Eagle II

Installing the Keyboard Wedge Reader

To install a keyboard wedge reader, follow the steps below:

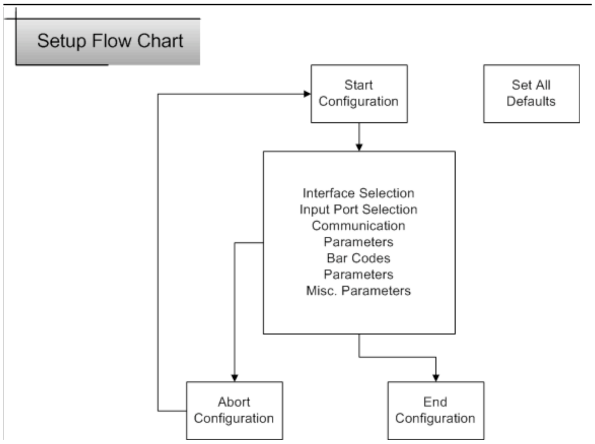
1. Turn off the power of the PC or Terminal.
2. Unplug keyboard from the PC or Terminal.
3. Make sure you have the Y cable with appropriate connector type for your PC or Terminal.
4. Connect Scanner to your PC or Terminal.
5. Connect the keyboard connector to the female connector of the Y cable
6. Turn on the power of PC or Terminal.

Installing the RS232 Reader

To install a RS232 reader, follow the steps below:

1. Turn off the power of the PC or Terminal.
2. Make sure the connector type from RS232 to the PC or Terminal is correct.
3. Plug AC Adaptor connector into connector of the reader.
4. Turn on the power of PC or Terminal.
5. Setup the Interface of the reader to RS232 mode by scanning the barcode in the Interface Selection.

Method of Programming



Loop of programming

The philosophy of programming parameters has been show on the flow chart. Basically user should

1. Scan Start of Configuration.
2. Scan all necessary labels for parameters that meet applications.
3. Scan End of Configuration to end the programming.
4. To go bark to the Default Settings, just scan label for Set All Defaults.

Factory Default Settings

The factory default settings are shown with < >and bold in the following sections. You can make your own settings by following the procedures in this manual.

By scanning" Set All Default" label, the settings will go back to the factory default settings.

Setup Commands

Set All Defaults
Set all the parameters to the factory default setting.

Start Configuration.

End Configuration.

Abort Configuration
Terminate current programming status.

Version Information
Display the decoder version information and date code

Interface Selection

<Keybard Mode>

RS232 Mode

WAND Emulation

OCIA Mode

Start Configuration

Abort Configuration

Reading Mode

<Good Read Off>

Flash-On

Trigger On/Off

Flash Off

Continuous/Trigger Off

Testing

Continuous/No Trigger

Continuous/LED Always On

Trigger ON/Good Read Off/Delay=??
*This mode is almost the same as <Good Read OFF> but you can delay time for turning off LED<Default is 3 seconds> you can use the provided Decimal and Hex-Label Tables for your own setup.

Trigger On/Good Read Off/ Delay=??

Continuous/Trigger Off/Delay=??
*This mode you can define the delay time to control the LED off after releasing the trigger.

Continuous/Trigger Off

End Configuration

RS-232 Communication Parameters

Set Up BAUD Rate

300

<9600>

600

19200

1200

38400

2400


Start Configuration


Abort Configuration

RS-232 Communication Parameters

Set Up Data Bits:


7 Data Bits


<8 Data Bits>

Set up Parity:


<None>


Even


Odd

End Configuration

RS-232 Communication Parameters

Handshaking

<None>

RTS/CTS Enable

ACK/NAK Enable

XON/XOFF Enable

Start Configuration

Abort Configuration

RS-232 Communication Parameters

(ACK/NAK Response Time CTS Observation Time:)

ACK/NAK Time Out=??

Scan Start Configuration Label→
Scan ACK/NAK Time-out Label→
Scan Two Digit Labels in Table–Hex→
Scan Confirm Label in Table-Hex→
Scan End Configuration Label

RTS/CTS Time Out=??

