



unitech HT330 Rugged Handheld Terminal User Manual

[Home](#) » [unitech](#) » unitech HT330 Rugged Handheld Terminal User Manual 

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Revision History

Date	Change Description	Version
20220523	First Published Version	V1.0

About This Manual

Thank you for purchasing the Unitech product.
This manual explains how to install, operate and maintain our product.
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manufacturer. The material in this manual is subject to change without notice.

Contents

- 1 Regulatory Compliance Statements**
- 2 Laser Information**
- 3 LED Information**
- 4 Battery Notice**
- 5 Adapter Notice**
- 6 Hearing Damage Warning**
- 7 Worldwide Support**
- 8 Warranty Policy**
- 9 Package**
 - 9.1 Product Detail**
- 10 Specifications**
 - 10.1 Getting Started**
- 11 Documents / Resources**
 - 11.1 References**
- 12 Related Posts**

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

This Handheld Data Terminal meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. FCC RF Exposure Information and Statement the SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: Handheld Data Terminal has also been tested against this SAR limit. This device was tested for typical body-worn operations with the back of the Handheld Data Terminal kept 10mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain an 10mm separation distance between the user's body and the back of Handheld Data Terminal.

The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

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.



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>

Laser Information

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

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

Laser information only applies to the products with laser components.

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

LED Information

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

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

Battery Notice

1. To guarantee optimal performance, it is recommended that rechargeable batteries be replaced every year, or after 500 charging cycles are completed. It is normal for the battery to balloon or expand after one year or 500 cycles. Although it does not cause damage, it cannot be used again and must be disposed of according to the location's safe battery disposal procedures.
2. If a battery performance decreases more than 20%, the battery is at the end of its life cycle. Stop use and ensure the battery is disposed of properly.
3. The length of time that a battery lasts depends on the battery type and how the device is used. Conserve the battery life by doing the following:
 - Avoid fully uncharging the battery because this places additional strain on it. Several partial uncharges with frequent charges are better than a fully uncharged battery. Charging a partially charged battery does not cause harm to the unit.
 - Keep the battery cool. Avoid hot vehicles. For prolonged storage, keep the battery at a 40% charge level.
 - Do not leave the battery uncharged and unused for an extended period of time, the battery will wear out and the longevity of the battery will be at least half of one with frequent charges.
4. Protect battery life by not over or under charging the battery.
5. Please do not leave battery unused for long time without charging it.

Despite Unitech's safety precautions, the battery pack may begin to change shape. If so, stop using it immediately. Please check to see if you are using a proper power adapter to charge the battery or contact your service provider for service.
6. If you cannot charge the battery after it has been idle for an extended period of time and it begins to heat up, please do not try to charge it. It may not be functional anymore.
7. Please only use the original battery from Unitech. Using a third party battery can damage our products. Please note that when such damage occurs, it is not covered by Unitech's warranty policy

CAUTION!

RISK OF EXPLOSION IF BATTERY IS REPLACED INCORRECTLY.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Battery charge notice

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

CAUTION! Do not charge batteries at a temperature lower than 0°C. This will make the batteries unstable and dangerous. Please use a battery temperature detecting device for a charger to ensure a safe charging temperature range.

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

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

Storage and safety notice

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

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

Product Operation and Storage Notice

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

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

Adapter Notice

1. Please do not leave the power adapter in the socket when it is not connected to your Unitech product for charging.
2. Please remove the power adapter when the battery is fully recharged.
3. The bundled power adapter that comes with your Unitech product is not meant 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.

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	Tel:	+31-13-4609292
E-mail:	info@hq.ute.com	E-mail:	info@eu.ute.com
Address:	5F, No. 136, Lane 235, Baoqiao Road, Xindian District, New Taipei City 231, Taiwan (R.O.C.)	Address:	Kapitein Hatterasstraat 19, 5015 BB, Tilburg, the Netherlands
Website:	http://www.ute.com	Website:	http://eu.ute.com
China		Japan	
Tel:	+86-59-2310-9966	Tel:	+81-3-35232766
E-mail:	info@cn.ute.com	E-mail:	info@jp.ute.com
Address:	Room401C, 4F, RIHUA International Mansion, Xinfeng 3rd Road, Huoju Hi-tech District, Xiamen, Fujian, China	Address:	Kayabacho Nagaoka Building 8F., 1-5-19 Shinkawa, Chuo-Ku, Tokyo, 104-0033, Japan
Website:	http://cn.ute.com	Website:	http://jp.ute.com
Asia & Pacific / Middle East		Latin America	
Tel:	+886-2-27911556	Tel:	+52-55-5171-0528
E-mail:	info@apac.ute.com info@india.ute.com info@mid-east.ute.com	E-mail: Address:	info@latin.ute.com 17171 Park Row, Suite 210 Houston, TX 77084USA (Rep.)

Address:	4F., No. 236, ShinHu 2nd Rd., NeiHu Chiu, 114, Taipei, Taiwan	Website:	http://latin.ute.com
Website:	http://apac.ute.com / http://mideast.ute.com		
North America		Please scan QR Code to visit us :	
Tel:	+1-714-8916400		
E-mail: Address: Website:	info@us.ute.com / info@can.ute.com 6182 Katella Ave, Cypress, CA 90630, USA http://us.ute.com		

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.

