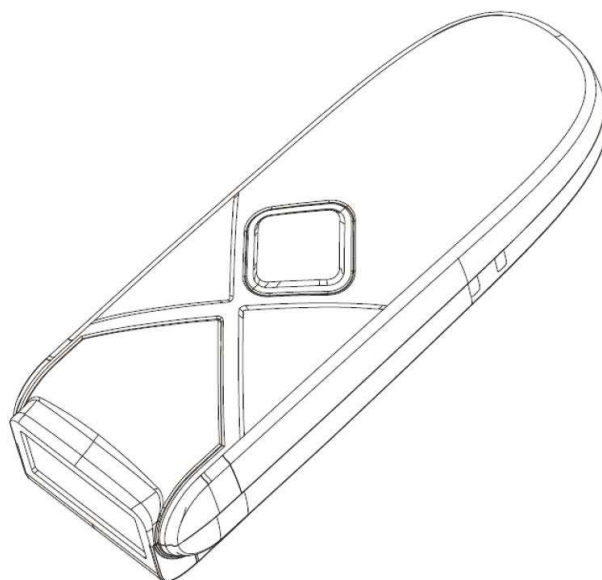


EYOYO Barcode Scanner User Manual

Mode:EY-015



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2D Wireless Barcode Scanner

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:

<http://www.eyoyousa.com>
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.

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:

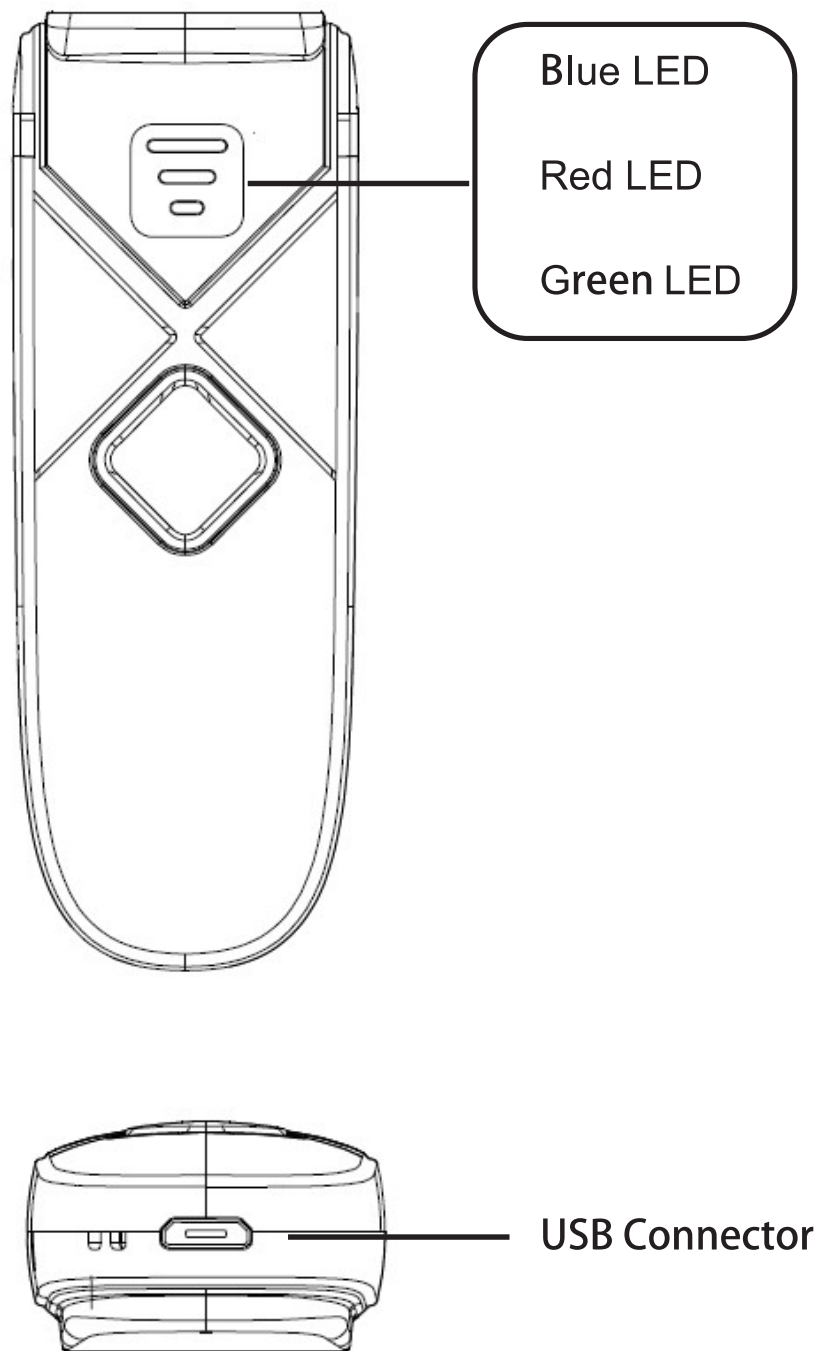
- ★ Wired and wireless dual mode freely switching.
- ★ One-click matching with various PCs
- ★ Outdoor 30 meters visual transmission distance (Bluetooth transmission mode).
- ★ Large capacity storage, safe and reliable.
- ★ In storage mode stores barcodes more than 50,000pcs.
- ★ Support normal mode, storage mode and switch freely.
- ★ Support Windows XP、 Win7、 Win8、 Win10、 operating system PC& Android devices and iOS devices.
- ★ Support Bluetooth HID protocol, SPP protocol and BLE protocol (Bluetooth Transmission Mode).
- ★ Unit power management system, ultra-long standby time.
- ★ Rich symbologies supported.
- ★ Adopting imported trigger button, long life, fitting perfectly in your
- ★ Hand for comfortable use.

