

# Eyoyo Barcode Scanner

User Manual

Model: EY-017



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## Precautions

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.

Congratulations and Thank You for choosing the Eyoyo® Barcode Scanner. If you have any problems with our products, please contact us at **support@eyoyousa.com**

Register now your product to ensure full warranty coverage. Send an email with your email address, date of purchase, website of purchase and order number to **support@eyoyousa.com**

All our Eyoyo 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.

## Features&Technical Parameter

### Features

The eyoyo barcode scanner innovative Bluetooth technology and user-friendly design allows to Sync upload the data to your phone. It can perfectly work on your phone. It can easily capture the 1D 2D barcodes in the market easily Application

◆ Supermarket	◆ Warehouse
◆ Mobile payment	◆ Retail chain
◆ Courier	◆ Health care

## Technical Parameter

Scan Type	CMOS
CPU	32-bit
Resolution	648*488
Scan angle	66 ° horizontally and 50 ° vertically
Print Contrast Signal	≥25%
Wireless communication mode	Synchronization , storage
Battery capacity	1600 mAh
Battery charging time	About 1.5 hours
Continuous working time	≥5 hours
Symbologies	1D: Codabar、Code39、Code32、Interleaved 2 of 5 (ITF25) 、Industrial 2 of 5、Matrix 2 of 5 、Code93、Code11、Code128、Gs1-128、UPC-A、UPC-E、EAN/JAN-8、EAN/JAN-13、ISBN、ISSN、GS1 databar、GS1 databar limited、GS1 databar expanded、ISBT 2D: PDF417、Micro PDF417、QR Code、Micro QR、Data Matrix、Aztec
Weight	≈100g (without cable)
Communication Mode	Bluetooth BLE, SPP, HID
Interface Type	USB
Operating temperature	-10 C to 50 C
Storage temperature	-20 C to 60 C
Humidity	5% to 95% (non-condensing)
Drop Height	1.2m

## Battery & Charging

The scanner is powered by 1600mAh rechargeable battery. please ensure that the scanner has enough power before use.

### Low Battery Indication:

If the scanner beeps continuously, it indicates that the power is less than 5%. Please stop scanning and charge the scanner as soon as possible.

### Charging:

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

### Charging indicator:

The red indicator light on the right side of the scanner will turn on 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.



★Electric quantity display

## FAQS & Troubleshooting

### FAQS

Q1. If i scan a product barcode, will it include the name of the product in the file automatically?

Answer:

It can't support.The scanner works like a keyboard. The scanner does not interpret what the barcode is, it just "types" out a string of alphabet numeric characters that the barcode represents.

it's up to the database software you are using to interpret what that string of characters means. Once you acquire the barcodes, you have to correlate them to something more meaningful by either purchasing a software service that will interpret the barcode and relate it to a product, or you can use your own internal inventory system to assign the barcodes to specific products.

After creating the relationship between your barcode and the corresponded information, when you enter the barcode into the software by the scanner, your software will look up the barcode and then output the related information of your product.

Q2. Why does the scanner not read the barcode exactly? When I use the scanner to read a barcode of an item, I get a different result from the barcode itself.

Answer: Please contact the seller, attached the sample of barcode and operate video, the email address is support@eyoyousa.com.

Q3.Some barcodes can not be read, why?

Answer:

A. Incomplete and unclear barcodes might not be read.

B. It is possible that the setting is off by default for some barcode types which are not commonly used. You need to activate a specific barcode type to get it working. Please find the set code on user manual.

Please feel free to contact our Customer Service Team for further assistance if you don't know the exact type of barcode that you are referring to.

Q4.Are there any barcodes to remove auto-enter after every scanning?

Answer:

To remove the auto-enter, scan these codes “None”on page 11.

Q5. How to add Tab?

Answer:

To add Tab after every scanning, scan the code “Add Tab” on page 11.