Package

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

The Package Contents

- HT330 Terminal
- Battery
- Hand Strap

- USB Type-C Cable
- Quick Start Guide

Optional Accessories

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

Product Detail

HT330 Product View



1. Flashlight
2. LED Indicator

3. 5MP Front Camera
4. 4" LCD Display
5. Volume Key
6. Scanner Trigger Key
7. Power Key
8. Function Key
9. Mic
10. Battery Lock
11. Speaker
12. POGO Pin for Gun Grip
13. Holes for Hand Strap
14. Battery Cover
15. POGO Pin
16. USB Type-C Port

Specifications

System Features	
CPU	Qcta-core 2GHz
Memory	3 GB RAM 32 GB Flash
OS	Android TM 12
GMS certified	GMS certified
Languages support	multiple languages
Display	
Screen Size	4", WVGA 800 X 480, Backlight (450nits)

Touchpanel	Multi-touch panel, gloves and wet hands supported
Buttons/Keypad	
Numeric (32 keys); number keys, function and direction keys with backlight	
Camera	
5MP front camera Rear 13 MP with PDAF, LED flash light	
Indicator Type	
LED, Speaker, Vibrator	
Symbologies	
Support all major 1D and 2D barcodes	
RFID	
UHF	Optional
HF	Optional: Frequency 13.56Mhz, ISO14443A/B, ISO15693 standard, NFC, MIFAR E, Felica
Power Source	

Main Battery	3.85V 5200mAh Li-ION battery (removable), Operating time : over 20 hours (depending on the specific environment)	
Regulatory Approvals		
CE, FCC, NCC, CCC, SRRC, VCCI, TELEC, RoHS, BQB, N-Mark, BSMI		
Communication		
Bluetooth®	Bluetooth® 5 supported	
WLAN	802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v, 2.4G+5GHz, fast roaming, 2.4G+5GHz, hotspot	
GPS	GPS/AGPS	
Sensors	Gyroscope, G-sensor, E-Compass, Light & Proximity Sensor	
I/O Interfaces		
USB	USB 2.0 (Type-C)	
OTG	Yes, over USB Type-C	
POGO PIN	Pogo Pin Rear: Support Gun grip Pogo Pin Bottom: Charging via cradle Pogo Pin Rear: Support UHF Gun Grip (optional)	
Expansion slot	MicroSD memory card up to 256GB	

Audio	<p>Speaker: 1W output, 90 dB at 10cm</p> <p>MIC: 2 MIC design</p>	
Enclosure		
Dimensions (H x W x D)	185 mm x 70 mm x 23.8 mm	
Weight	295g (with battery)	
Environmental		
Operating temperature	-20°C to 60°C	
Storage temperature	– 40°C to 70°C (without battery)	
Charging temperature	0°C to 45°C	
Relative Humidity	5% – 95% (non-condensing)	
Drop Specification	1.5m / 1.8m (with boot case)	
Sealing	IP67	
Tumble test	Tumble 600 times (1.6 ft./0.5 m)	

Software		
MDM Software	.SOTI, Ivanti Wavelink, 42Gears, and MoboLink	
Accessories		
<ul style="list-style-type: none"> • 3.85V 5200mAh battery • Glass Screen Protecto • USB Type C Cable • Gun Grip • Hand Strap • Single Slot Charging Cradle • Stylus with coil strap • Single Slot USB Cradle • Boot Case 		

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		

Getting Started

Inserting Micro SD

Inserting the Micro SD Card

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



Unlock



Flip open



Lock

Remove Battery Cover to Install Battery

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



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



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



4. Press down the battery 4. to secure in place.

Install the Battery Cover

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

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



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



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

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



Remove the Battery

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

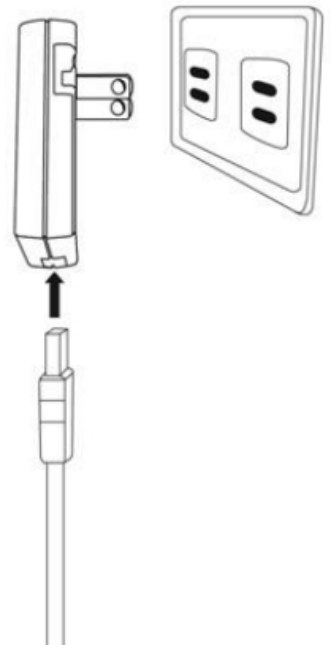


Charging the Battery

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

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

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



Turning on the terminal for the first time

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

Power Button

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





Checking the LED status

Checking the Battery Status

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

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

Documents / Resources

	unitech HT330 Rugged Handheld Terminal [pdf] User Manual HT330BTNFL, HLEHT330BTNFL, HT330, Rugged Handheld Terminal, HT330 Rugged Handheld Terminal
	unitech HT330 Rugged Handheld Terminal [pdf] User Guide HT330 Rugged Handheld Terminal, HT330, Rugged Handheld Terminal, Handheld Terminal, Terminal

References

- [unitech Unitech Global | Your Brilliant AIDC Solution Provider](#)