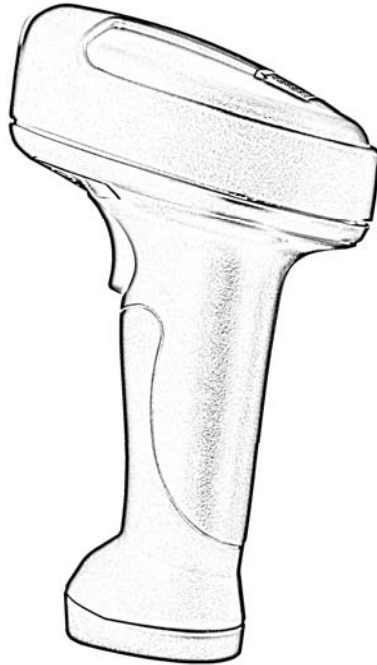


## Xi3000 Bluetooth Wireless Scanners

# Configuration Guide



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## Revision History

<b>Version</b>	<b>Release Date</b>	<b>Notes</b>
V 1.00	Oct. 31, 2005	First release.
V 2.00	Dec.30, 2005	Supports Bluetooth HID. Firmware version: V4.10
V2.10	Jan.18, 2006	1. Updated: <ul style="list-style-type: none"> <li>● Bluetooth HID: The default setting of Capital Lock Setting is changed from Auto Detection to <b>Capital Lock OFF</b>.</li> <li>● Bluetooth HID doesn't support the following functions on PDA for Win CE. <ul style="list-style-type: none"> <li>■ Capital Lock Setting: <b>Auto Detection</b></li> <li>■ Digit Transmission: <b>Numeric Key</b></li> <li>■ <b>Alt Composing</b></li> </ul> </li> </ul> 2. Firmware version: V4.20
V2.11	Jan.27, 2006	Typo: <ol style="list-style-type: none"> <li>1. Baud Rate 19200 instead of 119200 at page 9.</li> <li>2. by reading Decimal Digits at page 52 instead of page 53.</li> <li>3. by reading Hex Decimal Digits at page 53 instead of page 53.</li> </ol>
V2.12	Mar.03, 2006	HID Japanese keyboard added.
V2.13 ~ V2.14	Nov, 06 2006	Same as V2.12
V2.15	Nov, 13 2006	Power Saving added for SPP and HID at page 11 and 13

## Restore Default Settings

---

---



## Exit Setup without Changes

---

---



## Set Connection

---

---



\*

Programming Instructions: (1) Read the label. (2) Read the Serial Number barcode on the bottom of the desired Xi3000 Base Station within 5 seconds to complete this setting.

## RF Auto Shutdown Duration

---

---



\*

Programming Instructions: (1) Read the label. (2) Program the desired auto shutdown duration (in minutes) by reading Decimal Digits on page 52. (3) Read the “Validate” label (also on page 52) to complete this setting.

## Transmit Buffer Setting

---

---



Enable



< Disable >



Update

1

## Memory Mode Parameters

---

---

### • Memory Mode

---



Enable



< Disable >

### • Clear Data

---



Clear



Confirm

### • Send Data

---



### • Memory Data Delay

---



< 0 >



2 sec



250 ms



3 sec



500 ms



5 sec



1 sec



8 sec

2



Enter Setup

## List Setting

---



Page 1



Page 2



Page 3



Page 4



Page 5



Page 6



Page 7



Page 8



Page 9



Page 10

## Buzzer Settings

---



< Buzzer Enable >



Buzzer Disable

### • Buzzer Frequency

---



8 kHz



2 kHz



< 4 kHz >



1 kHz



Update

3

## Reading Redundancy Setting

---



< No Redundancy >



3 Times



2 Times



4 Times

## 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>



Enter Setup

4

## Scanner Time-out Duration



\*

Programming Instructions: (1) Read the label. (2) Program the desired time-out duration by reading Decimal Digits on page 52. (3) Read the “Validate” label (also on page 53) to complete this setting.