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,UCC/EAN-128, Code 39,EAN-8,EAN-13, UPCA,ISBN,Industrial25, Interleaved 25, Standard 25,2/5 Matrix all 2D
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

Appearance Introduction



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 red 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.

5. Buzzer & Indicator Light State

Buzzer

Sound Type	Description
two sound(Di Di sound)	Means power on
two sound(long to short)	Means power off
a short sound(Di sound)	Means read barcode
a short sound(Di sound)	Means data has been send
a short sound(long di di di)	Means scan the set-up barcode
a short sound(Di Di Di sound)	Means wireless transmission failed or cache is full

LED Indicator light

lightcolor	Description
blue light flash slow	Bluetooth not online
red light on	The scanner is power on
blue light continue on	pairing success
green light continue on	Charging state, after full, it will be off
green light off when recharging	The charge is full
green light flash one time	Read barcode successfully and make a short sound

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@eyoyousa.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@eyoyousa.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 ?

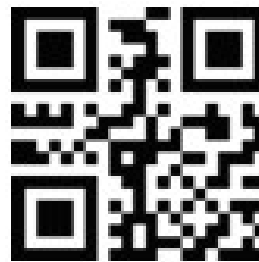
- A. Please select correct charger.
- B. The charging circuit or battery has been damaged.

★ How to change more scanning settings?

please contact the seller, the email address is support@eyoyousa.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 barcode to revert. Initialization setting, scan below two barcodes, from left to right



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

Bluetooth Pairing Steps :

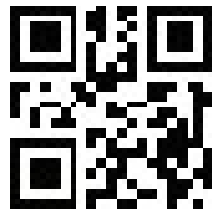
Pair with operating system(Including Andro ios、 win system)
that with Bluetooth function:

Method 1:

- A: Start the scanner and long press for 8 seconds to enter the Bluetooth search mode
- B: Turn on Bluetooth in your device to detect Bluetooth device named with "Barcode Scanner HID". If pair successfully, you will hear a beep. Note: When the scanner enters the state of matching and it does not pair with Bluetooth successfully within 1 minute, there is 2 times long low sound indicated failing match and return to scanning mode.(Or trigger twice to exit match mode and revert to scanning state)

Method 2:

- A: Start the scanner and scan the "Bluetooth pairing setup barcode" to enter the Bluetooth search mode



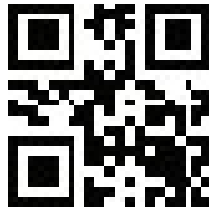
Bluetooth HID Pairing Mode

- B: Turn on Bluetooth in your device to detect Bluetooth device named with "Barcode Scanner HID". If pair successfully, you will hear a beep. Note: When the scanner enters the state of matching and it does not pair with Bluetooth successfully within 1 minute, there is 2 times long low sound indicated failing match and return to scanning mode.(Or trigger twice to exit match mode and revert to scanning state)

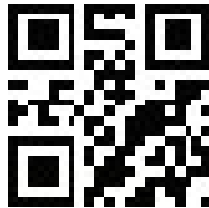
2.4G Pairing Steps :

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

A: Scan Dongle Setup Barcode



B: Scan“Compulsory Pair with Dongle Setup Barcode” so that enter into pairing state. The blue light on the left flickers quickly.



