
CCD

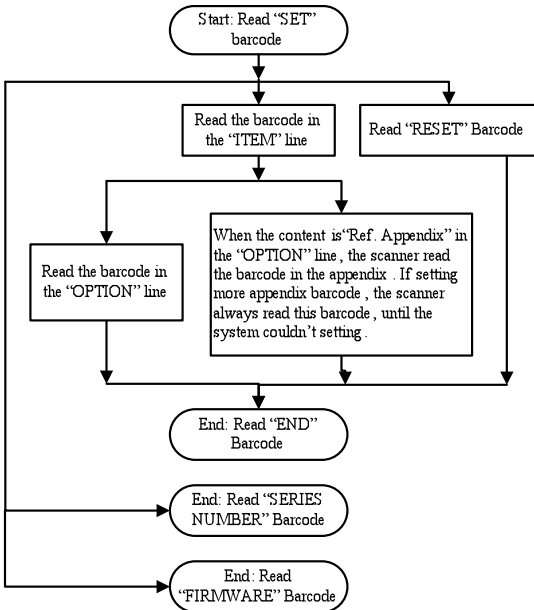
Barcode Scanner

**User's
Manual**

Version 1.05

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PROGRAM PROCEDURE USING SCANNER MENUS:



1. System Information

1.1 Restore default

The reading of the “RESET” label turns all the parameters back to default values.



RESET

1.2 Show firmware version

The reading of the “FIRMWARE VERSION” label will be shown firmware version



FIRMWARE

1.3 Show series number

The reading of the “SERIES NUMBER” label will be show series number.



SERIES NUMBER









2. System Setup








2.1 Interface selection

There are three kinds of different interfaces to be chosen now.

The scanner remains in the last interface type when the scanner is reset.

ITEM	OPTION
 <p>INTERFACE</p>	 <p>* KEYBOARD /USB</p>
	 <p>RS-232</p>
	 <p>WAND</p>

Choose the appropriate type of keyboard emulation by scanning the labels under the following labels.










ITEM	OPTION
 <p data-bbox="177 1057 392 1084">SYSTEM TYPE</p>	 <p data-bbox="536 653 881 684">*PC AT, PS/2 50 60 70 80</p>
	 <p data-bbox="660 815 754 842">PC XT</p>
	 <p data-bbox="643 973 771 1001">IBM5550</p>
	 <p data-bbox="596 1132 820 1159">Apple Macintosh</p>
	 <p data-bbox="638 1290 779 1317">NEC 9800</p>
	 <p data-bbox="627 1448 789 1476">ACER 7300</p>













END



SET

ITEM	OPTION
 <p data-bbox="211 1051 397 1117">LANGUAGE SELECTION</p>	 <p data-bbox="667 524 760 553">* USA</p>
	 <p data-bbox="687 682 739 711">UK</p>
	 <p data-bbox="650 840 777 869">Germany</p>
	 <p data-bbox="667 999 760 1028">French</p>
	 <p data-bbox="660 1157 766 1186">Spanish</p>
	 <p data-bbox="671 1315 756 1344">Italian</p>
	 <p data-bbox="673 1472 754 1501">Swiss</p>
	 <p data-bbox="673 1632 787 1661">Swedish</p>










ITEM	OPTION
 KEYBOARD OPTION	 *AUTOMATISM
	 NUM LOCK ON
	 NUM LOCK OFF
	 CAPS LOCK ON
	 CAPS LOCK OFF
 MESSAGE TERMINATOR (for KB)	 None
	 *Enter
	 Tab














END



SET

ITEM	OPTION
 BAUD RATE (For RS-232)	 1200 bps
	 2400 bps
	 4800 bps
	 *9600 bps
	 19200 bps
	 57600bps
	 DATA BIT (For RS-232)
 *8 Bit	

ITEM	OPTION
 <p>STOP BIT (For RS-232)</p>	 <p>*1Bit</p>
	 <p>2Bit</p>
 <p>CHECK SET (For RS-232)</p>	 <p>*None</p>
	 <p>EVEN CHECK</p>
	 <p>ODD CHECK</p>
 <p>HANDSHAKING SELECTION (For RS-232)</p>	 <p>*None</p>
	 <p>RTS/CTS</p>
	 <p>XON/XOFF</p>













