



## RFID POCKET READER WITH BLUETOOTH® WIRELESS TECHNOLOGY

UHF RFID technology allows users to read and write information on devices, name tags or transponders, which are placed on objects for their identification. Read/write operations can occur without a line-of-sight and at longer distances and faster speeds compared to other passive technologies, thus allowing a less expensive and more efficient automated process.

## KEYBOARD EMULATION AND BATCH MODE OPERATION

The HID version supports native keyboard emulation allowing the reader to interact directly with legacy applications, office automation software or any other generic solution requiring manual input.

The reader can also operate in Batch Mode allowing the reader to store EPC bar codes into the internal memory when the reader is out of radio range.

## MULTIPLE APPLICATIONS

Designed for mobile operators in outdoor and indoor areas, the DLR-BT001 reader is ideal for in-store inventory management, field sales mobility, service and maintenance applications.

When paired with a Smartphone or Tablet, the DLR-BT001 reader is a cost effective alternative to more expensive handheld devices.



### FEATURES

- EPC Global Class 1 Gen 2 and ISO 18000-6C compliant
- USB and *Bluetooth* wireless communications
- SPP and HID *Bluetooth* profiles
- Integrated linear polarized antenna
- Small, lightweight and ergonomic form factor
- Battery powered
- LCD display
- Vibration feedback
- iPhone/iPad compatibility

### INDUSTRY-APPLICATIONS

- UHF add-on to *Bluetooth* wireless communication devices
- Retail: Point of Sale
- Field Sales Mobility
- Access Control
- Inventory Management
- Service and Maintenance

## TECHNICAL SPECIFICATIONS

**CORDLESS COMMUNICATIONS**

ANTENNA	Integrated linear (horizontal)
APPLE COMPATIBILITY	Models R1170IEAPLP and R1170IUAPLP
BLUETOOTH WIRELESS TECHNOLOGY CONNECTIVITY	Class 2 with output power 4dBm e.i.r.p. USB Interface: USB 2.0 Full Speed (12 Mbit/second) device port
FREQUENCY RANGE	865.600 - 867.600 MHz (ETSI EN 302 208 v. 1.4.1): Model DLR-BT001-EU only; 902-928 MHz (FCC part 15.247): Model DLR-BT001-US only
HID PROFILE	Models R1170IEHIDP and R1170IUHIDP
NUMBER OF CHANNELS	4 channels compliant to ETSI EN 302 208 v. 1.4.1: Model DLR-BT001-EU only; 50 hopping channels compliant to FCC part 15.247: Model DLR-BT001-US only
VIRTUAL COM PORT	Baudrate: up to 230.400 kbps; Databits: 8; Stopbits: 1 Parity: none; Flow control: none

**RFID DECODING CAPABILITY**

STANDARDS SUPPORTED	EPC Global Class 1 Gen 2 and ISO 18000-6C compliant
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**ELECTRICAL**

BATTERY	Battery Type: Li-Ion 3.7V, 570 mAh
BATTERY LIFE	Operating: >12 hours with 40,000 tag readings; Standby: >5 days
BATTERY CHARGING TIME	2 hours (typical)
INTERNAL BUFFER SIZE	48 kByte (equivalent to 4096 EPC codes @ 96 bit) (TBC)
RF POWER	Programmable in 18 levels from 5 dBm e.r.p. to 22 dBm e.r.p. / 3 mW e.r.p. to 150 mW e.r.p.

**ENVIRONMENTAL**

TEMPERATURE	Storage: -20 to 60 °C / -4 to 140 °F Operating: 0 to 45 °C / 32 to 113 °F
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**INTERFACES**

USER INTERFACE	Button #1: ON/OFF Button #2: Trigger LED #1: Power indication and battery status: Green = high; Red = low LED #2: Communication activity: Blue = <i>Bluetooth</i> wireless technology; Orange = USB Buzzer: Bi-tonal for events signaling Vibration: For events signaling Display: LCD Alphanumeric (8 characters x 2 lines)
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**PHYSICAL CHARACTERISTICS**

DIMENSIONS	Reader: 9.9 x 5.4 x 2.0 cm <sup>3</sup> / 3.9 x 2.1 x 0.8 in <sup>3</sup>
LENGTH OF USB CABLE	1.5 m / 4.9 ft
WEIGHT	57.0 g / 2.0 oz

**READING PERFORMANCE**

DEPENDS ON THE UHF RFID TAG

**READING RANGES**

READING RANGE	Up to 90.0 cm / 35.4 in
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**SAFETY & REGULATORY**

STANDARD COMPLIANCE	ISO 18000-6C/EPC C1G2
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**UTILITIES**

DL RFID SOFTWARE TOOL	RFID configurations tools are available for download
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**WARRANTY**

WARRANTY	1-Year Factory Warranty
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## ACCESSORIES

**Chargers**

• MBC-DLRBT001 3-Slot Charger