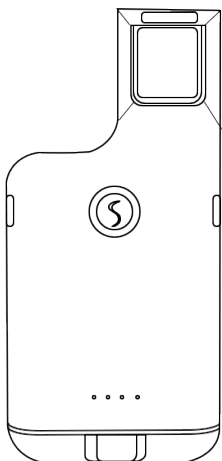


# Barcode Scanner

## User Guide



### Features

- ▶ Free switching between wired and Bluetooth dual modes
- ▶ Large capacity storage, safe and reliable.
- ▶ Stores barcodes more than 50000pcs off-line scanning.
- ▶ Unique power management system, ultra-long standby time.
- ▶ Rich symbologies supported
- ▶ Adopting imported trigger button, long lifespan, fitting perfectly in your hand for comfortable use.
- ▶ Support Android/iOS devices/Windows
- ▶ Support HID, SPP, BLE protocol
- ▶ Mini size, fashion design, and portable
- ▶ Ultra low power consumption and standby time setup available
- ▶ Bluetooth transmission distance: indoor transmission distance up to 15 meters.
- ▶ Can charge mobile phones & other devices through OTG cable & transfer data

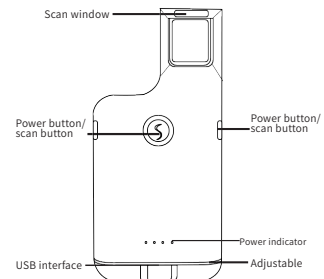
### Performance Parameters

Wireless protocol: bluetooth  
Memory: 16Mb  
Processor: ARM Cortex 32bits  
Bluetooth version: Bluetooth 5.0 Module  
Supported symbologies: 1D: Codabar, Code 11, Code 93, MSI, Code 128, UCC/EAN-128, Code 39, EAN-8, EAN-13, UPC-A, ISBN, Industrial 25, Interleaved 25, Standard 25, 2/5 Matrix, 2D: QR, Data Matrix, PDF417, Aztec, Hanxin, Micro PDF417 (optional)  
Indicator: Led, Buzzer, Vibrator (optional)  
Battery capacity: 1500mA  
Charging voltage/current: 5V/1A  
Endurance: 1D ≤ 36H 2D ≤ 24H (5 seconds/scan)  
Charge time: ≤ 4 hours  
Standby: > 30 days

### Working Conditions

Working Temperature: 32°F to 104°F / 0°C to 40°C  
Storage Temperature: -40°F to 140°F / -40°C to 80°C  
Humidity: 5% to 95% relative humidity (no condensation)  
Ruggedness: Resist about many times drops from 1.5m to concrete ground  
Ambient Light Immunity: Under normal office and factory ambient lighting conditions, or exposed to the sun won't take any effect to it.  
Electrostatic discharge: In line with 15KV air discharge and 8KV contact discharge requirements

### Appearance description



### LED Indicator

| Indicator Color                       | Description                                                    |
|---------------------------------------|----------------------------------------------------------------|
| Blue light flicker and extinct fastly | Read barcode successfully and make a short sound               |
| Red light-the charge lamp             | Red light on means Charging state, after full, it will be off. |
| Red light flashes                     | No battery detected while charging                             |

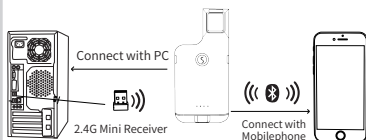
### Buzzer

| Buzzer Proformance                   | Introduction                              |
|--------------------------------------|-------------------------------------------|
| One/long beep low to high frequency  | Power on                                  |
| One/long beep high to low frequency  | Power off                                 |
| One/short beep low frequency         | Read a code under normal mode             |
| One/short beep low to high frequency | Read a code under storage mode            |
| One/short beep high to low frequency | Read a setting mode                       |
| Three/short beeps low frequency      | Transfer failure or storage space is full |

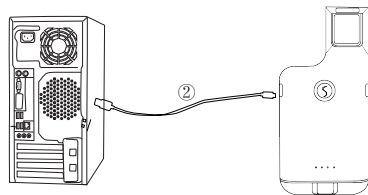
### Connections Introductions

A: When using 2.4G feature, you can match desktop PC or PC terminals that do not support Bluetooth. Scanner supports systems such as XP, Win7, Win8, Win10, etc.

B: When using Bluetooth, you can match Android, IOS mobile phones, or PC terminals with bluetooth capabilities.



C: Plug in the data cable with the USB end connected to the computer, you can charge the scanner and use it as a wired scanner synchronously



### Reset Configuration to Defaults

If you scan other set-up barcode by mistake and the scanner doesn't work as normal way, you can scan the initialization setup barcode to revert



### 2.4GHz Wireless Pairing Steps

How to connect with users device through 2.4GHz wireless?

