

# **Evnnvn Barcode Scanner User Manual**

**Mode: EV-010**



To reach Evnnvn Customer support. Please email us:

support @ evnnvn. com

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Email: support@evnvn. com

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In order to correctly use the barcode scanner, please read the instruction carefully and do not arbitrarily scan the settings code, otherwise, some settings may not be available temporarily.

Please keep this instruction for reference in the future.

If you have any question or concern about the operation of the scanner, please contact us at the following Email:

**support@ evnvn. com**

All our Evnvn brand product can offer a one-year warranty and lifelong tech support.

You are suggested to write down the model & the specific scenario and consult the maintenance person should you find the scanner abnormal.

# 1.Precautions

- 1.Please read the user manual carefully before using this barcode scanner.
- 2.The working voltage of this barcode scanner is 3.3V, charging voltage 5V. Please use our original USB cable and AC power adapter to ensure the scanner is working properly.
- 3.Copyright and Patent Notice Our company reserves the copyright, software copyright and sufficient patents of the barcode scanner and its accessories(including firmware, MR Configurator,illustration documents, appearance and so on. )
- 4.Our company reserves all rights reserves the right to make any changes to the product to improve its reliability, function or design.Our company shall not be liable for applications or use of any product or circuit with our scanner, or any liability arising therefrom or in connection with any other applications described herein.

## 2.Features&Technical Parameter

### Features:

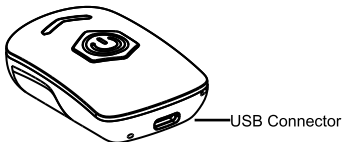
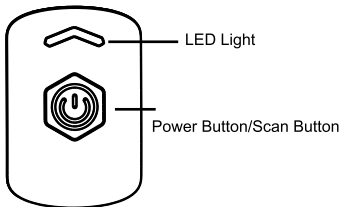
- 1.Super light only 32g/1.13oz weight, mini size compact design, portable to carry and use.
2. Wired and wireless dual-mode freely switching, 2.4G dongle wireless & Bluetooth wireless & USB wired three types of connection ways.
3. Support Windows XP, Win7, Win8, Win10 operating system PC, Android, IOS devices.
4. Lower electric consumption design, 450mAh rechargeable battery can use up to 8H continuous scanning time, only need 4H to charge. Standby time is up to 720Hours.
5. 16MB Large capacity storage, safe and reliable. Under off-line scanning mode can store UPC/EAN barcodes more than 100000pcs.
6. Long transmission distance.
7. The sound and vibration can be turned off.
8. Support Bluetooth HID protocol, SPP protocol and BLE protocol (Bluetooth Transmission Mode).
9. With rich symbologies supported, support hide/add custom prefix/suffix digits.
10. Support scan Codabar, Code11, Code93, MSI, Code 128, UPC/EAN, Code 39, EAN-8, EAN-13, UPC-A, UPC-E, ISBN, Industrial 2 of 5, Interleaved 2 of 5, Standard 2 of 5, Matrix 2 of 5, Data Matrix, QR Code, PDF417, Aztec Code etc most of 1D 2D code.

## Technical Parameter

A dual-mode scanner	wired and wireless, switch freely
Wireless transmission protocol	Bluetooth + 2.4G
Storage	16Mb
Decoding chip	ARM Cortex 32 bits
Bluetooth module	Bluetooth 4.1Module
Support barcode	Codabar, Code11, Code93, MSI, Code 128, UPC/EAN, Code 39, EAN-8, EAN-13, UPC-A, UPC-E, ISBN, Industrial 2 of 5, Interleaved 2 of 5, Standard 2 of 5, Matrix 2 of 5, Data Matrix, QR Code, PDF417, Aztec Code
Indicator	LED light, Buzzer, Vibration
Charging voltage /current	5V/1A
Time of Endurance	Continuously Work 8 Hours under Normal condition
Battery Capacity	450mAh
Printing Contrast	>25%
Scanning Angle	Pitch:±65° Roll: 0-360° Skew: ±60°
Standby time	>30 days
Working Temperature	32°F to 104°F/0°C to 40°C
Storage Temperature	-40°F to 140°F/-40°C to 60°C
Humidity	5% to 95% relative humidity (no condensation)
Ruggedness	Resist about 6 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
Electrical safety	In accordance with UL1950,CSA C22.2 No.950,EN60950/IEC950 EMI/RFI:FCC Part 15 Class B,European Union EMC Directive, Taiwan EMC
Environment Terms	In accordance with RoHS directive 2002/95/EEC

### 3.Shape Description





## 4. Battery & Charging

The scanner is powered by 450mAh chargeable battery. please ensure that the scanner has enough power before use.

During normal usage or start-up process, if the buzzer continuously makes five times long sound (low frequency) ,then automatically power off. It means the power capacity is too low and need to be charged before use

Insert one end of the USB cable into the bottom of the scanner and insert another end to computer USB interface or 5V DC USB interface power.

Charging indicator:

The Light Blue indicator light on the top of the scanner will light all the time during charging and it will go off when the scanner is fully charged.

Note:

Please use computer USB interface or special 5V DC power adapter for charging, the abnormal power will cause permanent damage to scanner and battery.