## Troubleshooting

Problem	Possible Reason	Solution
Pull the trigger, the scanner has no reaction. the red scanning light does not show up.	The battery run out.	Charge the scanner at least 1-2 hours.
	The head of scanner is out of condition.	Contact support @eyoyousa.com To help you solve the problem
The scanner can not hold the charge.	The PC's USB port is out of condition	Connect the scanner to another USB port for charging.
	The USB cable is out of condition.	Contact support @eyoyousa.com To help you solve the problem

## 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 “Reset Configuration to Defaults” barcode to revert.



Reset Configuration to Defaults

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



Version Information

## Pairing Mode Setting

### Bluetooth Pairing Steps:

Pair with operating system (Including Android、ios、win system) that with Bluetooth function :

Method 1:

A: Start the scanner and it will auto enter the Bluetooth search mode.The blue light on the left will be flash quickly.

B: Turn on Bluetooth in your device to detect Bluetooth device named with "EY-017". If pair successfully, you will hear a beep. The blue light on the left will be always on.



## Upload Mode Setting

### Normal Mode

In normal mode, the scans are uploaded directly to the computer via USB cable or wireless connection. If succeeds, barcode scanner will make a low-frequency short tone. If it fails, there will be three low-frequency short tones to alarm. In normal mode, if fails, the data will be lost.

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



Low



Very Low

### 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 scanner will make a short tone and the scanned data are automatically stored in the scanner's internal storage.

If the internal storage is full, the scanner will emit three low-frequency short tones to alarm.

★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

## 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 or hid IOS keyboard

## Keyboard Language Setting

Different national languages correspond to the keyboard keys arrangement, symbols, etc. are different, the barcode scanner can be virtual according to the actual needs of different countries keyboard.



English



Germany



French



Spanish



Italian



Japanese

## Communication Mode Switching

Select the Bluetooth protocol you demand



Bluetooth HID Mode



Bluetooth SPP Mode



Bluetooth BLE Mode

Note: Scan above barcode to enter the Bluetooth searching state

## Beep Setting

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



turn off the sound



Low volume



Middle volume



High volume



turn on the sound

## Sleep Time Setting



30s Automatic power off



2mins Automatic power off



5mins Automatic power off



30mins Automatic power off



Never Sleep



Power Off Immediately

## End Character Setting

The end character is used to mark the end of a complete data message. The suffix of end character must be the last content of a data transmit, then there will be no additional data.

By default, the scanner is sending a 'carriage return' after scanning a code (the same as pressing the 'enter' key) .



Add CR\*



Add CR+LF



Add LF



Add TAB



None

## Character Conversion

By setting the character conversion function of the barcode scanner, the upper case and lower case conversions of the English letters of the barcode output data can be performed.

For example, if the content of the barcode is aBC123, set the barcode to "all in lower case" and the data obtained by the host will be "abc123". The default is Normal output.



All in lowercase



All in upper case



Case interchange



Normal (No Change)

## Scanning Mode Setting

The user can set the reading mode of the barcode reader according to the needs. The default state is the "Manual Trigger Mode "

### Manual Trigger mode :

In this Manual Trigger Mode , the barcode reader starts reading after pressing the trigger button, and the barcode reader stops reading after successfully reading or unlocking the trigger button.

\*\*\* Scan the following code to set the scanner to manual Trigger mode.



manual Trigger mode

### Continues scanning mode off :

\*\*\* Scan the following code to set the scanner to Continues scanning mode.



Continues scanning mode

## Bar Code Parameter Settings

Each type of barcode has its own unique properties,Through the setting code of this chapter, you can adjust the barcode reader to adapt to these property changes.The fewer types of barcodes that are enabled to enable reading, the faster the barcode reads. You can disable barcode scanners from reading barcode types that will not be used, to improve the performance of the barcode scanner.

