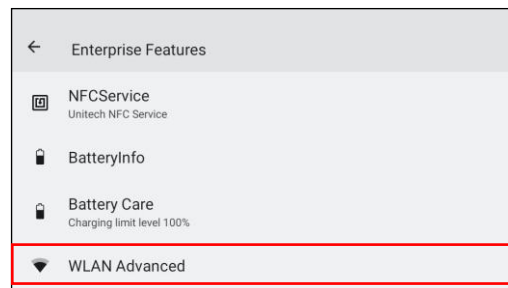
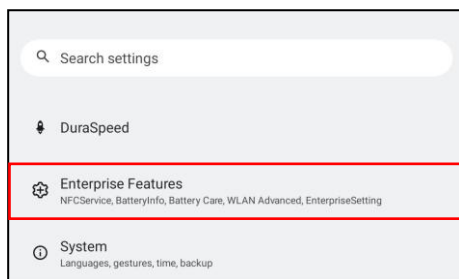
5. When enabled, the icon  is displayed on the status bar.

2.2.1 WLAN Advanced

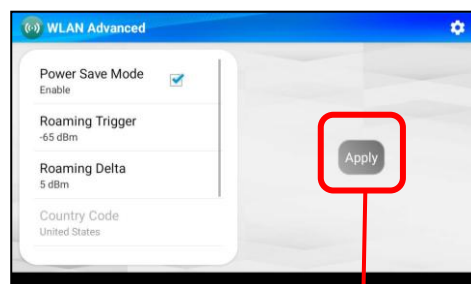
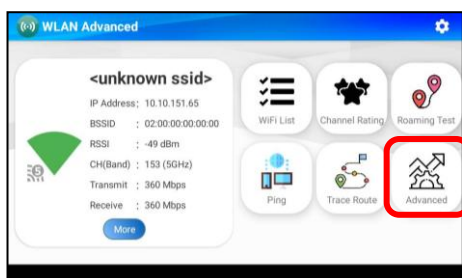
WLAN advanced can enhance the roaming behavior when the device is in areas of particularly low coverage or losing its connection to the network infrastructure and provides the power save mode to control the power consumption setting.

WLAN advanced will help users to manage the seamless roaming.

1. On the main screen, scroll up to access the apps. Tap  **Settings**, then tap **Enterprise Features**, and finally tap **WLAN Advanced**.



2. Tap on **Advanced**.



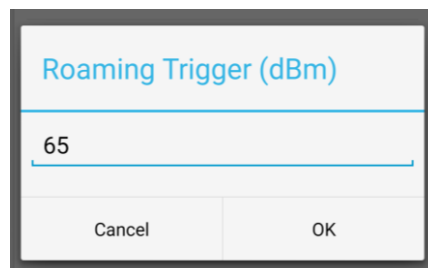
Always tap **“Apply”**
to finish the setting.

Power Save Mode

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

- **Roaming Trigger (Default: -65 dBm, Range: -10 dBm ~ -120 dBm)**

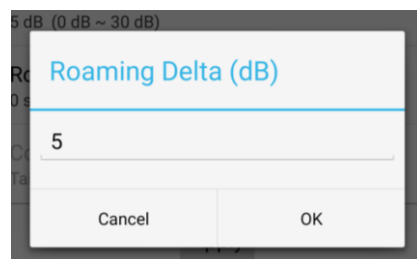
Roaming trigger will help users to look for a better and stronger signal strength (in dBm) by scanning many access points. When the signal strength is lower than roaming trigger value, roaming trigger will start to look for better access points.



A dialog box titled "Roaming Trigger (dBm)" with a text input field containing the value "65". Below the input field are two buttons: "Cancel" and "OK".


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

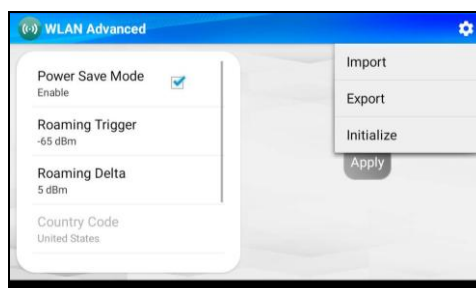
Based on roaming delta value, the device will roam to a better signal strength access point.



A dialog box titled "Roaming Delta (dB)" with a text input field containing the value "5". Below the input field are two buttons: "Cancel" and "OK".

