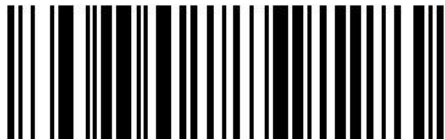


ASAP POS

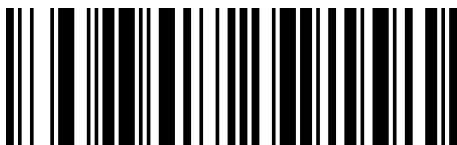
E22 User Manual



Factory Default



Version



Manual Mode

Keyboard Languages



Ukraine

USA

FINLAND



(8210010.)



(8210012.)

SPAIN



(82100110.)

FRANCE



(8210013.)

GERMANY



(8210014.)

ITALY



(8210015.)

DENMARK



(8210018.)

NORWAY



(8210019.)

CZECH



(82100115.)

HUNGARY



(82100119.)

SWEDEN



(82100123.)

ARAB



(82100191.)

RUSSIA



(82100126.)

SWITZERLAND_FRENCH



(82100129.)

ICELAND



SLOVENIA



CROATIA



(82100132.)

ALBANIA



(82100135.)

SERBIA_LATIN



(82100136.)

SERBIA_CYRILLIC



(82100137.)

CZECH_QWERTZ



(82100138.)

CZECH_QWERTY



(82100139.)

ESTONIA



(82100141.)

LITHUANIA



(82100144.)

IRISH



(82100173.)

FAEROESE



(82100183.)

TURKEY_F



(82100127.)

TURKEY_Q



(82100124.)



Ukraine

Interfaces:



RS232

RS232 Bound Rate:



300



600



1200



2400



4800



9600



19200



38400



57600



*115200



USB Keyboard(PC)



USB COM

Prompt sound setting



No prompt sound after successful decoding



*prompt sound after successful decoding

Scan the following barcode to modify the volume of the beeping sound after successful decoding.
Default=high.



Low volume



Middle Volume



*High Volume



Close

Prompt audio rate setting for successful decoding

Scan the following barcodes to modify the buzzer frequency after successful decoding; the default = medium.



Low (1600Hz)



*Medium(2400Hz)



High(4200Hz)

Decoding successful prompt sound duration setting

Scan the following barcode to modify the beep duration after successful decoding. Default = normal.



*Normal



Short

Decoding failure prompts audio frequency setting

Scan the following barcode to modify the buzzer frequency after decoding fails. Default=Razz.



* Razz (250 Hz)



Medium



High

Reading delay

Scan the following barcodes to set the time interval between the barcode scanning device after reading one barcode and then reading the next barcode. Default=750ms.



No Delay



*750ms



1000ms

1500ms

Adding Prefix/Suffix

Step 1. Scan the "add prefix" or "add suffix" barcode.

Step 2. Confirm the code system to add the prefix or suffix, and determine the 2-digit hexadecimal value from the code system chart. For example, for Code 11, the barcode type serial number is "h", and the Hex ID is "68".

Step 3. Scan the 2 hexadecimal digits in the chart in the appendix of this manual, or scan 9, 9 apply to all symbologies.

Step 4. Determine the hexadecimal value of the prefix/suffix from the ASCII conversion table.

Step 5. Scan the 2-digit hexadecimal value in the chart in the appendix of this manual.

Step 6. Repeat steps 4 and 5 for each prefix/suffix character.

Step 7. To add a barcode serial number, please scan 5, C, 8, 0.

To add AIM I.D., scan 5, C, 8, 1.

To add a backslash (\), scan 5, C, 5, C.

Note: To add a backslash (\) in step 7, you must scan 5C twice-once to create the leading backslash, and then to create the backslash itself.

Step 8. Scan the "Save" barcode to exit and save, or scan the "Discard" barcode to exit without saving. Repeat steps 1-6 to add prefix or suffix for other symbologies.



Add Prefix



Add Suffix



Save



Discard

Add carriage return suffix to all symbologies

To add a carriage return suffix to all symbologies, please scan the following barcode. This operation first clears all current suffixes, and then adds carriage return suffixes to all symbologies.



Add carriage return suffix to all symbologies

Add newline suffix to all symbologies

To add a carriage return and line feed suffix to all symbologies, please scan the following barcode. This operation first clears all current suffixes, and then adds carriage return and line feed suffixes to all symbologies.



Add newline suffix to all symbologies

Add carriage return and line feed suffix to all symbologies

To add a carriage return and line feed suffix to all symbologies, please scan the following barcode. This operation first clears all current suffixes, and then adds carriage return and line feed suffixes to all symbologies.



Add carriage return and line feed suffix to all symbologies

Delayed Barcode Transmission

A delay of up to 5000ms (in 5ms increments) can be set for each barcode transmission. Scan the following bar code, then scan the number of 5ms delay in the chart in the appendix of this manual, and then scan the "Save" bar code.



