# Bluetooth UHF Pocket Reader

**- RP902 -**




## User's Manual

Version 1.0

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# Revision History

| Date | Change Description | Version |
|---|---|---|
| 2023/03/30 | First Published Version | V1.0 |

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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


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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


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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.

## 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

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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。
3. 減少電磁波影響，請妥適使用。

***Note:***

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



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# Laser Information

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

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

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

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

# LED Information

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

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


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# Battery Notice

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.


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**CAUTION!**

- 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。
  請依製造商說明書處理用過之電池
- 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

## 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.


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## Storage and safety notice

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

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

## Product Operation and Storage Notice

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

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

# Adapter Notice

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

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


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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<br>**E-mail:** info@hq.ute.com<br>**Address:** 5F, No. 136, Lane 235, Baoqiao Road, Xindian District, New Taipei City 231, Taiwan (R.O.C.)<br>**Website:** http://www.ute.com | **Tel:** +31-13-4609292<br>**E-mail:** info@eu.ute.com<br>**Address:** Kapitein Hatterasstraat 19, 5015 BB, Tilburg, the Netherlands<br>**Website:** http://eu.ute.com |
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| **North America** | **Please scan QR Code to visit us :** |
| **Tel:** +1-714-8916400<br>**E-mail:** info@us.ute.com / info@can.ute.com<br>**Address:** 6182 Katella Ave, Cypress, CA 90630, USA<br>**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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# Chapter 1 - Overview

## 1.1 Differentiate RP902/RP902 MFi

### 1. Gift box Outlook

RP902 MFi version will have the MFi mark on the gift box (please refer to the picture below).




### 2. P/N on the Product Label (in the battery Compartment)

**RP902 Standard:**

- RP902-33E8S0G
- RP902-43A8S0G
- RP902-43F8S0G

**RP902 MFi:**

- RP902-33EMS0G
- RP902-43AMS0G
- RP902-43FMS0G

### 3. Product Label Color

**RP902 Standard:** White (please refer to the picture below)




**RP902 MFi:** Yellow (please refer to the picture below)




### 4. Operating Mode (in the Setting Page)



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**RP902 Standard:**

Supports "USB SPP, BT SPP, **BT HID**, Buffer and **BLE HID** mode.

**RP902 MFi:**

Only supports "USB SPP, BT SPP and Buffer" mode.

## 5. Bluetooth Name Format on the Host Device During Bluetooth Pairing

**RP902 Standard:**

- RP902_XXXX

**RP902 MFi:**

- RP902_i_XXXX



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# 1.2 Package

Please make sure the following contents are in the RP902 gift box.
If something is missing or damaged, please contact your Unitech representative.

## The Package Contents

- RP902 Terminal
- Battery (PN#1400-900066G)
- USB Type-C Cable (PN#1550-905908G)

## Optional Accessories

- One-Slot Charging Cradle (PN#5000-900096G)
- Wrist Lanyard (PN#5500-900007G)
- Neck Lanyard (PN#3210-900019G
- Power Supply (PN#1010-900067G)
- RFID tags/labels


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# 1.3 Product Detail

## 1.3.1 RP902 Product View

**Side View**




**Front View**

**Rear View**

**1.** Status LED
**2.** Communication LED
**3.** 0.96" LCD
**4.** Power/Triger Key
**5.** Select Down/Power Off
**6.** Function/Select Up Key

**7.** Antenna Area
**8.** Battery Lock
**9.** Battery Cover
**10.** USB Type-C Port
**11.** POGO Pin
**12.** NFC Tag


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## 1.3.2 Button & LED Overview





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# 1.4 Specifications

| | |
|---|---|
| **System Feature** | |
| **Languages support** | English |
| **Display** | |
| **Screen Size** | 0.96" |
| **Indicator Type** | |
| Charging LED * 1<br>Communication LED * 1<br>Vibration<br>Audible Tone | |
| **RFID** | |
| **UHF** | EPC global Class1 Gen2, ISO/IEC 18000-6C<br>865MHz ~ 928MHz (US/EU/JP/TW/CN) |
| **UHF RFID Performance / Interface** | |
| **Reading Distance** | 2 Meters |
| **Antenna Ports** | UHF Linearly Polarized Antenna |
| **RF Power output** | 11 - 27 dBm (Adjustable) |
| **Communication** | |
| **Bluetooth®** | Bluetooth® 5.0 (HID / SPP / BLE) |
| **I/O Interfaces** | |
| **USB** | USB Type-C*1 |
| **Enclosure** | |
| **Dimensions** | 109 x 51 x 28 mm |
| **Weight** | 106 g |
| **Durability** | |
| **Drop Specification** | 1.2 Meters |
| **Sealing** | IP65 |
| **Environmental** | |
| **Operating temperature** | -10 to 50 °C |
| **Storage temperature** | -20 to 60 °C |