### UPC-A



Enable UPC-A\*



Disable UPC-A

### UPCA Check Digit



Enable Check Digit\*



Disable Check Digit

### UPCA to EAN 13



Enable UPCA to EAN 13



Disable UPCA to EAN 13\*

### UPC-E



Enable UPC-E\*



Disable UPC-E

### UPCE Check Digit



Enable Check Digit\*



Disable UPCE to UPCA\*

### UPCE To UPCA



Enable UPCE to UPCA



Disable UPCE to UPCA\*

### EAN/JAN-8



Enable EAN/JAN-8\*



Disable EAN/JAN -8

### EAN/JAN -13



Enable EAN/JAN -13\*



Disable EAN/JAN -13

### Code 128



Enable Code 128\*



Disable Code 128



### Code 39



Enable Code 39\*



Disable Code 39

### Code 39 Length setting:



Code 39 minimum  
length (0~50 bits)



Code 39 maximum  
length (0~50 bits)

### Code 39 Full ASCII



Enable Code 39 Full ASCII



Disable Code 39 Full ASCII \*

### Code 93



Enable Code 93\*



Disable Code 93

### Code 11



Enable Code 11



Disable Code 11\*

### Interleaved 2 of 5 (ITF25)



Enable Interleaved 2 of 5\*



Disable Interleaved 2 of 5

### Interleaved 2 of 5 length limited setting



Interleaved 2 of 5  
minimum length (0~50 bits)



Interleaved 2 of 5  
maximum length (0~50 bits)

### Industrial 2 of 5



Enable Industrial 2 of 5



Disable Industrial 2 of 5\*

### Industrial 2 of 5 length limited setting



Industrial 2 of 5  
minimum length (0~50 bits)



Industrial 2 of 5  
maximum length (0~50 bits)

### Matrix 2 of 5 (4-24 bits)



Enable Matrix 2 of 5



Disable Matrix 2 of 5

### Matrix 2 of 5 length limited setting



Matrix 2 of 5  
minimum length (0~50 bits)



Matrix 2 of 5  
maximum length (0~50 bits)

### Codabar



Enable Codabar



Disable Codabar\*

### GS1 DataBar (RSS14)



Enable GS1 DataBar



Disable GS1 DataBar

### GS1 DataBar Limited



Enable GS1 DataBar Limited



Disable GS1 DataBar Limited

### GS1 DataBar Expanded



Enable GS1 DataBar Expanded



Disable GS1 DataBar Expanded

### QR Code



Enable QR



Disable QR

### Data Matrix



Enable Data Matrix



Disable Data Matrix

### PDF417



Enable PDF417



Disable PDF417

### Micro PDF417



Enable Micro PDF417



Disable Micro PDF417

### Aztec Code



Enable Aztec



Disable Aztec

## Hide front and back characters

The scanner permits 4 bytes at most to be Hidden at the beginning or the end of the scanned barcode.

If the Hidden character length exceeds the barcode data, the entire content of the scanned barcode is deleted.

### Hide Front Characters



Hide Front 1 bits



Hide Front 2 bits



Cancel Hide Front Characters



Hide Front 3 bits



Hide Front 4 bits

### Hide Back Characters



Hide Back 1 bits



Hide Back 2 bits



Cancel Hide Back Characters



Hide Back 3 bits



Hide Back 4 bits

## Add prefix and suffix

The scanner permit 32 bytes at most to be add at the beginning or the end of the scanned barcode.

### Step 1:

Select the appropriate bar code to scan according to the requirements, and set the prefix and suffix to add.



Add Prefix



Add Suffix

### Step 2:















Scan the code corresponding to the value in the Appendix A















### Step 3: Save and Exit

















Save and exit















# Appendix A















SOH		BEL	
^B		Back Space	
^C		Tab	
^C		LF	
EOT		VT	
ENQ		FF	
ACK		CR	















F1		F8	
F2		F9	
F3		F10	
F4		F11	
F5		F12	
F6		SUB	
F7		Esc	































Right Arrow		#	
Left Arrow		\$	
Up Arrow		&	
Down Arrow		,	
空格		(	
!		)	
"		*	
















+		2	
,		3	
-		4	
.		5	
/		6	
0		7	
1		8	

9		@	
:		A	
;		B	
<		C	
=		D	
>		E	
?		F	

G		N	
H		O	
I		P	
J		Q	
K		R	
L		S	
M		T	

U		\	
V		]	
W		^	
X		_	
Y		`	
Z		a	
[		b	

c		j	
d		k	
e		l	
f		m	
g		n	
h		o	
i		p	

q		x	
r		y	
s		z	
t		{	
u			
v		}	
w		~	
%		DEL	