Delayed Barcode Transmission

To eliminate the barcode transmission delay, scan the "Barcode Delay" barcode and set the delay number to 0. Use the chart in the appendix of this manual and scan the "Save" barcode.

Example: Set a 100ms delay for transmitting barcodes:

First scan the "Barcode Delay", then scan the appendix chart "2" "0" ($100/5=20$), and then scan the "Save" barcode to set a 100ms transmission barcode delay.

All symbologies

If the barcode scanning device needs to decode all symbologies, please scan the "all symbologies on" barcode. To decode only a specific symbology, please scan the "all symbology off" barcode, and then scan the barcode for that specific symbology on



All symbologies on



All symbologies off

Note: After scanning the "All Symbologies On" barcode, the 2D postal code is not opened by default. The 2D postal code must be opened separately.

Description of reading length

The effective reading length of some code systems can be set. If the scanned barcode data length

does not match the effective reading length, the barcode scanning device will emit an error tone. Setting the same value for the minimum and maximum length will force the barcode scanning device to read a fixed length barcode. This helps reduce misunderstandings.

Example: Only decode barcodes with a barcode length of 6-10 characters.

Minimum length=06. Maximum length=10

Step 1. Select the symbology that you want to set the maximum and minimum reading length, scan the "Minimum Barcode Length" barcode under the catalog, scan the number "6" barcode and "Save" barcode from the appendix chart.

Step 2. Scan the "Maximum Barcode Length" barcode, and scan the number "1", "0" and "Save" barcode from the appendix chart.

The above steps will set the maximum reading length of the selected symbology to 10 and the minimum reading length to 6.

1D Barcodes

If the barcode scanning device needs to decode all 1D symbologies, please scan the "all 1D symbologies on" barcode. To decode only a specific symbology, please scan the "All 1D symbology off" barcode.



*All 1D symbologies on



All 1D symbologies off

2D Barcodes

If the barcode scanning device needs to decode all 2D symbologies, please scan the "all 2D symbologies on" barcode. To decode only a specific symbology, please scan the "All 2D symbology off" barcode.



*All 2D symbologies on



All 2D symbologies off



* Enable all codabar



Disable all codabar



* Enable code39



Disable code39



Enable Code 32 Pharmaceutical (PARAF)



*Disable Code 32 Pharmaceutical (PARAF)

FULL ASCII

If FULL ASCII Code39 decoding is enabled, some characters in the barcode will be decoded as single characters.

For example: \$V will be decoded as ASCII character SYN, and /C will be decoded as ASCII character #. Default=Off.

NUL%U	DLE \$P	SP	0	@ %	P P	' %W	p +P
SOH\$A	DC1 \$Q	! /A	1	A A	Q Q	a +A	q +Q
STX \$B	DC2 \$R	" /B	2	B B	R R	b +B	r +R
ETX \$C	DC3 \$S	# /C	3	C C	S S	c +C	s +S
EOT \$D	DC4 \$T	\$ /D	4	D D	T T	d +D	t +T
ENQ \$E	NAK \$U	% /E	5	E E	U U	e +E	u +U
ACK \$F	SYN \$V	& /F	6	F F	V V	f +F	v +V
BEL \$G	ETB \$W	' /G	7	G G	W W	q +G	w +W
BS \$H	CAN \$X	(/H	8	H H	X X	h +H	x +X
HT \$I	EM \$Y	) /I	9	I I	Y Y	i +I	y +Y
LF \$J	SUB \$Z	* /J	:	J J	Z Z	j +J	z +Z
VT \$K	ESC %	+ /K	:	%F K K	f %K	k +K	{ %P
FF \$L	FS %B	. /L	< %	L L	\ %L	l +L	%Q
CR \$M	GS %C	- /M	= %	M M	%M	m +M	} %R
SO \$N	RS %D	. /N	> %I	N N	^ %N	n +N	~ %S
SI \$O	US %E	/ /O	? %J	O O	_ %O	o +O	DEL %T

The character pairs /M and /N are decoded as a minus sign and a period respectively. The character pairs /P to /Y are decoded as 0 to 9.



