Scanner Configuration

SmartScan Manual

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RELEASE NOTES

VERSION	DATE	NOTES
2.21	Jan. 02, 2008	Larger setup barcodes
2.20	Nov. 30, 2007	New Word template applied
		‣ New: 3667 Bluetooth Cradle for 1166/1266
		‣ Modified: Auto-Sense mode supported on 1100 only.
		‣ New: Appendix III – Host Serial Commands
		‣ New: Appendix IV – Upgrading Firmware
2.15	Nov.13, 2006	‣ Modified: Add notice for BT SPP and HID power saving – Please disable power saving when connecting more than two 1x66 scanners to Bluetooth dongle.
2.14~	Nov. 06, 2006	‣ New: Bluetooth HID supports Japanese keyboard.
2.12	Mar. 03, 2006	
2.11	Jan.27, 2006	‣ Modified: Typo errors corrected.
2.10	Jan.18, 2006	‣ Modified: Bluetooth HID doesn't support the following functions on PDAs running Windows CE – Capital Lock Setting: Auto Detection, Digit Transmission: Numeric Key, and Alt Composing.
		‣ Modified: The default Capital Lock setting of Bluetooth HID is changed from "Auto Detection" to "Capital Lock Off".
		‣ New: Firmware version V4.20
2.00	Dec. 30, 2005	‣ New: Bluetooth HID supported
		‣ New: Firmware version V4.10
1.00	Oct. 31, 2005	First release

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OVERVIEW

ENTER CONFIGURATION MODE

Serial Command
N/A

Enter Setup

EXIT CONFIGURATION MODE

UPDATE SETTINGS

Serial Command
9999

Update

EXIT WITHOUT CHANGES

Serial Command
9998

Abort

RESTORE DEFAULTS

Serial Command
9993

Restore Defaults

Note: The default value (if there is) for each setting is included in a pair of angle brackets "<>".

Update

LIST CURRENT SETTINGS

`Serial Command 9950`

List settings regarding Interface, Buzzer, and Scanner Parameters

Page 1

`Serial Command 9951`

List settings regarding Prefix, Postfix, and Length Code Setting

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`Serial Command 9952`

List settings regarding Code ID

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`Serial Command 9959`

List settings regarding Editing Format 3

Page 10

`Enter Setup`

BLUETOOTH SETTINGS (1166/1266)

1.1 RF AUTO SHUTDOWN (SUSPEND MODE)

1) Read this label to specify the time interval before the scanner enters suspend mode.

2) Read the "Decimal Value" label on page 57. For example, read "1" and "5" for the scanner to suspend the connection with 3666 after being idle for 15 minutes.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0445

RF Auto Shutdown
after … minutes

1.2 POWER SAVING (SNIFF MODE)

Serial Command
0458

<Enable>

Serial Command
0459

Disable

1.3 TRANSMIT BUFFER SETTING

Serial Command
0386

Enable

Serial Command
0387

<Disable>

1.4 MEMORY MODE

1.4.1 MEMORY MODE

Serial Command
0321

Enable

Serial Command
0320

<Disable>

Update

1.4.2 SEND DATA

Serial Command
9918

||||||||||||||||||||||

Send Data

1.4.3 CLEAR DATA

1) Read the "Clear Data" label to clear the flash memory.

2) Read the "Confirm" label to confirm the action.

Serial Command
9916

||||||||||||||||||||||

Clear Data

Serial Command
9917

||||||||||||||||||||||

Confirm

1.4.4 MEMORY DATA DELAY

Serial Command
0322

||||||||||||||||||||||

<None>

Serial Command
0323

||||||||||||||||||||||

250 ms

Serial Command
0324

||||||||||||||||||||||

500 ms

Serial Command
0325

||||||||||||||||||||||

1 sec

Serial Command
0326

||||||||||||||||||||||

2 sec

Serial Command
0327

||||||||||||||||||||||

3 sec

Serial Command
0328

||||||||||||||||||||||

5 sec

Serial Command
0329

||||||||||||||||||||||

8 sec

||||||||||||||||||||||

Enter Setup

1.5 SET CONNECTION WITH 3666

1) Read this label or the same one at the bottom of the 3666 cradle.

2) Read the "Serial Number" label at the bottom of the cradle within 5 seconds.

3) Proceed to select a desired output interface.

Serial Command

||||||||||||||||||||||||

Set Connection

1.6 SET CONNECTION WITH 3667 OR GENERIC DONGLE

1.6.1 BLUETOOTH SERIAL PORT PARAMETERS

Serial Command
0453

||||||||||||||||||||||||

Activate Bluetooth SPP

DEVICE NAME BROADCASTING

Serial Command 0450		Serial Command 0451	
	<Yes>		No

AUTHENTICATION

Serial Command 0448		Serial Command 0449	
	Yes		<No>

PIN CODE

1) Read this label to specify the PIN code.

2) Read the "Hexadecimal Value" label on page 58 for the desired character string (max. 6 characters are allowed).

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0452

||||||||||||||||||||||||

Enter PIN Code …

5

|||||||||||||||||||||||| Update

1.6.2 BLUETOOTH HID PARAMETERS

1) Read this label to activate Bluetooth HID and select a keyboard type.

2) Read the "Decimal Value" label on page 57. Refer to the table below for the number of desired keyboard type.

3) Read the "Validate" label on the same page to complete this setting.

```
Serial Command
0000
```

Activate & Select
Keyboard Type …

NO.	KEYBOARD TYPE	NO.	KEYBOARD TYPE
64	PCAT (US)	70	PCAT (UK)
65	PCAT (French)	71	PCAT (Belgium)
66	PCAT (German)	72	PCAT (Spanish)
67	PCAT (Italian)	73	PCAT (Portuguese)
68	PCAT (Swedish)	74	PS55 A01-2 (Japanese)
69	PCAT (Norwegian)		

RESET CONNECTION

Read this label when switching connection from one PC to another and re-connection is required.

```
Serial Command
9972
```

Reset Connection

DEVICE NAME BROADCASTING

```
Serial Command          Serial Command
0450                    0451
```

<Yes>   No

AUTHENTICATION

```
Serial Command          Serial Command
0448                    0449
```

Yes   <No>

Enter Setup

PIN CODE

1) Read this label to specify the PIN code.

2) Read the "Hexadecimal Value" label on page 58 for the desired character string (max. 6 characters are allowed).