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| | |
|---|---|
| **Electrostatic Discharge** | +/-8kV air discharge<br>+/-4kV contact discharge |
| **Read Range** | |
| **1M:** When Power is 22dBm<br>**2M:** When Power is 27dBm<br>(Depends on the type and quantity of RFID tag and environment) | |
| **Operating Time** | |
| > 12 hours with 75,000 tag readings | |
| **Charge Time** | |
| **2 hours:** via One-Slot charging cradle<br>**3.5 hours:** via USB Type-C cable) | |
| **Power Source** | |
| **Main Battery** | 3.7V, 1150mAh, Lithium Battery (Changeable) |
| **Push Button** | 3 Buttons |
| **Software** | |
| SDKs for Android & Windows | |
| TagAccess for Android version & Windows version | |
| **Compatibility** | |
| **RP902 Standard Version:**<br>BT: Android / Windows / iOS (BLE)<br>USB: Windows<br><br>**RP902 with MFi Version:**<br>BT: iOS (MFi)<br>USB: Windows | |
| **Regulatory Approvals** | |
| FCC, CE, TELEC, NCC | |
| **Accessories** | |
| ■ One-Slot Charging Cradle (PN#5000-900096G)<br>■ Wrist Lanyard (PN#5500-900007G)<br>■ Power supply (PN#1010-900067G)<br>■ Neck Lanyard (PN#3210-900019G)<br>■ RFID tags/labels | |


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# 1.5 Getting Started

## 1.5.1 Install the Battery

1. Turn RP902 to its rear side, and push the battery lock to the right to unlock the battery.



2. Grab two protrusions on both sides of the battery cover, and lift upward to remove.





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3. Insert the battery into the battery compartment from the top side and press down, make sure to leave half of the battery strap outside.



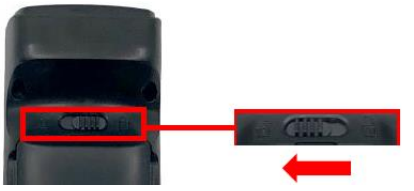
4. Press down the battery.



5. Align two hooks at the bottom of the battery cover with the recesses on the batter compartment and insert, please make sure to completely cover the battery strap.



6. Push the battery against the front and lift to remove.





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***Note:*** Please ensure the battery strap is not revealed.

## 1.5.2 Remove the battery

1. Turn the terminal to its rear side, and push the battery lock to the right to unlock the battery.



2. Grab two protrusions on both sides of battery cover, and lift upward to remove it.

4. Pull the battery strap upward to remove.





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## 1.5.3 Charging the Battery

1. Plug the one end of the USB Type C cable into the port on the reader and another end into a USB port on the host PC or power adapter.

2. Please fully charge the reader (or until the Status LED turns off) before use.

| Required Time for Full Charge | |
|---|---|
| **Charging Item** | **Time** |
| One-Slot Charging Cradle | 2 hours |
| USB Type-C Cable | 3.5 hours |



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


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### 1.5.4 Turning on the RP902 for the first time

1. Short press the power/trigger key to power on RP902.

2. Power on RP902 for the first time, the communication LED will show green flash first then "flashing blue light" that indicates RP902 is waiting for Bluetooth connection.

3. Enable the BT function of the host device and select "RP902_0ABB (RP902 terminal name)" to connect with RP902. After connection, the communication LED shows solid blue light.

