



Xi2000 Series Configuration Guide

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U.S. Default Settings Sequence

- Enter Setup



- Reset Scanner



- Enable Auto-Sense Mode ON



- UPC-A Convert to EAN-13 OFF



- UPC-E Lead Zero ON



Save Changes



Exit Setup without Changes



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Configure Through RS232



List Setting



Page 1



Page 2



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Update

1

Buzzer Settings



< Buzzer Enable >

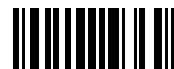


Buzzer Disable

• Buzzer Frequency



8 kHz



2 kHz



< 4 kHz >



1 kHz

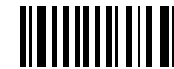
Reading Redundancy Setting



< No Redundancy >



3 Times



2 Times



4 Times



Enter Setup

2

Scan Mode Setting



Auto Off Mode



Auto Power Off Mode



Momentary Mode



< Laser Mode >



Continuous Mode



Alternate Mode



Repeat Mode



Test Mode

Auto-Sense Setting



< Enable >



Disable

Scanner Time-out Duration



*

Programming Instructions : (1) Read the label. (2) Program the desired time-out duration by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.



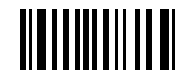
Update

3

Negative Barcode Setting

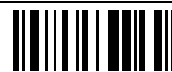


Enable



< Disable >

Delay between Reread



100 ms



200ms



< 400 ms >



800 ms



1 sec



2 sec



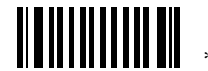
3 sec



5 sec

Keyboard Wedge Parameters

- Activate and Select Keyboard Type



*

Programming Instructions : (1) Read the label. (2) Program the desired keyboard number (shown in the following table) by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.

4



Enter Setup

• Keyboard Table

No.	Keyboard Type
1	PCAT (US)
2	PCAT (French)
3	PCAT (German)
4	PCAT (Italy)
5	PCAT (Swedish)
6	PCAT (Norwegian)
7	PCAT (UK)
8	PCAT (Belgium)
9	PCAT (Spanish)
10	PCAT (Portuguese)
11	PS55 A01-1
12	PS55 A01-2
13	PS55 A01-3
14	PS55 001-1
15	PS55 001-81
16	PS55 001-2
17	PS55 001-82
18	PS55 001-3
19	PS55 001-8A
20	PS55 002-1, 003-1
21	PS55 002-81, 003-81
22	PS55 002-2, 003-2
23	PS55 002-82, 003-82
24	PS55 002-3, 003-3
25	PS55 002-8A, 003-8A
26	IBM 3477 (Japanese)
27	PS2-30
28	IBM 34XX/319X, Memorex Telex 122 Keys

• Keyboard Alphabets Layout



< Default Layout >



QWERTZ



AZERTY

• Keyboard Digits Layout



< Default Layout >



Upper Row



Lower Row

• Keyboard Capital Lock Type



< Default >



Capital Lock



Shift Lock

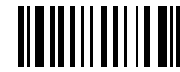
• Capital Lock Setting



Capital Lock ON



Auto Detection



< Capital Lock OFF >



Update

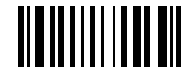
5

6

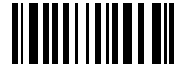


Enter Setup

• Alphabet Transmission



< Case Sensitive >



Ignore Case

• Digits Transmission



< Alphanumeric Key >



Numeric Key

• Alt Composing



Yes



< No >

• Inter-Character Delay



*

Programming Instructions : (1) Read the label. (2) Program the desired inter-character delay by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.

Laptop Support



< Disable >



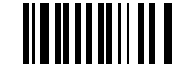
Enable



Update

RS-232 Parameters

• Activate RS232 Interface



• Baud Rate



38400



19200



< 9600 >



4800



2400



1200



300



110

• Parity



Even



Odd



< No Parity >

• Data Bit



< 8 >



7



Enter Setup

• Flow Control (single port only)



< None >



Data Ready



Scanner Ready



INV. Data Ready

• Inter-Character Delay

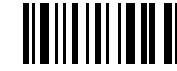


*

Programming Instructions : (1) Read the label. (2) Program the desired inter-character delay by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.