Enable FULL ASCII



*Disable FULL ASCII



*Enable Interleaved 2 of 5



Disable Interleaved 2 of 5



*Enable NEC 2 of 5



Disable NEC 2 of 5



*Enable code93



Disable code93



Enable Matrix 2 of 5



*Disable Matrix 2 of 5



Enable Code11



*Disable Code11



*Enable Code128



Disable Code128



*Enable GS1-128



Disable GS1-128



*Enable UPC-A



Disable UPC-A



*Enable UPC-E0



Disable UPC-E0



Enable UPC-E1



*Disable UPC-E1



*Enable EAN/JAN-13

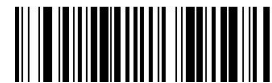


Disable EAN/JAN-13

Note: If you want to convert UPC-A barcode to EAN-13 format, please scan barcode "Disable UPC-A"



Enable ISBN Translate



*Disable ISBN Translate



*Enable EAN/JAN-8



Disable EAN/JAN-8



Enable MSI



*Disable MSI



*Enable PDF417



*Enable QR Code



*Enable Data Matrix



*Enable Aztec Code



Enable Maxi Code



Enable Micropdf

Disable PDF417



Disable QR Code



Disable Data Matrix



Disable Aztec Code



Disable Maxi Code



Disable Micropdf

Appendix Reference Chart

1D Symbolologies

Symbology	AIM			
	ID	Possible Modifiers (m)	ID	Hex
All Symbolologies				99
Codabar	]Fm	0-1	a	61
Code 11	]H3		h	68
Code 128	]Cm	0, 1, 2, 4	j	6A
Code 32 Pharmaceutical (PARAF)	]X0		<	3C
Code 39 (supports Full ASCII mode)	]Am	0, 1, 3, 4, 5, 7	b	62
TCIF Linked Code 39 (TL C39)	]L2		T	54
Code 93 and 93i	]Gm	0-9, A-Z, a-m	i	69
EAN	]Em	0, 1, 3, 4	d	64

EAN-13 (including Bookland EAN)	]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

Symbology	AIM			
	ID	Possible Modifiers (m)	ID	Hex
GS1				
GS1 DataBar	]em	0	y	79
GS1 DataBar Limited	]em		{	7B
GS1 DataBar Expanded	]em		}	7D
GS1-128	]C1		l	49
2 of 5				
China Post (Hong Kong 2 of 5)	]X0		Q	51
Interleaved 2 of 5	]Im	0, 1, 3	e	65
Matrix 2 of 5	]X0		m	6D
NEC 2 of 5	]X0		Y	59
Straight 2 of 5 IATA	]Rm	0, 1, 3	f	66
Straight 2 of 5 Industrial	]S0		f	66
MSI	]Mm	0, 1	g	67
Telepen	]Bm		t	74

UPC		0, 1, 2, 3, 8, 9 A B C		
UPC-A	]E0		c	63
UPC-A with Add-On	]E3		c	63
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
Add Newtologic Code ID				5C
Add AIM Code ID				5C
Add Backslash				5C
Batch Mode Quantilty			5	35

2D Symbolologies

Symbology	AIM			
	ID	Possible Modifiers (m)	ID	Hex
All Symbolologies				99
Aztec Code	]zm	0-9, A-C	z	7A
Chinese Sensible Code (Han Xin Code)	]X0		H	48
Codablock A	]O6	0, 1, 4, 5, 6	V	56
Codablock F	]Om	0, 1, 4, 5, 6	q	71
Code 49	]Tm	0, 1, 2, 4	l	6C
Data Matrix	]dm	0-6	w	77
GS1	]em	0-3	y	79
GS1 Composite	]em	0-3	y	79
GS1 DataBar Omnidirectional	]em	0-3	y	79
MaxiCode	]Um	0-3	x	78
PDF417	]Lm	0-2	r	72
MicroPDF417	]Lm	0-5	R	52

QR Code	]Qm	0-6	s	73
Micro QR Code	]Qm		s	73

Post Code

Symbology	AIM			
	ID	Possible Modifiers (m)	ID	Hex
All Symbologies				99
Australian Post	]X0		A	41
British Post	]X0		B	42
Canadian Post	]X0		C	43
Symbology	AIM			
	ID	Possible Modifiers (m)	ID	Hex
China Post	]X0		Q	51
InfoMail	]X0		,	2c
Intelligent Mail Bar Code	]X0		M	4D
Japanese Post	]X0		J	4A
KIX (Netherlands) Post	]X0		K	4B
Korea Post	]X0		?	3F
Planet Code	]X0		L	4C
Postal-4i	]X0		N	4E
Postnet	]X0		P	50

ASCII Table

Hexadecimal	Decimal	Character	
00	0	NUL	(Null char.)
01	1	SOH	(Start of Header)
02	2	STX	(Start of Text)
03	3	ETX	(End of Text)
04	4	EOT	(End of Transmission)
05	5	ENQ	(Enquiry)
06	6	ACK	(Acknowledgment)
07	7	BEL	(Bell)
08	8	BS	(Backspace)
09	9	HT	(Horizontal Tab)
0a	10	LF	(Line Feed)
0b	11	VT	(Vertical Tab)
0c	12	FF	(Form Feed)
0d	13	CR	(Carriage Return)
0e	14	SO	(Shift Out)