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0452

Enter PIN Code …

ALPHABETS LAYOUT

Serial Command
0312

<Default Layout>

Serial Command
0313

AZERTY

Serial Command
0314

QWERTZ

DIGITS LAYOUT

Serial Command
0007

<Default Layout>

Serial Command
0008

Upper Row

Serial Command
0009

Lower Row

CAPITAL LOCK TYPE

Serial Command
0010

<Default>

Serial Command
0011

Shift Lock

Serial Command
0012

Capital Lock

7

Update

CAPITAL LOCK SETTING

Serial Command 0002		Serial Command 0003	
	Auto Detection		Capital Lock ON
Serial Command 0004			
	<Capital Lock OFF>		

ALPHABETS TRANSMISSION

Serial Command 0005		Serial Command 0006	
	Ignore Case		<Case-Sensitive>

DIGITS TRANSMISSION

Serial Command 0013		Serial Command 0014	
	Numeric Key		<Alphanumeric Key>

ALT COMPOSING

Serial Command 0335		Serial Command 0334	
	Yes		<No>

Enter Setup

READER SETTINGS

2.1 GOOD READ NOTIFICATION

2.1.1 BUZZER SETTING

Serial Command
0318

<Enable Buzzer>

Serial Command
0319

Disable Buzzer

2.1.2 BUZZER FREQUENCY

Serial Command
0046

8 kHz

Serial Command
0047

<4 kHz>

Serial Command
0048

2 kHz

Serial Command
0049

1 kHz

2.2 READ REDUNDANCY

Serial Command
0201

<No Redundancy>

Serial Command
0202

One Time

Serial Command
0203

Two Times

Serial Command
0204

Three Times

2.3 SCAN MODE

Serial Command
0066

<Auto Off Mode>
(Default for 1000/1090+)

Serial Command
0067

Continuous Mode

Update
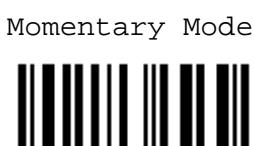
Serial Command 0068	‖‖‖‖‖‖‖	Serial Command 0069	‖‖‖‖‖‖‖
	Auto Power Off Mode		Alternate Mode
Serial Command 0070	‖‖‖‖‖‖‖	Serial Command 0071	‖‖‖‖‖‖‖
	Momentary Mode		Repeat Mode
Serial Command 0072	‖‖‖‖‖‖‖	Serial Command 0073	‖‖‖‖‖‖‖
	<Laser Mode> (Default for 1100/1105/1166/1200/1266)		Test Mode

2.4 AUTO-SENSE MODE (1100 ONLY)

Serial Command 0333	‖‖‖‖‖‖‖	Serial Command 0332	‖‖‖‖‖‖‖
	Enable		<Disable>

2.5 SCANNER TIME-OUT

1) Read this label to specify the time interval before the scan engine times out in Laser, Auto Off, or Auto Power Off mode.

2) Read the "Decimal Value" label on page 57. For example, read "1" and "0" for the scanner to automatically shut down after being idle for 10 seconds.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0207

‖‖‖‖‖‖‖

Scanner Time-Out
after … seconds

2.6 DELAY BETWEEN RE-READ

Serial Command 0336	‖‖‖‖‖‖‖	Serial Command 0337	‖‖‖‖‖‖‖
	100 ms		200 ms

‖‖‖‖‖‖‖ Enter Setup

Serial Command
0338

<400 ms>

Serial Command
0339

800 ms

Serial Command
0340

1 sec

Serial Command
0341

2 sec

Serial Command
0342

3 sec

Serial Command
0343

5 sec

2.7 NEGATIVE BARCODE SETTING

Serial Command
0199

Enable

Serial Command
0200

<Disable>

Update

Enter Setup

OUTPUT INTERFACES

3.1 KEYBOARD WEDGE PARAMETERS

3.1.1 ACTIVATE AND SELECT KEYBOARD TYPE

1) Read this label to activate Keyboard Wedge and select a keyboard type.

2) Read the "Decimal Value" label on page 57. Refer to the table below for the number of desired keyboard type.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0000

Activate & Select
Keyboard Type …

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

Update

3.1.2 ALPHABETS LAYOUT

Serial Command
0312

<Default Layout>

Serial Command
0313

AZERTY

Serial Command
0314

QWERTZ

3.1.3 DIGITS LAYOUT

Serial Command
0007

<Default Layout>

Serial Command
0008

Upper Row

Serial Command
0009

Lower Row

3.1.4 CAPITAL LOCK TYPE

Serial Command
0010

<Default>

Serial Command
0011

Shift Lock

Serial Command
0012

Capital Lock

3.1.5 CAPITAL LOCK SETTING

Serial Command
0002

Auto Detection

Serial Command
0003

Capital Lock ON

Serial Command
0004

<Capital Lock OFF>

Enter Setup

3.1.6 ALPHABETS TRANSMISSION

Serial Command
0005

Ignore Case

Serial Command
0006

<Case-Sensitive>

3.1.7 DIGITS TRANSMISSION

Serial Command
0013

Numeric Key

Serial Command
0014

<Alphanumeric
Key>

3.1.8 ALT COMPOSING

Serial Command
0335

Yes

Serial Command
0334

<No>

3.1.9 INTER-CHARACTER DELAY

1) Read this label to specify the inter-character delay.

2) Read the "Decimal Value" label on page 57 for the desired inter-character delay (millisecond).

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0015

Inter-Character
Delay …

3.1.10 LAPTOP SUPPORT

Serial Command
0389

Enable

Serial Command
0388

<Disable>

Update

3.2 RS-232 PARAMETERS

3.2.1 ACTIVATE RS-232 INTERFACE

Serial Command
0001

Activate RS-232
Interface

3.2.2 BAUD RATE

Serial Command
0023

115200 bps

Serial Command
0016

38400 bps

Serial Command
0017

19200 bps

Serial Command
0018

<9600 bps>

Serial Command
0019

4800 bps

Serial Command
0020

2400 bps

Serial Command
0021

1200 bps

Serial Command
0022

600 bps
(for 1200 only)

3.2.3 PARITY

Serial Command
0028

<No Parity>

Serial Command
0029

Even

Serial Command
0030

Odd

Enter Setup

3.2.4 DATA BITS

```
Serial Command
0034
```
‖‖‖‖‖‖‖‖

<8 bits>

```
Serial Command
0035
```
‖‖‖‖‖‖‖‖

7 bits

3.2.5 FLOW CONTROL

```
Serial Command
0042
```
‖‖‖‖‖‖‖‖

<None>

```
Serial Command
0043
```
‖‖‖‖‖‖‖‖

Scanner Ready

```
Serial Command
0044
```
‖‖‖‖‖‖‖‖

Data Ready

```
Serial Command
0045
```
‖‖‖‖‖‖‖‖

Invert Data Ready

3.2.6 INTER-CHARACTER DELAY

1) Read this label to specify the inter-character delay.

2) Read the "Decimal Value" label on page 57 for the desired inter-character delay (millisecond).