2.3.1.1 Other Options


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

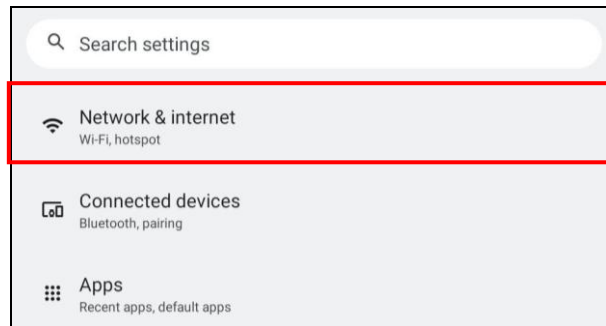


A screenshot of the "WLAN Advanced" settings screen. It features a list of settings on the left: "Power Save Mode" (checked), "Roaming Trigger" (-65 dBm), "Roaming Delta" (5 dBm), and "Country Code" (United States). On the right, there is a menu with options: "Import", "Export", "Initialize", and "Apply".

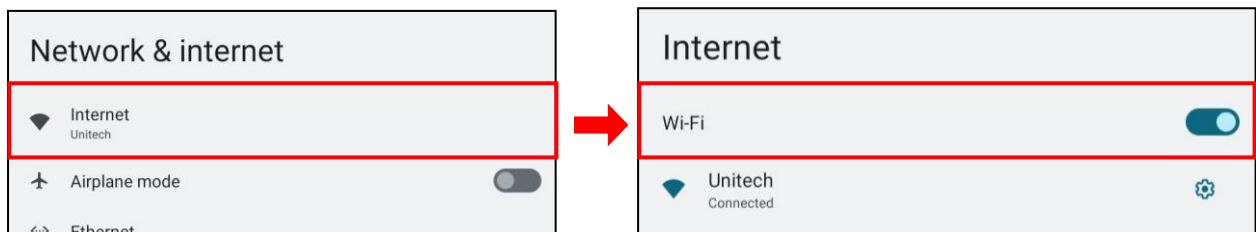
2.2.2 Share Wi-Fi

1. On the main screen, scroll the screen from bottom to top to reach the apps, and tap

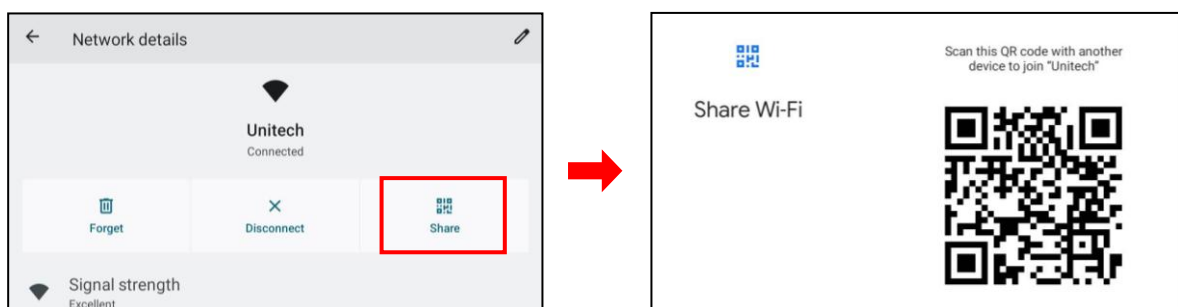
Settings  and then tap **Network & internet**.



