



PULSAR C
CCD SCANNER
Configuration Manual



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Restore Default Settings



Exit Setup without Changes



Configure Through RS232



List Setting



Page 1



Page 2



Page 3



Page 4



Page 5



Page 6



Page 7



Page 8



Page 9



Page 10



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

Scanner Time-out Duration



*

Programming Instructions: (1) Read the label. (2) Program the desired time-out duration by reading Decimal Digits on page 44. (3) Read the "Validate" label (also on page 44) to complete this setting.

Negative Barcode Setting



Enable



< Disable >



Update

3

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 44. (3) Read the "Validate" label (also on page 44) to complete this setting.



Enter Setup

4

• 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



Enter Setup

• Alphabet Transmission



< Case Sensitive >



Ignore Case

• Digits Transmission



< Alphanumeric Key >

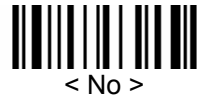


Numeric Key

• 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 44. (3) Read the "Validate" label (also on page 44) to complete this setting.



Update

RS-232 Parameters

• Activate RS232 Interface



• Baud Rate



38400



< 9600 >



2400



300



19200



4800



1200



110

• Parity



Even



< No Parity >



Odd

• 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 44. (3) Read the “Validate” label (also on page 44) to complete this setting.

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 45. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 45) 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

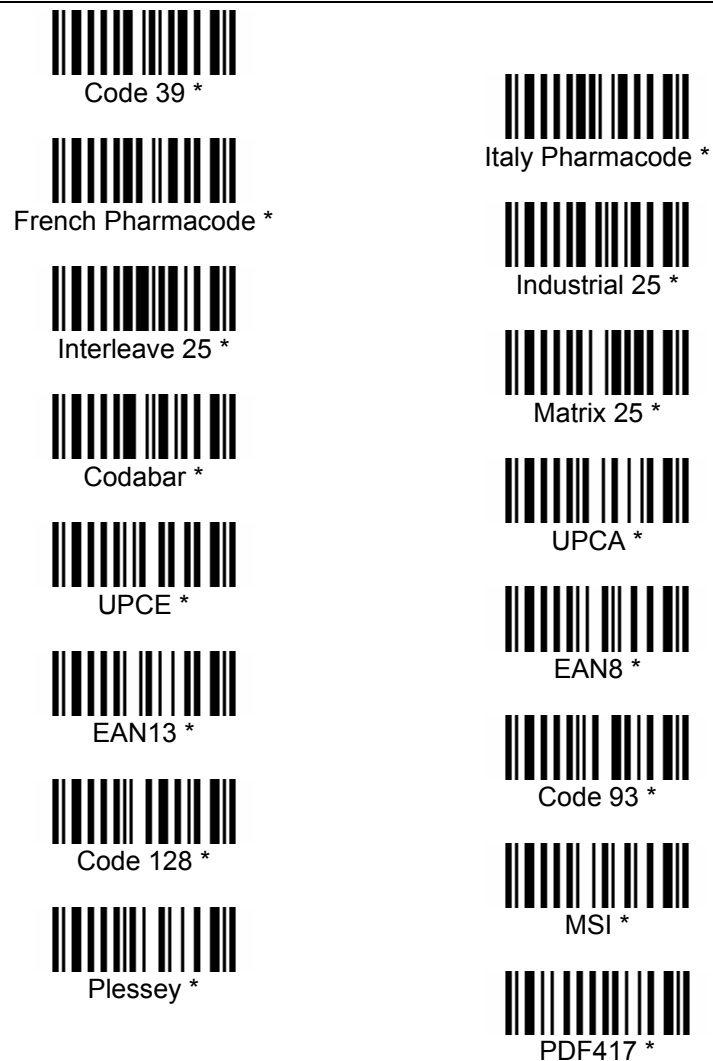


Update



Enter Setup

Code ID Setting



Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 45. 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 45) 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 >

