QUICK GUIDE

MS-B03 Wireless Barcode Scanner

I. Standard Package

1. a handheld scanner；
2. a wireless receiver；
3. a 5v AC/DC power adapter（use only for charging the battery);
4. a user manual.

II. Safety Cautions

Please read the following concise rules. Violation of these rules may result in hazard or infringement of the law. This guide contains more detailed information on safety alerts.

Power-on：Please do not turn on the device when wireless device is prohibited or its operation may cause interference or hazard.

Interference：Wireless devices are apt to be disturbed and adversely affect the performance.

Rational use：Use the device in the ways described in this guide only.

Maintenance：Only qualified service personnel can assemble or fix the device.

Attachments and Battery：Use only the authorized attachments and battery. Do not connect to inconsistent products.

Water-proofing：It is not a waterproof device. Please keep it dry.

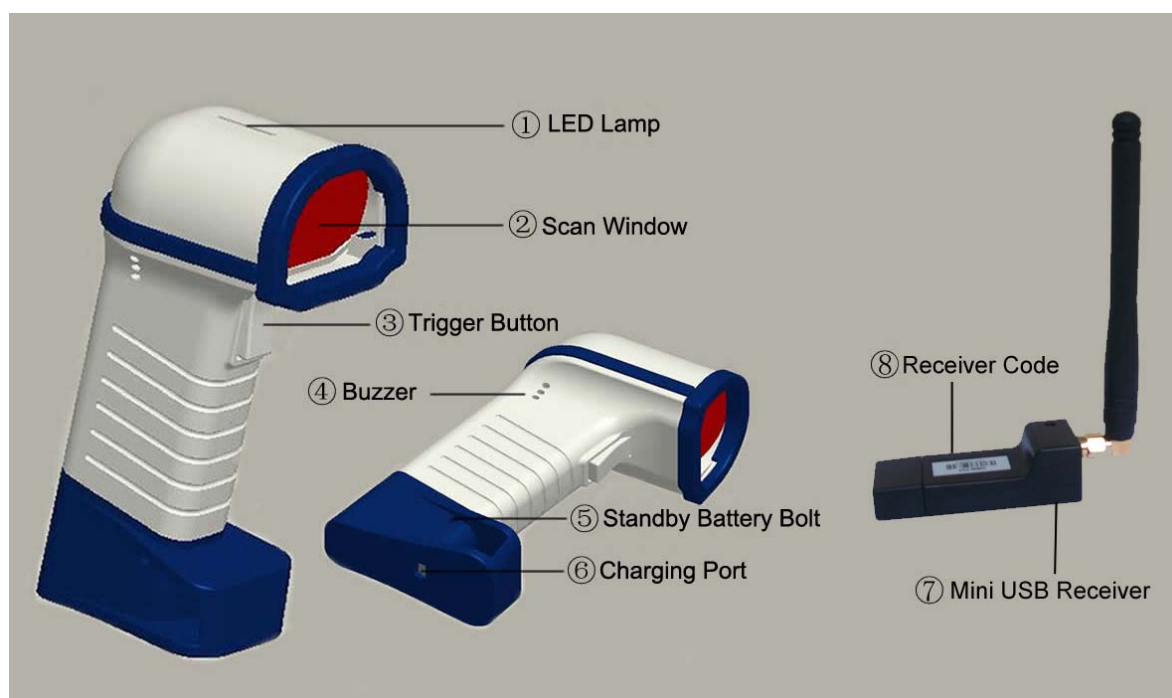Connection to devices：In need of connecting to other devices, please look through its manual or consult the manufacturer to get enough safety information. Do not connect to inconsistent devices.

III. Wireless Communication

Working frequency is the universal 2.400-2.483MHz ISM band. Each receiver corresponds to one handheld scanner. In open ground with absence of obstructions, the effective transmission distance between handheld scanner and receiver is 10 meters.