2. Tap **Internet** and turn Wi-Fi **ON** to see available networks. Tap to choose available networks.



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

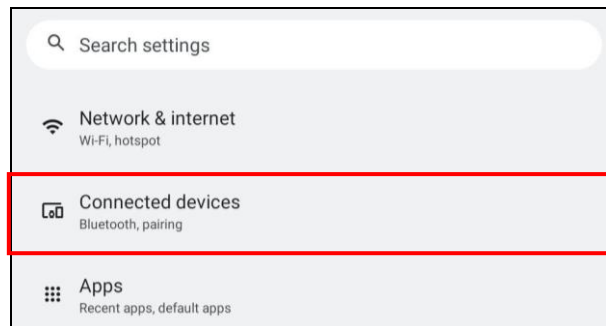


2.3 PAN Setting

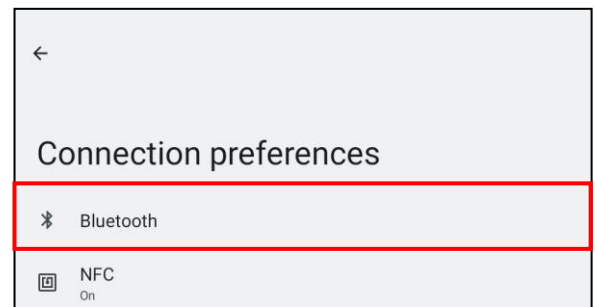
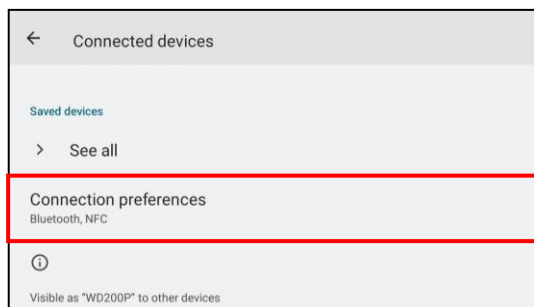
- On the main screen, scroll the screen from bottom to top to reach the apps, and tap



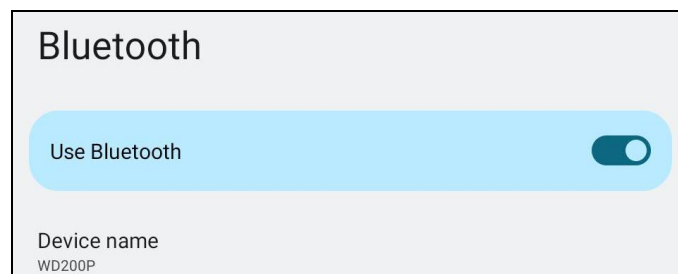
Settings and then tap **Connected devices**.




- Tap **Connection Preferences** to enable **Bluetooth®**.

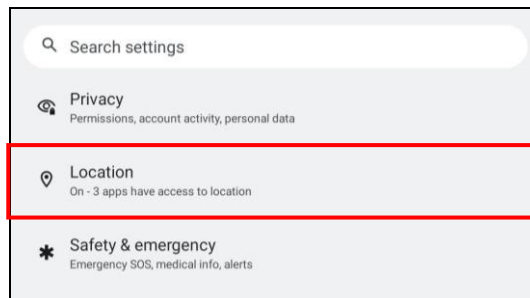


- To pair the available device, turn Bluetooth® **ON** to choose the available device.



2.4 GPS Setting

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

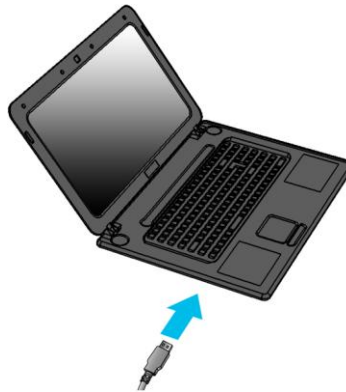


2. Tap **ON/OFF** for the permission to use your location information.

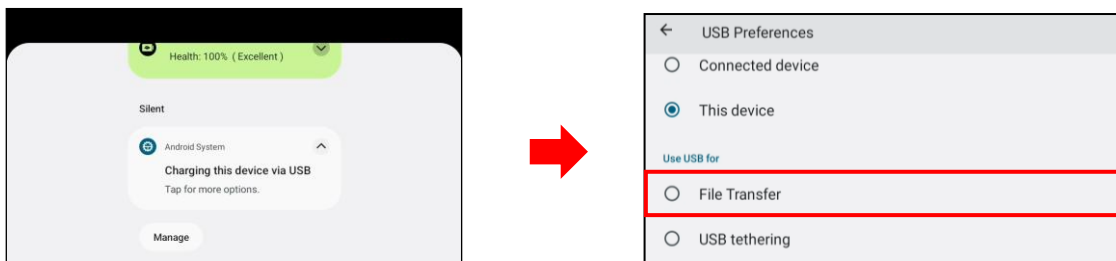


2.5 PC Setting

1. Connect WD200 to your computer with the USB-C cable. Your computer will recognize it is USB charging.

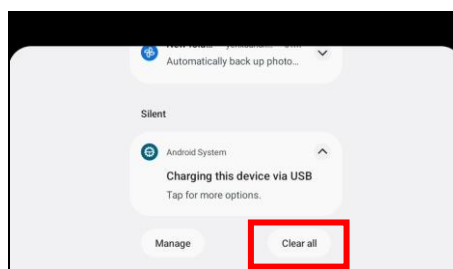


2. Slide down from top, the system will show as follow picture, then you can select File transfers.



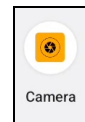
Note:

If you cannot find the **Android System Charging this device via USB** notification in step 2, click on **CLEAR ALL** and try again.



