

Red Scan 2D-WB5

Wireless Barcode Scanner



Ba11



User Manual

Designed For Excellence.

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Thank you for choosing **Red Scan 2D-WB5 Wireless Barcode Scanner**. Please read the user manual carefully before operation and save this user manual for further reference.

Caution :

- Reading window must be kept clean.
- Avoid the reading window to be abraded or scratched by hard and rough objects.
- Avoid liquid spilling to the reading window.
- Do not stare into beam when the led light on.
- *Please do not attempt to disassemble this product yourself, as it will result in voiding the warranty. For expert assistance, please contact our support team at 84400 45005 or feedback@iball.co.in*

To review our complete warranty terms and conditions, please click the link below

[View Warranty Policy](#)

To find your nearest authorized service center, please click the link below

[Find a Service Center](#)

Features :

- 2D Quick Scan
- 3-in-1 Connectivity (BT | 2.4 GHz | Wired)
- Haptic Feedback & Smart Buzzer Control
- Auto Sleep
- Up to 30,000 Scans / Charge*
- 1000 mAh Battery
- Type-C Charging
- Dual Scan (Trigger / Continuous)
- Up to 100 m Wireless Range*
- Omnidirectional Scanning
- 1.5 m Drop Proof
- Offline Storage
- Multi-OS Compatible
- Handheld & Portable

Specifications :

Device Type	: Handheld
Connectivity	: Wireless Wired
Barcode Dimension	
Support	: 1D/2D
Indicators	: Buzzer, LED
Scan Rate	: 0.5 M/S
Scan Angle	
Rotation	: 360°
Yaw	: ± 60°
Pitch	: ± 60°

CMOS Sensor Resolution	: 640*480
BT Name	: RedScanWB5_HID
Field Of View	
Horizontal View	: 32 °
Vertical View	: 42 °
Offline Storage	
Memory Size	: 200KB
No.of Barcode Stores	: 20000 (10 digit)
Battery Capacity	: 1000mAh
Input Voltage	: DC 5V
Operating Current	: 220mA
Power Consumption	: 1.1W
Print Contrast Ratio	: ≥20%
Resolution	: ≥5mil (1D) ≥7mil (2D)
Light Source	: 617nm
Housing Material	: ABS + PC
OS Compatibility	: Windows, Linux, Mac
Product Dimension	: 4.6 x 3.4 x 12.9 cm (W x D x H)
Net.Weight	: 91 g

**Performance may vary depending on usage conditions and environment.*

Package Contents :

Scanner	: 1 U
USB Receiver	: 1 U
Charging Cable	: 1 U
Lanyard	: 1 U
QR Code Guide	: 1 U



Version

Pairing Instructions :

A. Barcode Scanner Pair with Wired Mode

Connect the charging cable to the compatible device, then scan the barcode below to switch to wired transmission mode.



Wired Mode



Wireless Mode
(Default)

B. Barcode Scanner Pair with USB Dongle

Step 1 : Scan Below Pairing barcode I, barcode II in sequence, and the scanner LED indicator becomes blue flashing.



I



II

Step 2 : Insert the USB dongle into the host device, and wait a few seconds for automatic pairing. The scanner's LED indicator turns blue once pairing is successful.

C. Barcode Scanner Pair with BT Device

Step 1 : Scan Below Pairing barcode I, barcode II in sequence, and the scanner LED indicator becomes blue and flashing.



I



II

Step 2 : Open the BT settings on your mobile phone, tablet, laptop, or other compatible device and search for "**RedScanWB5_HID**" then connect it. When the scanner LED indicator becomes blue, the pairing is completed.

Configuration Settings :

The following configuration barcodes can be scanned to customize the scanner according to your requirements.

Factory Default

Scan the **Factory Default** barcode to restore the scanner to its default configuration.



Factory Default

***Note :** Restoring factory settings will reset previously configured scanner settings.*

Wireless Mode :

A. Instant Upload Mode

Scan the barcode to enable instant upload. Each scanned barcode is uploaded to the computer immediately with a beep sound.



Normal

B. Inventory Mode

Scan the barcode to store scanned data in the scanner's internal memory. The data can be

uploaded to the computer later by scanning the upload setting barcode.



Inventory

C. Automatic Storage Mode (Default)

Scan the barcode to enable automatic storage mode. When the scanner has a signal, scanned data is uploaded to the computer automatically. When the signal is unavailable, the data is stored in the scanner's internal memory and uploaded automatically once the signal is restored.



Automatic Storage
(Default)

Data Upload Instruction in Inventory Mode :

Scan one of the barcodes below to manage the stored data in the scanner's internal memory.



Upload All Data



Upload New Data



Display All Data



Display New Data



Data Delete

Scan Mode :



Manual (Default)



Continuous



Auto Sensing

Transmit Speed :

The transmission delay controls how quickly scanned data is sent to the connected device.

- **No Delay (Default)** - Sends scanned data without additional delay.
- **10 ms Delay** - Adds a 10 ms delay between transmitted characters.
- **20 ms Delay** - Adds a 20 ms delay between transmitted characters.



No Delay (Default)



10 ms Delay



20 ms Delay

Tip : If your computer or application does not receive scanned data correctly, try using the 10 ms or 20 ms delay setting.

End Character :

The scanner can automatically add an end character after each scanned barcode.



CR (Default)



CR & LF



TAB



None

Buzzer :

The buzzer provides audible feedback during scanner operation.

- **ON** - Enables the buzzer sound.
- **OFF** - Disables the buzzer sound.



ON



OFF

Haptic Feedback Effect Control :

The haptic provides physical motor feedback during scanner operation.

- **OFF** - Disables the haptic effect.
- **ON** - Enables the haptic effect.



OFF



ON

Sleep Time :



2 Min

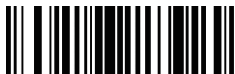


5 Min

Keyboard Caps Lock Control :



None



Capitalize



Lower Case



Case Swap

Prefix Setting :



Add Prefix



Prefix

Example - Add prefix "A"

Follow the steps below to add the prefix "A" :

Step 1 : Scan the "Add Prefix" code;

Step 2 : Scan the "Prefix" code;

Step 3 : Scan the hexadecimal value for "A", which is 41. Scan "4" followed by "1" in sequence. (Refer to Appendix 1 & Appendix 2.);

Step 4 : Scan the "Save" code to save the prefix setting. (Refer to Appendix 1).

Suffix Setting :



Add Suffix



Suffix

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

UPC-A to EAN 13 :



Enable



Disable

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	((Left / Opening 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)
40	@	(AT Symbol)
41	A	
42	B	
43	C	
44	D	
45	E	
46	F	
47	G	
48	H	
49	I	
4a	J	
4b	K	
4c	L	
4d	M	
4e	N	
4f	O	
50	P	
51	Q	
52	R	
53	S	
54	T	
55	U	

56	V
57	W
58	X
59	Y
5a	Z
5b	[(Left / Opening Bracket)
5c	\ (Back Slash)
5d	] (Right / Closing Bracket)
5e	^ (Caret / Circumflex)
5f	_ (Underscore)
60	` (Grave Accent)
61	a
62	b
63	c
64	d
65	e
66	f
67	g
68	h
69	i
6a	j
6b	k
6c	l
6d	m
6e	n
6f	o
70	p
71	q
72	r
73	s
74	t
75	u
76	v
77	w
78	x
79	y
7a	z
7b	{ (Left / Opening Brace)
7c	(Vertical Bar)
7d	} (Right / Closing Brace)
7e	~ (Tilde)
7f	DEL (Delete)



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