Compulsory Pair with Dongle Setup Barcode

C: Plug the receiver, If pair successfully, you will hear a beep.
The blue light on the right will always be bright

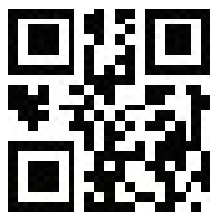
Note: When the scanner enters the state of matching and it does not detect the receiver successfully within 1 minute, there is 2 times long low sound indicated failing match and return to scanning mode.(Or trigger twice to exit match mode and revert to scanning state)

9.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.



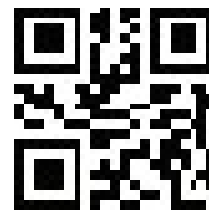
Normal Mode

Transmission Speed Setup

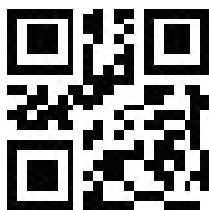
Select the corresponding transmission speed according to PC receiving speed.



Fast



Medium



slow

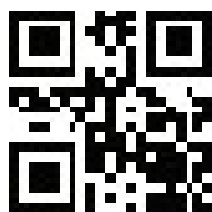
Storage Mode:

If the transfer range is beyond Bluetooth 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.

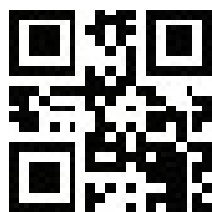
If the internal storage is full, the scanner will emit three low-frequency short tones to alarm.

- ★ 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.

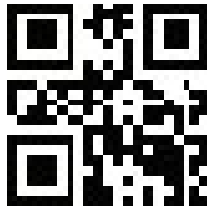


Data Upload

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

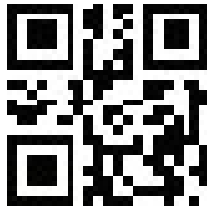
2D Wireless Barcode Scanner

★ 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

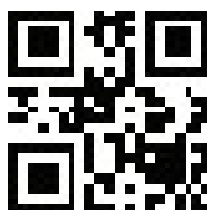
10.IOS Pull up and Hid Keyboard

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.

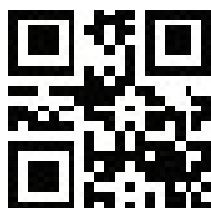
Method 2:

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

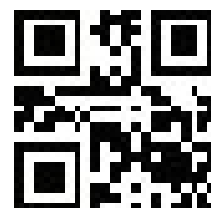


Pull up and Hide IOS Keyboard

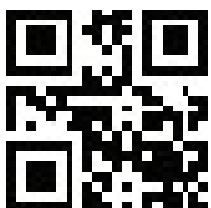
11.Language Setting



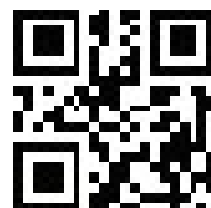
English



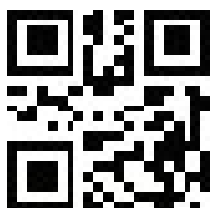
German



French



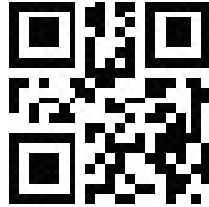
USA



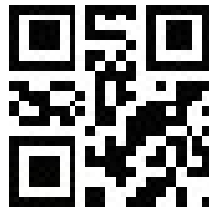
Italian

12.Communication Mode Switching

Select the Bluetooth protocol you demand



Bluetooth HID Mode



Bluetooth SPP Mode

Note: Scan above barcode to enter the Bluetooth searching state

13.Beep & Vibration Setting

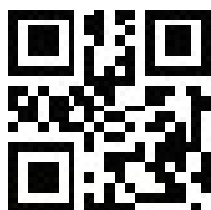
Scan one of the following barcode to select the decoding beep & Vibration mode