0f	15	SI	(Shift In)
10	16	DLE	(Data Link Escape)
11	17	DC1	(XON) (Device Control 1)
12	18	DC2	(Device Control 2)
13	19	DC3	(XOFF) (Device Control 3)
14	20	DC4	(Device Control 4)
15	21	NAK	(Negative Acknowledgment)
16	22	SYN	(Synchronous Idle)
17	23	ETB	(End of Trans. Block)
18	24	CAN	(Cancel)
19	25	EM	(End of Medium)
1a	26	SUB	(Substitute)
1b	27	ESC	(Escape)
1c	28	FS	(File Separator)
1d	29	GS	(Group Separator)
1e	30	RS	(Request to Send)
1f	31	US	(Unit Separator)
20	32	SP	(Space)
21	33	!	(Exclamation Mark)
22	34	"	(Double Quote)
23	35	#	(Number Sign)
24	36	\$	(Dollar Sign)

25	37	%	(Percent)
26	38	&	(Ampersand)
27	39	`	(Single Quote)
28	40	(	(Right / Closing Parenthesis)
29	41	)	(Right / Closing Parenthesis)
2a	42	*	(Asterisk)
2b	43	+	(Plus)
2c	44	,	(Comma)
2d	45	-	(Minus / Dash)
2e	46	.	(Dot)
2f	47	/	(Forward Slash)
30	48	0	
31	49	1	
32	50	2	
33	51	3	
34	52	4	
35	53	5	
36	54	6	
37	55	7	

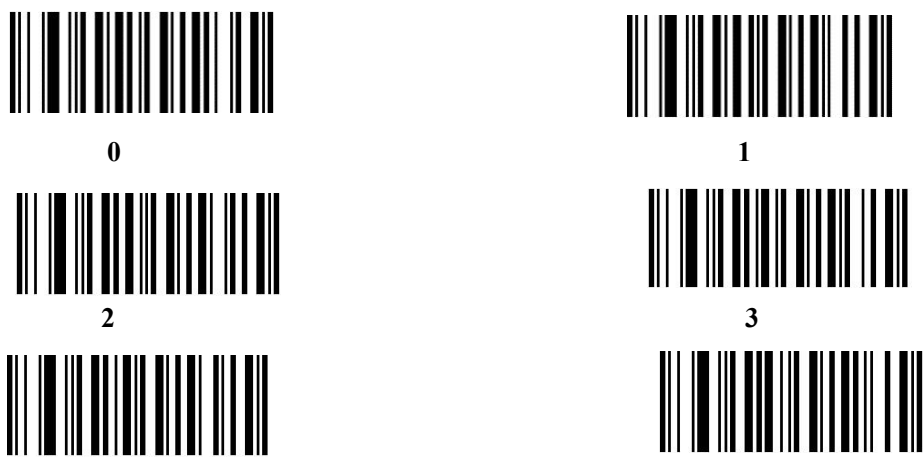
38	56	8
39	57	9
3a	58	: (Colon)
3b	59	; (Semi-colon)
3c	60	< (Less Than)
3d	61	= (Equal Sign)
3e	62	> (Greater Than)
3f	63	? (Question Mark)
40	64	@ (AT Symbol)
41	65	A
42	66	B
43	67	C
44	68	D
45	69	E
46	70	F
47	71	G
48	72	H
49	73	I
4a	74	J
4b	75	K
4c	76	L
4d	77	M
4e	78	N
4f	79	O

50	80	P
51	81	Q
52	82	R
53	83	S
54	84	T
55	85	U
56	86	V
57	87	W
58	88	X
59	89	Y
5a	90	Z
5b	91	[(Left / Opening Bracket)
5c	92	\ (Back Slash)
5d	93	] (Right / Closing Bracket)
5e	94	^ (Caret / Circumflex)
5f	95	_ (Underscore)

60	96	' (Grave Accent)
61	97	a
62	98	b
63	99	c
64	100	d
65	101	e
66	102	f
67	103	g
68	104	h
69	105	i
6a	106	j
6b	107	k
6c	108	l
6d	109	m
6e	110	n
6f	111	o
70	112	p
71	113	q
72	114	r
73	115	s
74	116	t
75	117	u
76	118	v
77	119	w
78	120	x
79	121	y
7a	122	z
7b	123	{ (Left/ Opening Brace)

7c	124	(Vertical Bar)
7d	125	} (Right/Closing Brace)
7e	126	~ (Tilde)
7f	127	DEL (Delete)

Appendix chart



4



5



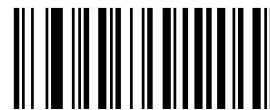
6

7



8

9



A

B



C

D



E

F



Save

Discard

Note: If an error occurs when scanning letters or numbers (before scanning the "Save" barcode), please scan the "Discard" barcode, rescan the correct letters or numbers, and then scan the "Save" barcode