IV. Scanner Outside View:

① **LED Lamp**：
> In sleeping mode, the lamp is on and red;
> In working mode, the lamp flickers once for reading a barcode;
> The lamp is in green when the battery is on charge;

② **Scan Window**：
> Resin filter with dust and scratch-proof design;
> In working mode, one press on the trigger initiates a light beam.

③ **Trigger Button**：
> To power on the scanner, hold the trigger for 4 seconds and release when a beep tone sounds;
> When working, one press initiates one scan;
> To shut down the scanner, hold the trigger for 6 seconds and release when a beep tone sounds;
> Do not press the trigger button by force.

④ **Buzzer**：
> Hold the trigger button for 4 seconds and the buzzer makes a beep to indicate

the success of power-on;

When working, the buzzer makes a beep for each successful reading of a barcode;

A successful sending of a data record also activates a beep sound.

Hold the trigger button for 6 seconds and the buzzer makes a beep to indicate the success of shutting down;

⑤ **Standby Battery Bolt：**

Design for further fastening battery；

The scanner base itself can fasten the battery quite well, so the bolt is not mounted until necessary;

If the bolt is mounted，it must be unbolted when replacing a battery.

⑥ **Charging Port：**

Accepts the plug of the 5V AC/DC power adapter（use only for charging the battery）;

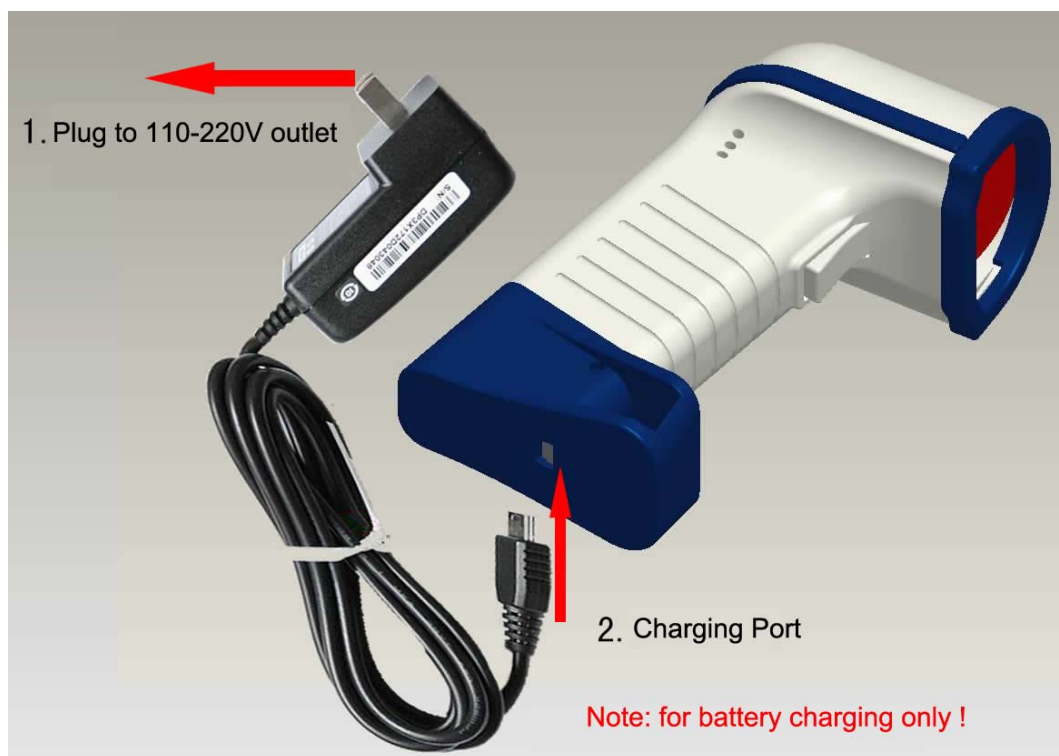Please use the manufacturer authorized power adapter for battery charging only, or it may cause damage.

