

# Manual

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## 125 kHz Wired RFID Reader

### **HD-RD30**

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## Specification:

- **Warranty:** 2 years
- **Material:** ABS
- **Reading Method:** Automatic
- **Read acknowledgement:** light and sound signal
- **Read Speed:** Up to 200 ms
- **Reading Distance:** 0.5–80mm
- **Time between readings:** 0.5 sec
- **Operating frequency:** 125 kHz
- **Power supply:** USB DC 5V
- **Interface:** USB
- **Cord length:** 140 cm
- **Device dimensions:** 105 x 68 x 10 mm
- **Package dimensions:** 125 x 85 x 38 mm
- **Device weight:** 140 g
- **Package weight:** 310 g
- **Operating temperature:** -10 to 70°C
- **Storage temperature:** -20 to 80°C
- **Operating Humidity:** 0 to 90%
- **Storage Humidity:** 0 to 90%
- **Output Format:** 10-character decimal
- **Chip Types Read:** EM4100, SMC4001, EM4200, EM4305, T5577

## Set contents:

- RFID reader,
- USB cable.

## Features:

- **Operating frequency:** 125 kHz
- **Reading Method:** Automatic
- **Read acknowledgement:** light and sound signal
- **Chip Types Read:** EM4100, SMC4001, EM4200, EM4305, T5577

## Usage:

The operation of the device is simple and intuitive, which makes its use convenient for both beginners and advanced users.

Below you will find step-by-step instructions on how to use the reader:

### 1. Connecting the device

- Use the included USB cable to connect the reader to a computer or other device with a compatible USB port.
- The reader will be automatically detected as an HID keyboard. There is no need to install additional drivers.

### 2. Preparing for reading

- Make sure the RFID tag you want to read is operating on a supported frequency (125 kHz).
- Bring the tag closer to the reader at a distance of up to 80 mm.

### 3. Reading process

- The reader will automatically read the data from the tag. Information about a successful reading will be transmitted by light and sound signals.

- The data is immediately transferred to the connected device and can be used in an app or system, e.g. for goods records or access control.

#### **4. Selection of the reading frequency**

- The device independently identifies the frequency of the tag used and adjusts the operating mode, which allows for smooth switching between reading 125 kHz tags (EM4100, SMC4001, EM4200, EM4305, T5577).

#### **5. Taking care of your device**

- Store the reader between -20°C and 80°C to ensure its long life.
- Avoid exposure to moisture above 90%, direct impacts, and contact with water.