

**2D BARCODE SCANNER
(USER MANUAL)**

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Version information

Version	Date	Description
V00	2014-9-1	First edition

User Setup Guide

I, Factory settings

1. Reset custom defaults

To restore factory settings, please first scan "Enter / Exit" bar code, then scan the "factory settings" bar code sand scan again "Enter / Exit" to exit, then the scanner can be fully restored to the default conditions.



Enter/Exit



Factory Settings

NOTICE: Call default will not change the usb interface type. For example,if the usb interface current used is HID, after call default, the usb will be still HID.

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II, Interfaces

USB interface settings

Connecting a USB interface, USB can enumerate into USB HID, USB COM types, and the default type is USB virtual serial port type, if you need to configure a different type, do as follows:

(1) USB HID

To recognize as a USB HID type, scan "USB HID" barcode.



USB HID

(2) USB COM

In conditions when application software needs serial port, USB can be recognized as a USB COM type, requiring users to install the driver.



USB COM

III, aiming light setting



Aiming light on



*Aiming light off

IV CR&LF settings

1. Add CR



2. Cancel CR



3. Add LF



4. Cancel LF



5. Add CR&LF



6. Cancel CR&LF



V,Barcode types enable and disable configuration

1.UPC/EAN



*Enable



Disable

2.Codabar



* Enable



Disable

3.Code39



* Enable



Disable

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4.Full ASCII Code39



Enable



* Disable

5.Interleaved 2 of 5



* Enable



Disable

6.Code93



* Enable



Disable

7.Straight 2 of 5 Industrial



Enable



* Disable

8. Matrix 2 of 5



Enable



* Disable

9.Code 11



Enable



* Disable

10.Code 128



* Enable



Disable

11.Telepen



Enable



* Disable

12.UPC-A



* Enable



Disable

13.EAN-13



* Enable



Disable

14.EAN-8



* Enable



Disable

15.MSI



Enable



* Disable

16.GS1 DataBar Omnidirectional



* Enable



Disable

17.GS1 DataBar Limited



* Enable



Disable

18.GS1 DataBar Expanded



* Enable



Disable

19.Trioptic Code

Can only enable one between Trioptic and Pharmacode.



Enable



* Disable

20. Pharmacode



Enable



* Disable

21.Codablock A



Enable



* Disable

22.Codablock F



Enable



* Disable

23.PDF417



* Enable



Disable

24.MicroPDF417



Enable



* Disable

25.QR Code



* Enable



Disable

26.Data Matrix Code



* Enable



Disable

27.MaxiCode



Enable



* Disable

28. Aztec Code



* Enable



Disable

29. Han Xin Code



Enable



* Disable

30. Grid Matrix Code



Enable



* Disable

31. Hong Kong 2 of 5 (China post)



Enable



* Disable

Notice: When reading a postal, all other postal need close

32. Airline 2 of 5



Enable



Disable

33. Mirror image



Enable



* Disable



Appendix 1: ASCII table

Appendix 1: ASCII table

Decimal	Hex	Character
0	0	NULL
1	1	START OF HEADING (SOH)
2	2	START OF TEXT (STX)
3	3	END OF TEXT (ETX)
4	4	END OF TRANSMISSION (EOT)
5	5	END OF QUERY (ENQ)
6	6	ACKNOWLEDGE (ACK)
7	7	BEEP (BEL)
8	8	BACKSPACE (BS)
9	9	HORIZONTAL TAB (HT)
10	A	LINE FEED (LF)
11	B	VERTICAL TAB (VT)
12	C	FF (FORM FEED)
13	D	CR (CARRIAGE RETURN)
14	E	SO (SHIFT OUT)
15	F	SI (SHIFT IN)
16	10	DATA LINK ESCAPE (DLE)
17	11	DEVICE CONTROL 1 (DC1)
18	12	DEVICE CONTROL 2 (DC2)
19	13	DEVICE CONTROL 3 (DC3)
20	14	DEVICE CONTROL 4 (DC4)
21	15	NEGATIVE ACKNOWLEDGE-MENT (NAK)
22	16	SYNCHRONIZE (SYN)
23	17	END OF TRANSMISSION BLOCK (ETB)
25	19	END OF MEDIUM (EM)
26	1A	SUBSTITUTE (SUB)
27	1B	ESCAPE (ESC)

