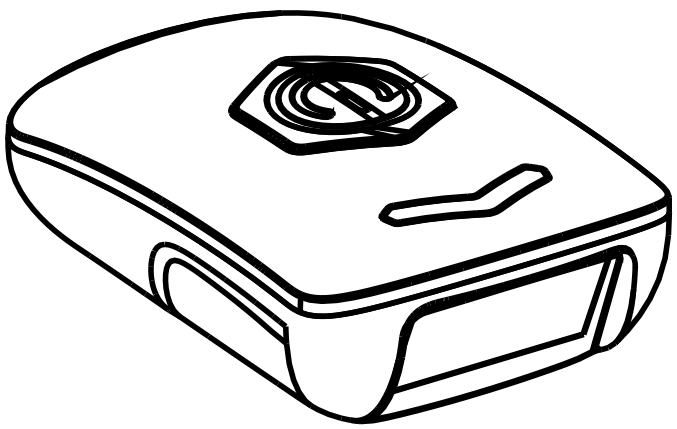
Evnvn Barcode Scanner

User Manual

Mode: EV-010



To reach Evnvn Customer support. Please email us:

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:

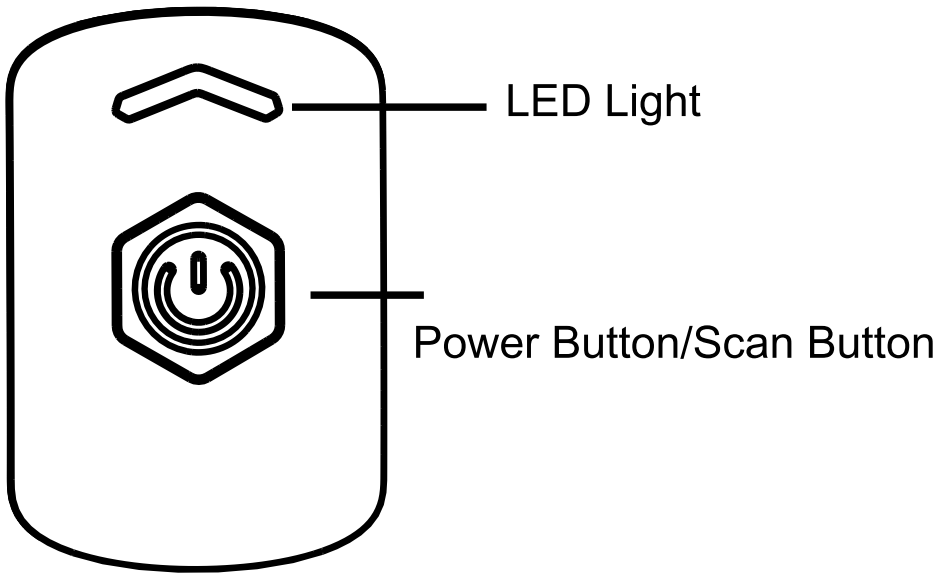
1.Super light only 32g/1.13oz weight, mini size compact design, portable to carry and use.
2. Wired and wireless dual-mode freely switching, 2.4G dongle wireless & Bluetooth wireless & USB wired three types of connection ways.
3. Support Windows XP, Win7, Win8, Win10 operating system PC, Android, IOS 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.

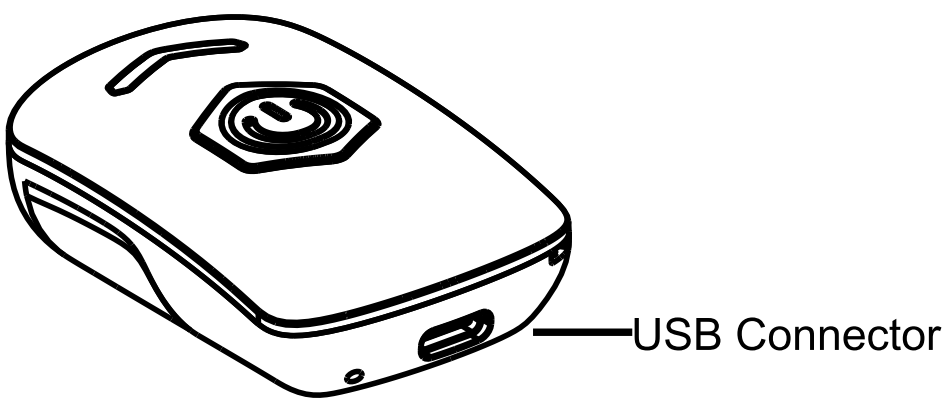
Technical Parameter

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

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

Medium

slow

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 protocal 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

Turn on the sound

High volume

vibration on (optional)

Medium volume

Low volume

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 corrensponding 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

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CAN

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SUB

ESC

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RS

22. ASCII TABLE

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22. ASCII TABLE

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22. ASCII TABLE

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22. ASCII TABLE

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22. ASCII TABLE

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22. ASCII TABLE

y

z

~

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 u sed in portable exposure condition without restriction