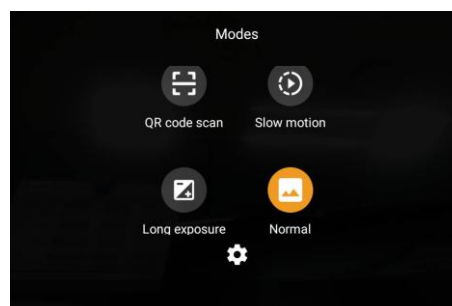
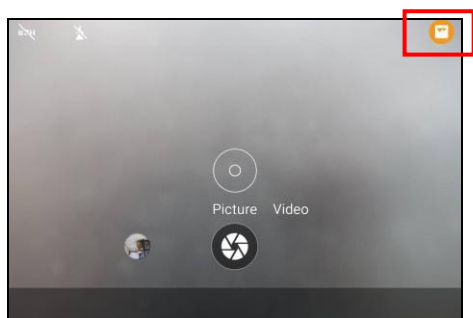
2.6 Camera Setting

Scroll the screen from down to top to reach the apps, and tap **Camera**.



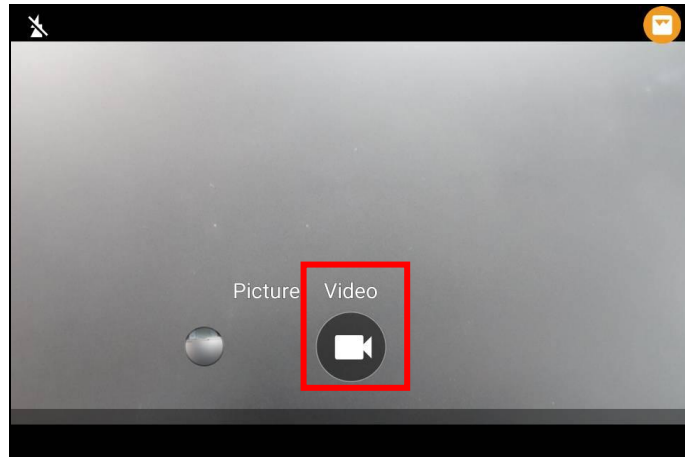
Camera & LED Flash Light

2.6.1 Scene Mode Settings



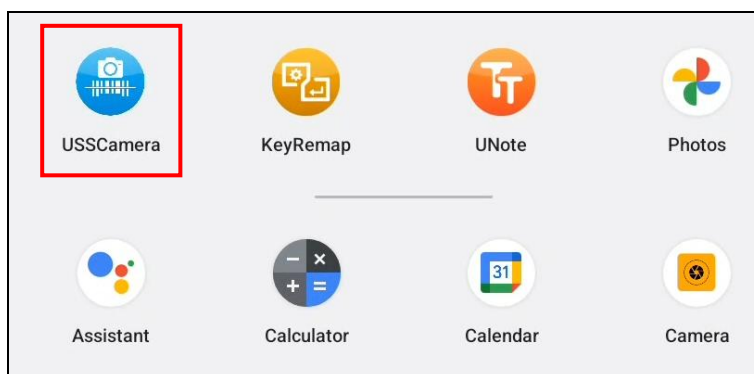
2.6.2 Record Videos

Once tap the **Record** button, it will start recording.