END



SET

ITEM	OPTION
<p data-bbox="180 935 394 1039">MESSAGE TERMINATOR (For RS-232)</p>	<p data-bbox="671 535 743 566">None</p>
	<p data-bbox="681 689 785 720">*CR/LF</p>
	<p data-bbox="684 846 733 877">CR</p>
	<p data-bbox="687 1002 730 1033">LF</p>
	<p data-bbox="667 1159 751 1190">H Tab</p>
	<p data-bbox="650 1315 785 1346">STX/ETX</p>
	<p data-bbox="677 1472 739 1503">EOT</p>

ITEM	OPTION
 <p data-bbox="155 627 414 655">DATA DURATION</p>	 <p data-bbox="652 391 735 418">*0 ms</p>
	 <p data-bbox="652 546 725 573">10ms</p>
	 <p data-bbox="652 700 725 728">50ms</p>
	 <p data-bbox="652 855 740 882">100ms</p>
 <p data-bbox="176 1264 372 1292">CHARACTER</p>	 <p data-bbox="678 1010 735 1037">*0 s</p>
	 <p data-bbox="683 1164 740 1192">0.5s</p>
	 <p data-bbox="699 1319 730 1346">1s</p>
	 <p data-bbox="699 1474 730 1501">5s</p>



END



2.2 Scanning mode selection

Trigger mode:

The scanner becomes inactive as soon as the data is transmitted. It must be triggered to become active again.

Auto scan mode:

The scanner is always on, put the barcode before the scan line, decode just one time. Decode again only when change barcode. If decode the same barcode once more, put it on the scan line, then scan works the second time.

Alternate mode:

When press the scanner trigger switch once, this scanner will light up. Simultaneously, The scanner decoded only once when put the barcode on the scan line. If put the barcode on the scan line again, the scanner decoded again. Then, the scanner will turn off for next pressing.

Repeat mode:








This mode is similar to Auto scan mode, but double reading for the same barcode is prohibited if the scanner switch is pressed.

Testing mode:

The scanner is always on. All the while, the scanner decoded and transmitted the data when the barcode is put on scan line.

Turbo trigger mode:

When the trigger is pressed, the scanner decoded sequentially.

ITEM	OPTION
 SCANNING MODE SELECTION	 *Trigger mode
	 Auto scan mode
	 Alternate mode
	 Repeat mode
	 Testing mode
	 Testing mode













END



SET





2.3 Beeper selection

ITEM	OPTION
 BEEPER TONE	 Low
	 Very low
	 *Medium
	 High
 BEEPER SOUND DURATION	 Disable
	 Short
	 *Medium
	 Long

2.4 Header and Trailer

This option allows you to append a header and/or a trailer to every message transmitted via the serial ports or the keyboard port. There is no restriction in selecting header or trailer characters as far as the sum of the lengths of header and trailer is not greater than 10 digits.

1. Select either header or trailer you are going to program by scanning the corresponding label
2. Scan the character you want from the enclosed ASCII table to set as header or trailer.

ITEM	OPTION
 HEADER	 * None
	Ref. Appendix
 TRAILER	 * None
	Ref. Appendix

3. Read the “SET” label to set your choice into memory.














END














SET

3. Barcode parameters setting

3.1 UPC-A

ITEM	OPTION
 READABLE	 Disable
	 *Enable
 IDENTIFIER CODE	 *Disable
	Ref. Appendix
 TRANSMITTING CHECK DIGIT	 Disable
	 *Enable
 CUT FRONT	 Disable
	 *Enable

3.2 UPC-E CONTROL












ITEM	OPTION
 READABLE	 Disable
	 *Enable
 IDENTIFIER CODE	 *Disable
	Ref. Appendix
 TRANSMITTING CHECK DIGIT	 Disable
	 *Enable
 CUT FRONT	 Disable
	 *Enable











END



3.3 EAN-13 CONTROL

ITEM	OPTION
 READABLE	 Disable
	 *Enable
 IDENTIFIER CODE	 *Disable
	Ref. Appendix
 TRANSMITTING CHECK DIGIT	 Disable
	 *Enable
 TRANSFER TO ISBN/ISSN	 *Disable
	 Enable

