Accessory Manual

- M3 RFID GUN -

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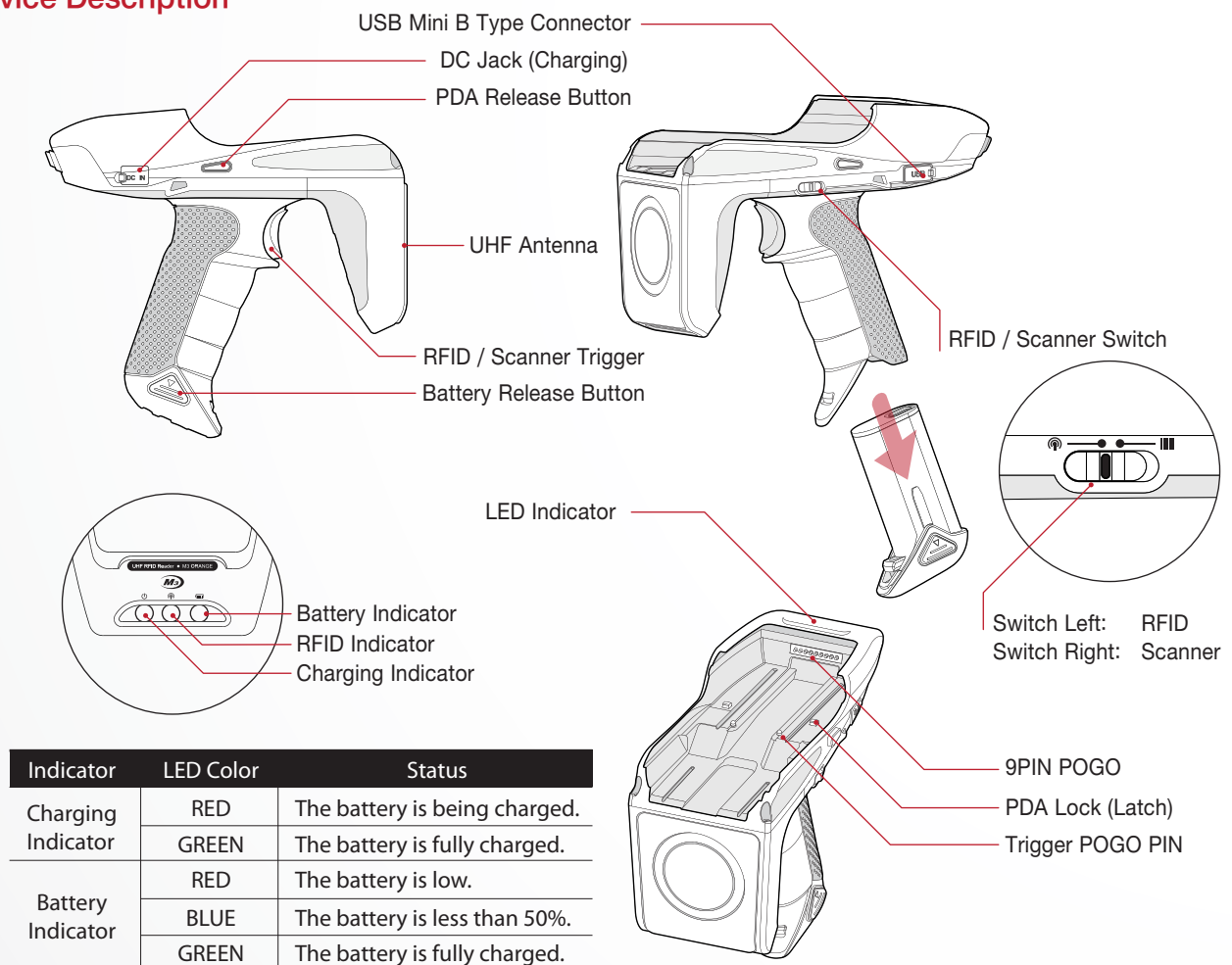Copyright © 2013 M3 Mobile Co., Ltd.

