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For more detailed scanner setting, please go to www.ute.com to download the user manual and RFID utility.

RP901
Wireless UHF RFID Pocket Reader
Quick Guide

Version 2.2

FCC WARNING STATEMENT

This equipment 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 to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to 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 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.

CANADIAN DOC STATEMENT

This digital apparatus does not exceed the Class B limits for radio noise for digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.
Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de las classe B prescrites dans le Réglement sur le brouillage radioélectrique édicté par les ministère des Communications du Canada.

CE MARKING AND EUROPEAN UNION COMPLIANCE

Testing for compliance to CE requirements was performed by an independent laboratory. The unit under test was found compliant with all the applicable Directives, 2004/108/EC and 2006/95/EC.

WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT

The WEEE directive places an obligation on all EU-based manufacturers and importers to take-back electronic products at the end of their useful life.

ROHS STATEMENT OF COMPLIANCE

This product is compliant to Directive 2002/95/EC.

NON-MODIFICATION STATEMENT

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CE FC RoHS

WARNING AND CAUTION

1. Take any metals into contact with the terminals in connectors.
2. Use the scanner where any inflammable gases.

If following condition occur, immediately power off the host computer, disconnect the interface cable, and contact your nearest dealer.

1. Smoke, abnormal odors or noises come from the scanner.
2. Drop the scanner so as to affect the operation or damage its housing.

Do not do behavior below.

1. Put the scanner in places excessively high temperatures such as expose under direct sunlight.
2. Use the scanner in extremely humid area or drastic temperature changes.
3. Place the scanner in oily smoke or steam environment such as cooking range.
4. Be covered or wrapped up the scanner in bad-ventilated area such as under cloth or blanket.
5. Insert or drop foreign materials or water into scanning window or vents.
6. Using the scanner while hand is wet or damp.

Do Not

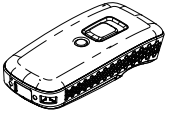
7. Use the scanner with anti-slip gloves containing plasticizer and chemicals or organic solvents such as benzene, thinner, insecticide etc to clean the housing. Otherwise, it could not result fire and electrical shock but housing may be broken and injured.
8. Scratch or modify the scanner and bend, twist, pull or heat its interface cable.
9. Put heavy objects on interface cable.

Do not stare the light source from the scanning window or do not point the scanning window at other people's eyes or eyesight may be damaged by direct exposure under the light.

Do not put the scanner on an unstable or inclined plane.
The scanner may drop, creating injuries.

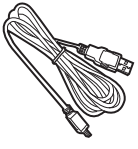
Once the interface cable is damaged such as exposed or broken copper wires, stop using immediately and contact your dealer. Otherwise, it could result fire or electrical shock.

OUT OF THE BOX



Wireless UHF RFID
Pocket Reader

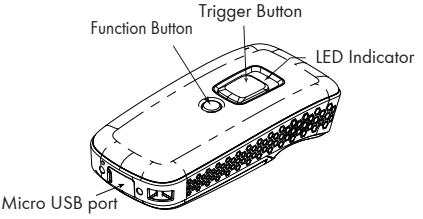
Quick Guide



USB Charger Cable

Wrist Strap

INTRODUCTION



SPECIFICATIONS

Frequency	865 - 928 MHz (US/EU/JP/TW/CN)
Standard	EPC Gen2/ ISO 18000-6C
Read Range	Single Tag Mode: Up to 100cm (Depends on the type of RFID tag and environment) Multiple Tag Mode: Less than 50cm (Depends on the type and quantity of RFID tag and environment)
Memory	2MB
Housing	PC + ABS
Weight	103.5g (w/ battery)
Profile/Interface	BT HID, BT SPP, USB HID, USB VCP
Battery Life	6000 scans
Charge Time	4 hours (fully charged)
Radio	Bluetooth 2.1 + EDR (Class2)
Radio Coverage	10M/33ft. (line of sight)
Operating Temp	-10 to 50°C (14°F to 122°F)

BEEPER INDICATION

Single long beep	Power up
Single beep	Good read
Two beeps	i. Wireless connection ii. The reader successfully enters or exits configuration mode
Three beeps	Wireless disconnection
Three short beeps	The reader reads a tag while disconnected.
Four beeps (Hi-Lo-Hi-Lo)	Out of range/Poor connection
Five beeps	Low power

LED INDICATION

Off	Standby or Power off
Flashing Blue	Disconnected or Discoverable
Green for 2 sec	Good Read
Flashing Red	Low power
Solid Red	Charging

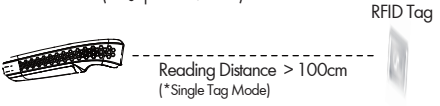
CHARGING THE BATTERY

1. Flip open the micro USB port on the reader.
2. Plug the micro USB connector into the port on the reader and USB A connector into a USB port on the host PC or power adapter.
3. Please fully charge the reader for 4 hours (or until the red LED indicator turns off) before use.

READING RFID TAGS

Below figure shows the optimal orientation of reader and RFID Tag for reading.