***Note:*** RP902 Supports NFC quick pairing.

## 1.6 LED Indicator

| LED / LED Status | Status LED | Communication LED |
|---|---|---|
| **Off** | Power off / Fully charged | |
| **Red Solid** | Battery charging | Connected with USB cable |
| **Green Flash** | RFID tag being read successfully | RP902 turned on |
| **Blue Flashing** | —— | Waiting for BT connection |
| **Blue Solid** | —— | BT connection success |


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# Chapter 2 – Installation & Operation

## 2.1 Basic Functions

### 2.1.1 Power Up/Shut Down

**Power Up**

Short press the Power/Trigger Key to power up. You will hear short beeps (SPP mode: 1 beep/HID mode: 2 beeps/Buffer mode: 3 beeps) with green flash appears on the communication LED, then the LCD screen will appear.




Start-up Screen

**Shut Down**

Long press the Select Down/ Power Off button for about 3 seconds to shut down the terminal.



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## 2.1.2 Operation Quick Overview

| **Power On / Off** | |
|---|---|
| **Power On** | Short press Power / Trigger Key |
| **Power Off** | Long press Select Down / Power Off Key about 3 secs |
| **Setting Page** | |
| **Enter the Setting Page** | Short press Function / Select Up Key |
| **Enter** | Short press Power / Trigger Key |
| **Up** | Short press Function / Select Up Key |
| **Down** | Short press Select Down / Power Off Key |
| **Read Mode** | |
| **Single read:** Short press Power / Trigger Key<br>**Multiple read:** Keep pressing Power / Trigger Key<br>**Counter read:** Press and hold the Power / Trigger key<br>**Rapid read:** Short press Power / Trigger Key<br>***Note:*** Please select the multiple reading mode to enable continuous reading. | |
| **Return to Scan Page** | |
| Long press Function / Select Up Key about 3 seconds | |


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# 2.2 LCD Display

**Left**: The icon and the alphabet indicates the operation mode.
(e.g., in the picture, it indicates Bluetooth SPP mode.)
**Middle**: Time
**Right**: Battery State





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# 2.3 Default Settings

| | |
|---|---|
| **Operating Mode** | Bluetooth SPP Mode |
| **Read Mode** | Single Read |
| **Power Setting** | 22 dBm |
| **Beep Setting** | Low |
| **Vibrate Setting** | Enable |
| **Auto Power-off** | 2 min |


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# 2.4 Setting Page

On the main screen, scroll the screen from bottom to top to reach the

| | |
|---|---|
| **Operating Mode** | USB **SPP** mode |
| | *BT **SPP** mode |
| | BT **HID** mode |
| | **Buffer** mode |
| | BLE **HID** mode |
| ***Note***:<br>•The " ***** " indicates the default setting.<br>•The data will be temporarily saved in the reader under Buffer Mode | |
| **Read Mode** | *Single read |
| | Multiple read |
| | Counter read |
| | Rapid read |
| **Power Setting** | 11-27 dBm (*22 dBm) |
| **Beep Setting** | High |
| | Medium* |
| | Low |
| | Mute |
| | High |
| **Vibrate Setting** | *Enable |
| | Disable |
| **Auto Power-off** | Disable |
| | 1-3/5/10 min (*2min) |
| **Factory Default** | Enable/Disable |


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| | | |
|---|---|---|
| **Data** | **Format** | *Hex |
| | | ACII |
| | **Tag-Info** | *EPC |
| | | USER(0~5) |
| | | TID |
| | **Tag-Unique** | *by EPC |
| | | By Tag-Info |
| | **Terminator** | None/Null |
| | | CR/LF |
| | | Tab |
| | **HID Char-Delay** | 1ms |
| | | 5ms |
| | | *10ms |
| | | 20ms |
| | | 50ms |
| | | 100ms |
| **Information** | | FW Version |
| | | Serial Number |
| | | MAC Address |
| | | SKU ID |
| | | Temperature |
| ***Note:*** SKU ID: 1 = EU, 2 = US, 3 = JP | | |

***Note:*** For more details about **Data**, please refer to 2.4.3. Data Definition.


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## 2.4.1 Operating Mode

| Operating Mode | |
|---|---|
| **Icon** | **Operating Mode** |
|  | USB SPP |
|  | BT SPP |
|  | BT HID |
|  | Buffer |
|  | BLE HID |

***Note:***

Once you select a different operating mode, the terminal will automatically restart.

To enable USB SPP and BT SPP mode, please refer to TagAccess User's Manual which can be download on http://www.ute.com/en/products/detail/TagAccess, or scan the barcode and search for TagAccess to download .



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## 2.4.2 Read Mode

- **Single read:** The terminal only reads one tag upon each press.

