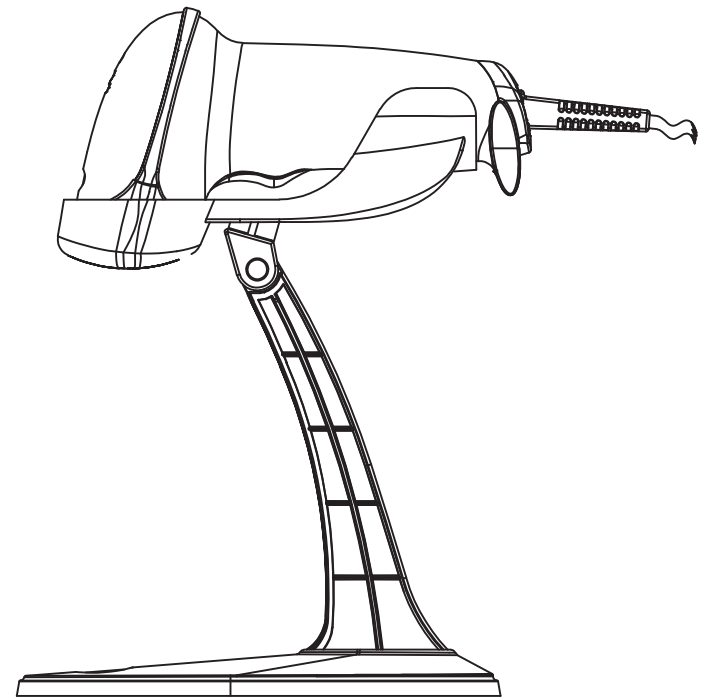




Laser Barcode Scanner

User Manual



www.eskynow.com

Features

- ★ Simple installation ,keyboard Wedge Serial , Wand Emulation to
- ★ Superior keyboard wedge interface . NOVELL compatible - auto Caps lock detection ensures that the data always appears on the computer just the way it encoded in the bar code
- ★ Simple programming from your keyboard or scan bar codes!
- ★ **Over 180 configurable options**
- ★ Automatically clones decoders in under 10 seconds . over 300 decoders per hour
- ★ Auto detection of the type of computer (PC, XT, AT, PS/2, and XWindow terminals with a PC Compatible keyboard interface)
- ★ **Can be used with or without the keyboard**
- ★ Supports over twenty different keyboard country layouts
- ★ **Map bar code data to any key on the keyboard**
- ★ Supports editing operations include (Insert stripping Filtering Convert Case)
- ★ **Macro support replace a string in the bar code with another**
- ★ Programmable preamble postamble and termination strings
- ★ READ/NO-READ indicators (buzzer and LED)
- ★ **superior reading performance utilizing advanced decoding algorithms**
- ★ Extended ASCII support for Code 128 bar codes
- ★ Low power consumption