Scan Enter Start Configuration Label→
Scan RTS/CTS Time-Out Label→
Scan Two Digit Labels in Table–Hex→
Scan Confirm Label in Table-Hex→
Scan End Configuration Label

RTS Signal status:

Normal LOW

<Normal High>

End Configuration

Keyboard Wedge Parameters

Terminal Type

<IBM PC/AT, PS/2>

ACER 7300

IBM PC/XT

ADI CC-III

IBM PS/2 25,30

MAC SE

NEC 9800

LC-6533

WANG 5425

IBM 4714

Sun type 4/5/C

PS-55

NEC 5200

IBM 3196/3197/3476/3477

KW 105D / CT-700A WANG 5120

Start Configuration

Abort Configuration

Keyboard Wedge Parameters

UPPER/LOWER Case

ATUTO

<Lower Case>

Upper Case

Send character by ALT Method

Enable

Select Numerical Pad

On

<Off>

Bar-space invert to Read

Yes

<No>

End Configuration

Language Selection

<US English>

Poland

UK English

Japanese

Italian

Belgium

Spanish

Portuguese

French

Demark

Germany

Netherlands

Swedish/Finnish

Norway

Swiss

Latin America

Start Configuration

Abort Configuration

Output Characters Parameters

Select Terminator

Keyboard

NONE

<CR>

SPACE

TAB

ESC

CTRL-C

EXEC

End Configuration

Output Characters Parameters

Select Terminator

RS232

NONE

ESC

<CR>

CTR-C

CR/LF

STX..XOFF

LF

XON..XOFF

SPACE

EOT

TAB

Start Configuration

Abort Configuration

Time-out Between Characters

Start Keyboard Setting

Start RS-232 Setting

Scan Start Configuration Label→
Scan Start Keyboard (RS-232) Setting Label→
Scan Two Digit Labels in Table–Hex→
Scan Confirm Label in Table-Hex→
Scan End Configuration Label

Wand Emulation

TTL Level Representation

<Bar Equals high> Bar Equals Low

Scan Seed Selection

Lowest

<Low>

High

Highest

End Configuration

Wand Emulation

Data Format

<Transmit in Normal Formal>

Transmit in Code 39 Format

Transmit in Code128 Format

Code ID Set1-Set5 Table

Code ID

Code ID Selection

CODE ID=ON

<CODE ID=OFF>

Select Code ID Set

Set**<user defined>**

Set1

Set2

Set3

	Set1	Set2	Set3	Set4	Set5
Code 39	A	C	Y	M	A
Italy Pharmacode	A	C	Y	M	A
French Pharmacode	A	C	Y	M	A
Industrial 25	C	H	H	H	S
Interleave 25	D	I	Z	I	S
Matrix 25	E	G	G	G	S
Codabar	F	N	X	N	F
Code 93	I	L	L	L	G
Code 128	H	K	K	K	C
UPCE	S	E	C	E	E
EAN8	P	B	B	FF	E
EAN13	M	A	A	F	E
MSI	V	V	D	P	M
Plessey	W	W	E	Q	P
UPCA	M	A	A	A	E

Set4 Set5

Note1: UP to two characters of code ID can be configured for each symbology when you select user defined.

Note2**: User Can First select one of the code Id sets and then make desired modifications the pre-defined Code ID sets are shown next page table.**

Start Configuration

Abort Configuration

End Configuration

Code ID

Bar Code ID <USER DEFINED>


CODE 39


MSI/PLESSEY


INDUSTRIAL 2 OF 5


ENA-13


CHINA POSTAGE


UPC-E


CODE 93


INTERLEVED 2 OF 5


MATRIX 2 OF 5


CODABAR/NW7


CODE 128


EAN-8


CODE 11


UPC-A

Note: Refer to ASCII Table; scan two hexadecimal labels in Table-hex to represent one character.