3) Read the "Validate" label on the same page to complete this setting.

```
Serial Command
0015
```
‖‖‖‖‖‖‖‖

Inter-Character Delay …

‖‖‖‖‖‖‖‖
Update

3.3 WAND EMULATION PARAMETERS (1090+/1100/1105/1200)

3.3.1 ACTIVATE WAND EMULATION

Serial Command
0306

Activate Wand
Emulation

3.3.2 NORMAL STATE

Serial Command
0302

High

Serial Command
0303

<Low>

3.3.3 BAR STATE

Serial Command
0304

<High>

Serial Command
0305

Low

3.3.4 MODULE TIME

Serial Command
0362

250 µs

Serial Command
0363

500 µs

Serial Command
0364

<1 ms>

Serial Command
0365

1.5 ms

Serial Command
0366

2 ms

Serial Command
0367

3 ms

Serial Command
0368

4 ms

Serial Command
0369

5 ms

Enter Setup

3.3.5 MARGIN TIME

Serial Command
0370

5 ms

Serial Command
0371

10 ms

Serial Command
0372

<20 ms>

Serial Command
0373

30 ms

Serial Command
0374

40 ms

Serial Command
0375

60 ms

Serial Command
0376

80 ms

Serial Command
0377

100 ms

Update

Enter Setup

SYMBOLOGY SETTINGS

4.1 SELECT READABLE BARCODES

CODABAR

Serial Command 0086		Serial Command 0087	
	\<Enable\>		Disable

CODE 39

Serial Command 0074		Serial Command 0075	
	\<Enable\>		Disable

CODE 93

Serial Command 0088		Serial Command 0089	
	\<Enable\>		Disable

CODE 128

Serial Command 0090		Serial Command 0091	
	\<Enable\>		Disable

EAN-128

Serial Command 0104		Serial Command 0105	
	Enable		\<Disable\>

EAN-13

Serial Command 0106		Serial Command 0107	
	\<Enable No Addon\>		Disable No Addon

Update

Serial Command 0108

‖‖‖‖‖‖‖‖‖

Enable Addon 2

Serial Command 0109

‖‖‖‖‖‖‖‖‖

<Disable Addon 2>

Serial Command 0110

‖‖‖‖‖‖‖‖‖

Enable Addon 5

Serial Command 0111

‖‖‖‖‖‖‖‖‖

<Disable Addon 5>

EAN-8

Serial Command 0098

‖‖‖‖‖‖‖‖‖

<Enable No Addon>

Serial Command 0099

‖‖‖‖‖‖‖‖‖

Disable No Addon

Serial Command 0100

‖‖‖‖‖‖‖‖‖

Enable Addon 2

Serial Command 0101

‖‖‖‖‖‖‖‖‖

<Disable Addon 2>

Serial Command 0102

‖‖‖‖‖‖‖‖‖

Enable Addon 5

Serial Command 0103

‖‖‖‖‖‖‖‖‖

<Disable Addon 5>

FRENCH PHARMACODE

Serial Command 0078

‖‖‖‖‖‖‖‖‖

Enable

Serial Command 0079

‖‖‖‖‖‖‖‖‖

<Disable>

ITALIAN PHARMACODE

Serial Command 0076

‖‖‖‖‖‖‖‖‖

Enable

Serial Command 0077

‖‖‖‖‖‖‖‖‖

<Disable>

INDUSTRIAL 25

Serial Command 0080

‖‖‖‖‖‖‖‖‖

<Enable>

Serial Command 0081

‖‖‖‖‖‖‖‖‖

Disable

‖‖‖‖‖‖‖‖‖

Enter Setup

INTERLEAVED 25

Serial Command 0082		Serial Command 0083	
	‖‖‖‖‖‖‖‖‖‖		‖‖‖‖‖‖‖‖‖‖
	<Enable>		Disable

MATRIX 25

Serial Command 0084		Serial Command 0085	
	‖‖‖‖‖‖‖‖‖‖		‖‖‖‖‖‖‖‖‖‖
	Enable		<Disable>

MSI

Serial Command 0112		Serial Command 0113	
	‖‖‖‖‖‖‖‖‖‖		‖‖‖‖‖‖‖‖‖‖
	Enable		<Disable>

PLESSEY

Serial Command 0114		Serial Command 0115	
	‖‖‖‖‖‖‖‖‖‖		‖‖‖‖‖‖‖‖‖‖
	Enable		<Disable>

RSS-14 & EXPANDED

Serial Command 0412		Serial Command 413	
	‖‖‖‖‖‖‖‖‖‖		‖‖‖‖‖‖‖‖‖‖
	Enable RSS-14 & RSS Expanded		<Disable Both>

RSS LIMITED

Serial Command 0414		Serial Command 0415	
	‖‖‖‖‖‖‖‖‖‖		‖‖‖‖‖‖‖‖‖‖
	Enable		<Disable>

TELEPEN

Serial Command 0436		Serial Command 0437	
	‖‖‖‖‖‖‖‖‖‖		‖‖‖‖‖‖‖‖‖‖
	Enable		<Disable>

23

‖‖‖‖‖‖‖‖‖‖ Update

UPC-A

Serial Command 0291	‖‖‖‖‖‖‖	Serial Command 0292	‖‖‖‖‖‖‖
	<Enable No Addon>		Disable No Addon
Serial Command 0293	‖‖‖‖‖‖‖	Serial Command 0294	‖‖‖‖‖‖‖
	Enable Addon 2		<Disable Addon 2>
Serial Command 0295	‖‖‖‖‖‖‖	Serial Command 0296	‖‖‖‖‖‖‖
	Enable Addon 5		<Disable Addon 5>

UPC-E

Serial Command 0092	‖‖‖‖‖‖‖	Serial Command 0093	‖‖‖‖‖‖‖
	<Enable No Addon>		Disable No Addon
Serial Command 0094	‖‖‖‖‖‖‖	Serial Command 0095	‖‖‖‖‖‖‖
	Enable Addon 2		<Disable Addon 2>
Serial Command 0096	‖‖‖‖‖‖‖	Serial Command 0097	‖‖‖‖‖‖‖
	Enable Addon 5		<Disable Addon 5>

‖‖‖‖‖‖‖‖‖‖‖   Enter Setup

4.2 CODABAR PARAMETERS

Serial Command
0086

<Enable>

Serial Command
0087

Disable

START / STOP CHARACTERS SELECTION

Serial Command
0151

<abcd/abcd>

Serial Command
0152

abcd/tn*e

Serial Command
0153

ABCD/ABCD

Serial Command
0154

ABCD/TN*E

START / STOP TRANSMISSION

Serial Command
0155

Enable

Serial Command
0156

<Disable>

CLSI CONVERSION

Serial Command
0157

Enable

Serial Command
0158

<Disable>

Update

4.3 CODE 25 PARAMETERS

4.3.1 INDUSTRIAL 25

Serial Command
0080

<Enable>

Serial Command
0081

Disable

START / STOP PATTERN SELECTION

Serial Command
0130

<Industrial 25>

Serial Command
0131

Interleaved 25

Serial Command
0132

Matrix 25

CHECKSUM VERIFICATION

Serial Command
0139

Enable

Serial Command
0140

<Disable>

CHECKSUM TRANSMISSION

Serial Command
0141

<Enable>

Serial Command
0142

Disable

CODE LENGTH QUALIFICATION

1) Read the label to enable either Max. /Min. length qualification or fixed length qualification.