### Battery Remaining

To know how much electricity remains, put the cursor in the blank and then scan the flowing barcode.



## 5.Buzzer & Indicator Light State

### Buzzer

Sound Type	Description
a long sound(First low then high frequency)	Means power on
a short sound(Di sound)	Means power off
a short sound(low frequency)	Means read barcode
a short sound(First low then high frequency)	Means data has been send
a short sound(First high then low frequency for 1D)	Means scan the set-up barcode
a short sound(Di Di Di sound)	Means wireless transmission failed or cache is full

### LED Indicator light

light color	Description
Dark blue lights flicker	Bluetooth not online
Dark blue light continue on	pairing success
Light blue light always on	Charging state, after full, it will be off

## 6.FAQs & Troubleshooting

### ★ What should I do if I can not pair scanner with Bluetooth devices?

A.Please make sure that scanner is in the matching state under corresponding Bluetooth protocol

B.If the devices have connected successfully with other barcode scanners via bluetooth, or other devices. Please delete the Bluetooth connection record before connecting.

C.The wireless module has been damaged. please contact the seller, the email address is support@evnvn. com

### ★ Why do some symbologies fail to be read?

The scanning module does not support the symbology or the symbology has been turned off, please contact with the seller to turn on the code system.

### ★ Why scans fails to be uploaded to computer or smartphone ?

A.Please make sure if they have been successfully paired, if yes, the LED indicator of the bluetooth barcode scanner is blue.

B.Please check if it is in "Storage Mode". (In "Storage Mode" scans won't be uploaded automatically, please scan "Data Upload" setting code manually to upload the scan is required)

C.Please switch to "Normal Mode" to scan and upload simultaneously.

D.The wireless module has been damaged, please contact the seller, the email address is support@evnvn. com

★ **Why the barcode content is not correct ?**

Please make sure that the PC or smartphone keyboard language is the same as Barcode Scanner language.

★ **Why does the scanner cannot charge ?**

A.Please select correct charger.

B.The charging circuit or battery has been damaged.

★ **How to change more scanning settings?**

please contact the seller, the email address is [support@evnvn.com](mailto:support@evnvn.com)

## **7.Restore Factory Defaults Setting & Version Number**

During usage, if you scan other set-up barcodes by mistake and the scanning cannot perform as normal way, you can scan the “Restore Factory Defaults Setting” barcode to revert.



Restore Factory Defaults Setting

If you want to know the version of this barcode scanner, you can scan the “Version Information Display” barcode.



Version Information Display

## 8.Pairing Mode Setting

### Several methods of usage

A: When using 2.4G feature, you can match desktop PCs or PC terminals that do not support Bluetooth. Scanner supports systems such as XP, Win7, Win8, Win10,etc.(Please refer to the next page for specific pairing steps)

B:When using Bluetooth, you can match Android, IOS mobile phones,or PC terminals with Bluetooth capabilities.(Please refer to the next page for specific pairing steps)

C:Plug the USB cable to the computer, you can charge the scanner and use it as wired scanner synchronously

### Bluetooth Pairing Steps :

Pair with the operating system(Including Android, iOS, WIN system) that with Bluetooth function:

#### Method 1:

A: Turn on the barcode scanner and long press the scan button for 8-10 seconds to enter the Bluetooth search mode ,you will see the blue light flash, then it is ready to be connected to your iPhone.

B:Turn on Bluetooth in your device to detect Bluetooth device named with " EV-010 ". If pair successfully, you will hear a beep.

#### Method 2:

A: Turn on the barcode scanner and scan the "Bluetooth HID Pairing Mode" barcode to enter the Bluetooth search mode



Bluetooth HID Pairing Mode

B:Turn on Bluetooth in your device to detect Bluetooth device named with " EV-010 ". If pair successfully, you will hear a beep

## 2.4G Pairing Steps :

PC terminals ,like desktop computer, which is not equipped with Bluetooth, need to pair with USB Dongle, USB Dongle Pairing Steps as follow:

### **A: Scan USB Dongle Setup Barcode**



**B: Scan “Compulsory Pair with Dongle Setup Barcode” so that enter into pairing state.**



Compulsory Pair with Dongle Setup Barcode

**C: Plug the USB Dongle receiver to the computer, If pair successfully, you will hear a beep. The blue light on the top will always be bright**

## 9.Upload Mode Setting

### Normal Mode

In normal mode, the scans are uploaded directly to the computer via USB cable or wireless connection.

To set the scanner to upload barcode instantly, scan the following code.



Normal Mode

### Transmission Speed Setup

Select the corresponding transmission speed according to PC receiving speed.



Fast



slow



Medium



## Storage Mode:

If the transfer range is beyond Bluetooth or 2.4G wireless transfer range, storage mode is suggested, in which scans are stored in internal storage after being scanned

In storage mode, if a barcode is scanned, the scanned data are automatically stored in the scanner's internal storage.

★ To convert scanner from “Normal Mode to “Storage Mode”, scan the following barcode” Storage Mode”.