Setup from Bar Code Label

Multiscan Functions-1

OUTPUT FIRMWARE VERSION



RESET CONFIGURATION TO DEFAULTS



OUTPUT MODE

OUTPUT MODE – KEYBOARD WEDGE /USB



OUTPUT MODE - SERIAL



OUTPUT MODE – WAND EMULATION



OUTPUT MODE - RESET



BUZZER/LED

GOOD READ BEEP TONE - NONE



GOOD READ BEEP TONE - RESET



Multiscan Functions-2

IMAGE

DECODE OPTIONS REVERSE IMAGE-ENABLE



01391

DECODE OPTIONS REVERSE IMAGE- DISAABLE



01390

CODE ID

DECIDE OPTIONS SEND BAR CODE ID-DISABLE



01400

DECODE OPTIONS SEND BAR CODE ID-AS A PREFIX



01401

DECODE OPTIONS SEND BAR CODE ID-RESET



0B140

DECODE OPTIONS SEND BAR CODE ID-AS A SUFFIX



01402

READING MODE

LASER/CCD MODE-SINGLE SCAN



013300

LASER/CCD MODE-SINGLE SCAN NO TRIGGER



013301

LASER/CCD MODE-MULTISCAN



013302

LASER/CCD MODE-MULTISCAN NO TRIGGER



013303

LASER/CCD MODE-MULTISCAN



013304

LASER/CCD MODE-PULSE



013305

Interface – KBW

PC Communication

WEDGE MODE-AUTODETECT



000200

WEDGE MODE-SCAN SET2PASS THRU



000204

TRANSMIT SPEED - 0



000000

Transmit Speed

T RANSMIT SPEED - 25



000025

KEYBOARD COUNTRY-USA



000500

LANGUAGE

KEYBOARD COUNTRY-GERMAN



000501

KEYBOARD COUNTRY-FRANCE



000509

KEYBOARD COUNTRY-UNIVERSAL



000502

Interface – Serial-1

2400



000703

4800



000704

9600



000705

19200



000706

HAND SHAKE

SERIAL HANDSHAKE-NONE



001200

SERIAL HANDSHAKE-XON/OFF



001201

SERIAL HANDSHAKE-RTS/CTS



001202

SERIAL HANDSHAKE-ACK/NAK



001203

SERIAL HANDSHAKE TIMEOUT-2 SECONDS



0013020

SERIAL HANDSHAKE TIMEOUT-5 SECONDS



0013050

Interface – Serial-2

PARAMETERS

SERIAL DATA BITS-8



SERIAL DATA BITS -7



SERIAL STOP BITS - 1



SERIAL STOP BITS - 2



SERIAL PARITY - NONE



SERIAL PARITY - ODD



SERIAL PARITY - EVEN



SERIAL PARITY - MARK



SERIAL PARITY - SPACE



SERIAL PARITY - RESET



Interface – WAND

CODE 128 WAND EMULATION - ENABLE



CODE 128 WAND EMULATION - DISABLE



SPEED

WAND EMULATION SPEED-FASTEST (0)



WAND EMULATION SPEED-SLOWEST (3)



BAR LEVEL

WAND EMULATION-BAR=1(HIGH)



WAND EMULATION-BAR=0(LOW)



CODE 11

CODE 11-ENABLE



CODE 11 - DISABLE



CODE 39

CODE 39 ENABLE



CODE 39 - DISABLE



FULL ASCII ENABLE



FULL ASCII DISABLE



Symbologies On/Off—1

CODE 93

CODE 93 - ENABLE



00621

CODE 93 - DISABLE



00620

CODE 128 - ENABLE



00691

CODE 128 - DISABLE



00690

CODE 128 ISBT - ENABLE



00701

CODE 128 ISBT - DISABLE



00700

CODABAR

CODABAR - ENABLE



00851

CODABAR - DISABLE



00850

INTERLEAVED 2 OF 5

12 OF 5 - ENABLE



00961

12OF5 - DISABLE



00960

INDUSTRIAL 2 OF 5

ID2OF5- ENABLE



01061

ID2OF5 - DISABLE



01060

Symbologies On/Off—2

MSI/PLESSEY

MSI - ENABLE



MSI - DISABLE



UPC/EAN

UPC—A ENABLE



UPC—A DISABLE



UPC—E ENABLE



UPC—E DISABLE



EAN—13 ENABLE



EAN—13 DISABLE



EAN—8 ENABLE



EAN—8 DISABLE



Symbologies Set Up—1

CODE 11

CODE 11 ID CHARACTER-'m'



CODE 11 ID CHARACTER 'z'



CODE 11 LASER/CCD REDUNDANCY - ENABLE



CODE 11 LASER/CCD REDUNDANCY - DISABLE



CODE 39

CODE 39 SS CHAR - NONE



CODE 39 SS CHAR '+'



CODE 39 SEND STAR/STOP CHARS ENABLE



CODE 39 SEND START/STOP CHARS DISABLE



CODE 39 ID CHARACTER 'a'



CODE 39 ID CHARACTER 'z'



CODE 39 LASER/CCD REDUNDANCY ENABLE



CODE 39 LASER/CCD REDUNDANCY DISABLE



Symbologies Set Up—2

CODE 93

CODE 93 ID CHARACTER 'h'



CODE 93 ID CHARACTER 'z'