3.4 EAN-8 CONTROL

ITEM	OPTION
 READABLE	 Disable
	 *Enable
 IDENTIFIER CODE	 *Disable
	Ref. Appendix
 TRANSMITTING CHECK DIGIT	 Disable
	 *Enable









END





SET












3.5 UPC/EAN CONVERSION

ITEM	OPTION
 <p data-bbox="159 566 428 629">UPC-A TO EAN-13 CONVERSION</p>	 <p data-bbox="653 566 764 593">*Disable</p>
	 <p data-bbox="664 722 754 749">Enable</p>
 <p data-bbox="159 917 412 980">UPC-E TO UPC-A CONVERSION</p>	 <p data-bbox="653 877 764 904">*Disable</p>
	 <p data-bbox="674 1033 764 1061">Enable</p>

3.6 UPC/EAN ADDED CODE

ITEM	OPTION
 <p data-bbox="180 1550 391 1577">ADDED CODE</p>	 <p data-bbox="664 1477 754 1505">*None</p>
	 <p data-bbox="640 1632 781 1659">*2 or 5 Bit</p>

3.7 Code 39 Control















ITEM	OPTION
 <p>READABLE</p>	 <p>Disable</p>
	 <p>*Enable</p>
 <p>IDENTIFIER CODE</p>	 <p>*Disable</p>
	<p>Ref. Appendix</p>
 <p>CALCULATING</p>	 <p>*Disable</p>
	 <p>Enable</p>
 <p>CONCATENATION</p>	 <p>*Disable</p>
	 <p>Enable</p>














END



SET

ITEM	OPTION
 PARAMETERS	 * Standard Code 39
	 Full Code 39
 START/STOP CHARACTER TRANSMISSION	 *Disable
	 Enable
 MIN	 0
	Ref. Appendix (0~64) (*0)
 MAX.	 0
	Ref. Appendix (0~64)(*64)
 CUT FRONT	 0
	*Ref. Appendix
 CUT BACK	 0
	*Ref. Appendix

3.8 Coda Bar Control












ITEM	OPTION
 <p>READABLE</p>	 <p>Disable</p>
	 <p>*Enable</p>
 <p>IDENTIFIER CODE</p>	 <p>*Disable</p>
	<p>Ref. Appendix</p>
 <p>CALCULATING</p>	 <p>*Disable</p>
	 <p>Enable</p>
 <p>TRANSMITTING CHECK DIGIT</p>	 <p>*Disable</p>
	 <p>Enable</p>







END



SET

ITEM	OPTION
 START/STOP CHARACTER TYPE	 *ABCD/ABCD
	 abcd/abcd
	 abcd/tn*e
 START/STOP CHARACTER TRANSMISSION	 *Disable
	 Enable
 MIN	 0 Ref. Appendix A(0~64)(*5)
 MAX	 0
	Ref. Appendix A(0~64)(*64)

ITEM	OPTION
 CUT FRONT	 *0
	Ref. Appendix
 CUT BACK	 *0
	Ref. Appendix






















END



SET

3.9 Code 93 Control

ITEM	OPTION
 READABLE	 Disable
	 *Enable
 IDENTIFIER CODE	 *Disable
	Ref. Appendix
 CALCULATING	 *Disable
	 Enable
 TRANSMITTING CHECK DIGIT	 *Disable
	 Enable








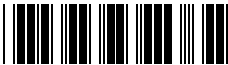



ITEM	OPTION
 MIN	 0
	Ref. Appendix (0~64)(*5)
 MAX	 0
	Ref. Appendix (0~64)(*64)
 CUT FRONT	 *0
	Ref. Appendix
 CUT BACK	 *0
	Ref. Appendix













SET

3.10 Code 128 Control

ITEM	OPTION
 READABLE	 Disable
	 *Enable
 IDENTIFIER CODE	 *Disable
	Ref. Appendix
 CALCULATING	 Disable
	 *Enable
 TRANSMITTING CHECK DIGIT	 *Disable
	 Enable












ITEM	OPTION
 MIN	 0
	Ref. Appendix (0~64)(*0)
 MAX	 0
	Ref. Appendix (0~64)(*64)
 CUT FRONT	 *0
	Ref. Appendix
 CUT BACK	 *0
	Ref. Appendix