Storage Mode

★Upload the stored data by scanning the "Data Upload" barcode. After the data is uploaded, the barcode stored in the barcode scanner won't be automatically deleted. The user can upload the stored data multiple times by scanning "Data Upload" barcode.



Data Upload

Note: When uploading data, please ensure the wireless signal is perfect, or upload after connecting with USB cable,

★By scan “Total amount of stored barcode” barcode, to check the total amount of scanned barcodes in storage:



Total amount of stored barcode

★By scanning “Clear Data” to clear the scans in storage, the cleared scans won't be uploaded once cleared. Please confirm whether the scans have been uploaded before clear them.



Clear Data

## 10.IOS Pull up and Hid Keyboard

### Method 1:

★if you need pull up the IOS keyboard, you can double click the scan button.

★if you need hid IOS keyboard, you can double click the scan button too.

### Method 2:

★if you want pull up and hid IOS keyboard, you can also scan the barcode as followings:



Pull up and Hide IOS Keyboard

## 11.Language Setting



Sweden



German



Japanese



Spanish



French



USA



Italian

## 12.Communication Mode Switching

Select the Bluetooth protocol you demand



Bluetooth BLE Mode



Bluetooth HID Mode



Bluetooth SPP Mode

Note: Scan above barcode to enter the Bluetooth searching state

## 13.Beep & Vibration Setting

Scan one of the following barcode to select the decoding beep & Vibration mode



Turn off the sound



Medium volume



Turn on the sound



Low volume



High volume



vibration on (optional)



vibration off(optional)

## 14.Identity Barcode Type

1D: Codabar, Code11, Code93, MSI, Code 128, UPC/EAN, Code 39, EAN-8, EAN-13, UPC-A, UPC-E, ISBN, Industrial 2 of 5, Interleaved 2 of 5, Standard 2 of 5, Matrix 2 of 5,

2D: Data Matrix, QR Code, PDF417, Aztec Code etc

**Most of the barcode is on, so if you can't scan some barcode, you can contact us. We will teach you how to turn on this barcode.**

### Bookland EAN



Able



Disable

### UPC/EAN Additional Code



Disable



Able

## Matrix 2 of 5



Able



Disable

## Industrial 2 of 5



Able



Disable

## Code 39 Full ASCII



Able



Disable

## Code 93



Able



Disable

## Code 11



Able



Disable

## Codabar



Able



Disable



## MSI



Able



Disable

## GS1-DATABAR



Able



Disable

## Aztec code



Able



Disable

## Maxi code



Able



Disable

## 15.Sleep Time Setting



Never Sleep



Sleep Now



Standby after 30s



Standby after 2min



Standby after 5min



Standby after 10min



Standby after 30min

## 16. Bluetooth Name Change Setting

A.If User want to change the Bluetooth name , It can make a barcode and scan this barcode to change name, the barcode type is code128, data is ^&C0C&^NAME , such as Bluetooth name is BLE\_SCANNER, you can make a barcode as below.



**If you want to change the Bluetooth Name, you can contact us to help you change it.**

Note: if you reset the configuration to default, the Bluetooth name would revert to default



## 17.End Character Setting



None



Add Enter



Add Line



Add Tab



Add Enter+CR

## 18.Capital & Lowercase



Don't Convert



All Lowercase



All Capital



Case Inversion

## 19. Hide front and back characters

Scan "Hide front character" or "Hide back character" Setting Barcode



Hide 1 front character



Hide 5 front characters



Hide 2 front characters



Hide 6 front characters



Hide 3 front character



Hide 7 front character



Hide 4 front characters



Hide 8 front characters

How to hide the character: For example, if you want to hide the front 2 character, you can scan "Hide 2 front characters" barcode

## 19.Hide front and back characters

Scan "Hide front character" or "Hide back character" Setting Barcode



Hide 1 back character



Hide 5 back characters



Hide 2 back characters



Hide 6 back characters



Hide 3 back character



Hide 7 back character



Hide 4 back characters



Hide 8 back characters

## 20.Set Prefix and Suffix

A: Scan the "Add Prefix " or "Add Suffix "setting barcode



Add Prefix



Add Suffix

B: Confirm where you need to add the prefix or suffix to the barcode, and then scan the corresponding number setting code



0



5



1



6



2



7



## 21.Data code Table



3



8



4



9

C: Scan the prefix or suffix you need to add from the ASCII Table (turn to page 31)

D: scan the "save and exit" setting barcode to save and exit the setting



save and exit

## 22. ASCII TABLE



SOH



STX



EXT



EOT



ENQ



ACK



BEL



BS



HT



LF



VT



FF



CR



SO



SI

## 22. ASCII TABLE



DLE



DC1



DC2



DC3



DC4



NAK



SYN



ETB



CAN



EM



SUB



ESC



FS



GS



RS

## 22. ASCII TABLE



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## 22. ASCII TABLE



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x

## 22. ASCII TABLE



y



z



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DEL



Caps Lock



F1



F2



F3



F4



F5



F6



F7



F8



F9



F10

## 22. ASCII TABLE



F11



F12



PrintScreen



Home



Pageup



Delete



Page down



END



Rightarrow



leftarrow



downarrow



uparrow

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.

Any 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.

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