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Safety Precautions

• Do not touch charging plug with wet hand. It may cause electric shock.
• Be aware of handling battery.
  - Do not apply big impact or drill into it.
  - Avoid damping the battery or submerge into water.
  - Avoid metallic contact with the battery.
• Do not expose the product to excessive heat.
  - It may cause corruption or explosion.
  - If PDA has been left in a car, as temperature increases it may cause explosion.
• Avoid use of PDA in restricted area.
  - It can cause radio interference.
  - When using the product in hospital, make sure it does not cause interference with the medical equipment.
• This part of EN 62209 series is applicable to any wireless commuication device capable of transmitting electro-magnetic fields (EMF) intended to be used at a position near the human body, in the manner described by the manufacturer, with the radiating part(s) of the device atdistances up to and including 200mm from a human body, i.e. when held in the hand or in front of the face, mounted on the body, combined with other transmitting or non-transmitting devices or accessories (e.g. belt-clip, camera or Bluetooth add-on), or embedded in garments.

Device Description

USB Mini B Type Connector
DC Jack (Charging)
PDA Release Button
UHF Antenna
RFID / Scanner Trigger
Battery Release Button
RFID / Scanner Switch
LED Indicator
Switch Left: RFID
Switch Right: Scanner
Battery Indicator
RFID Indicator
Charging Indicator
9PIN POGO
PDA Lock (Latch)
Trigger POGO PIN

Indicator	LED Color	Status
Charging Indicator	RED	The battery is being charged.
	GREEN	The battery is fully charged.
Battery Indicator	RED	The battery is low.
	BLUE	The battery is less than 50%.
	GREEN	The battery is fully charged.

※ WARNING
• Risk of explosion if unauthorized battery is used. Dispose of used batteries according to local policy.
• Risk of explosion if unauthorized power supply is used.

Specification

Model	M3 RFID GUN
Image	
Frequency	860 MHz – 960 MHz
PDA Interface	USB 1.1 (Client)
Protocol	ISO/IEC 18000-6 Type C (EPCGlobal Class 1 Gen 2)
Reading Range	0 m - 5 m (depends on tag and environment)
Writing Range	0 m - 2.5 m (50% of reading range)
Features	Anti Collision, RF Power Control (Max. 1 W)
Battery	Li-ion 3.7V, 5,200 mAh (rechargable, replaceable)
Drop	1.5m
Operating Temperature	-20℃ to 60℃
Dimension	193 mm (L) x 83 mm (W) x 177 mm (H)
Weight	500 g
Compatible PDA	M3 ORANGE Series

* Correct frequency band should be selected to comply with regional regulations:
ETSI, FCC, TELEC, KCC

* Drop to concrete surface 2 times per side (12 drops)

* Specifications are subject to change without notice.

* RFID GUN cannot be used if the battery is depleted. PDA's battery cannot be used to operate the RFID GUN.
Please check the RFID GUN's battery level using the LED battery indicator frequently.

Applicable Area

UHF RFID can be applied in vritually any business that require management of bult items. RFID can be beneficial in some application over bar codes where:
 • Bar code scanner cannot reach the bar code easily - if items are stacked very closely together or very high, bar code scanner may not be able to read the bar code. But, RFID does not require LOS (line of sight) to read the RFID tags.
 • Multi reading is required - Bar codes can only be read one at a time. But, RFID reader can read multiple tags at a time, consquently saving the work time.
 • Dyanmic data is required - Sometimes the data has to be modified to suit current situation. The data can be easily modified in RFID tags depending on the tags where as the bar code can only store static data.

<Distribution>   <Construction>   <Logistics>   <Manufacturing>

Technical Support

Should you require repair services or technical support, contact your supplier or visit M3 Information & Technology Center (ITC) webpage on: **http://itc.m3mobile.net**
After your enquiry is registered on the page, our professional engineers will reply to you within 24 hours during the week. For DOA or RMA, please send the defective prooduct to suitable addess **AFTER** consulting the supplier.

* The contents in this manual is written based on current product state. It can change without prior notice.

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