Appendix 1: ASCII table

28	1C	FILE SEPARATOR (FS) RIGHT ARROW
29	1D	GROUP SEPARATOR (GS) LEFT ARROW
Decimal	Hex	Character
30	1E	RECORD SEPARATOR (RS) UP ARROW
31	1F	UNIT SEPARATOR (US) DOWN ARROW
32	20	<SPACE>
33	21	!
34	22	"
35	23	#
36	24	\$
37	25	%
38	26	&
39	27	'
40	28	(
41	29	)
42	2A	*
43	2B	+
44	2C	,
45	2D	-
46	2E	.
47	2F	/
48	30	0
49	31	1
50	32	2
52	34	4
53	35	5
54	36	6
55	37	7
56	38	8
57	39	9

Appendix 1: ASCII table

58	3A	:
59	3B	;
60	3C	<
61	3D	=
Character	Hex	Character
62	3E	>
63	3F	?
64	40	@
65	41	A
66	42	B
67	43	C
68	44	D
69	45	E
70	46	F
71	47	G
72	48	H
73	49	I
74	4A	J
75	4B	K
76	4C	L
77	4D	M
79	4F	O
80	50	P
81	51	Q
82	52	R
83	53	S
84	54	T
85	55	U
86	56	V
87	57	W

Appendix 1: ASCII table

88	58	X
89	59	Y
90	5A	Z
91	5B	[
92	5C	\
93	5D	]
Decimal	Hex	Character
94	5E	^
95	5F	_
96	60	`
97	61	a
98	62	b
99	63	c
100	64	d
101	65	e
102	66	f
103	67	g
104	68	h
106	6A	j
107	6B	k
108	6C	l
109	6D	m
110	6E	n
111	6F	o
112	70	p
113	71	q
114	72	r
115	73	s
116	74	t
117	75	u

Appendix 1: ASCII table

118	76	v
119	77	w
120	78	x
121	79	y
122	7A	z
123	7B	{
124	7C	
125	7D	}
Decimal	Hex	Character
126	7E	~
127	7F	
128		

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Appendix 2: barcode types table

Appendix 2: barcode types table

Barcode Types	AIM ID	Possible AIM ID defining parameters	CODE ID	CODE ID Hex
All types				99
Code128	]Cm	0,1,2,4	j	6A
GS1-128	]C1			49
EAN-13	]E0		d	64
EAN-13 with Add-On	]E3		d	64
EAN-13 with Extended Coupon Code	]E3		d	64
EAN-8	]E4		D	44
EAN-8 with Add-On	]E3		D	44
Matrix 2 of 5	]X0		m	6D
Code49	]Tm	0,1,2,4	l	6C
Code 32	]X0			<3C
Code 39	]Am	0,1,3,4,5,7	b	62
British Post	]X0		B	42
Canadian Post	]X0		C	43
China Post	]X0		Q	51
Han Xin	]X0		H	48
Codebar	]Fm	0-1	a	61
Codablock A	]O6	0,1,4,5,6	V	56
Codablock F	]Om	0,1,4,5,6	q	71
Code 11	]H3		h	68
Data Matrix	]dm	0-6	w	77
Australian Post	]X0		A	41
Aztec Code	]zm	0-9,A-C	z	7A

Appendix 2: barcode types table

GS1 Composite	]em	0-3	y	79
GS1 DataBar	]em	0	y	79
Barcode Types	AIM ID	Possible AIM ID defining parameters	CODE ID	CODE ID Box
InfoMail	]X0		,	2c
Intelligent Mail Barcode	]X0		M	4D
Interleaved 2 of 5	]Im	0,1,3	e	65
Japanese Post	]X0			4A
KIX (Netherlands) Post	]X0		K	4B
Korea Post	]X0		?	3F
MaxiCode	]Um	0-3	x	7 8
MicroPDF417	]Lm	3-5	R	52
MSI	]Mm	0	g	67
NEC 2 of 5	]X0		Y	59
OCR MICR (E 13 B)	]o3		O	4F
OCR SEMI Font	]o3		O	4F
OCR-A	]o1		O	4F
OCR-B	]o2		O	4F
PDF417	]Lm	0-2	r	72
Planet Code	]X0		L	4C
Postal-4i	]X0		N	4E
Postnet	]X0		P	50
Straight 2 of 5 IATA	]Rm	0,1,3	f	66
Straight 2 of 5 Industrial	]S0		f	66
TCIF Linked Code 39 (TLC39)	]L2		T	54

Appendix 2: barcode types table

Telepen	]Bm		t	54
UPC-A	]E0		c	63
UPC-A with Add-On	]E3		c	63

Barcode Types	AIM ID	Possible AIM ID defining parameters	CODE ID	CODE ID Box
UPC-A with Extended Coupon Code	]E3		c	63
UPC-E	]E0		E	45
UPC-E with Add-On	]E3		E	45
UPC-E1	]X0		E	45

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