CODE 93 LASER/CCD REDUNDANCY-ENABLE



CODE 93 LASER/CCD REDUNDANCY-DISABLE



CODE 128

CODE 128 ID CHARACTER 'g'



CODE 128 ID CHARACTER 'z'



CODE 128 LASER/CCD REDUNDANCY-ENABLE



CODE 128 LASER/CCD REDUNDANCY-DISABLE



CODABAR

CODABAR SEND START/STOP CHARS-ENABLE



CODABAR SEND START/STOP CHARS-DISABLE



CODABAR WIDE GAPS ALLOWED-ENABLE



CODABAR WIDE GAPS ALLOWED-DISABLE



Symbologies Set Up—3

CODABAR

CODABAR ID CHARACTER-k



CODABAR ID CHARABTER-z



CODABAR LASER/CCD REDUNDANCY-ENABLE



CODABAR LASER/CCD REDUNDANCY-DISABLE



Interleaved 2 of 5

12OF5 ID CHARACTER-i



12OF5 ID CHARACTER-z



12OF5 LASER/CCD REDUNDANCY-ENABLE



CODABAR LASER/CCD REDUNDANCY-DISABLE



Industrial 2 of 5

ID2OF5 ID CHARACTER-j



ID2OF5 CHARACTER-z



ID2OF5LASER/CCD REDUNDANCY-ENABLE



ID2OF5LASER/CCD REDUNDANCY-DISABLE



Symbologies Set Up—4
MSI/PLESSEY

MSI ISBN ID CHARACTER-f



0066h

0053f

MSI ISBN ID CHARACTER-z



0053z

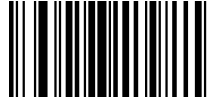
0053z

MSI LASER/CCD REDUNDANCY-ENABLE



01251

MSI LASER/CCD REDUNDANCY-DISABLE



01250

UPC/EAN

EXPAND UPC-E TO UPC-A ENABLE



00381

EXPAND UPC-E TO UPC-A DISABLE



00380

EXPAND UPC-A TO EAN-13 ENABLE



00391

EXPAND UPC-A TO EAN-13 DISABLE



00390

CONVERT EAN-13 TO ISBN ENABLE



00481

CONVERT EAN-13 TO ISBN DISABLE



00480

UPC-A ID CHARACTER-b



0049b

UPC-A ID CHARACTER-z



0049z

Symbologies Set Up—5

UPC/EAN

UPC-E ID CHARACTER -c



UPC-E ID CHARACTER -z



EAN-13 ID CHARACTER -e



EAN-13 ID CHARACTER -z



EAN-8 ID CHARACTER -d



EAN-8 ID CHARACTER -z



ISBN ID CHARACTER -f



ISBN ID CHARACTER -z



UPC/EAN SUPPLEMENTS-DISABLE



UPC/EAN SUPPLEMENTS-2DIGIT ONLY



UPC/EAN SUPPLEMENTS-5DIGIT ONLY



UPC/EAN SUPPLEMENTS-2DIGIT ONLY



Symbologies Set Up—6

UPC/EAN

UPC/EAN LASER/CCD REDUNDANCY ENABLE

UPC/EAN LASER/CCD REDUNDANCY DISABLE



EDIT SETUP BAR CODES

EDIT #1 – STRIP 1 LEADING CHARACTER ON ALL BAR
CODES THAT START WITH '12345'

EDIT #1 - OFF



EDIT #2 – STRIP 1 TRAILING CHARACTER

EDIT #2 - OFF



EDIT #1 – FILTER LEADING SPACES

EDIT #1 - OFF



EDIT #1 – FILTER TRAILING SPACES

EDIT #1 - OFF



EDIT – FILTER CHARACTERS

EDIT-DISABLE FILTERING OF ALL CHARS



EDIT-INSERT LEADING ZERO

EDIT- DISABLE INSERT LEADING ZERO



MACRO/SPECIAL KEYS SETUP BAR CODES

MACRO #1-FIND '1' AND PRPLACE WITH 'ONE'



MACRO #1-DISABLED



MACRO #2-FIND '2' AND REPLACE WITH 'TWO' FOR CODE 39 ONLY



MACRO #2-DISABLED



MACRO-FIND '0' AND REPLACE WITH 'A'