Wand Emulation Parameters

• Activate Wand Emulation



• Normal Status



Hi



< Low >

• Bar Status



< Hi >



Low

• Module Time



250 us



2 ms



500 us



3 ms



< 1 ms >



4 ms



1.5 ms



5 ms



Update



Enter Setup

• Margin Time



5 ms



10 ms



< 20 ms >



30 ms



40 ms



60 ms



80 ms

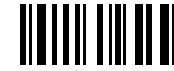


100 ms

Prefix / Postfix Settings



Prefix Code *



Postfix Code *

Character Substitution



Set 1 *



Set 3 *



Set 2 *

Programming Instructions : (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 50. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 50) to complete this setting.

Code ID Selection

• Clear All Code ID Settings



• Select Code ID Set



Set 1



Set 3



Set 5



Set 2



Set 4

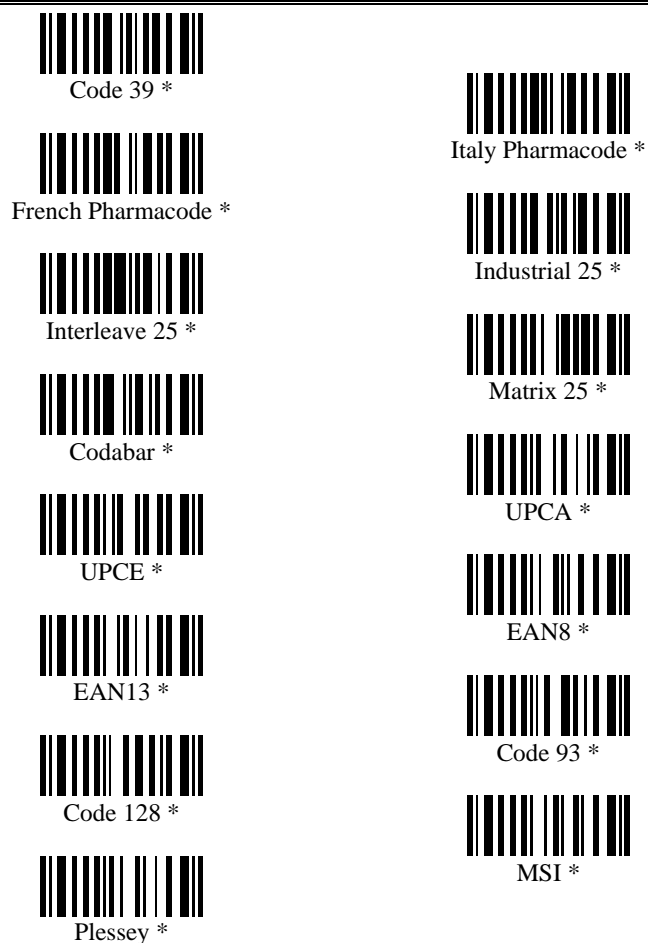


Update



Enter Setup

Code ID Setting

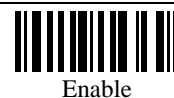


Programming Instructions : (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 50. One character consists of 2 hexadecimal digits. If keyboard interface is used, the associate key type/status can also be specified. The associate key type/status (if specified) must be selected before each character being programmed. (3) Read the “Validate” label (also on page 50) to complete this setting.

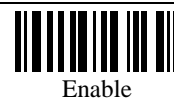


Length Code Setting (2 digits)