## Negative Barcode Setting



Enable



< Disable >

## Delay between Reread



100 ms



200ms



< 400 ms >



800 ms



1 sec



2 sec



3 sec



5 sec



Update

5

## 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 52. (3) Read the “Validate” label (also on page 52) to complete this setting.

### • 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

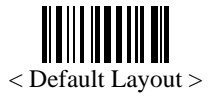


Enter Setup

6

• 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

• Alphabet Transmission

---



< Case Sensitive >



Ignore Case

• Digits Transmission

---



< Alphanumeric Key >



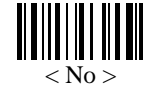
Numeric Key

• 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 52. (3) Read the “Validate” label (also on page 52) to complete this setting.

• Laptop Support

---



<Disable>



Enable



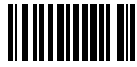
Enter Setup

## RS-232 Parameters

### • Activate RS232 Interface



### • Baud Rate



115200



19200



4800



1200



38400



< 9600 >



2400

### Parity



Even



< No Parity >



Odd

### • Data Bit



< 8 >



7



Update

9

### • 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 52. (3) Read the “Validate” label (also on page 52) to complete this setting.



Enter Setup

10



## Bluetooth Serial Port Parameters

### • Activate Bluetooth Serial Port Interface



### • Device Name Broadcasting



< Yes >



No

### • Authentication



Yes



< No >

### • PIN Code



\*

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 53. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 53) to complete this setting. (4) Max 6 characters for this PIN Code setting.

### • Power Saving



<Enable>



Disable



Update

11

## Bluetooth HID 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 52. (3) Read the “Validate” label (also on page 53) to complete this setting.

### • HID Keyboard Table

No.	Keyboard Type
64	PCAT (US)
65	PCAT (French)
66	PCAT (German)
67	PCAT (Italy)
68	PCAT (Swedish)
69	PCAT (Norwegian)
70	PCAT (UK)
71	PCAT (Belgium)
72	PCAT (Spanish)
73	PCAT (Portuguese)
74	PS55 A01-2 (Japanese)

### • Reset Connection



Please read this label when switching connection from one PC to another and the reconnection is needed.

### • Device Name Broadcasting



< Yes >



No



Enter Setup

12

### • Authentication

---



Yes



< No >

### • PIN Code

---



\*

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 53. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 53) to complete this setting. (4) Max 6 characters for this PIN Code setting.

### • Power Saving

---



<Enable>



Disable

### • Keyboard Alphabets Layout

---



< Default Layout >



QWERTZ



AZERTY

### • Keyboard Digits Layout

---



< Default Layout >



Upper Row



Lower Row

### • Keyboard Capital Lock Type

---



< Default >



Capital Lock



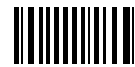
Shift Lock

### • Capital Lock Setting

---



Capital Lock ON



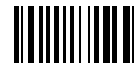
Auto Detection



< Capital Lock OFF >

### • Alphabet Transmission

---



< Case Sensitive >



Ignore Case



Update



Enter Setup

• Digits Transmission



< Alphanumeric Key >



Numeric Key

• Alt Composing



Yes



<No>

Prefix / Postfix Settings



Prefix Code \*



Postfix Code \*

Character Substitution



Set 1 \*



Set 2 \*



Set 3 \*

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 53. One character consists of 2 hexadecimal digits. (3) Read the "Validate" label (also on page 53) to complete this setting.

Code ID Selection

• Clear All Code ID Settings



Update

• Select Code ID Set



Set 1



Set 2



Set 3



Set 4



Set 5

Code ID Setting



Code 39 \*



Italy Pharmacode \*



French Pharmacode \*



Industrial 25 \*



Interleave 25 \*



Matrix 25 \*



Codabar \*



UPCA \*



UPCE \*



EAN8 \*



EAN13 \*



Code 93 \*



Enter Setup

Code 128 \*



Plessey \*



MSI \*



Telepen \*

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 53. One character consists of 2 hexadecimal digits. (3) Read the "Validate" label (also on page 53) to complete this setting.