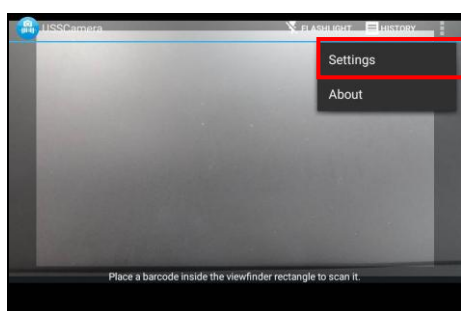


2.7 USS Camera

1. Scroll the screen from down to top to reach the apps, and tap **USSCamera**.

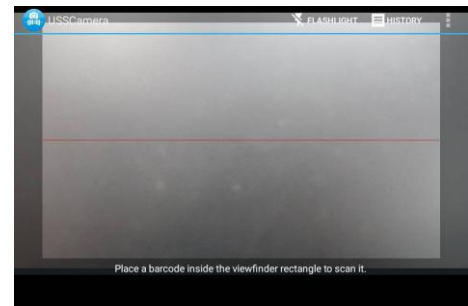
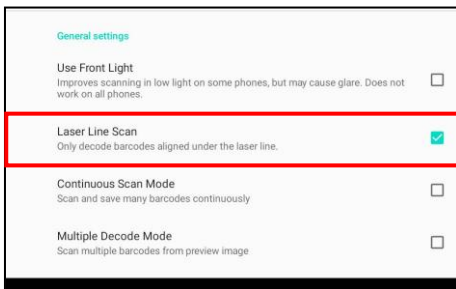


2. Select the types of barcodes from the **Settings**.



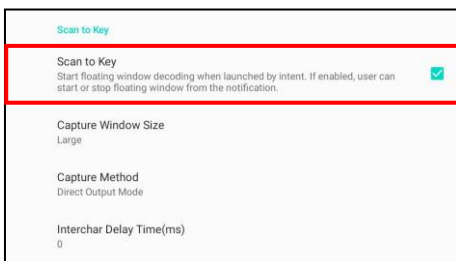
2.7.1 Laser Line Scan

When you select **Laser Line Scan**, it means only barcodes aligned under the laser line will be decoded.



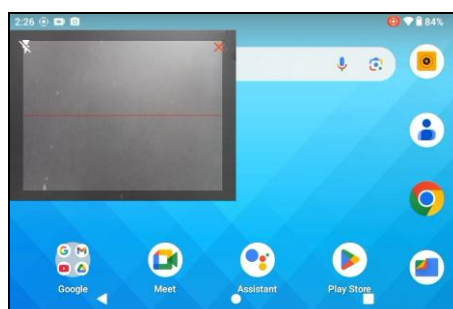
2.7.2 Scan to Key (Floating Window)

By selecting **Scan to Key**, start floating window decoding when launched by intent. If enabled, user can start or stop floating window from the notification. The icon will appear on the main screen.



The floating window will be displayed on the main screen.

Note: To close the floating window, simply by not selecting the Scan to Key



2.8 Performing a Hardware Reset


You may have to perform a reset if the terminal no longer responds to the buttons or tapping on the screen.

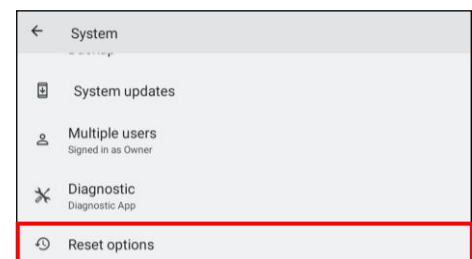
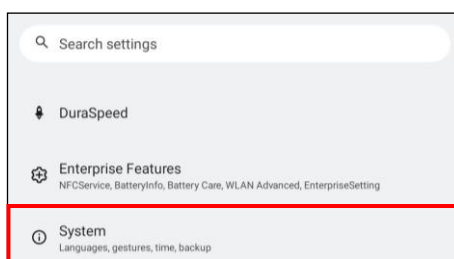
Long press and hold the **Power button** around 15 seconds to shut down the system and then press the **Power button** again to turn on the device.



2.9 Performing Factory Data Reset

1. On the main screen, scroll the screen from bottom to top to reach the apps, and tap

Settings  → **System**, then select **Reset options**.



Note:

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


2.10 KeyRemap

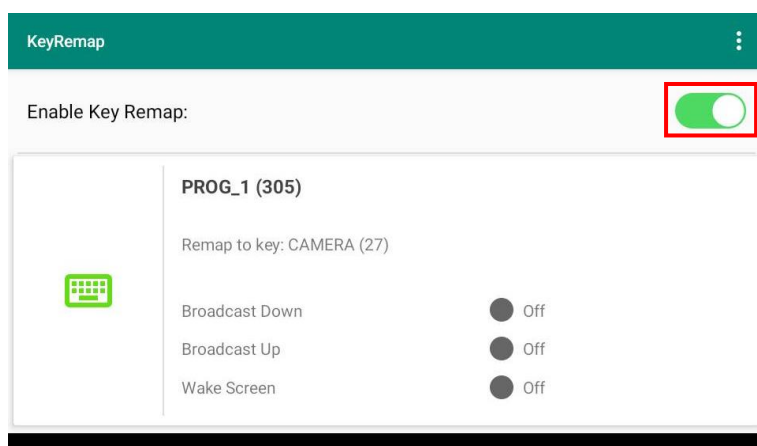
The WD200's keys can be programmed for users to be able to perform different functions or applications.

