MR10A7 Mobile NFC Reader User Guide

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Mobile NFC Reader

Quick Guide

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.

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

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 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.
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.

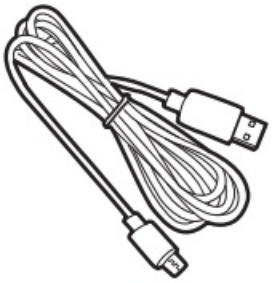
Do not put the scanner on an unstable or inclined plane.
The scanner may drop, creating injuries.

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

Mobile NFC Reader

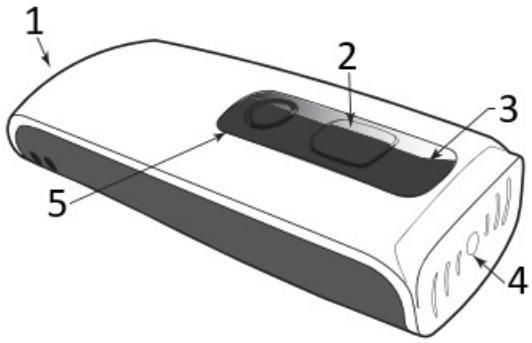
Quick Guide



USB Charger Cable

Neck Strap

INTRODUCTION



1. Type-C USB port (w/ Protective Cover)
2. Trigger Button
3. LED Indicator
4. Antenna
5. Function Button

SPECIFICATIONS

Frequency	13.56MHz
Standard	ISO14443A/B, ISO15693, NFC
Memory	2MB
Housing	Plastic(PC)
Weight	70g
Profile/Interface	BT HID, BT SPP, USB HID, USB VCP
Battery Life	10000 scans
Charge Time	3 hours (fully charged)
Radio	Bluetooth 5.0
Coverage	20M/66ft. (line of sight)
Operating Temp	-10 to 55˚C (14˚F to 131˚F)
Sealing	IP55

NFC TAGS SUPPORT LIST

ISO14443A	Mifare S-70 Mifare S-50 Mifare Ultralight Mifare DesFire (MF3) SLE66R35 (M–Classic)
ISO14443B	SRIX512 SRIX4K
ISO14443B	I-Code SLI Ti2048 (Plus) Ti256 (Standard) SRF55V10P (EM) Advant ATC1024
Others	Topaz 96/ 512 Felica Lite NTAG 203/ 215/ 216

BEEPER INDICATION

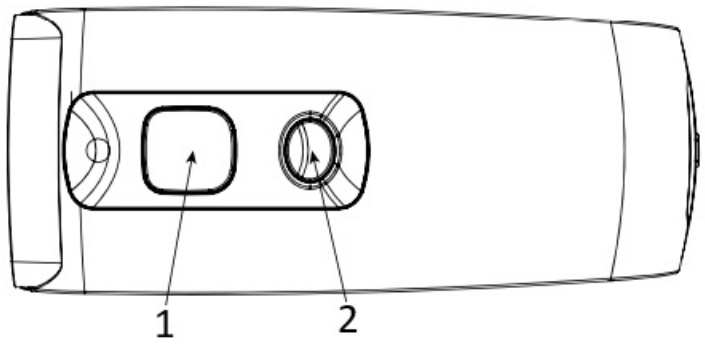
Single long beep	Power up
Single beep	Good read
Two beeps	i. Wireless connection ii. The reader successfully enters or exits configuration mode
Four beeps (Hi-Lo-Hi-Lo)	Out of range/Poor connection
Five beeps	Low power
Three beeps	Wireless disconnection
Three short beeps	The reader reads a tag while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

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

POWER UP

Press the Trigger Button for 2 seconds without releasing. The unit will emit one (1) long beep and light the LED red as confirmation that the reader has successfully powered up.



1. Trigger Button
2. Function Button

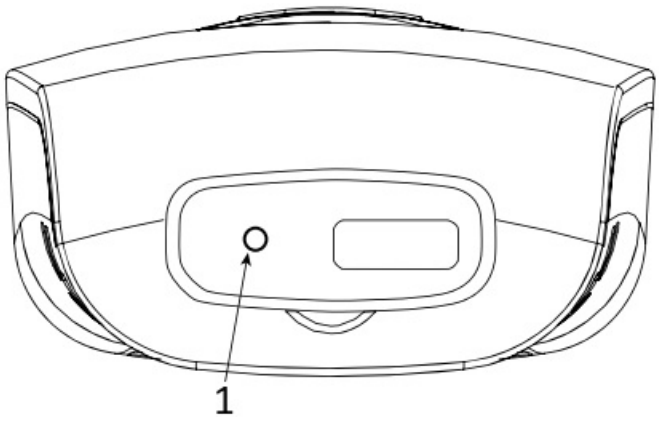
DISCONNECT/ CLEAR PAIRING RECORD

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.



1. Reset Button

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. Enter the PC/Notebook's Bluetooth application, and click "Add a Device".
3. In the Add a device window, double click "HF RFID Reader" to connect.
4. When successfully connected the reader will emit two short beeps, and the blue LED indicator will shut off.
5. Launch a program that can accept HID keyboard input, such as Notepad. NFC Tag data read by the reader will output to that program.