Step1: Scanning following two setting codes one by one



Step2: Inserting wireless dongle into USB port of users' device. When you hear one beep, barcode scanner and users' device get connected through 2.4GHz wireless.

Note: when barcode scanner enters into pairing status, but it doesn't get paired with any device within 1 minute, it will exit from pairing status automatically. Users need to repeat step 1 & 2 to pair.

### Bluetooth Pairing STEPS

How to connect with users device through bluetooth?

Step1: Pressing scanning button for 8 seconds or scanning following setup code "HID Pairing Setup Barcode" until LED flashing.



Step2: Turning on the Bluetooth of user's device, and find "BarcodeScannerHID" device in the menu, click it. When you hear one beep, barcode scanner and user's device get connected through bluetooth

Note: when barcode scanner enters into pairing status, but it doesn't get paired with any bluetooth device within 1 minute, it will exit from pairing status automatically. Users need to repeat step 1 & 2 to pair.

### Standby Time Settings



Standby after 1 min



Standby after 5 mins



Standby after 10 mins



Standby after 30 mins



Never enter Standby



Standby Immediately

## Working Modes

**Normal Mode:**Transferring every data instantly after each scanning.Scanning following setup code into "Normal Mode"



Normal mode

**Storage Mode:**Storing data into barcode scanner first after each scanning. When the distance between barcode scanner and users device beyond bluetooth or 2.4GHz wireless transmission distance,storage mode is suggested.



Storage mode

Scanning follwoing setup code"Total stored data amount "to check the total amount of storing data



Total stored data amount

## Working Modes

Scanning following setup code"Upload Data"to upload data of barcodes you scanned under storage mode to your device.



Data Upload

Note:Please confirm that barcode scanner and users' device get connected through bluetooth,2.4GHz wireless or USB cable before uploading data.

Scanning following setup code"Clear Data"to clear empty the data stored in the barcode scanner



Clear Data

## End Character Settings

Choose the end character you need to add



Add CR



Add LF



Add CR+LF



Cancel CR+LF



Add TAB

## 2.4GHz Transmission speed settings

Select the corresponding delay time interval according to the receiving speed of the device.



Turn on 2.4G delay



Turn off 2.4G delay

Delay time interval setting:



5ms



10ms



20ms



30ms

## Bluetooth Transmission speed settings

Select the corresponding transmission speed according to the receiving speed of the device



Fast



Middle



Low



Super Low

## Language Settings



English



German



French



Spanish



Italian



Japanese

Only for PC American Keyboard output

## 2.4G Wireless COM-Port Mode Setting

Step1:Scanning setting code"COM-Port Mode"



COM-Port Mode

Step2:Scanning setting code"Enter Pairing Mode"



Enter Pairing Mode

Step3:Insert the 2.4G wireless receiver into USB port in your device.One beep show that scanner and receiver connected.And it will generate a COM port in your device.

Notes:When the scanner is entered 2.4G COM-Port Mode pairing status and it does not get connected with your device within 1 minutes,it will beep twice lowlyand longly. You need to repeat above-mentioned 3 steps to make it connectwith you device. (When the scanner is in the 2.4G COM-Port pairing status, double-click can make it exit the pairing mode).

Note: When entering a virtual serial port, the wired output is also a virtual serial port. (Some computers require drivers to be installed)

## Pull up and Hide IOS Keyboard



Pull up and Hide IOS Keyboard



Trigger twice to pull up iOS keyboard



Trigger twice to disable iOS keyboard

## Bluetooth protocol

Select the desired communication bluetooth protocol barcode



Bluetooth HID mode



Bluetooth SPP mode



Bluetooth BLE mode

Note: Scan above barcode to enter the bluetooth searching state

## Sound and Vibration Setting

Select the setup barcode you demand



Turn Off the Sound



Turn On the Sound



Turn Off the Vibration(Optional)



Turn On the Vibration(Optional)

## Capital and Lowcase Switch



Transfer to Lowcase Set



Transfer to Capital Set



Turn off Swith



Capital and Lowcase Switch

## Disclaimer

The company does not assume any responsibility for losses caused by natural disasters (such as earthquakes, floods, etc.) that exceed our ability to act.

The company is not responsible for any product liability associated with or arising from the application or use of any product, circuit, or other application described herein.About the system, equipment, machinery, materials, methods or processes that may be used in this product, or any combination with this product, the company does not express, imply, estoppel permission in any other means in connection with a patent or patent. The company only provides implied licenses for the equipment, circuits and subsystems included in its products.

The company does not assume anyresponsibility for the loss caused by improper use of communication hardware or software not specified.

The company does not assume any form of guarantee and technical support responsibility for third-party software used by.

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

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.

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

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