SET

3.11 Interleaved 2 of 5 Control

ITEM	OPTION
 READABLE	 Disable
	 *Enable
 IDENTIFIER CODE	 * Disable
	Ref. Appendix
 CALCULATING	 * Disable
	 Enable
 TRANSMITTING CHECK DIGIT	 * Disable
	 Enable














ITEM	OPTION
 MIN	 0
	Ref. Appendix(0~64)(*5)
 MAX	 0
	Ref. Appendix(0~64)(*64)
 CUT FRONT	 *0
	Ref. Appendix
 CUT BACK	 *0
	Ref. Appendix


















SET

3.12 Industrial 2 of 5 Control

ITEM	OPTION
 READABLE	 Disable
	 *Enable
 IDENTIFIER CODE	 *Disable
	Ref. Appendix
 MIN	 0
	Ref. Appendix (0~64)(*5)
 MAX	 0
	Ref. Appendix (0~64)(*64)
 CUT FRONT	 *0
	Ref. Appendix
 CUT BACK	 *0
	Ref. Appendix

3.13 Standard 2 of 5 Control

ITEM	OPTION
 READABLE	 Disable
	 *Enable
 IDENTIFIER CODE	 *Disable
	Ref. Appendix
 MIN	 0
	Ref. Appendix (0~64)(* 5)
 MAX	 0
	Ref. Appendix (0~64)(*64)
 CUT FRONT	 *0
	Ref. Appendix
 CUT BACK	 *0
	Ref. Appendix














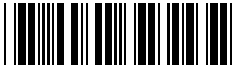





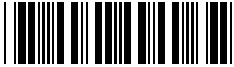

END



SET

3.14 Matrix 2 of 5 Control

ITEM	OPTION
 READABLE	 *Disable
	 Enable
 IDENTIFIER CODE	 *Disable
	Ref. Appendix
 CALCULATING	 *Disable
	 Enable
 TRANSMITTING CHECK DIGIT	 *Disable
	 Enable









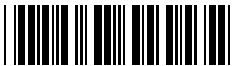


ITEM	OPTION
 MIN	 0
	Ref. Appendix (0~64)(*5)
 MAX	 0
	Ref. Appendix (0~64)(*64)
 CUT FRONT	 *0
	Ref. Appendix
 CUT BACK	 *0
	Ref. Appendix













SET

3.15 China Postal Code Control

ITEM	OPTION
 READABLE	 *Disable
	 Enable
 IDENTIFIER CODE	 *Disable
	Ref. Appendix
 CALCULATING	 *Disable
	 Enable
 TRANSMITTING CHECK DIGIT	 *Disable
	 Enable














ITEM	OPTION
 MIN	 0
	Ref. Appendix (0~64)(* 5)
 MAX	 0
	Ref. Appendix (0~64)(* 64)
 CUT FRONT	 *0
	Ref. Appendix
 CUT BACK	 *0
	Ref. Appendix














SET

3.16 MSI/Plessey Control

ITEM	OPTION
 READABLE	 *Disable
	 Enable
 IDENTIFIER CODE	 *Disable
	Ref. Appendix
 MIN	 0
	Ref. Appendix (0~64)(*5)
 MAX	 0
	Ref. Appendix (0~64)(*64)
 CUT FRONT	 *0
	Ref. Appendix
 CUT BACK	 *0
	Ref. Appendix

ITEM	OPTION
 <p data-bbox="177 979 410 1011">CALCULATING</p>	 <p data-bbox="629 414 718 447">*None</p>
	 <p data-bbox="547 573 843 606">Mode10 Transmit 0 bit</p>
	 <p data-bbox="547 731 843 764">Mode10 Transmit 1 bit</p>
	 <p data-bbox="547 889 843 922">Mode11 Transmit 0 bit</p>
	 <p data-bbox="547 1048 843 1081">Mode11 Transmit 1 bit</p>
	 <p data-bbox="547 1206 843 1239">Mode11 Transmit 2 bit</p>
	 <p data-bbox="519 1352 874 1421">Mode10/ Mode11 Transmit Yes</p>
	 <p data-bbox="495 1561 895 1594">Mode10/ Mode11 Transmit No</p>



Appendix



NUL



BS



SOH



HT



STX



LF



ETX



VT



EOT



FF



ENQ



CR



ACK



SO



BEL



SI



ETB



DLE



CAN



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DC2



SUB



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