

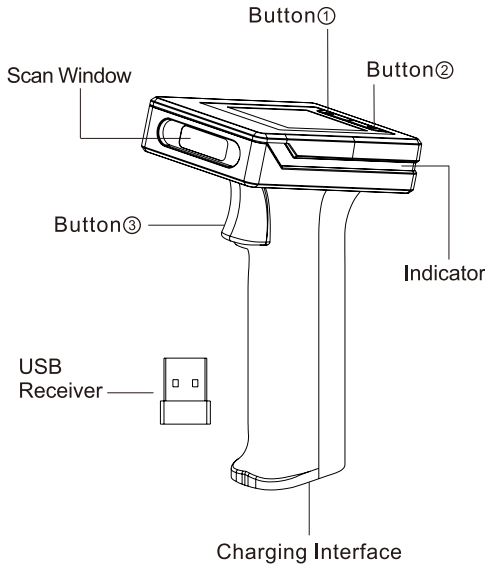
2D Wireless Barcode Scanner with Screen User Manual



Version

I. Structure Chart

- 1) Button ①: Up; Button ②: Down; Button ③: Confirm key / scan key;
- 2) Enter/exit settings: Press and hold the two buttons at the bottom of the screen for 2 seconds to enter or exit settings;
- 3) After entering the settings, the default is the wireless mode, and the wireless (Wi-Fi icon flashes) mode/ Bluetooth HID mode and Bluetooth BLE mode can be switched by triggering the button ① / button ②;
- 4) Wireless mode: After entering the settings to select the wireless mode, the Wi-Fi icon and the screen will flash, and it is in the state of being paired. Insert the USB receiver into the USB port of the computer to pair; after the pairing is successful, you will hear a beep, and the screen will be off blink again;
- 5) Bluetooth mode: the first Bluetooth icon is HID keyboard mode, and the second Bluetooth icon is BLE serial port mode; after selecting the HID mode Bluetooth icon, the screen will flash and it is in the state of being paired, and the mobile phone searches for RB Scanner HID for pairing;
- 6) Time setting: After entering the setting, press button ① / key ② to select, when the corresponding hour hand is flashing, press button ③ to confirm, and then press button ① or button ② to adjust the time.



II. Feature

- 1) The wireless space is 100 meters away.
- 2) The new decoding chip can interpret various 1D and 2D barcodes.

- 3) It has a screen and light prompts to avoid missing codes.
- 4) Plug and play, not need any driver, easy to operat.

III. Technical parameters

Barcode Scanner	
Data item	spec
Light Sources	617nm LED Aimer,White LED
Decoding capability	1D: EAN13, EAN8, UPC-A, UPC-E0, UPC-E1, Code128, Code39, Code93, CodaBar, Interleaved 2 of 5, Industrial 25, Matrix 2 of 5, Code11, MSI Plessey, RSS-14, Limited RSS, Extended RSS. 2D: QR Code, PDF417, DataMatrix (ECC200), Mico QR, Hanxin Code.
Scan Type	Image CMOS
Resolution	640*480
Precision	1D≥5mil, 2D≥10mil
Scan Mode	Manually/Continuous/Auto-sensing scanning
Scan Angle	Yaw ±55°, Rotation 360°, Pitch ±55°
Depth of scan field	EAN13 40mm-200mm (13mil), QR Code 40mm-180mm (20mil).
Interface	USB-HID
Wireless transmission distance	100 meters (open distance)
Wireless Communication	Pairing dedicated receiver: 2.4G communication; pairing mobile Bluetooth device: Bluetooth BLE4.0
Cable Length	0.8M
Error Rate	Less than 1/5 million
Material	ABS+PC
Voltage	DC5V±5%
Lithium Battery	1200mAh
Working current	Working status 280mA
Shock Resistance	withstand multiple 1.5 meters free fall
Working Temperature	-20°C - 50°C
Storage Temperature	-40°C- 70°C
Relative Humidity	5%~95% (Non-condensing)

Factory Default



Pairing Steps

A. The scanner is paired with the receiver:

- 1) Scan the pairing code "I" and "II" in turn, and the screen of the scanner will flash;
- 2) Connect the receiver, the scanner broadcasts that the wireless connection is successful, indicating that the pairing is complete.



I



II

B. Scanner HID bluetooth mode pairing bluetooth device:

- 1) The scanner scans the pairing code "I" and "II" in sequence, and the screen of the scanner flashes;
- 2) Search for "RB_Scanner_HID" on the Bluetooth of the mobile device and click pairing. The scanner will announce that the Bluetooth connection is successful, indicating that the pairing is complete.