2) Read the labels for Max. /Min or fixed length separately.

3) Read the "Decimal Value" label on page 57 for the desired inter-character delay (millisecond).

4) Read the "Validate" label on the same page to complete this setting.

Serial Command
0208

Enable Max./Min. Length …

Enter Setup

Serial Command
0210

Max. Length

Serial Command
0211

Min. Length

Serial Command
0209

Enable Fixed Length …

Serial Command
0210

Fixed Length 1

Serial Command
0211

Fixed Length 2

4.3.2 INTERLEAVED 25

Serial Command
0082

<Enable>

Serial Command
0083

Disable

START / STOP PATTERN SELECTION

Serial Command
0133

Industrial 25

Serial Command
0134

<Interleaved 25>

Serial Command
0135

Matrix 25

CHECKSUM VERIFICATION

Serial Command
0143

Enable

Serial Command
0144

<Disable>

CHECKSUM TRANSMISSION

Serial Command
0145

<Enable>

Serial Command
0146

Disable

Update

CODE LENGTH QUALIFICATION

1) Read the label to enable either Max. /Min. length qualification or fixed length qualification.

2) Read the labels for Max. /Min or fixed length separately.

3) Read the "Decimal Value" label on page 57 for the desired inter-character delay (millisecond).

4) Read the "Validate" label on the same page to complete this setting.

Serial Command
0212

‖‖‖‖‖‖‖‖‖‖

Enable Max./Min. Length …

| Serial Command 0214 | ‖‖‖‖‖‖‖‖‖‖ | Serial Command 0215 | ‖‖‖‖‖‖‖‖‖‖ |
| | Max. Length | | Min. Length |

Serial Command
0213

‖‖‖‖‖‖‖‖‖‖

Enable Fixed Length …

| Serial Command 0214 | ‖‖‖‖‖‖‖‖‖‖ | Serial Command 0215 | ‖‖‖‖‖‖‖‖‖‖ |
| | Fixed Length 1 | | Fixed Length 2 |

4.3.3 MATRIX 25

| Serial Command 0084 | ‖‖‖‖‖‖‖‖‖‖ | Serial Command 0085 | ‖‖‖‖‖‖‖‖‖‖ |
| | Enable | | <Disable> |

START / STOP PATTERN SELECTION

| Serial Command 0136 | ‖‖‖‖‖‖‖‖‖‖ | Serial Command 0137 | ‖‖‖‖‖‖‖‖‖‖ |
| | Industrial 25 | | Interleaved 25 |

Serial Command
0138

‖‖‖‖‖‖‖‖‖‖

<Matrix 25>

‖‖‖‖‖‖‖‖‖‖‖‖

Enter Setup

CHECKSUM VERIFICATION

Serial Command
0147

Enable

Serial Command
0148

<Disable>

CHECKSUM TRANSMISSION

Serial Command
0149

<Enable>

Serial Command
0150

Disable

CODE LENGTH QUALIFICATION

1) Read the label to enable either Max. /Min. length qualification or fixed length qualification.

2) Read the labels for Max. /Min or fixed length separately.

3) Read the "Decimal Value" label on page 57 for the desired inter-character delay (millisecond).

4) Read the "Validate" label on the same page to complete this setting.

Serial Command
0216

Enable Max./Min. Length …

Serial Command
0218

Max. Length

Serial Command
0219

Min. Length

Serial Command
0217

Enable Fixed Length …

Serial Command
0218

Fixed Length 1

Serial Command
0219

Fixed Length 2

Update

4.4 CODE 39 PARAMETERS

Serial Command
0074

<Enable>

Serial Command
0075

Disable

START / STOP TRANSMISSION

Serial Command
0116

Enable

Serial Command
0117

<Disable>

CHECKSUM VERIFICATION

Serial Command
0118

Enable

Serial Command
0119

<Disable>

CHECKSUM TRANSMISSION

Serial Command
0120

<Enable>

Serial Command
0121

Disable

STANDARD / FULL ASCII CODE 39

Serial Command
0122

Full ASCII

Serial Command
0123

<Standard>

4.5 CODE 93 PARAMETERS

Serial Command
0088

<Enable>

Serial Command
0089

Disable

4.6 CODE 128 PARAMETERS

Serial Command
0090

<Enable>

Serial Command
0091

Disable

Enter Setup

4.7 EAN-8 PARAMETERS

Serial Command 0098

<Enable No Addon>

Serial Command 0099

Disable No Addon

Serial Command 0100

Enable Addon 2

Serial Command 0101

<Disable Addon 2>

Serial Command 0102

Enable Addon 5

Serial Command 0103

<Disable Addon 5>

CONVERT TO EAN-13

Serial Command 0195

Enable

Serial Command 0196

<Disable>

CHECKSUM TRANSMISSION

Serial Command 0187

<Enable>

Serial Command 0188

Disable

Update

4.8 EAN-13 PARAMETERS

Serial Command
0106

<Enable No Addon>

Serial Command
0107

Disable No Addon

Serial Command
0108

Enable Addon 2

Serial Command
0109

<Disable Addon 2>

Serial Command
0110

Enable Addon 5

Serial Command
0111

<Disable Addon 5>

ISBN CONVERSION

Serial Command
0179

Enable

Serial Command
0180

<Disable>

ISSN CONVERSION

Serial Command
0181

Enable

Serial Command
0182

<Disable>

CHECKSUM TRANSMISSION

Serial Command
0189

<Enable>

Serial Command
0190

Disable

Enter Setup

4.9 EAN-128 PARAMETERS

Serial Command
0104

Enable

Serial Command
0105

<Disable>

CODE ID TRANSMISSION

Serial Command
0434

Enable

Serial Command
0435

<Disable>

FIELD SEPARATOR

Serial Command
0301

Enable Field Separator …

1) Read this label to enable field separator.

2) Read the "Hexadecimal Value" label on page 58 for the desired character string.

3) Read the "Validate" label on the same page to complete this setting.