Update

## Length Code Setting (2 digits)

### • Code 39 Length Code



Enable



< Disable >

### • Italy Pharmacode Length Code



Enable



< Disable >

### • French Pharmacode Length Code



Enable



< Disable >

### • Industrial 25 Length Code



Enable



< Disable >

### • Interleave 25 Length Code



Enable



< Disable >



Enter Setup

• 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 >

• 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 >

• Telepen Length Code



Enable



< Disable >



Update



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

### • Matrix 25

---



Enable



< Disable >

### • Codabar

---



< Enable >



Disable

### • Code 93

---



< Enable >



Disable

### • Code 128

---



< Enable >



Disable

### • EAN128

---



Enable



< Disable >

### • MSI

---



Enable



< Disable >



Update



Enter Setup

• Plessey

---



Enable



< Disable >

• Telepen

---



Enable



< Disable >

• UPCA

---



< Enable No Addon >



Enable Addon2



Enable Addon5



Disable No Addon



< Disable Addon2 >



< Disable Addon5 >

• UPCE

---



< Enable No Addon >



Enable Addon2



Enable Addon5



Disable No Addon



< Disable Addon2 >



< Disable Addon5 >

• EAN8

---



< Enable No Addon >



Enable Addon2



Enable Addon5



Disable No Addon



< Disable Addon2 >



< Disable Addon5 >



Update



Enter Setup

• EAN13



< Enable No Addon >



Enable Addon2



Enable Addon5



Disable No Addon



< Disable Addon2 >



< Disable Addon5 >

• 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

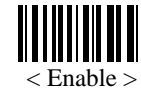


Enable



< 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



Update

27

### • 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 52. (3) Read the “Validate” label (also on page 53) to complete this setting.

## Interleave 25 Parameters

---

### • Start / Stop Selection

---



Industrial 25



Matrix 25



< Interleave 25 >



Enter Setup

28

• 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 52. (3) Read the “Validate” label (also on page 53) to complete this setting.

• 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 52. (3) Read the “Validate” label (also on page 53) to complete this setting.

**Matrix 25 Parameters**

---

• Start / Stop Selection

---



Industrial 25



Interleave 25



< Matrix 25 >

• Checksum Verification

---



Enable



< Disable >

• Checksum Transmission

---



< Enable >



Disable

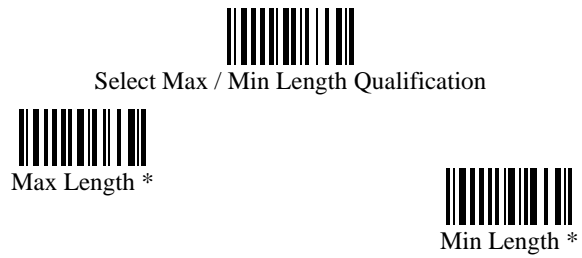


Update

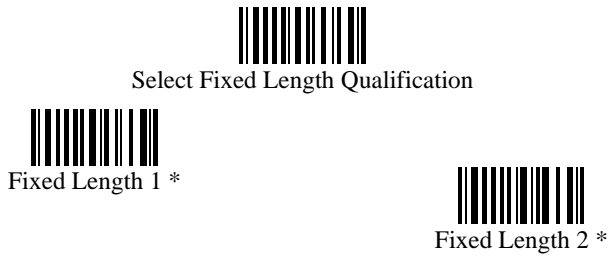


Enter Setup

• Max / Min Code Length Qualification



• Fixed Code Length Qualification



Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 52. (3) Read the “Validate” label (also on page 53) to complete this setting.

