

BSS209 Barcode Scanner



Ba11



User Manual

Designed For Excellence.

www.iball.co.in

Thank you for choosing **BSS209 Barcode Scanner**. Please read the user manual carefully before operation and save this user manual for further reference.

Avoid self-disassembly of the Barcode Scanner, Kindly approach our service team with reference to the following link for service support:

[**Warranty Policy**](#)

Features :

- 2D Quick Scan
- Triple Scan (Trigger/Continuous/Auto sensing)
- Auto Sleep/Wake
- Smart Buzzer Control
- Omnidirectional Barcode Scanning
- 2m USB Cable
- LED Indicator
- Multi - OS Compatible

Specification :

Device Type	: Handheld
Connectivity	: USB
Barcode Dimension	
Support	: 1D/2D
Indicators	: Buzzer, LED
Scan Rate	: 270scans/sec
Scan Angle	
Rotation	: 360°
Yaw	: ± 60°
Pitch	: ± 60°
Print Contrast Ratio	: ≥20%
Resolution	: ≥4mil
Light Source	: 617nm LED Aimer,White LED
Input Voltage	: DC5V±5%
Housing Material	: ABS+PC
OS Compatibility	: Windows, Linux, Mac

Cable Length	: 2m
Product Dimension	: 7.5 x 9.5 x 15.5 cm (W x D x H)
Net.Weight	: 115g

Package Contents :

Scanner	: 1 U
Input Cable	: 1 U
Stand	: 1 U
QR Code Guide	: 1 U



Version



Factory Default

Basic Configuration Interface :



USB-HID



RS232



USB-COM

Interface Description:

1. USB-HID : The factory default setting is USB -HID, free drive.
2. Serial port mode : It needs to be equipped with a dedicated serial port wire and used in the serial port receiving software (serial port default setting : baud rate : 115200, data bit : 8 bits, stop bit : 1 bit, parity bit : none).

3 Virtual serial port : Need to install a dedicated driver.

Scan Mode :



Manual(Default)



Continuous



Auto-sensing

Baud Rate :



4800



9600



38400



115200

Note:

When the serial port communication baud rate parameter is inconsistent with the host serial port software, it can be modified through the setting code.

Terminator :



CR(default)



TAB



Disable

Keyboard Language :



U SA(Default)



Czech



France



Germany



Spain



Italy



Turkey Q



Turkey F



Brazil



Russia



Portugal



Belgium

Sound Setting :



ON



OFF



High



Low

Turn On/Off All Symbologies :



Enable all 1D Barcodes



Disable all 1D Barcodes



Enable all 2D Barcodes



Disable all 2D Barcodes

Image Reverse :



Disable



Enable

Interleaved 2 of 5 :



Disable



Enable

UPC-A to EAN13 :



Enable



Disable

Prefix :



Enable Prefix



Disable Prefix



Modify Prefix Content

Eg, Add Prefix "A"

Step 1 : Scan above enable code to add "Prefix";

Step 2 : Scan the numeric code "4" and "1" in sequence (Refer to Appendix 1);

step 3 : Because ASCII value of A in Hexadecimal is "41", so scan "4" and "1" in sequence (Refer to Appendix 1 & Appendix 2);

Step 4 : Scan "Saved" code to save (Refer to Appendix 1).

Suffix :



Enable Suffix



Disable Suffix



Modify Suffix Content

Note:

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

Appendix 1 : (Numeric / Hex codes)



0



1



2



3



4



5



6



7



8



9



A



B



C



D



E



F

Save or Cancel :



Save



Cancel the Last Read Bit of Data



Cancel the Previous Read String of Data



Cancel the Current Setting

Modify the prefix & suffix :

Scan the "modify prefix/suffix content" setting codes, and combine the numeric/Hex code to modify the prefix/suffix content. Now scan the "Save" code to save it.

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)
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)



ISO 9001:2015 Certified Company
Since 2001 | www.iball.co.in