One option to use key remap functions: **Camera**



2.10.1 Remap a Key


On the main screen, scroll the screen from bottom to top to reach the apps, and tap **KeyRemap** . Select the keys to remap and enable key.

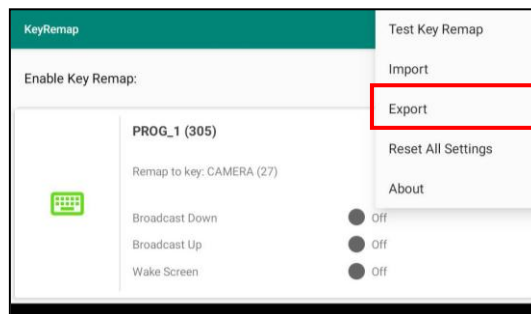


After remapping the key, remember to enable the key remap.

2.10.2 Export / Import a Remap Key Configuration File

■ Export File

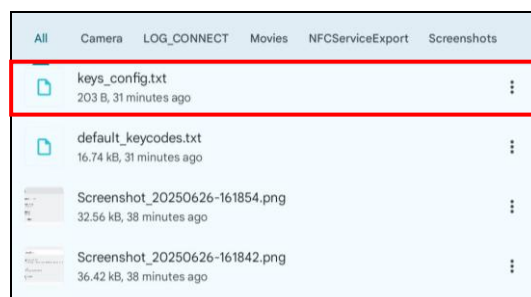
1. Tap 
2. Select **Export**



The remap key configuration can be exported to a text file or imported into WD200.


Note:

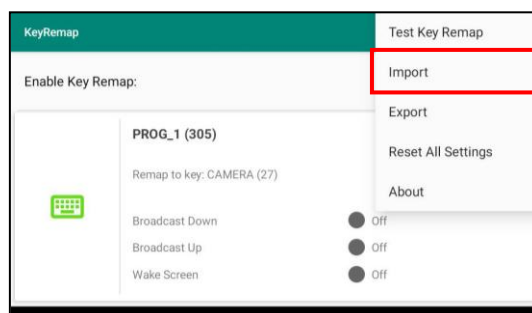
The configuration file (**keys_config.txt**) is saved in **Files**.



■ Import File

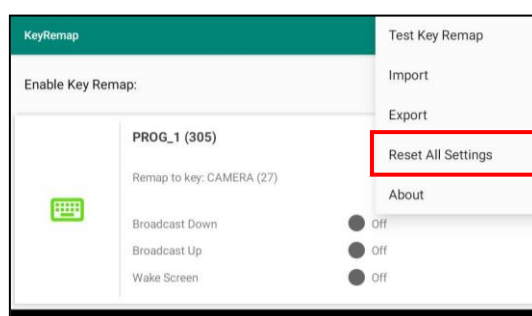
Before importing the file, please make sure the configuration file (**keys_config.txt**) is in the **Files**.