Update

4.10 MSI PARAMETERS

Serial Command
0112

Enable

Serial Command
0113

<Disable>

CHECKSUM VERIFICATION

Serial Command
0167

<Single Modulo 10>

Serial Command
0168

Double Modulo 10

Serial Command
0169

Modulo 10 & 11

CHECKSUM TRANSMISSION

Serial Command
0170

<Last Digit Not
Transmitted>

Serial Command
0171

Both Digits
Transmitted

Serial Command
0172

Both Digits Not
Transmitted

CODE LENGTH QUALIFICATION

1) Read the label to enable either Max. /Min. length qualification or fixed length qualification.

2) Read the labels for Max. /Min or fixed length separately.

3) Read the "Decimal Value" label on page 57 for the desired inter-character delay (millisecond).

4) Read the "Validate" label on the same page to complete this setting.

Serial Command
0220

Enable Max./Min. Length …

Enter Setup

Serial Command
0222

Max. Length

Serial Command
0223

Min. Length

Serial Command
0221

Enable Fixed Length …

Serial Command
0222

Fixed Length 1

Serial Command
0223

Fixed Length 2

Update

4.11 PHARMACODE PARAMETERS

4.11.1 FRENCH PHARMACODE

Serial Command 0078		Serial Command 0079	
	Enable		<Disable>

CHECKSUM TRANSMISSION

Serial Command 0128		Serial Command 0129	
	<Enable>		Disable

4.11.2 ITALIAN PHARMACODE

Serial Command 0076		Serial Command 0077	
	Enable		<Disable>

CHECKSUM TRANSMISSION

Serial Command 0126		Serial Command 0127	
	<Enable>		Disable

Enter Setup

4.12 PLESSEY PARAMETERS

Serial Command
0114

Enable

Serial Command
0115

<Disable>

CONVERT TO UK PLESSEY

Serial Command
0165

Enable

Serial Command
0166

<Disable>

CHECKSUM TRANSMISSION

Serial Command
0163

<Enable>

Serial Command
0164

Disable

Update

4.13 RSS FAMILY PARAMETERS

CODE ID SELECTION

Serial Command 0432		Serial Command 0433	
	]C1		<]e0>

4.13.1 RSS-14

Serial Command 0412		Serial Command 413	
	Enable RSS-14 & RSS Expanded		<Disable Both>

CODE ID TRANSMISSION

Serial Command 0418		Serial Command 0419	
	<Enable>		Disable

APPLICATION ID TRANSMISSION

Serial Command 0424		Serial Command 0425	
	<Enable>		Disable

CHECKSUM TRANSMISSION

Serial Command 0428		Serial Command 0429	
	<Enable>		Disable

4.13.2 RSS LIMITED

Serial Command 0414		Serial Command 0415	
	Enable		<Disable>

Enter Setup

CODE ID TRANSMISSION

Serial Command 0420		Serial Command 0421	
	\<Enable\>		Disable

APPLICATION ID TRANSMISSION

Serial Command 0426		Serial Command 0427	
	\<Enable\>		Disable

CHECKSUM TRANSMISSION

Serial Command 0430		Serial Command 0431	
	\<Enable\>		Disable

4.13.3 RSS EXPANDED

Serial Command 0412		Serial Command 413	
	Enable RSS-14 & RSS Expanded		\<Disable Both\>

CODE ID TRANSMISSION

Serial Command 0422		Serial Command 0423	
	\<Enable\>		Disable

Update

4.14 TELEPEN PARAMETERS

Serial Command
0436

Enable

Serial Command
0437

<Disable>

TELEPEN OUTPUT

Serial Command
0440

Original Telepen
(Numeric)

Serial Command
0441

<AIM Telepen>

APPLY ALL 3 EDITING FORMATS

Serial Command
0443

<Apply All to Telepen>

Serial Command
0444

Disable All

Enter Setup

4.15 UPC-A PARAMETERS

Serial Command
0291

<Enable No Addon>

Serial Command
0292

Disable No Addon

Serial Command
0293

Enable Addon 2

Serial Command
0294

<Disable Addon 2>

Serial Command
0295

Enable Addon 5

Serial Command
0296

<Disable Addon 5>

CONVERT TO EAN-13

Serial Command
0177

<Enable>

Serial Command
0178

Disable

SYSTEM NUMBER TRANSMISSION

Serial Command
0193

<Enable>

Serial Command
0194

Disable

CHECKSUM TRANSMISSION

Serial Command
0185

<Enable>

Serial Command
0186

Disable

Update

4.16 UPC-E PARAMETERS

Serial Command
0092

<Enable No Addon>

Serial Command
0093

Disable No Addon

Serial Command
0094

Enable Addon 2

Serial Command
0095

<Disable Addon 2>

Serial Command
0096

Enable Addon 5

Serial Command
0097

<Disable Addon 5>

SYSTEM NUMBER SELECTION

Serial Command
0287

System Number 0 & 1

Serial Command
0288

<System Number 0
Only>

CONVERT TO UPC-A

Serial Command
0175

Enable

Serial Command
0176

<Disable>

SYSTEM NUMBER TRANSMISSION

Serial Command
0191

Enable

Serial Command
0192

<Disable>

CHECKSUM TRANSMISSION

Serial Command
0183

<Enable>

Serial Command
0184

Disable

Enter Setup

DATA OUTPUT FORMAT

5.1 CHARACTER SUBSTITUTION

1) Read the label to enable either character substitution by set.

2) Read the "Hexadecimal Value" label on page 58 for the desired character string. For example, read "3", "0", "2" and "D" for the scanner to replace the character [0] with a dash [-].

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0309

Set 1

Serial Command
0310

Set 2

Serial Command
0311

Set 3

5.2 PREFIX/SUFFIX SETTING

1) Read the label to apply prefix code or suffix code separately.

2) Read the "Hexadecimal Value" label on page 58 for the desired character string. For example, read "2" and "B" for the scanner to prefix or suffix the character [+].

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0273

Prefix Code

Serial Command
0274

Suffix Code

5.3 CODE ID SETTING

5.3.1 CLEAR CODE ID SETTINGS

Serial Command
9960

Clear All Code ID
Settings

Update

5.3.2 SELECT PRE-DEFINED CODE ID

Serial Command
9961

‖‖‖‖‖‖‖

Code ID Set 1

Serial Command
9962

‖‖‖‖‖‖‖

Code ID Set 2

Serial Command
9963

‖‖‖‖‖‖‖

Code ID Set 3

Serial Command
9964

‖‖‖‖‖‖‖

Code ID Set 4

Serial Command
9965

‖‖‖‖‖‖‖

Code ID Set 5

5.3.3 CHANGE CODE ID

1) Read the label of a specific symbology to change its code ID.