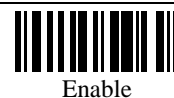
• Code 39 Length Code



• Italy Pharmacode Length Code



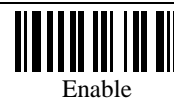
• French Pharmacode Length Code



• Industrial 25 Length Code



• Interleave 25 Length Code



• Matrix 25 Length Code



Enable



< Disable >

• Codabar Length Code



Enable



< Disable >

• UPCA Length Code



Enable



< Disable >

• UPCE Length Code



Enable



< Disable >

• EAN8 Length Code



Enable



< Disable >

• EAN13 Length Code



Enable



< Disable >



Update

• Code 93 Length Code



Enable



< Disable >

• Code 128 Length Code



Enable



< Disable >

• EAN128/RSS Length Code



Enable



< Disable >

• MSI Length Code



Enable



< Disable >

• Plessey Length Code



Enable



< Disable >



Enter Setup

Select Readable Codes

• Code 39



< Enable >



Disable

• Italy Pharmacode



Enable



< Disable >

• French Pharmacode



Enable



< Disable >

• Industrial 25



< Enable >



Disable

• Interleave 25



< Enable >



Disable



Update

17

• Matrix 25



Enable



< Disable >

• Codabar



< Enable >



Disable

• Code 93



< Enable >



Disable

• Code 128



< Enable >



Disable

• EAN128



Enable



< Disable >

• MSI



Enable



< Disable >

18



Enter Setup

• Plessey



Enable



< Disable >

• UPCA



< Enable No Addon >



Disable No Addon



Enable Addon2



< Disable Addon2 >



Enable Addon5



< Disable Addon5 >

• UPCE



< Enable No Addon >



Disable No Addon



Enable Addon2



< Disable Addon2 >



Enable Addon5



< Disable Addon5 >

• EAN8



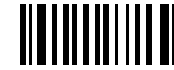
< Enable No Addon >



Disable No Addon



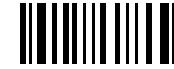
Enable Addon2



< Disable Addon2 >



Enable Addon5

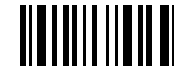


< Disable Addon5 >

• EAN13



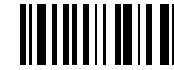
< Enable No Addon >



Disable No Addon



Enable Addon2



< Disable Addon2 >



Enable Addon5



< Disable Addon5 >



Update



Enter Setup

• RSS14



Enable



< Disable >

• RSS Limited



Enable



< Disable >

• RSS Expanded



Enable



< Disable >

Code39 Parameters

• Standard / Full ASCII Code39



< Standard >



Full ASCII

• Start / Stop Transmission



Enable



< Disable >

• Checksum Verification



Enable



< Disable >

• Checksum Transmission



< Enable >



Disable

Italy Pharmacode Parameters

• Checksum Transmission



< Enable >



Disable



Update



Enter Setup

French Pharmacode Parameters

• Checksum Transmission



< Enable >



Disable

Industrial 25 Parameters

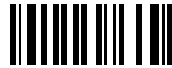
• Start / Stop Selection



< Industrial 25 >



Matrix 25



Interleave 25

• Checksum Verification



Enable



< Disable >

• Checksum Transmission



< Enable >



Disable

• Max / Min Code Length Qualification



Select Max / Min Length Qualification



Max Length *



Min Length *

• Fixed Code Length Qualification



Select Fixed Length Qualification



Fixed Length 1 *



Fixed Length 2 *

Programming Instructions : (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.

Interleave 25 Parameters

• Start / Stop Selection



Industrial 25



Matrix 25



< Interleave 25 >



Update

23

24



Enter Setup

• Checksum Verification



Enable



< Disable >

• Checksum Transmission



< Enable >



Disable

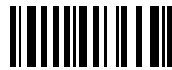
• Max / Min Code Length Qualification



Select Max / Min Length Qualification



Max Length *



Min Length *

Programming Instructions : (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.



Update

25

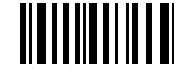
• Fixed Code Length Qualification



Select Fixed Length Qualification



Fixed Length 1 *



Fixed Length 2 *

Programming Instructions : (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.

Matrix 25 Parameters

• Start / Stop Selection



Industrial 25



Interleave 25



< Matrix 25 >

• Checksum Verification



Enable

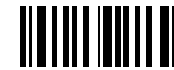


< Disable >

• Checksum Transmission



< Enable >



Disable

26



Enter Setup

• Max / Min Code Length Qualification



Select Max / Min Length Qualification



Max Length *



Min Length *

• Fixed Code Length Qualification



Select Fixed Length Qualification



Fixed Length 1 *



Fixed Length 2 *

Programming Instructions : (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.