1. Tap 
2. Select **Import**



■ Reset All Settings

1. Tap 
2. Select **Reset All Settings**



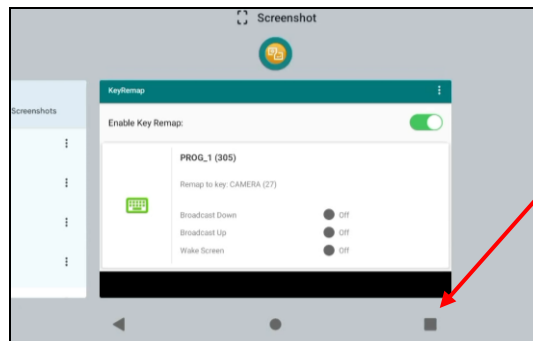
2.11 Split Screen

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

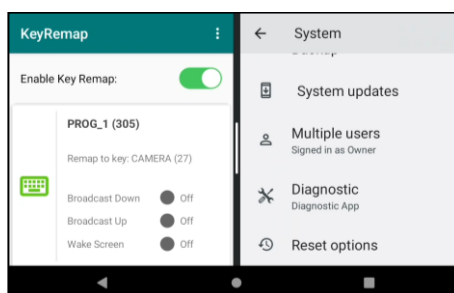
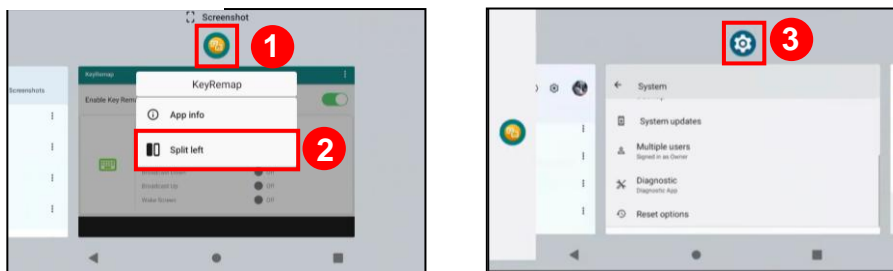
Note:

Some apps may not work with split-screen.

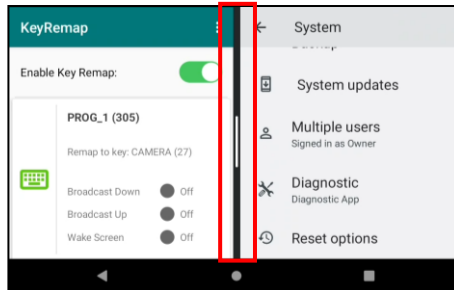
1. Tap **Background App Button** until you see those background apps on the screen.



2. Tap and hold the icon which appears above the app thumbnail and then select “**Split top.**” The first app you chose to “**Split top**” 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.



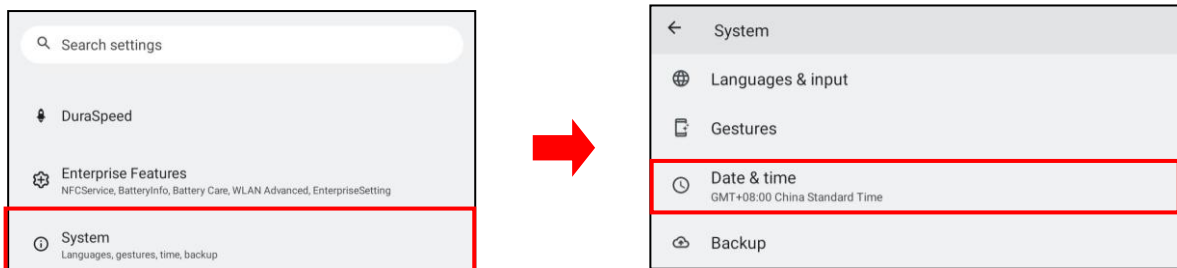
3. To cancel split screen, simply drag left or right the black bar in the middle of two apps to expand the app that you would like to keep in full screen.



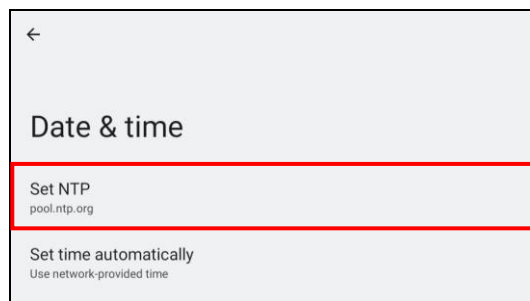
2.12 Network Time Protocol (NTP) Server

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 bottom to top to reach the apps, go to **Settings** → **System** → **Data & time**.











2. Tap **set ntp (Network Time Protocol)**.



Chapter 3 – Introduction to Applications

3.1 Barcode Setting

Solution	Introduction
 USS Camera	<p>USS Camera capture barcode data using the device camera and send the data to your applications as keyboard inputs.</p> <p>Note: For more details, please refer to 2.9 USS Camera.</p>
 Enterprise Keyboard	<p>Enterprise Keyboard gives various methods for user to input data to enhance efficiency and productivity.</p>
 Key Remap	<p>Key Remap reprogram physical buttons to act as another key or to launch an app.</p>
 Logger	<p>Logger provides an easy and fast way to get logs from a device.</p>
 MoboLink	<p>MoboLink can be your best MDM, MAM and MCM companions. You will be able to monitor and manage in real-time the device health of your devices, the locations, non-compliance event reports, online status, as well as manage the application & file deployments, or schedule to run StageGO configuration scripts remotely.</p>
 Software Update	<p>The Software Update app keeps all your installed Unitech software up-to-date. You can choose to automatically update all apps at once, or select only the ones you wish to update. When new apps are available for this device, you will also be able to install them in just a few taps.</p>