**Codabar Parameters**

• CLSI Conversion

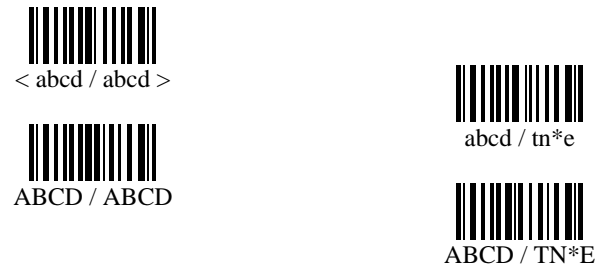


• Start / Stop Transmission



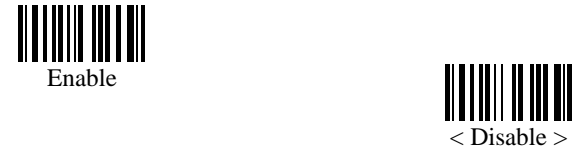
Update

Start / Stop Selection



**Plessey Parameters**

• Convert to UK Plessey



• Checksum Transmission



**Telepen Parameters**

• Telepen Output



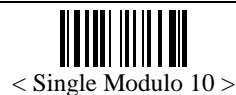
Enter Setup

## 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 52. (3) Read the “Validate” label (also on page 53) 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 52. (3) Read the “Validate” label (also on page 52) 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 53. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 53) 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

35

## 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

---

36



Enter Setup

## EAN13 Parameters

---

---

### • ISBN Conversion

---



Enable



< Disable >

### • ISSN Conversion

---



Enable



< Disable >

### • Checksum Transmission

---



< Enable >



Disable



Update

37

## RSS Code ID Selection

---

---



JCI



< Je0 >

## RSS14 Parameters

---

---

### • Code ID Transmission

---



< Enable >



Disable

### • Application ID Transmission

---



< Enable >



Disable

### • Checksum Transmission

---



< Enable >



Disable

---

38



Enter Setup

## RSS Limited Parameters

---

---

### • Code ID Transmission

---



< Enable >



Disable

### • Application ID Transmission

---



< Enable >



Disable

### • Checksum Transmission

---



< Enable >



Disable

## RSS Expanded 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 >

### • Apply Editing Format to Telepen

---



< Yes >



No



Update



Enter Setup

## Editing Format Parameters

---

### • Format Selection

---



Format 1



Format 3



Format 2

### • Restore Default Format

---



Update

### • Applicable Data Length

---



Maximum Length \*



Minimum Length \*

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 52. (3) Read the “Validate” label (also on page 52) 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 53. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 53) 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 52 (3) Read the “Validate” label (also on page 52) to complete this setting.



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 Addon2



EAN13 Addon5



UPCA No Addon



UPCA Addon2



UPCA Addon5



MSI



Plessey



Update

• 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 53. One character consists of 2 hexadecimal digits. (3) Read the "Validate" label (also on page 53) 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 52. (3) Read the "Validate" label (also on page 52) to complete this setting.



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 53. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 53) 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 52. (3) Read the “Validate” label (also on page 52) 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 53. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 53) 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 52. (3) Read the “Validate” label (also on page 52) 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 53. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 53) 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 on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

• Field5 Setting

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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 53. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 53) 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 52. (3) Read the “Validate” label (also on page 52) to complete this setting.

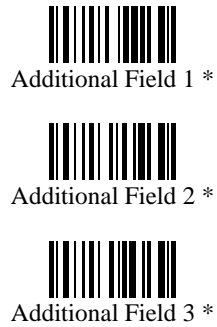


Update



End of Format Programming

• Additional Fields Setting



Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 53. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 53) to complete this setting.

• Field Transmission Sequence



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.



## Decimal Digits



0



1



2



3



4



5



6



7



8



9

• Validate



Update

53

## Hexadecimal Digits



0



1



2



3



4



5



6



7



8



9



A



B



C



D



E



F

• Validate



Enter Setup

54

## 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*

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

55

56



Enter Setup