Codabar Parameters

• CLSI Conversion



Enable



< Disable >

• Start / Stop Transmission



Enable



< Disable >



Update

• Start / Stop Selection



< abcd / abcd >



ABCD / ABCD



abcd / tn*e



ABCD / TN*E

Plessey Parameters

• Convert to UK Plessey



Enable



< Disable >

• Checksum Transmission



< Enable >



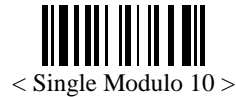
Disable



Enter Setup

MSI Parameters

• Checksum Verification



• Checksum Transmission



• Max / Min Code Length Qualification



Programming Instructions : (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.



• Fixed Code Length Qualification



Programming Instructions : (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.

EAN128 Parameters

• Code ID Transmission



• Field Separator



Programming Instructions : (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 50. One character consists of 2 hexadecimal digits. If keyboard interface is used, the associate key type/status can also be specified. The associate key type/status (if specified) must be selected before each character being programmed. (3) Read the “Validate” label (also on page 50) to complete this setting.



EAN8 Parameters

• Convert to EAN13



Enable



< Disable >

• Checksum Transmission



< Enable >



Disable

UPCA Parameters

• Convert to EAN13



Enable



< Disable >

• System Number Transmission



< Enable >



Disable

• Checksum Transmission



< Enable >



Disable



Update

UPCE Parameters

• System Number Selection



System Number 0 and 1



< System Number 0 only >

• Convert to UPCA



Enable



< Disable >

• System Number Transmission



< Enable >



Disable

• Checksum Transmission



< Enable >



Disable



Enter Setup

EAN13 Parameters

- ISBN Conversion



Enable



< Disable >

- ISSN Conversion



Enable



< Disable >

- Checksum Transmission



< Enable >



Disable

RSS Code ID Selection



JCI



< Je0 >

RSS14 Parameters

- Code ID Transmission



< Enable >



Disable

- Application ID Transmission



< Enable >



Disable

- Checksum Transmission



< Enable >



Disable



Update



Enter Setup

RSS Limited Parameters

• Code ID Transmission



< Enable >



Disable

• Application ID Transmission



< Enable >



Disable

• Checksum Transmission



< Enable >



Disable

RSS Limited Parameters

• Code ID Transmission



< Enable >



Disable

Activate Editing Formats

• Format 1



Enable



< Disable >

• Format 2



Enable



< Disable >

• Format 3



Enable



< Disable >

• Exclusive Data Editing



Yes



< No >



Update

35

36



Enter Setup

Editing Format Parameters

• Format Selection



Format 1



Format 3



Format 2

• Restore Default Format



• Applicable Data Length



Maximum Length *



Minimum Length *

Programming Instructions : (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.

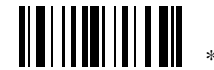
• Matching String of Applicable Data



*

Programming Instructions : (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 50. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 50) to complete this setting.

• Location of Matching String



*

Programming Instructions : (1) Read the label. (2) Program the desired location by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.



Update



End of Format Programming

• Total Number of Fields



1



2



3



4



5

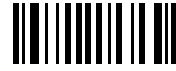


6

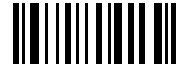
• Applicable Code Type



All



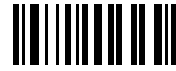
Code 39



French Pharmacode



Interleave 25



Codebar



Code 128



UPCE No Addon



UPCE Addon5



EAN8 Addon2



Clear



Italy Pharmacode



Industrial 25



Matrix 25



Code 93



EAN128 / RSS



UPCE Addon2



EAN8 No Addon



EAN8 Addon5



Update



End of Format Programming



EAN13 No Addon



EAN13 Addon5



UPCA Addon2



MSI



EAN13 Addon2



UPCA No Addon



UPCA Addon5



Plessey

• Field1 Setting

Divide Field by
Field Terminating String



Field Terminating String *

Programming Instructions : (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 50. One character consists of 2 hexadecimal digits. (3) Read the "Validate" label (also on page 50) to complete this setting.



Include Terminating String



Discard Terminating String

Divide Field by Field Length



Field Length *

Programming Instructions : (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 49. (3) Read the "Validate" label (also on page 49) to complete this setting.