2) Read the "Hexadecimal Value" label on page 58 for the desired character string. For example, read "4" and "4" for applying the character [D] for Code ID.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0262

‖‖‖‖‖‖‖

Codabar

Serial Command
0256

‖‖‖‖‖‖‖

Code 39

Serial Command
0263

‖‖‖‖‖‖‖

Code 93

Serial Command
0264

‖‖‖‖‖‖‖

Code 128

Serial Command
0266

‖‖‖‖‖‖‖

EAN-8

Serial Command
0267

‖‖‖‖‖‖‖

EAN-13

Serial Command
0258

‖‖‖‖‖‖‖

French Pharmacode

Serial Command
0257

‖‖‖‖‖‖‖

Italian Pharmacode

Serial Command
0259

‖‖‖‖‖‖‖

Industrial 25

Serial Command
0260

‖‖‖‖‖‖‖

Interleaved 25

‖‖‖‖‖‖‖ Enter Setup

Serial Command 0261

Matrix 25

Serial Command 0268

MSI

Serial Command 0269

Plessey

Serial Command 0442

Telepen

Serial Command 0270

UPC-A

Serial Command 0265

UPC-E

5.4 LENGTH CODE SETTING

CODABAR

Serial Command 0236		Serial Command 0237	
	Enable Length Code		<Disable Length Code>

CODE 39

Serial Command 0224		Serial Command 0225	
	Enable Length Code		<Disable Length Code>

CODE 93

Serial Command 0238		Serial Command 0239	
	Enable Length Code		<Disable Length Code>

CODE 128

Serial Command 0240		Serial Command 0241	
	Enable Length Code		<Disable Length Code>

EAN-128 & RSS FAMILY

Serial Command 0299		Serial Command 0300	
	Enable Length Code		<Disable Length Code>

Update

EAN-8

Serial Command
0244

Enable Length Code

Serial Command
0245

<Disable Length Code>

EAN-13

Serial Command
0246

Enable Length Code

Serial Command
0247

<Disable Length Code>

FRENCH PHARMACODE

Serial Command
0228

Enable Length Code

Serial Command
0229

<Disable Length Code>

ITALIAN PHARMACODE

Serial Command
0226

Enable Length Code

Serial Command
0227

<Disable Length Code>

INDUSTRIAL 25

Serial Command
0230

Enable Length Code

Serial Command
0231

<Disable Length Code>

INTERLEAVED 25

Serial Command
0232

Enable Length Code

Serial Command
0233

<Disable Length Code>

MATRIX 25

Serial Command
0234

Enable Length Code

Serial Command
0235

<Disable Length Code>

Enter Setup

MSI

Serial Command 0248		Serial Command 0249	
	Enable Length Code		<Disable Length Code>

PLESSEY

Serial Command 0250		Serial Command 0251	
	Enable Length Code		<Disable Length Code>

TELEPEN

Serial Command 0438		Serial Command 0439	
	Enable Length Code		<Disable Length Code>

UPC-A

Serial Command 0289		Serial Command 0290	
	Enable Length Code		<Disable Length Code>

UPC-E

Serial Command 0242		Serial Command 0243	
	Enable Length Code		<Disable Length Code>

Update

Enter Setup

DATA EDITING

6.1 FORMAT SELECTION

6.1.1 ACTIVATE EDITING FORMATS

FORMAT 1

Serial Command
0281

Enable Editing Format 1

Serial Command
0282

<Disable Editing Format 1>

FORMAT 2

Serial Command
0283

Enable Editing Format 2

Serial Command
0284

<Disable Editing Format 2>

FORMAT 3

Serial Command
0285

Enable Editing Format 3

Serial Command
0286

<Disable Editing Format 3>

APPLY ALL 3 EDITING FORMATS TO TELEPEN

Serial Command
0443

<Apply All to Telepen>

Serial Command
0444

Disable All

6.1.2 EXCLUSIVE DATA EDITING

Serial Command
0279

Reject Non-conforming Data

Serial Command
0280

<Normal>

Update

6.2 EDITING FORMAT PARAMETERS

6.2.1 SELECT FORMAT TO CONFIGURE

START FORMAT PROGRAMMING

Serial Command
9981

Configure Format 1

Serial Command
9982

Configure Format 2

Serial Command
9983

Configure Format 3

END FORMAT PROGRAMMING

Serial Command
9980

End Format Programming

6.2.2 RESTORE DEFAULT FORMAT

Serial Command
9990

Restore Default Format

6.2.3 DEFINE DATA CRITERIA

APPLICABLE CODE TYPE

Serial Command
9992

<Apply to All Code Types>

Serial Command
9991

Clear All

Serial Command
0512

Codabar

Serial Command
0500

Code 39

Serial Command
0514
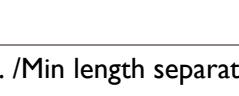
Code 93

Serial Command
0516

Code 128

End Format Programming

Serial Command 0524	‖‖‖ barcode ‖‖‖	Serial Command 0526	‖‖‖ barcode ‖‖‖
	EAN-8 No Addon		EAN-8 Addon 2
Serial Command 0528	‖‖‖ barcode ‖‖‖	Serial Command 0532	‖‖‖ barcode ‖‖‖
	EAN-8 Addon 5		EAN-13 No Addon
Serial Command 0534	‖‖‖ barcode ‖‖‖	Serial Command 0536	‖‖‖ barcode ‖‖‖
	EAN-13 Addon 2		EAN-13 Addon 5
Serial Command 0590	‖‖‖ barcode ‖‖‖	Serial Command 0504	‖‖‖ barcode ‖‖‖
	EAN-128 / RSS		French Pharmacode
Serial Command 0502	‖‖‖ barcode ‖‖‖	Serial Command 0506	‖‖‖ barcode ‖‖‖
	Italian Pharmacode		Industrial 25
Serial Command 0508	‖‖‖ barcode ‖‖‖	Serial Command 0510	‖‖‖ barcode ‖‖‖
	Interleaved 25		Matrix 25
Serial Command 0538	‖‖‖ barcode ‖‖‖	Serial Command 0540	‖‖‖ barcode ‖‖‖
	MSI		Plessey
Serial Command 0584	‖‖‖ barcode ‖‖‖	Serial Command 0586	‖‖‖ barcode ‖‖‖
	UPC-A No Addon		UPC-A Addon 2
Serial Command 0588	‖‖‖ barcode ‖‖‖	Serial Command 0518	‖‖‖ barcode ‖‖‖
	UPC-A Addon 5		UPC-E No Addon
Serial Command 0520	‖‖‖ barcode ‖‖‖	Serial Command 0522	‖‖‖ barcode ‖‖‖
	UPC-E Addon 2		UPC-E Addon 5

DATA LENGTH

1) Read the labels for Max. /Min length separately.

‖‖‖ barcode ‖‖‖ Update

2) Read the "Decimal Value" label on page 57 for the desired length.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0548

Max. Length

Serial Command
0549

Min. Length

MATCHING STRING

1) Read the label to specify a matching string.

2) Read the "Hexadecimal Value" label on page 58 for the desired character string.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0550

Matching String …

LOCATION OF MATCHING STRING

1) Read the label to specify the location of the matching string.