• 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 >



Update

• Code 128 Length Code



Enable



< Disable >

• EAN128 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

15

• Matrix 25



Enable



< Disable >

• Codabar



< Enable >



Disable

• Code 93



< Enable >



Disable

• Code 128



< Enable >



Disable

• EAN128



Enable



< Disable >

• MSI



Enable



< Disable >

16



Enter Setup

• Plessey



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 >

• EAN13



< Enable No Addon >



Enable Addon2



Enable Addon5



Disable No Addon



< Disable Addon2 >



< Disable Addon5 >



Update



Enter Setup

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

French Pharmacode Parameters

• Checksum Transmission



< Enable >



Disable

Industrial 25 Parameters

• Start / Stop Selection



< Industrial 25 >



Interleave 25



Matrix 25

• Checksum Verification



Enable



< Disable >

• Checksum Transmission



< Enable >



Disable



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 44. (3) Read the "Validate" label (also on page 44) to complete this setting.

Interleave 25 Parameters

• Start / Stop Selection



Industrial 25



Matrix 25



< Interleave 25 >



Update

• 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 44. (3) Read the "Validate" label (also on page 44) to complete this setting.



Enter Setup

• 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 44. (3) Read the “Validate” label (also on page 44) 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

• 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 44. (3) Read the “Validate” label (also on page 44) to complete this setting.

Codabar Parameters

• Start / Stop Transmission



Enable



< Disable >



Enter Setup

• 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

MSI Parameters

• Checksum Verification



< Single Modulo 10 >



Modulo 11 & 10



Double Modulo 10

• Checksum Transmission



< Last digit not Transmitted >



Last 2 Digits not Transmitted



Transmitted

• 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 44. (3) Read the "Validate" label (also on page 44) to complete this setting.



Update



Enter Setup

• 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 44. (3) Read the “Validate” label (also on page 44) to complete this setting.

EAN128 Parameters

• Field Separator



Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 45. 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 45) to complete this setting.



Update

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



Enter Setup

UPCE Parameters

• System Number Selection



• Convert to UPCA



• System Number Transmission



• Checksum Transmission



EAN13 Parameters

• ISBN Conversion



• ISSN Conversion



• Checksum Transmission



Activate Editing Formats

• Format 1



Enable



< Disable >

• Format 2



Enable



< Disable >

• Format 3



Enable



< Disable >

• Exclusive Data Editing



Yes



< No >



Update

Editing Format Parameters

• Format Selection



Format 1



Format 2



Format 3

• Restore Default Format



• Applicable Data Length



Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 44. (3) Read the “Validate” label (also on page 44) 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 45. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 45) 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 44. (3) Read the “Validate” label (also on page 44) to complete this setting.

• Total Number of Fields



• 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



UPCE Addon2



EAN8 No Addon



EAN8 Addon5



EAN13 No Addon



EAN13 Addon5



UPCA Addon2



MSI



EAN13 Addon2



UPCA No Addon



UPCA Addon5



Plessey



Update



End of Format Programming

• 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 45. One character consists of 2 hexadecimal digits. (3) Read the "Validate" label (also on page 45) 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 44. (3) Read the "Validate" label (also on page 44) to complete this setting.

• 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 45. One character consists of 2 hexadecimal digits. (3) Read the "Validate" label (also on page 45) 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 44. (3) Read the "Validate" label (also on page 44) 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 45. One character consists of 2 hexadecimal digits. (3) Read the "Validate" label (also on page 45) 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 44. (3) Read the "Validate" label (also on page 44) to complete this setting.

• 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 45. One character consists of 2 hexadecimal digits. (3) Read the "Validate" label (also on page 45) 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 44. (3) Read the "Validate" label (also on page 44) to complete this setting.



Update



End of Format Programming

• 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 45. One character consists of 2 hexadecimal digits. (3) Read the "Validate" label (also on page 45) 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 44. (3) Read the "Validate" label (also on page 44) to complete this setting.

• 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 45. 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 45) to complete this setting.