Update



End of Format Programming

• Field2 Setting

Divide Field by
Field Terminating String

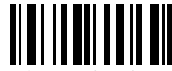


Field Terminating String *

Programming Instructions : (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 50. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 50) to complete this setting.



Include Terminating String



Discard Terminating String

Divide Field by Field Length



Field Length *

Programming Instructions : (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.

• Field3 Setting

Divide Field by
Field Terminating String



Field Terminating String *

Programming Instructions : (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 50. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 50) to complete this setting.



Include Terminating String



Discard Terminating String

Divide Field by Field Length



Field Length *

Programming Instructions : (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.



Update



End of Format Programming

• Field4 Setting

Divide Field by
Field Terminating String

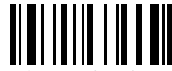


Field Terminating String *

Programming Instructions : (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 50. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 50) to complete this setting.



Include Terminating String



Discard Terminating String

Divide Field by Field Length



Field Length *

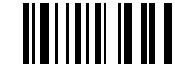
Programming Instructions : (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.



Update

• Field5 Setting

Divide Field by
Field Terminating String



Field Terminating String *

Programming Instructions : (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 50. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 50) to complete this setting.

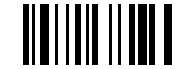


Include Terminating String



Discard Terminating String

Divide Field by Field Length



Field Length *

Programming Instructions : (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 49. (3) Read the “Validate” label (also on page 49) to complete this setting.



End of Format Programming

• Additional Fields Setting



Additional Field 1 *



Additional Field 2 *



Additional Field 3 *



Additional Field 4 *



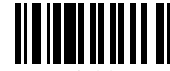
Additional Field 5 *

Programming Instructions : (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 50. One character consists of 2 hexadecimal digits. If keyboard interface is used, the associate key type/status can also be specified. The associate key type/status (if specified) must be selected before each character being programmed. (3) Read the “Validate” label (also on page 50) to complete this setting.

• Field Transmission Sequence



Start



Field 1



Field 2



Field 3



Field 4



Field 5



Field 6



Additional Field 1



Additional Field 2



Additional Field 3



Additional Field 4



Additional Field 5



End

Programming Instructions : (1) Read the “Start” label. (2) Program the desired transmission sequence by reading the Field / Additional Field labels. (3) Read the “End” label to complete this setting.



Update



End of Format Programming

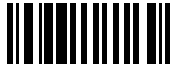
Decimal Digits



0



1



2



3



4



5



6



7



8



9

• Validate



Hexadecimal Digits



0



1



2



3



4



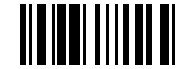
5



6



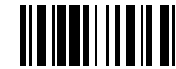
7



8



9



A



B



C



D



E



F

• Validate



Update

49

50



Enter Setup

Key Type



< Normal >



Scan Code

Key Status



Add Shift



Add Alternate (L)



Add Alternate (R)



Add Control (L)



Add Control (R)

KBD Wedge Character Table

	0	1	2	3	4	5	6	7	8
0		F2	SP	0	@	P	`	p	⓪
1	Ins	F3	!	1	A	Q	a	q	①
2	Del	F4	"	2	B	R	b	r	②
3	Home	F5	#	3	C	S	c	s	③
4	End	F6	\$	4	D	T	d	t	④
5	Up	F7	%	5	E	U	e	u	⑤
6	Down	F8	&	6	F	V	f	v	⑥
7	Left	F9	'	7	G	W	g	w	⑦
8	BS	F10	(	8	H	X	h	x	⑧
9	HT	F11	)	9	I	Y	i	y	⑨
A	LF	F12	*	:	J	Z	j	z	
B	Right	ESC	+	;	K	[	k	{	
C	PgUp	Exec	.	<	L	\	l	|	
D	Enter		-	=	M	]	m	}	
E	PgDn		.	>	N	^	n	~	
F	F1		/	?	O	_	o	Dly	Enter*

Dly : Delay 100 ms

Enter* : Enter Key of the Numeric Key Pad

⓪...⑨ : Digits of Numeric Key Pad

RS-232 Character Table

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



Update

51

52



Enter Setup



Update