MACRO-FIND '0' AND REPLACE WITH 'A'-DISABLE



SPECIAL KEY-MAP F3 TO '0'



SPECIAL KEY-DISABLE F3 KEY MAPPING



SPECIAL KEY-MAP KEYPAD ENTER TO '2'



SPECIAL KEY-DISABLE KEYPAD ENTER MAPPING



TERMINATION STRING SETUP BAR CODES

STRING#1-TERMINATION CHAR-CR



0202011000\$0D

STRING#1-TERMINATION-LF



0202011000\$0A

STRING#1-TERMINATION CR+LF



0202011000\$0D\$0A

STRING#1-DISABLED



0B20201

STRING#2-CODE128TERMINATION CHAR-CR



0202021080\$0D

STRING#2-CODE 128TERMINATION CHAR-LF



0202021080\$0A

STRING#2-CODE128 TERMINATION CHAR-CR+LF



0202021080\$0D\$0A

STRING#2-CODE 128TERMINATION CHAR-LF



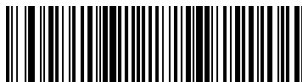
0B20202

STRING-CODE 39 TERMINATION CHAR-TAB



0202001020\$09

STRING-CODE39 TERMINATION CHAR-TAB-REMOVED



0B202001020\$09

STRING- ALL CODES PREAMBLE-STX



0202002000\$02

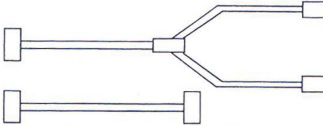
STRING-ALL CODES POSTAMBLE-ETX



0202003000\$03

Appendix-C Decoder Pinouts and Specifications

Scanner pinouts For Decoder Box



Connector-9pin D Male

- 1.Start of scan
- 2.Bar code Data in (wind Data in)
- 3.Good Read Out
- 4.No Connection
- 5.Loser Trigger in
- 6.Power Enable
- 7.Ground(Wind Ground)
- 8.Shield Ground
- 9.+5 VDC

Rs232 Same as Built-in_Type

KB Connector-6pin Mini-Din Female

- 1.Keyboard Data
- 2.Reserved
- 3.Ground
- 4.+5 VDC
- 5.Keyboard
- 6.Reserved

KB Connector End View



PC Connector-5 pin Din Male

- 1.Keyboard Clock(wind Data)
- 2.Keyboard Data
- 3.Reserved
- 4.Ground
- 5.+5 VDC

PC Connector End View



Pinouts for scanner TTL and Built-in type

TTL Type

Color	Function	9pin D-sub/AMP-F	5pin Din-M	6pin Din-M	6pin mini Din-M
Brown	Start of scan	1	-	6	6
Yellow	Signal data	2	2	2	4
Green	LED indle	3	-	-	-
Red	Trigger	5	5	5	1
Blue	Power enable	6	4	4	2
Black	GND	7	3	3	5
White	GND shield	8	3	3	5
Orange	Vcc +5V	9	1	1	3

WIND Emulation Type

Color	Function	9pin D-ub/AMP-F	5pin Din-M	6pin Din-M
Blue	Signal data	2	2	3
Brown	GND	7,8	3	3
White	Vcc +5V	9	1	1

RS232 Type

Color	Function	9pin D-sub/AMP-F	25pin D-sub-r
Brown	GND	5	7
Yellow	CTS	8	4
Green	RTS	7	5
Orange	RX	2	2
Blue	TX	3	3
White	Vcc +5V	9	25,16

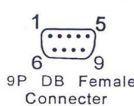
OCIA Type

Color	Function	8pin Din-M	9pin D-sub-r	10pin
Black	Clock return	4	1	3
Green	Clock	3	2	9
Yellow	Data return	1	3	5
Red	Data	2	4	7
White	Vcc +5V	5	7	10
Brown	GND	7	8	1

RS232/Keyboard TYPE

Color	Function	9pin D-sub/AMP-F	25pin D-sub-r
Brown	GND	5	7
Blue	TX	3	3
White	Vcc +5V	9	25,16
Orange	RX	2	2

Viewed internally



Viewed Externally