2) Read the "Decimal Value" label on page 57 for the desired location.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0551

Location of Matching String …

6.2.4 DIVIDE DATA INTO FIELDS

TOTAL NUMBER OF FIELDS

Serial Command
0578

<One Field>

Serial Command
0579

Two Fields

Serial Command
0580

Three Fields

Serial Command
0581

Four Fields

Serial Command
0582

Five Fields

Serial Command
0583

Six Fields

End Format Programming

FIELD 1 SETTING

1) Read the label to divide field by a specified terminating string.

2) Read the "Hexadecimal Value" label on page 58 for the desired character string.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0555

Select Field Terminating String …

Serial Command
0552

Serial Command
0553

Include String   Discard String

1) Read the label to divide field by field length.

2) Read the "Decimal Value" label on page 57 for the desired field length.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0554

Divide Field by Field Length …

FIELD 2 SETTING

1) Read the label to divide field by a specified terminating string.

2) Read the "Hexadecimal Value" label on page 58 for the desired character string.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0559

Select Field Terminating String …

Serial Command
0556

Serial Command
0557

Include String   Discard String

1) Read the label to divide field by field length.

2) Read the "Decimal Value" label on page 57 for the desired field length.

3) Read the "Validate" label on the same page to complete this setting.

Update

Serial Command
0558

Divide Field by Field Length …

FIELD 3 SETTING

1) Read the label to divide field by a specified terminating string.

2) Read the "Hexadecimal Value" label on page 58 for the desired character string.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0563

Select Field Terminating String …

Serial Command
0560

Include String

Serial Command
0561

Discard String

1) Read the label to divide field by field length.

2) Read the the "Decimal Value" label on page 57 for the desired field length.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0562

Divide Field by Field Length …

FIELD 4 SETTING

1) Read the label to divide field by a specified terminating string.

2) Read the "Hexadecimal Value" label on page 58 for the desired character string.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0567

Select Field Terminating String …

Serial Command
0564

Include String

Serial Command
0565

Discard String

1) Read the label to divide field by field length.

2) Read the "Decimal Value" label on page 57 for the desired field length.

End Format Programming

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0566

Divide Field by Field Length …

FIELD 5 SETTING

1) Read the label to divide field by a specified terminating string.

2) Read the "Hexadecimal Value" label on page 58 for the desired character string.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0571

Select Field Terminating String …

Serial Command
0568

Include String

Serial Command
0569

Discard String

1) Read the label to divide field by field length.

2) Read the "Decimal Value" label on page 57 for the desired field length.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0570

Divide Field by Field Length …

6.2.5 ADDITIONAL FIELDS

1) Read the label to specify an additional field, one at a time.

2) Read the "Hexadecimal Value" label on page 58 for the desired additional field.

3) Read the "Validate" label on the same page to complete this setting.

Serial Command
0572

Additional Field 1…

Serial Command
0573

Additional Field 2…

Serial Command
0574

Additional Field 3…

Serial Command
0575

Additional Field 4…

Update

Serial Command
0576

Additional Field 5…

6.2.6 FIELD TRANSMISSION SEQUENCE

1) Read the "Start" label to begin with programming the field transmission sequence.

2) Program the transmission sequence by reading the desired fields as well as additional fields.

3) Read the "End" label on the same page to complete this setting.

Serial Command
0577

Start (Programming) …

Serial Command
9901

Field 1

Serial Command
9902

Field 2

Serial Command
9903

Field 3

Serial Command
9904

Field 4

Serial Command
9905

Field 5

Serial Command
9906

Field 6
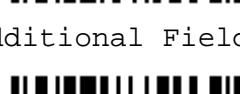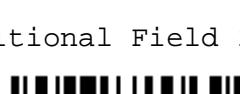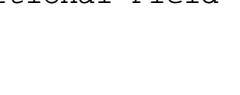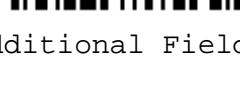
Serial Command
9907

Additional Field 1

Serial Command
9908

Additional Field 2

Serial Command
9909
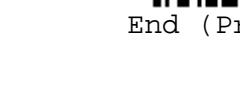
Additional Field 3

Serial Command
9910

Additional Field 4

Serial Command
9911

Additional Field 5

Serial Command
9994

End (Programming)

End Format Programming

NUMERAL SYSTEMS

DECIMAL SYSTEM

DECIMAL

Serial Command
9900

0

Serial Command
9901

1

Serial Command
9902

2

Serial Command
9903

3

Serial Command
9904

4

Serial Command
9905

5

Serial Command
9906

6

Serial Command
9907

7

Serial Command
9908

8

Serial Command
9909

9

VALIDATE THE VALUES

Serial Command
9994

Validate

Update

HEXADECIMAL SYSTEM

HEXADECIMAL

Serial Command 9900	‖‖‖‖‖‖‖‖ 0	Serial Command 9901	‖‖‖‖‖‖‖‖ 1
Serial Command 9902	‖‖‖‖‖‖‖‖ 2	Serial Command 9903	‖‖‖‖‖‖‖‖ 3
Serial Command 9904	‖‖‖‖‖‖‖‖ 4	Serial Command 9905	‖‖‖‖‖‖‖‖ 5
Serial Command 9906	‖‖‖‖‖‖‖‖ 6	Serial Command 9907	‖‖‖‖‖‖‖‖ 7
Serial Command 9908	‖‖‖‖‖‖‖‖ 8	Serial Command 9909	‖‖‖‖‖‖‖‖ 9
Serial Command 9910	‖‖‖‖‖‖‖‖ A	Serial Command 9911	‖‖‖‖‖‖‖‖ B
Serial Command 9912	‖‖‖‖‖‖‖‖ C	Serial Command 9913	‖‖‖‖‖‖‖‖ D
Serial Command 9914	‖‖‖‖‖‖‖‖ E	Serial Command 9915	‖‖‖‖‖‖‖‖ F

VALIDATE THE VALUES

Serial Command 9994

‖‖‖‖‖‖‖‖

Validate

‖‖‖‖‖‖‖‖

Enter Setup

KEYBOARD WEDGE TABLE & ASCII TABLE

KEYBOARD WEDGE TABLE

	0	I	2	3	4	5	6	7	8
0		F2	SP	0	@	P	`	p	⓪
I	INS	F3	!	I	A	Q	a	q	①
2	DLT	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	CR	CR*	-	=	M	]	m	}	
E	PgDn		.	>	N	^	n	~	
F	F1		/	?	O	_	o	Dly	ENTER*

Note: (1) ⓪~⑨: Digits of numeric keypad.
(2) CR*/Send/ENTER*: ENTER key on the numeric keypad.

