



User Manual

2D Barcode Scanner



Model: OY-20

Contents

Factory Default.....	3
Technical Parameter.....	4
Instruction for Use.....	5
Scan Mode.....	6
End Character.....	6
Buzzer Setting.....	7
Keyboard Caps Lock Control.....	7
Keyboard Language.....	8
Prefix Setting.....	9
Suffix Setting.....	9
Barcode Settings.....	10
Barcode Conversion.....	14
Additional Code.....	15
Data Codes.....	17
Problems and Solutions.....	21



Factory Default

Technical Parameter

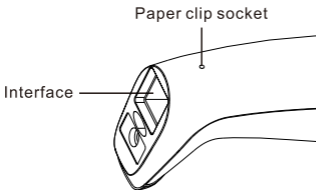
Barcode Scanner	
Date Item	Parameter
Type of Light Source	617 nm LED Aimer, White LED
Decoding Accuracy	≥5mil
Decoding Ability	1D: Code 128, EAN-8, EAN-13, UPC-A, UPC-E, ISBN, ISSN, Code 11, Code 39, Code 93, Code 32, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, IATA 2 of 5, Codabar, MSI Plessey. 2D: QR Code, Micro QR Code, Data Matrix, PDF-417, Hanxin Code.
Scanning Principle	CMOS
Resolution	640x480px
Scan Mode	Manual Scan / Continuous Scan / Auto-sensing
The Distance Between The Scan And The Barcode	35mm-280mm (EAN13 13mil 90%PCS)
Bit Error Rate	1/5 million
System Compatibility	Windows, Linux, Android
Incompatible Systems	Square POS, JavaPOS, OPOS
Material	ABS+PC
Cable Length	2M

Continue the table below ➡

Working Current	120mA
Working Voltage	DC 5V±5%
Shock Resistance	Withstand multiple 3 meters free fall
Operating Temperature	-20°C~60°C
Storage Temperature	-40°C~70°C
Operating Humidity	5%-95% RH without condensation

Instruction for Use

Unpack the package, plug in the USB cable to connect the scanner to the device, then open the required software or text on the device, start scanning.



Note: Insert paper clip into the socket and press to remove the cable.

Scan Mode



Manual(default)



Continuous



Auto-sensing

End Character



CR(default)



CR&LF



TAB



None

Buzzer Setting



ON(default)



OFF



High



Low

Keyboard Caps Lock Control



None(default)



Case Swap



Capitalize



Lower Case

Keyboard Language



USA(default)



French



UK



German



Italy



Spanish



Japanese

Prefix Setting



Add Prefix



Prefix

Eg: Add prefix "A"

Step 1: Scan above code to enter into "Add Prefix";

Step 2: Scan above 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 "saved" code to save(Refer to Appendix 1).

Suffix Setting



Add Suffix



Suffix

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

Barcode Settings

Reverse Barcode Setting



Enable



Disable(default)

All 1D Barcodes



Enable



Disable

All 2D Barcodes



Enable



Disable

EAN-8



Enable(default)



Disable

EAN-13



Enable(default)



Disable

UPCA



Enable(default)



Disable

UPC-E0



Enable(default)



Disable

UPC-E1



Enable(default)



Disable

Interleaved 2 of 5



Enable(default)



Disable

Industrial 2 of 5



Enable



Disable(default)

Codabar



Enable(default)



Disable

Code 39



Enable(default)



Disable

QR Code



Enable(default)



Disable

PDF 417



Enable



Disable(default)

DataMatrix



Enable(default)



Disable

Barcode Conversion

EAN 13 Converts ISBN



Enable



Disable(default)

EAN 13 Converts ISSN



Enable



Disable(default)

UPCA Converts EAN13



Enable



Disable(default)

Additional Code

2-bit Additional Code for EAN-8



Enable



Disable(default)

5-bit Additional Code for EAN-8



Enable



Disable(default)

2-bit Additional Code for EAN-13



Enable



Disable(default)

5-bit Additional Code for EAN-13



Enable



Disable(default)

2-bit Additional Code for UPC-E1



Enable



Disable(default)

5-bit Additional Code for UPC-E1



Enable



Disable(default)

2-bit Additional Code for UPCA



Enable



Disable(default)

5-bit Additional Code for UPCA



Enable



Disable(default)

Data Codes

Appendix 1:



0



1



2



3



4



5



6



7



8



9



A



B



C



D



E



F



Save

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)

Hex	Char
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)

Continue the table below ➡

◀ Continue to the table

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)

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)

Problems and Solutions

Problems: Barcode scanner is not working properly, possible reasons:

1. The barcode scanner is not powered up, check the usb port and power supply of the host device, try to re-plug the usb cable.
2. Used incorrect usb cable, please use the original usb cable provided in the box.
3. The usb cable is loose, try to reconnect it.
4. Check the barcode scanner trigger whether it is work properly.

Problems: Barcode scanner reading properly, but the output is incorrect, or no output.

1. If the output is garbled characters, maybe the barcode scanner output speed is much higher than the host device usb port receiving speed, please contact our technical team to request details setting step to slow the output speed.
2. If the barcode scanner reading properly, but there is no output, try to re-plug the usb cable to host device.
3. If the output is garbled characters or incorrect characters, try to set the keyboard language accordingly (refer to page 8).

Problem: Barcode scanner is unable to read barcodes, possible reasons:

1. The barcode type not listed in the tech parameters (refer to page 4).

2. The barcode type listed in the tech parameters, but default is disabled, please try to enable it (refer to page 10-13).

3. The barcode type listed in the tech parameters and already enabled still not to read, please try to contact our technical team for further support.

Other questions or problems still can't be fixed, please contact our technical team for further support.

For more setting, welcome to contact us for tech support.

Service support: support@obzshop.com

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