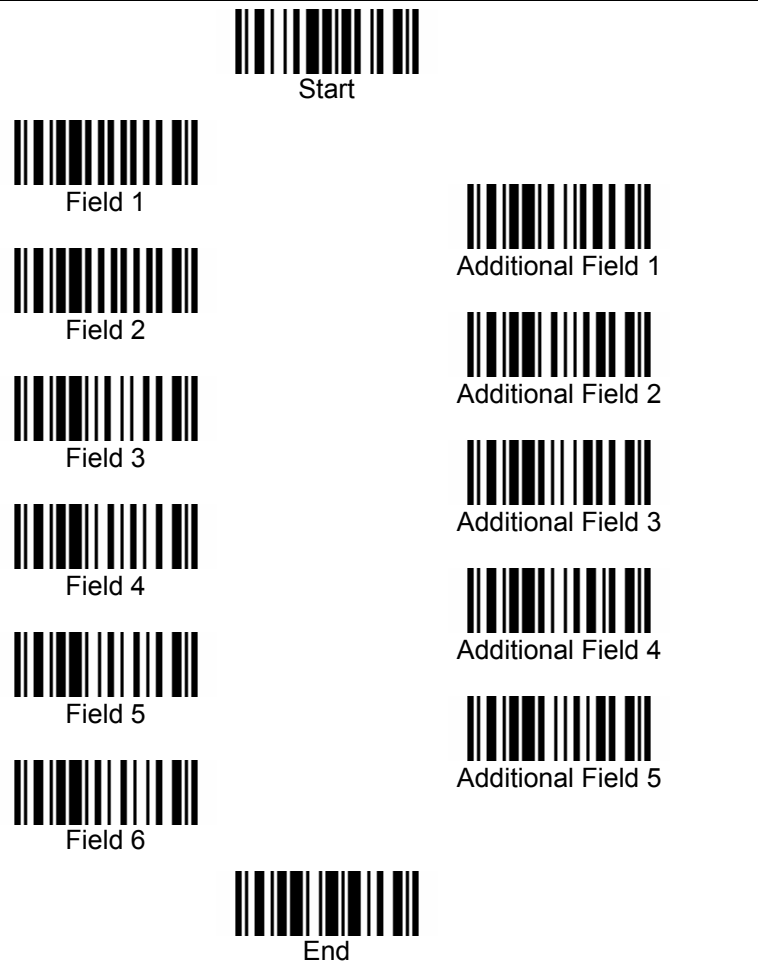


Update



End of Format Programming

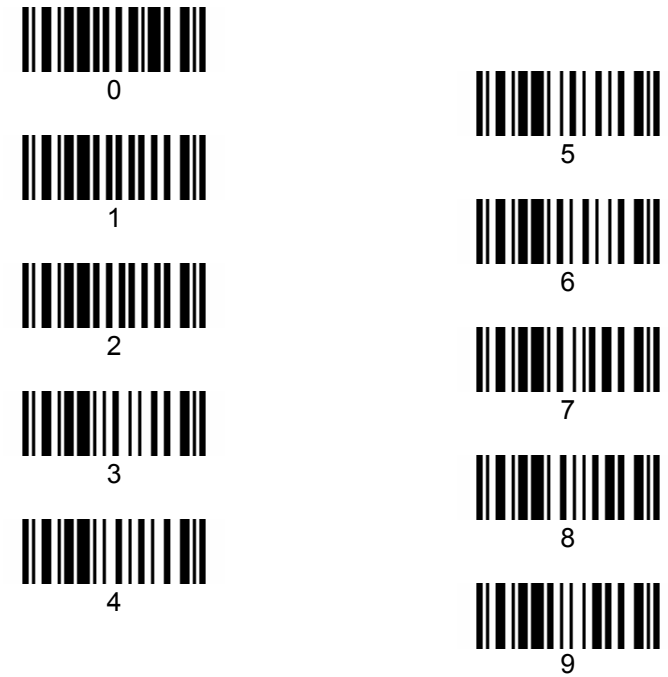
• Field Transmission Sequence



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



• Validate



Hexadecimal Digits



0



1



2



3



4



5



6



7



8



9



A



B



C



D



E



F

• Validate



Update

45

Key Type



< Normal >



Scan Code

Key Status



Add Shift



Add Alternate (L)



Add Alternate (R)



Add Control (L)



Add Control (R)

46



Enter Setup

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