⑦ **Mini USB Receiver**

Connect to the data terminal (eg. computer) directly or through an USB extension cable. It's recommended to use an extension cable for better reception and protection.

⑧ **Receiver Code**

Used to identify the bonding relationship between scanner and receiver.

V. Battery Charging

1. Plug to 110-220V outlet

2. Charging Port

Note: for battery charging only !

① The charging port on the handheld scanner can be only used for battery charging. Do not connect to other cables.

② The LED lamp on the scanner lights up green on charging and turns out when battery is full.

③ Charging time is approximately 4 hours.

VI. Operation Instructions

1. Connect the receiver to the data terminal (eg. Computer).
2. Turn on the scanner: press the trigger for 4 seconds and release when the buzzer makes a beep.

3. Read the "RESET" barcode to initialize the scanner.

RESET

4. Read the "RS232" barcode.

RS232

NOTES:

* If the scanner is not in use for 10 minutes, it will shutoff automatically.

* Scanner and receiver have been well paired. Unless necessary, please don't pair again.

In case there is a must to re-pair them, please scan first the "RS232" barcode, then within 5 seconds scan the "PAIR" barcode. The re-pairing is successful if two beeps sounded.

PAIR

VII. Trouble Shooting

① Problem： The scanner is humming or beeping.
   Cause：Battery is running low.
   Solution: Recharge the battery.

② Problem：The scanner squeals and emits no laser beam.
   Cause：The scanner is not connected to the data terminal (Computer) or is out of range.
   Solution：Please insert the receiver in the data terminal (Computer) or move nearer to the data terminal.

③ Problem：The scanner works normally but no data displays on the data terminal (computer).
   Cause：The interface setting is not correct.
   Solution: Please refer to V. Operation Instruction in this manual for a correct setting.

④ Question: Can the charging port be used to transfer data?
   Answer: No. It is only used for charging the battery

⑤ Question：May the radio signal disturb electrical household appliances (eg. TV)?
   Answer：In general, the wireless laser scanner use low-power signals below 10dbm and 433MHZ frequency and won't interfere with other radio signals.

APPENDIX

OPTION SETUP

UPC/EAN

EXPAND UPC-E TO UPC-A - ENABLE	EXPAND UPC-E TO UPC-A - DISABLE
EXPAND UPC-E TO EAN-13 - ENABLE	EXPAND UPC-E TO EAN-13 - DISABLE
CONVERT EAN-13 TO ISBN - ENABLE	CONVERT EAN-13 TO ISBN - DISABLE
UPC/EAN SUPPLEMENTS - DISABLE	UPC/EAN SUPPLEMENTS - 2 DIGIT ONLY
UPC/EAN SUPPLEMENTS - 5 DIGIT ONLY	UPC/EAN SUPPLEMENTS - 2 & 5 DIGIT
UPC/EAN REDUNDANCY - ENABLE	UPC/EAN REDUNDANCY - DISABLE

COMMON SETUP

STRIP 1 LEADING CHARACTER ON ALL BAR CODES THAT START WITH '12345'	OFF
STRIP 1 TRAILING CHARACTER	OFF
FILTER LEADING SPACES	OFF

FILTER TRAILING SPACES	OFF
FILTER ALL '_' CHARACTERS	DISABLE FILTER ALL '_' CHARACTERS
INSERT LEADING ZERO	DISABLE INSERT LEADING ZERO

TERMINATION STRING SETUP

TERMINATION CHAR - CR	TERMINATION CHAR - LF
TERMINATION CHAR - CR+LF	DISABLED
CODE128 TERMINATION CHAR - CR	CODE128 TERMINATION CHAR - LF
CODE128 TERMINATION CHAR - CR+LF	CODE128 TERMINATION CHAR - REMOVED
CODE39 TERMINATION CHAR - TAB	CODE39 TERMINATION CHAR - TAB- REMOVED
PREAMBLE - STX	POSTAMBLE - ETX