

*EF02*

# Bluetooth Reader

——Product Introduction(Rev.A)



## 1. Product introduction and description

Table 1.1

Model Name	Function and description	Product Picture
EF02	<ul style="list-style-type: none"> <li>•2D bar code scanner ring type</li> <li>•Bluetooth HID, Bluetooth SPP, upload data offline</li> <li>•The Zebra SE2707 scan engine</li> <li>•Using OMRON B3F-5000 touch switch button</li> <li>•550mA battery capacity, long standby time over 30 days</li> <li>•The keys can be rotated 180 degrees, freely changing left and right hands</li> <li>•IP65 waterproof grade</li> <li>•1.5m drop test (200 times)</li> </ul>	 <p>Dimension: 55.0×39.2×51.2mm (L×W×H) Weight: 65g</p>
BFP1/2	<ul style="list-style-type: none"> <li>•FS02P scanner charging base</li> <li>•Can simultaneously charge the battery and the machine</li> <li>•Separate charging current is 350mA / h, the battery is full no more than 2 hours</li> <li>•Base may be used in series, serial number up to 5, the wiring can be reduced, saving space.</li> <li>•BFP1 as a Bluetooth adapter</li> </ul>	 <p>Dimension 72.0×56.0×40.3mm (L×W×H) Weight: 50g</p>
Graphic solution		

## 2. Using manual

### 2.1 On & Off

Turn on: At the push of a button, the green light will shinning once time, at the same time the buzzer will ring once, and the device will vibrate keep a short time(100ms), then the reader is started.

Turn off: After pressing the button for 6s, the green light is on, the buzzer sounds, the device vibrates keep for 0.6s, and the scanner shuts down. (Automatic shutdown after 20min standby)

### 2.2 Equipment working status indication

Table 2.1

LED light and buzzer status indication	Description
After scanning the barcode, the green light flashes once and the buzzer ring once.	Scanned barcode decoded successfully
Green light turns on and off every 1s	Alert battery low
Blue light flashes quickly	The device is in Bluetooth HID mode
Blue light flashes slowly	The device is in Bluetooth SPP mode
Blue light goes out after Bluetooth pairing	Bluetooth pairing succeeded
Red light is always on	The device is charging
The red light goes out during charging	Indicates that the device battery is fully charged

### 2.3 Button rotation (Left-right conversion)

Table 2.2

<b>Conversion method</b>	The lens facing upward, the direction of rotation indicated by the arrow.
	
Change from right to left: rotate right	Change from left to right: rotate left

## 2. 4 Battery disassembly

Table 2.3

<p><b>(1) Remove the battery</b></p>	<p>A. Push the push button to the left in the direction of the arrow</p>	<p>B. Keep the push button on the left and pull the battery cover up to open the battery cover and remove the battery.</p>
<p><b>(2) Install the battery</b></p>	<p>A. With the battery electrode facing down and into the battery slot, insert the two buckles on the battery cover into the holes on the top of the machine.</p>	<p>B. Keep the push button to the left, cover the battery cover, and press the battery cover firmly to push the push button back to the right.</p>

## 2.5 Charging and adapter function (optional )

Table 2.4

<p><b>① Battery charging slot</b></p> <p>With the electrode end facing down and the electrode facing inward, insert into the battery charging slot</p>	
<p><b>② Battery charging slot status indicator</b></p> <p>After the base is powered on, put the battery into the battery charging slot. The red light on the battery charging slot status indicator is on. When the battery is fully charged, the red light is off.</p>	
<p><b>③ Device charging slot status indicator</b></p> <p>After the base is powered on, the device's charging slot is placed in the device. The device's charging slot status indicator lights up red. When the battery is fully charged, the red light turns off.</p>	
<p><b>④ Device charging slot</b></p> <p>With the lens facing up, draw the rear metal connector into the device charging slot.</p>	
<p><b>⑤ Bluetooth MAC address of Bluetooth adapter</b></p> <p>Set the device to Bluetooth SPP mode, scan the Bluetooth MAC address bar code (either 1D or 2D), and the device and the adapter enter the pairing connection state.</p>	
<p><b>⑥ Bluetooth status indicator</b></p> <p>When the base can be used as a Bluetooth adapter, the Bluetooth status indicator flashes blue when Bluetooth is not connected; when the Bluetooth connection is successful, the blue light is always on.</p>	
<p><b>⑦ Data transmission indicator</b></p> <p>When the base can be used as a Bluetooth adapter and the data transmission is successful, the data transmission indicator shinning once time.</p>	

## FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

**Warning:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 or more 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.

## RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.