

HANDHELD & BLUETOOTH RFID READERS

U550-M Bluetooth UHF RFID Pistol-Grip Reader with Phone Holder

The U550-M is a pistol-grip UHF RFID reader with a trigger and a clamp that holds the operator's smartphone. It reads ISO 18000-6C tags at 0–3 m, also scans 1D/2D barcodes, and sends each ID to the phone over Bluetooth as keyboard input, or to a PC through a 2.4G receiver or USB.

- The phone is the screen — the clamp holds a smartphone above the grip, and tag IDs are typed into the app that has the cursor.
- 0–3 m UHF read range — reads ISO 18000-6C tags at up to 3 m, depending on tag type.
- Barcodes as well — 1D and 2D codes, including codes shown on a phone screen.
- Three host links — Bluetooth (stable up to 10 m, no PIN), 2.4G receiver (up to 150 m outdoors) and USB.
- 3500 mAh built-in battery — charged at 5 V, 100 mA working current.
- Trigger plus 4-color LEDs — red for charging, green for a read, orange for working, blue for connection, plus a buzzer.



General	
Model	U550-M
Form factor	Pistol-grip handheld with trigger and smartphone clamp
Frequency	915 MHz (UHF)
Housing color	Black with orange trigger
Standard accessories	Handheld, 2.4G receiver, USB cable, user manual

Cards & reading	
RFID protocol	ISO 18000-6C
Supported tags	ISO 18000-6C UHF tags
Read mode	Read-only (tag ID)
Read range	0–3 m (depends on tag type)
Read time	< 100 ms
Read interval	0.5 s
Barcodes	1D codes, 2D codes and codes on screens

Interface & output	
Host connections	Bluetooth (pairs without PIN); 2.4G wireless (USB receiver); USB
Bluetooth range	Stable up to 10 m
2.4G range	Up to 150 m outdoors
Output	Keyboard-type input; Enter appended by default
Host systems	iOS, Android, Windows XP, Windows 7, Windows 10, Linux
Indicators	4-color LED (red: charging, green: read, orange: working, blue: connection) and buzzer

Physical & environment	
Battery	Built-in, 3500 mAh
Charging voltage	5 V
Working current	100 mA
Standby time	Up to 1 year
Dimensions	171 × 191 × 88 mm
Package size	225 × 205 × 95 mm
Weight	400 g (600 g packed)
Operating temperature	-20 °C to +70 °C

Works with

- ✓ ISO 18000-6C UHF tags: tag ID read at 0–3 m, depending on tag type
- ✓ 1D and 2D barcodes, including codes shown on phone screens
- ✓ iOS and Android phones over Bluetooth; Windows XP/7/10 and Linux PCs
- ✓ Any app with a text input field (keyboard-type output)

Not designed for

- ✗ Writing or encoding UHF tags: use the U120-U desktop reader/writer
- ✗ Reader control from your own app through an SDK: none is documented for this model
- ✗ 13.56MHz NFC / MIFARE and 125kHz proximity cards

OEM / ODM options (confirmed per order)

- ◆ Versions for UHF bands other than the stated 915 MHz: availability for your destination country confirmed in your quotation
- ◆ Private-label marking and packaging, confirmed in your quotation
- ◆ Output settings such as the Enter terminator preset to suit your app, confirmed in your quotation

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Specifications describe the standard version and may change without notice. Read range depends on the card or tag, mounting and environment. Pricing, configuration, lead time and terms are confirmed in your quotation.