KEY TYPE

Serial Command
9926

<Normal>

Serial Command
9936

Scan Code

Note: If "Keyboard Wedge" is configured for interface, Key Type and Key Status will then become applicable.

KEY STATUS

Serial Command
9930

Add Shift

Serial Command
9931

Add Left Ctrl

Serial Command
9932

Add Left Alt

Serial Command
9933

Add Right Ctrl

Serial Command
9934

Add Right Alt

Note: Decide whether or not to apply Key Status when "Normal Key" is selected for Key Type.

ASCII TABLE

	0	1	2	3	4	5	6	7
0		DLE	SP	0	@	P	`	p
I	SOH	DC1	!	I	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

Appendix III

## HOST SERIAL COMMANDS

#@nnnn<CR>

Purpose	To configure the scanner.
Remarks	nnnn – the four digits of command parameters. For example, "9952" is to list the current Code ID settings.

```
Serial Command
9952
```


Page 3

"0x23" + "0x40" + "0x39" + "0x39" + "0x35" + "0x32" + "0x0d"

#@ - - - -<CR>

Purpose	To halt the scanner.
Remarks	"0x23" + "0x40" + "0x2d" + "0x2d" + "0x2d" + "0x2d" + "0x0d"

#@ . . . .<CR>

Purpose	To resume operation.
Remarks	"0x23" + "0x40" + "0x2e" + "0x2e" + "0x2e" + "0x2e" + "0x0d"

#@////<CR>

Purpose	To respond with a beep.
Remarks	"0x23" + "0x40" + "0x2f" + "0x2f" + "0x2f" + "0x2f" + "0x0d"

EXAMPLE

Send the serial commands via RS-232 interface or Bluetooth SPP. For example, run HyperTerminal on the host computer.

▶ For the scanner to change the buzzer frequency to 2 kHz and beep –

```
#@0048<CR>
#@////<CR>
```

▶ For the scanner to change the buzzer frequency to 8 kHz and beep –

```
#@0046<CR>
#@////<CR>
```

▸ For the scanner to change the buzzer frequency to 4 kHz and beep –

#@0047<CR>

#@////<CR>

▸ For the scanner to change the buzzer frequency to 1 kHz and beep –

#@0049<CR>

#@////<CR>

UPGRADING FIRMWARE

HOW TO UPGRADE 1166/1266 FIRMWARE

You can only upgrade firmware of one scanner at a time. You must remove the battery of each of the rest scanners when there is more than one scanner connected to your computer, either via (1) the **3666** cradle or (2) the **3667** cradle or any generic Bluetooth dongle.

Note: In case it fails downloading due to low battery, make sure the targe scanner is loaded with a fully charged battery.

USING 3666

1)   Connect the power supply cord from the **3666** cradle to a proper power outlet.

2)   Connect the serial cable between the **3666** cradle and your computer via the RS-232 port.

3)   Refer to section 1.5 for the target scanner to set connection with the **3666** cradle.

Read the "Set Connection" label first, and then the "Serial Number" label within 5 seconds.

Both labels can be located at the bottom of the cradle.

4)   Read the following labels in sequence to configure the scanner to use RS-232 as output interface.

Enter Setup

Activate RS-232 Interface

115200 bps

Update

5)   Read the following labels in sequence for the scanner to enter the download mode.

The scanner will respond with beeps to indicate it is ready for downloading.

‖‖‖ ‖‖ ‖‖‖‖ ‖‖ ‖‖‖‖‖‖ ‖‖‖ ‖‖ Enter Setup

‖‖‖‖‖‖ ‖‖‖ ‖‖ Download

6) Run the download utility "ProLoad.exe" or "Download.exe" on your computer.

(Download.exe requires version 2.3 or later!)

Open the firmware update "1x66-xx.shx", and select the correct COM port.

- ‣ Baud rate   – 115,200 bps
- ‣ Data bit   – 8
- ‣ Parity   – None
- ‣ Flow control   – None

7) The scanner will automatically restart itself when upgrading firmware is completed successfully.

USING 3667 OR GENERIC DONGLE

1) Connect the 3667 cradle or any Bluetooth dongle to your computer via the USB port.

2) Refer to section 1.6.1 for the target scanner to establish a connection with your computer via the 3667 cradle or a dongle.

Read the following labels in sequence to configure the scanner to use Bluetooth Serial Port as output interface.

‖‖‖ ‖‖ ‖‖‖‖ ‖‖‖ ‖‖ ‖‖‖‖‖‖ ‖‖‖ ‖‖ Enter Setup

‖‖‖‖ ‖‖‖‖‖‖ ‖‖ ‖ Activate Bluetooth SPP (and read labels for PIN code…)

‖‖ ‖‖‖‖‖‖ ‖‖ ‖‖ Update

3) Same as steps 5 ~ 7 above.

HOW TO UPGRADE 3666 FIRMWARE

1) Connect the power supply cord from the 3666 cradle to a proper power outlet.

2) Connect the serial cable between the 3666 cradle and your computer via the RS-232 port.

3) Refer to section 1.5 for a scanner to set connection with the 3666 cradle.

   Read the "Set Connection" label first, and then the "Serial Number" label within 5 seconds.

   Both labels can be located at the bottom of the cradle.

4) Read the following labels in sequence for the 3666 cradle to enter the download mode.

   The LED of the cradle will be flashing red and green to indicate it is ready for downloading.

   Enter Setup

   3666 Download

5) Run the download utility "ProgLoad.exe" or "Download.exe" on your computer.

   (Download.exe requires version 2.3 or later!)

   Open the firmware update "3666*.shx", and select the correct COM port.

   ‣ Baud rate   – 38,400 bps
   ‣ Data bit   – 8
   ‣ Parity   – None
   ‣ Flow control   – None

6) The 3666 cradle will automatically restart itself when upgrading firmware is completed successfully.

7) Read the "Update" label for the scanner to resume its operation (exit the configuration mode).

   Update

FIND OUT FIRMWARE VERSION OF 3666

1) Connect the power supply cord from the 3666 cradle to a proper power outlet.

2) Connect the serial cable between the 3666 cradle and your computer via the RS-232 port.

3) Refer to section 1.5 for a scanner to set connection with the 3666 cradle.

   Read the "Set Connection" label first, and then the "Serial Number" label within 5 seconds.

   Both labels can be located at the bottom of the cradle.

4) If RS-232 is selected for output interface, run "HypterTerminal" and read the following labels in sequence for the scanner to get the firmware version of the 3666 cradle.

If Keyboard Wedge or USB HID is selected for output interface, run "WordPad" instead.

Enter Setup

Version

5) The current version information of the 3666 cradle will be displayed. For example,

Version = V1.06 Oct 01 2003

SN: SW3000014

6) Read the "Update" label for the scanner to resume its operation (exit the configuration mode).

Update