RP901-43H810G: (For Japanese version)



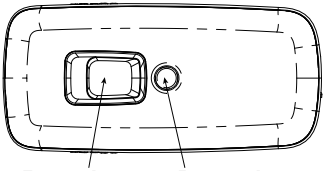
RP901-43A810G/33E810G/43T810G/43C810G:

Reading Distance (reference)		
Type of RFID Tag: ALIEN-9640		
Quantity of ALIEN-9640	Reading Distance	Note
1 unit	100 cm	Single Tag Mode
2 units	40 cm	Multiple Tag Mode
3 units	25 cm	
5 units	20 cm	

Reading distance may be impacted by the type of tag and environmental conditions. Above is based on Alien 964X Higgs-3 tag and tested in an office environment (25°C)

POWER UP

Press the Trigger Button for 2 seconds. The unit will emit one (1) long beep and light the LED red as confirmation that the reader has successfully powered up.



DISCONNECT/ CLEAR PAIRING RECORD

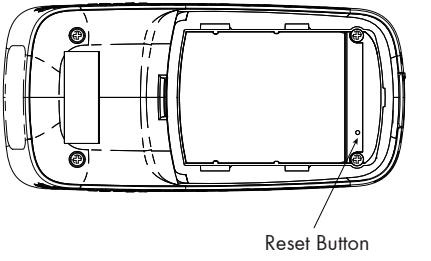
STEP 1:
Remove/Forget the the "UHF RFID reader" from the Bluetooth device list on your host device.

STEP 2:
Long press on the Function Button for 5 seconds without releasing. The unit will emit three (3) beeps and the blue LED will start flashing as confirmation that the reader is discoverable.

SHUT DOWN

METHOD 1:
By default, the unit shuts down automatically after 5 minutes of inactivity.

METHOD 2:
Using a needle or paper clip, press the Reset Button located at the bottom of the reader once. This will force a shut down.



METHOD 3:
Simply disconnect the battery from the reader. This will force a shut down as well.

GETTING CONNECTED

Connecting to a PC/ Notebook

1. Press and hold the Trigger Button for 2 seconds to power up the unit, after which the blue indicator LED will flash continuously.

2. Long press on the Function Button for 5 seconds without releasing until 3 beeps. This ensures the previous pairing record is deleted.

3. Enter the PC/Notebook's Bluetooth application, and click "Add a Device".

4. In the Add a device window, double click "UHF RFID Reader" to connect.

5. When successfully connected the reader will emit two short beeps, and the blue LED indicator will shut off.

6. Launch a program that can accept HID keyboard input, such as Notepad. RFID Tag data read by the reader will output to that program.

Connecting to an Apple iOS Device

1. Press and hold the Trigger Button for 2 seconds to power up the unit, after which the blue indicator LED will flash continuously.

2. Long press on the Function Button for 5 seconds without releasing until 3 beeps. This ensures the previous pairing record is deleted.

3. On the Apple iOS device, go to Settings > Bluetooth, and turn on Bluetooth.

4. In the discoverable devices list, select "UHF RFID Reader".

5. Upon establishing connection the reader will emit two short beeps and turn off its blue LED indicator. Also, the UHF RFID Reader will list as "Connected" in the Apple iOS device's Bluetooth devices list.

6. Launch an app that can accept HID keyboard input, such as Notes. RFID Tag data read by reader will output to that app.

7. If a virtual keyboard is required, please press the Function Button once. At this moment the reader will emit one short beep, and the Apple iOS device's virtual keyboard will pop out.

Connecting to an Android Device

1. Press and hold the Trigger Button for 2 seconds to power up the unit, after which the blue indicator LED will flash continuously.

2. Long press on the Function Button for 5 seconds without releasing until 3 beeps. This ensures the previous pairing record is deleted.

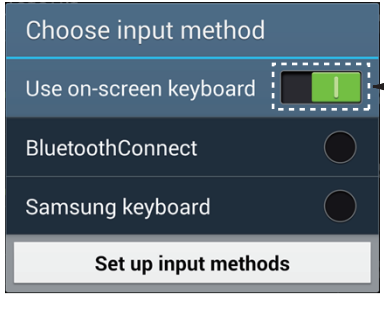
3. On the Android device, go to Settings > Bluetooth, and turn on Bluetooth.

4. In the available devices list, select "UHF RFID Reader".

5. Upon establishing connection the reader will emit two short beeps and turn off its blue LED indicator. Also, the UHF RFID Reader will list as "Connected" in the Android device's Bluetooth devices list.

6. Launch an app that can accept HID keyboard input, such as ColorNotes. RFID Tag data read by reader will output to that app.

7. If a virtual keyboard is required, please do the following:
   (1) Enter "Settings"
   (2) Enter "Language & Input"
   (3) Tap on "Default keyboard"
   (4) Turn off "Physical keyboard", or turn on "On-screen keyboard" and the Touch Keyboard will function properly again.



DEFAULT RFID SETTINGS

Operation Mode	= Trigger Mode
Read Mode	= Single-Tag Read
Session	= S0
Target	= Single Target
Tag Info	= EPC Code and TID
CRC Value	= Disable
Scan Period and Delay Time	
Scan Period	= Disable
Delay Time	= Disable
Scheme and Filter	
EPC Scheme Tag	= All
Accepted Filter	= Disable
Rejected Filter	= Disable
Affected Scheme Filter	= SGTIN-96
RF Parameters	
RF Output Power	= Level 5 (max)
Data Output Format	= Simple Cascade
Data Content	= Hexadecimal
Time Log Data	= Disable
RSSI Data	= Disable
EPC Scheme Data	= Disable
EPC Code Data	= Enable
PC Data	= Disable
TID Data	= Enable
No Tag Message	= Disable

RFID UTILITY

RFID Utility enables you to configure the reader with your PC/Laptop via USB connection. It is available for download from www.ute.com.