Start Configuration


Abort Configuration

Misc. Parameters

Buzzer Beep Tone


Buzzer Pitch=?? (0-22)


Buzzer Duration=?? (0-127)

Software Beep

<Hardware Beep>

Power up Tone

<On>

Off

LED Indicator

<Normal On Good Read Off>

Normal Off Good Read On

Keyboard Speed of PC/AT

<Normal>

Turbo

End Configuration

Code Option

UPC-A/EAN-13

<On>

Off

UPC-E

<On>

Off

EAN-8/JAN-8

<On>

Off

CODE 39

<On>

Off

CODE 128

<On>

Off

CODABAR/NW7

<On>

Off

Start Configuration

Abort Configuration

Code Option

Interleave25

<On>

Off

Industrial 25

On

< Off >

UCC EAN/128

On

< Off >

Matrix 25

On

< Off >

CODE 93

<On>

Off

CODE 11

<On>

Off

End Configuration

Code Option

China postage

On

<Off>

MSI/PLESSEY

<On>

Off

IATA Code

On

<Off>

Code IV

On

<Off>

ISBN

On

<Off>

UPC-EAN Add-ON 2/5

On

<Off>

Start Configuration

Abort Configuration

Code Option

EAN-8 Convert to EAN-13

On

<Off>

When this option is selected the scanner will convert EAN-8 to EAN-13 by transmitting five zeroes after three characters.

When this option is selected the canner will convert EAN-8 to EAN-13 by transmitting five zeroes before the barcode

UPC-E Convert to UPC-A

On

<Off>

End Configuration

EAN-13/JAN-13

Transmit Check Character

<On>

Off

Truncate Leading Digit

On

<Off>

Truncate Leading Zero

On

<Off>

Start Configuration

Abort Configuration

UPC-A

Transmit Check Character

<On>

Off

Truncate Leading Zero

On

<Off>

Truncate Leading Digit

On

<Off>

EAN-8 /JAN-8

Transmit Check Char

<On>

Off

Truncate Leading

On

<Off>

End Configuration

UPC-E/UCC EAN/128

Transmit Check Char

<On>

Off

Truncate Leading Digit

On

<Off>

UCC EAN/128

On

<Off>

Start Configuration

Abort Configuration

CODE 39 / (CODE 32)

<Standard>

Full ASCII

Transmit Start/End Character

On

<Off>

Transmit Check Character

<On>

OFF

Verify Checksum

<OFF>

On

Code 32 On

<Verify Normal>

Verify Strick

End Configuration

CODE 93

Concatenation

<Off>

On

CODE 11

Number of Check Character

<Two>

One

Transmit Check Character

<Off>

On

Start Configuration

Abort Configuration

Interleaved 2 of 5

Transmit Check Character

<On>

Off

Verify Checksum

On

<Off>

Length Define
Min: 02
Max: 48

Barcode Length Setting
Scan Start Configuration→
Scan Length Define Label→
Scan Four Digit Labels in Table-Hex→
Scan Confirm Label in Table-Hex→
Scan End Configuration

User Define
3 Sets Available

User Define Length Setting:
Scan Start Configuration
Scan User Define Label
Scan Six digit Labels in Table-Hex→
(Only 3 sets of Length can be defined)→
Scan confirm Label in Table-Hex→
Scan End Configuration

End Configuration

Industrial 2 of 5 / IATA

Transmit Check Character

<On>

Off

Verify Checksum

On

<Off>

Length Define
Min: 2
Max: **24**

Barcode Length Setting
Scan Start Configuration→
Scan Length Define Label→
Scan Four Digit Labels in Table-Hex→
Scan Confirm Label in Table-Hex→
Scan End Configuration

User Define
3 Sets Available

User Define Length Setting:
Scan Start Configuration
Scan User Define Label
Scan Six digit Labels in Table-Hex→
(Only 3 sets of Length can be defined)→
Scan confirm Label in Table-Hex→
Scan End Configuration

IATA

On

<Off>

Start Configuration

Abort Configuration

MATRIX 2 OF 5

Transmit Check Character

Off

<On>

Verify Checksum

<Off>

On

Length Define
Min: 2
Max: **40**

Barcode Length Setting
Scan Start Configuration→
Scan Length Define Label→
Scan Four Digit Labels in Table-Hex→
Scan Confirm Label in Table-Hex→
Scan End Configuration

User Define
3 Sets Available

User Define Length Setting:
Scan Start Configuration
Scan User Define Label
Scan Six digit Labels in Table-Hex→
(Only 3 sets of Length can be defined)→
Scan confirm Label in Table-Hex→
Scan End Configuration