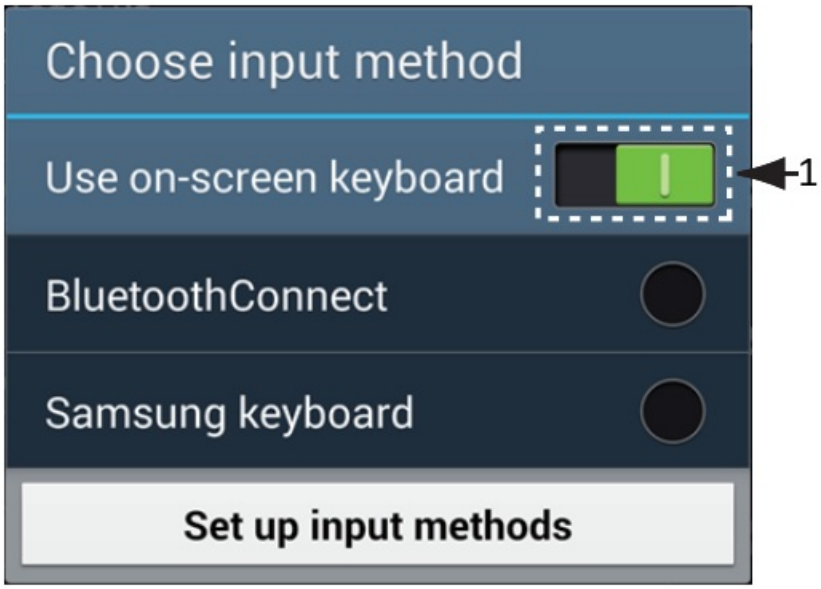
Connecting to an Apple iOS Device

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. On the Apple iOS device, go to Settings > Bluetooth, and turn on Bluetooth.
3. In the discoverable devices list, select "HF RFID Reader".
4. Upon establishing connection the reader will emit two short beeps and turn off its blue LED indicator. Also, the HF RFID Reader will list as "Connected" in the Apple iOS device's Bluetooth devices list.
5. Launch an app that can accept HID keyboard input, such as Notes. NFC Tag data read by reader will output to that app.

6. 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. On the Android device, go to Settings > Bluetooth, and turn on Bluetooth.
3. In the available devices list, select "HF RFID Reader".
4. Upon establishing connection the reader will emit two short beeps and turn off its blue LED indicator. Also, the HF RFID Reader will list as "Connected" in the Android device's Bluetooth devices list.
5. Launch an app that can accept HID keyboard input, such as Color Notes. NFC Tag data read by reader will output to that app.
6. 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.



1. Slide to turn on/off

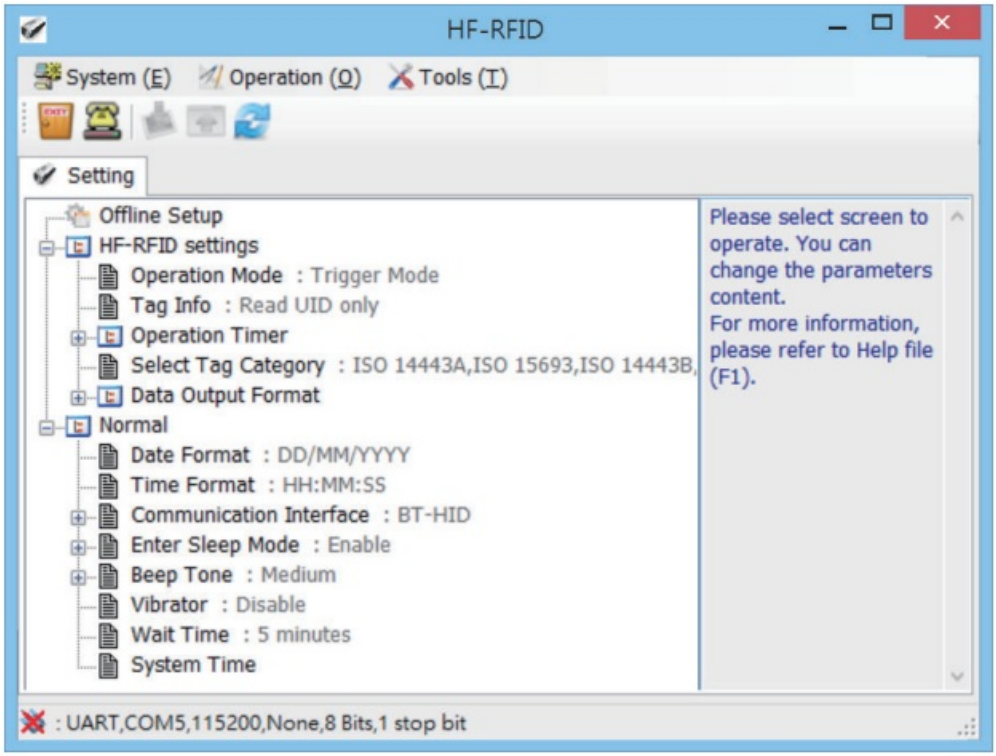
DEFAULT SETTINGS

Operation Mode	= Trigger Mode
Tag Info	= Read UID only
Select Tag Category	= ISO14443A, ISO14443B, ISO15693
UID Data	= Enable
Date Format	= DD/MM/YYYY
Time Format	= HH:MM:SS
Communication Interface	= BT-HID

BT-ID	= HF RFID Reader
Keyboard Layout	= USA
Keyboard Numeric	= Alpha Numeric
Keyboard Caps Lock	= OFF
Inter-block Delay	= 0 ms
Inter-character Delay	= 0 ms
Data Terminate	= <NUL>
Enter Sleep Mode	= Enable
Timer of Sleep Mode	= 05:00
Beep Tone	= Medium
Beep Time	= 150 ms
Vibrator	= Disable
Wait Time	= 5 minutes

RFID UTILITY

RFID Utility enables you to configure the reader with your PC/Laptop via USB connection. It is available for download from our website. For more information, please contact your local distributor.



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Documents / Resources

	MOBILE NFC READER MR10A7 Mobile NFC Reader [pdf] User Guide MR10A7 Mobile NFC Reader, MR10A7, Mobile NFC Reader, NFC Reader, Reader

References

- **User Manual**