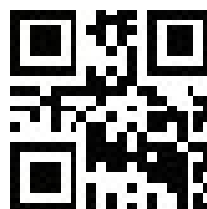
turn off the sound



turn on the sound



vibration off(optional)



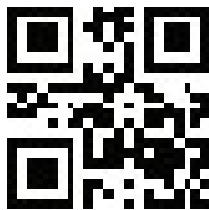
vibration on (optional)

14.Identity Barcode Type

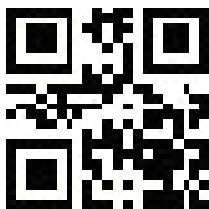
1D: EAN-8; EAN-13; Codabar; Code11; Code39; Code93; Code128;
UPC-A; Interleaved 2 of 5; MSI, Plessey
OFF: Industrial 2 of 5; Matrix 2 of 5; Standard 2 of 5, GS1
2D: All 2D barcodes

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.

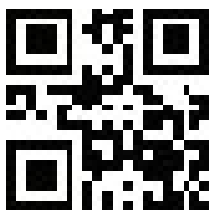
15.Sleep Time Setting



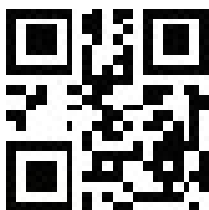
Standby after 2 mins



Standby after 5 mins



Standby after 10 mins



Standby after 30 mins

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_HID , you can make a barcode as below.



17. End Character Setting



None



Add CR



Add CR+LF

18.Capital & Lowercase



Don't Convert



All Lowercase



All Capital

19.Hide front and back characters

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



Enable Hide front characters



hide front number



Enable Hide back characters



hide back number

How to hide the character: For example, if you want to hide the front 2 character, you can scan " Enable Hide front characters" to enable this function, and scan "hide front number" barcode, then scan the appendix A number barcode "0" "2". and 2 characters of front is be hidden.

20.Set Prefix and Suffix

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



Add Prefix



Add Suffix

How to Add prefix, If you want to Add prefix %, first you look-up appendix B,find the % keyword is 1037, so , you can scan the "Add prefix", scan appendix A barcode number",and scan the output format barcode.

B: output format barcode



Prefix+Data



Data+suffix



Prefix+Data+suffix



Data

21.Appendix A



0



5



1



6



2



7



3



8



4



9



Cancel

22.Appendix B

1000	Null
1001	Keypad Enter
1002	Caps lock
1003	RightArrow
1004	Up Arrow
1005	Null
1006	Null
1007	Enter
1008	Left Arrow
1009	Horizontal Tab
1010	Down Arrow
1011	Vertical Tab
1012	Backspace
1013	Enter
1014	Insert
1015	Esc

1016	F11
1017	Home
1018	Print Screen
1019	Delete
1020	tab+shift
1021	F12
1022	F1
1023	F2
1024	F3
1025	F4
1026	F5
1027	F6
1028	F7
1029	F8
1030	F9
1031	F10

1032	Space
1033	/A
1034	/B
1035	/C
1036	/D
1037	/E
1038	/F
1039	/G
1040	/H
1041	/I
1042	/J
1043	/K
1044	/L
1045	-
1046	.
1047	/

1048	0
1049	1
1050	2
1051	3
1052	4
1053	5
1054	6
1055	7
1056	8
1057	9
1058	/Z
1059	%F
1060	%G
1061	%H
1062	%I
1063	?

1064	@
1065	A
1066	B
1067	C
1068	D
1069	E
1070	F
1071	G
1072	H
1073	I
1074	J
1075	K
1076	L
1077	M
1078	N
1079	O

1080	P
1081	Q
1082	R
1083	S
1084	T
1085	U
1086	V
1087	W
1088	X
1089	Y
1090	Z
1091	[
1092	\
1093]
1094	^
1095	_

1096	,
1097	a
1098	b
1099	c
1100	d
1101	e
1102	f
1103	g
1104	h
1105	i
1106	j
1107	k
1108	l
1109	m
1110	n
1111	o

1112	p
1113	q
1114	r
1115	s
1116	t
1117	u
1118	v
1119	w
1120	x
1121	y
1122	z
1123	{
1124	
1125	}
1126	~
1127	Undefined