End Configuration

CHINA POSTAGE

Transmit Check Character

Off

<On>

Verify Checksum

<Off>

On

Length Define
Min: 2
Max: 40

Barcode Length Setting
Scan Start Configuration→
Scan Length Define Label→
Scan Four Digit Labels in Table-Hex→
Scan Confirm Label in Table-Hex→
Scan End Configuration

User Define
3 Sets Available

User Define Length Setting:
Scan Start Configuration
Scan User Define Label
Scan Six digit Labels in Table-Hex→
(Only 3 sets of Length can be defined)→
Scan confirm Label in Table-Hex→
Scan End Configuration

Start Configuration

Abort Configuration

CODABAR / NW7

Transmit Check Character

On **<Off>**

Start / End Transmit Type


ABCD/ABCD


ABCD/TN*E


<abcd/abcd>


Abcd/tn*e


<“A” to “D” Not equal Data>


“A” to “D” equal data


End Configuration

Preamble and Postamble


Preamble


Postamble

Preamble & Postamble Setting:
Scan Start Configuration→
Scan Preamble or Postamble Label→
Refer to ASCII Table; scan two digits in Table-Hex for pepresenting one character, maximum 10 characters can be accepted→
Scan Confirm Label in Table-Hex→
Scan End configuration

Clear

Clear Preamble & Postamble:
Scan Start configuration→
Scan Preamble or Postamble Label→
Scan Clear Label→
Scan End configuration

Start Configuration

Abort Configuration

Function Key Emulation

On

<Off>

Enable Function Key Emulation:
Scan start configuration
Scan ON Label
Scan End configuration
1:To concatenate a function key with input data; please refer to Function Key Table for its hexadecimal representation. For Example.
Preamble data with F1:
Scan start configuration Label
Scan Preamble Label
Scan Label 0 and 1 in Table-Hex
Scan Confirm Label in Table-Hex
Scan Exit Label

Function Key with "CR"

Off **<On>**

Function Key Table (Full Code 39 Table)

F1:01 F2:02 F3:03 F4:04

F5:05 F6:06 F7:07 F8:08

F9:09 F10:0A F11:0B F12:0C

Enter:0D Tab:0E BS:0F Up: 10

Down: 11 Left: 2 Home: 14 End: 15

PgUp: 16 PgDn: 17 Ins: 18 Del: 19
Esc: 1B Right: 13 S-Tab: 1C

2:To scan a function key barcode label; Full Code 39 must be enabled. Please refer to Full Code 39 Table to produce the function key barcode label.

Scan start configuration Label
Scan Full Code 39 Enable
Label
Scan End configuration

Full Code39 Enable

End Configuration

Function code for PC XT/AT

F1 ($A)

F7 ($G)

F2 ($B)

F8 ($H)

F3 ($C)

F9 ($I)

F4 ($D)

F10 ($J)

F5 ($E)

F11 ($K)

F6 ($F)

F12 ($L)

Start Configuration

Abort Configuration

Function code for PC XT/AT

Enter ($M)

End ($U)

Tab ($N)

PgUp ($V)

BS ($O)

PgDn($W)

Up ($P)

Ins ($X)

Down ($Q)

Del ($Y)

Left ($R)

Esc (%A)

Right ($S)

Home ($T)

End Configuration

Table-Hex HEXADECIMAL

0

8

1

9

2

A

3

B

4

C

5

D

6

E

7

F

Confirm

Start Configuration

Abort Configuration

ASCII TABLE

	.		0		1		2		3		4		5	
H\	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	P
0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Q
1	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	R
2	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	S
3	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	T
4	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	U
5	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	V
6	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	W
7	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	X
8	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	Y
9	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	Z
A	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	[
B	176	177	178	179	180	181	182	83	184	185	186	187	188	189	190	191	\
C	192	193	194	195	196	19	198	199	200	201	202	203	204	205	206	207	]
D	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	^
E	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	-
F	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	

Hexadecimal-Decimal Conversion Table

For example:
<u>Hexadecimal</u> <u>Decimal</u>
53→ H: 5 L: 3 83
D5→H: D L: 5 213