Please release the Power / Trigger Key and press again to read another tag. The LCD screen will show the EPC code of the RFID tag being read (shown as picture below).




- **Multiple read**: The terminal can read multiple tags that are under RF coverage upon each press. Keep pressing the Power / Trigger Key to read the tags that have not been read. The tags that had been read will not be read again, unless you release the button and press again.

  - **When there is only one tag:**

  Shows the EPC Code of the tag being read.




  - **Multiple tags being read:**

  Shows the amount of tags being read.




***Note**: Please note that RP902 does not support continuous reading by single press of trigger key for more than 15 seconds. Users need to release the trigger key and press again to start a new round of reading.


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- **Counter read**: Press and keep holding the trigger key, the LCD screen will show the total amount of tags that were being read.




- **Rapid read:** Short press the Power / Trigger Key, and the LCD screen will show the average and maximum read rate (Read/s).





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## 2.4.3 Data Definition

- Format: The tags being read are displayed in Hex/ASCII Format.
  - Hex: Appeared as Hex
  - ASCII: Appeared as ASCII

- Tag-Info: You may select what type band you want to read.
  - EPC: Read EPC band
  - USER: Read USER band
  - TID: Read TID band

- Tag-Unique: Select which type of band you want to use to distinguish the unique tag.
  - By EPC: Distinguish how many unique tags were being read by EPC.
  - By Tag-Info: Distinguish how many unique tags were being read by the band setting in the Tag-Info.

- Terminator: Deciding how to separate each tag information in HID and Buffer mode.
  - Non/Null: Tags continues without interval.

  Tags being read will appear as the following format:

  ```
  48656C6C6F556E6974656368E2003412DC03011774331365E2003412DC030117743
  ```

  - CR/LF: Each tag is separate by line Feed.

  Tags being read will appear as the following format:

  ```
  48656C6C6F556E6974656368
  48656C6C6F556E6974656368
  E2003412DC03011774331348
  ```

  - Tab: There is tab between each tag.

  Tags being read will appear as the following format:

  ```
  48656C6C6F556E6974656368    E2003412DC03011774331365
  E2003412DC03011774331365    48656C6C6F556E6974656368
  E2003412DC03011775168163    E2003412DC03011774331348
  ```

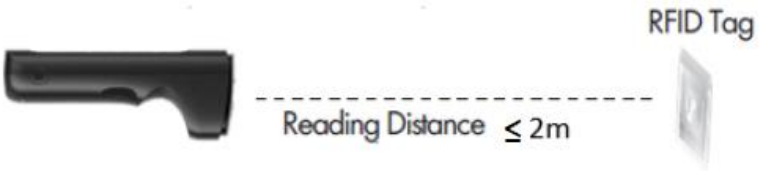

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- HID Char-Delay: How long should the read tag data be delayed before being sent to the host device (in HID mode).
  - 1 ms: 1ms delay
  - 5 ms: 5ms delay
  - 10 ms: 10ms delay
  - 20 ms: 20ms delay
  - 50 ms: 50ms delay
  - 100 ms: 100ms delay


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# 2.5 Reading RFID Tags

It is recommended to read RFID tags by aiming the antenna area of RP902 at the RFID tag horizontally (as shown in the picture below.)




Reading distance may be impacted by the type of tag and environmental conditions.
Reading range is 1m when power is 22dBm, and the maximum reading range is 2m when power is 27 dBm.

# 2.6 RP902 Data Collection

***Note:*** The tags that were being read will be saved in RP902 (with 7MB internal buffer).

### How to collect the data saved in RP902?

1. Getting Start → Enter the Setting page by short pressing the Function/Select Up Key →Enter the Operating Mode → Select **Buffer** Mode, and RP902 will restart.




2. Connect RP902 with PC through **USB cable** → Enter the USB disk → Open the file "inventory"

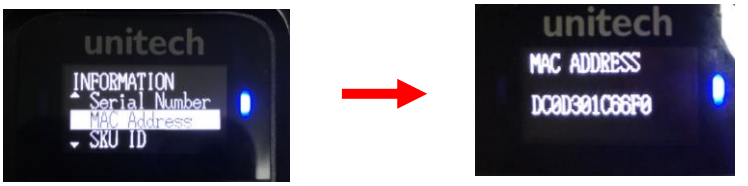

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# 2.7 Connecting to a PC/Notebook

1. Getting Start → Enter the Setting page by short pressing the Function/Select Up Key → Enter the Operating Mode → Select **BLE HID** Mode, and RP902 will restart.