Solution	Introduction
 StageGO	<p>StageGO is a barcode-based device staging solution from Unitech that helps IT admins to swiftly set up a device by just a few barcode scans.</p>
 UNote	<p>UNote is a simple text editor. You can use UNote to save scanned barcodes, open and view log files for troubleshooting, and much more.</p>

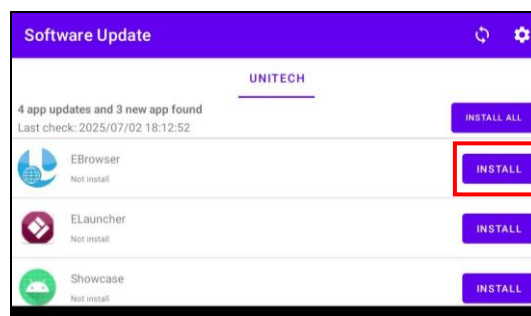
3.2 Software Update

- On the main screen, scroll the screen from bottom to top to reach the apps, and tap



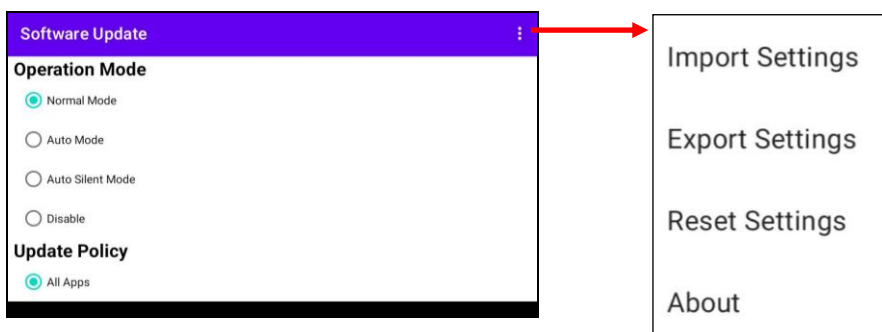
Software Update

- To update or check the latest version of each application, please tap **UPDATE**.



3.3.1 Software Update Settings

Tap  for more settings on Software Update.



- **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 Settings**

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**

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.

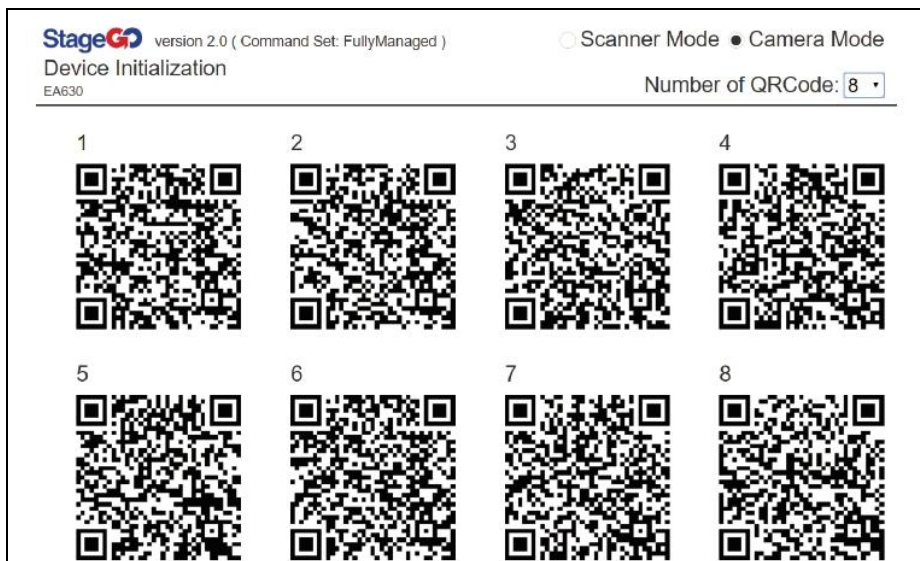


Step2: Print QRCode



**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 encrypted file and share it with a colleague.



Step 3. Scan QRCode:



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.