I



II

Count Reset



Note: After scanning the barcode, the count displayed on the screen is cleared.

Wired Direct Mode



Wired Mode



Wireless Mode (default)

Instructions:
Plug in the charging cable to connect to the computer device, and scan this setting code to switch to the wired transmission mode.

Sleep Time



None



1Min(default)



2Min



5Min

3 Optional Wireless Mode



Normal



Automatic Storage (default)



Inventory

Note:

- 1) Normal Mode: the data will be uploaded to host device immediately after scan, out of range it will not save the data;
- 2) Inventory Mode: the data will be saved in the memory chip, and upload data to host device as instructed;
Eg: scan the “upload all data and clear”, the scanner will upload all data saved in the memory chip and clear the original data .
- 3) Automatic storage Mode: the data will be uploaded to host device immediately after scan if the scanner in range, the data will be saved in the memory chip press the scanner trigger to upload the saved data after back to range, and the original data in the memory chip will be cleared.

Data Upload Instruction in Inventory Mode



Upload all data



Upload new data



Display all data



Display new data



Data delete

Scan Mode



Manual(default)



Continuous



Auto-sensing

Keyboard Caps Lock Control



None



Capitalize



Lower Case



Case Swap

Transmit Speed



No delay



Delay 10ms



Delay 20ms



Delay 30ms

Keyboard Language



USA



French



Portuguese



British



Turkey-Q



Turkey-F

End Character



CR(default)



CR&LF



TAB



None

Image Reverse



*Disable



Enable

Prefix



Add prefix



Prefix

Eg , Add prefix “A”
Step 1, Scan below code to enter into “add prefix”
Step 2, Scan below code to add “prefix”
Step 3, Scan the numeric code correspond to “A” , the ASCII value of A in Hexadecimal is “4” “1”
Refer to Appendix 1 & Appendix 2
Step 4, Scan “save” code to save (refer to Appendix 1)

Suffix



Add Suffix



Suffix

Note:
The method of adding the suffix is the same as the prefix.

Appendix 1:



0



1



2



3



4



5



6



7



8



9



A



B



C



D



E



F



Saved

Appendix 2 :

Hex	Char
00	NUL (Null char.)
01	SOH (Start of Header)
02	STX (Start of Text)
03	ETX (End of Text)
04	EOT (End of Transmission)
05	ENQ (Enquiry)
06	ACK (Acknowledgment)
07	BEL (Bell)
08	BS (Backspace)
09	HT (Horizontal Tab)
0a	LF (Line Feed)
0b	VT (Vertical Tab)
0c	FF (Form Feed)
0d	CR (Carriage Return)
0e	SO (Shift Out)
0f	SI (Shift In)
10	DLE (Data Link Escape)
11	DC1 (XON) (Device Control 1)
12	DC2 (Device Control 2)
13	DC3 (XOFF) (Device Control 3)
14	DC4 (Device Control 4)
15	NAK (Negative Acknowledgment)
16	SYN (Synchronous Idle)
17	ETB (End of Trans. Block)
18	CAN (Cancel)
19	EM (End of Medium)
1a	SUB (Substitute)
1b	ESC (Escape)
1c	FS (File Separator)
1d	GS (Group Separator)
1e	RS (Request to Send)
1f	US (Unit Separator)
20	SP (Space)
21	! (Exclamation Mark)
22	" (Double Quote)
23	# (Number Sign)
24	\$ (Dollar Sign)
25	% (Percent)
26	& (Ampersand)
27	' (Single Quote)
28	((Right / Closing Parenthesis)
29) (Right / Closing Parenthesis)
2a	* (Asterisk)
2b	+ (Plus)
2c	, (Comma)
2d	- (Minus / Dash)
2e	. (Dot)
2f	/ (Forward Slash)
30	0
31	1
32	2
33	3
34	4
35	5
36	6
37	7
38	8
39	9
3a	: (Colon)
3b	; (Semi-colon)
3c	< (Less Than)
3d	= (Equal Sign)
3e	> (Greater Than)
3f	? (Question Mark)

Char
@ (AT Symbol)
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z
[(Left / Opening Bracket)
\ (Back Slash)
] (Right / Closing Bracket)
^ (Caret / Circumflex)
_ (Underscore)
` (Grave Accent)
a
b
c
d
e
f
g
h
i
j
k
l
m
n
o
p
q
r
s
t
u
v
w
x
y
z
{ (Left/ Opening Brace)
(Vertical Bar)
} (Right/Closing Brace)
~ (Tilde)
DEL (Delete)