2. Go back to Setting page → **Information** → **MacAdress**




3. Turn on the Bluetooth of your PC/Notebook → Search for the Bluetooth device that matches RP902 Mac Address and connect.




The communication LED will show blue light when the pairing is success.


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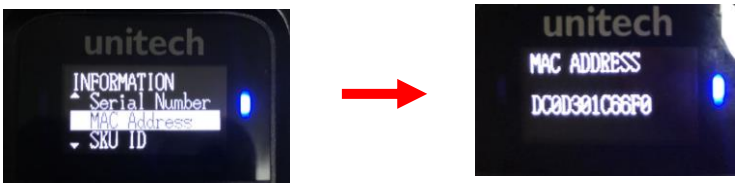
# 2.8 Connecting to an Android Device

## 2.8.1 Connecting to an Android Device under HID Mode

1. Getting Start → Enter the Setting page by short pressing the Function/Select Up Key → Enter the Operating Mode → Select **BLE HID** Mode, and RP902 will restart.




2. Go back to Setting page → **Information** → **MacAdress**




3. Turn on the Bluetooth of your Android device → Search for the Bluetooth device that matches RP902 Mac Address and connect.




The communication LED will show blue light when the pairing is success.


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## 2.8.2 Connecting to an Android Device under SPP Mode

Install the **TagAcess APK**  into your Android device.

Please download it through the link below:
http://www.ute.com/en/products/detail/TagAccess

***Note:*** For more detail instruction, please refer to **TagAccess User's Manual** which can be download on http://www.ute.com/en/products/detail/TagAccess.


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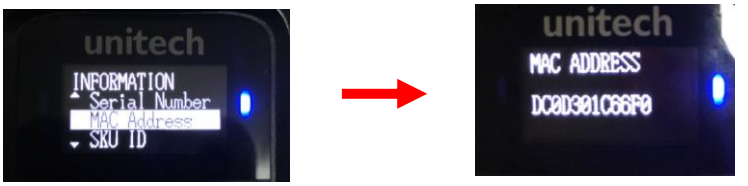
# 2.9 Connecting to an APPLE iOS Device

***Note:*** You can only connect RP902 to an APPLE iOS Device through **BLE HID** mode.

1. Getting Start → Enter the Setting page by short pressing the Function/Select Up Key → Enter the Operating Mode → Select **BLE HID** Mode, and RP902 will restart.




2. Go back to the Setting page → **Information** → **MacAdress**




3. Turn on the Bluetooth of your APPLE iOS Device → Search for the Bluetooth device that matches RP902 Mac Address and connect.




The communication LED will show blue light when the pairing is success.

***Note:*** For more information, please refer to **TagAccess User's Manual** which can be download on http://www.ute.com/en/products/detail/TagAccess.


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# 2.10 Disconnect

Long press (about 3 -5 secs.) the two buttons at the bottom of RP902 at the same time to release the BT connection between the host device and RP902.



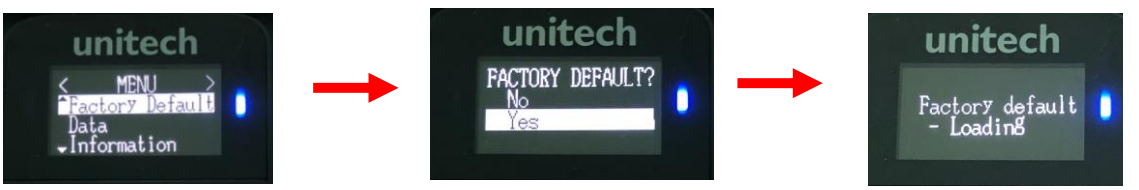

# 2.11 Firmware Update

For RP902 Firmware Update Instruction, please refer to **RP902 F/W Update Instruction** which can be download through the link below: https://www.ute.com/en/products/detail/RP902 (in the **FAQ** Section), or by scanning the barcode below.

***Note:*** During F/W Upgrade, Status LED will show solid red light.

# 2.12 Performing Factory Default Reset

Select Factory Default from the Menu, and RP902 will restart after performing factory default.





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