

User's Manual

MS-140

RS232 WEDGE

Slot Reader

Enter Setup



Overview

This slot reader supports computers with RS232 port.

It can read most popular bar codes like Code 39, UPC/EAN, Interleaved 2 of 5, Standard 2 of 5, Code 128, Codabar, MSI, Code 11, Code 93, etc.

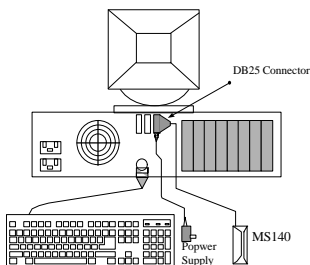
Setup of the reader can be done in two ways:

- Through a Modem Communication utility.
- Or use custom labels (batch setup).

Installation:

The picture below shows how to connect the reader to a computer. Follow the procedures for installation:

1. Turn off computer power.
2. Plug the reader to computer's RS232 port.
3. Turn on power. One long beep from the reader indicates successful power-up.



The default baud rate of the reader is set to 9600.

Setup

The reader's behavior can be changed through a setup routine in the reader.

Setup can only be performed on 9600 baud rate, 8bits and none parity with any Modem Communication utility, such as Windows' Terminal. To enter the setup, start the Communication utility on the PC and set the 9600 baud rate, 8bits and none parity. Then swipe "Enter Setup" bar code label located on the cover page of this manual.

When the reader enters the setup mode, a selection menu will be displayed on the screen like,

MS140 SETUP MENU

0-RS232

1-Scanner

2-Bar Code

3-Other

4-Default

5-Dump Setting

6-Exit

Select➔

Follow the prompting and make your selections accordingly. The setup procedure is just that easy.

In string input procedure, the Ctrl_R is shift key, it make a following character input into the sting. This method allows user to input control character into a string.

Batch Setup

Having configured a reader, you may duplicate the settings of the reader (master) to the others. You can do this by producing a set of custom setup labels derived from the master reader and scanning these labels by other readers. When selecting Dump command in setup mode, the settings of the reader will dump to the screen as one or several ASCII string(s). Printing the string(s) into bar code labels in Code 39, you get the batch setup labels to duplicate other readers.

Selectable Parameters and their Defaults

Parameters	Selections	Default
Baud Rate	0-300; 1-600; 2- 1200; 3-2400; 4-4800; 5-9600; 6-19200	9600
Parity	0-Even;1-Odd;2-Mark;3-Space;4-None	None
Data bits	0-7 bits; 1-8 bits	8 bits
Cts/Rts	0-Ignore; 1-RTS Enabled at Power on; 2-RTS Enabled in communication	Ignore
ACK/NAK	0-Off; 1-On	Off
BCC Character	0-Off; 1-On	Off
Xon/Xoff Time out	0-1 sec; 1-3 sec; 2-10 sec; 3-No Limit	3 sec
Beep Tone	None/Low/Medium/High/Low to High/ High to Low	Medium
Beep Tone (On ACK)	None/Low/Medium/High/Low to High/ High to Low	High
Inter-char delay	1 ms /5 ms/10 ms/20 ms/50 ms/100 ms	1 ms
Inter-block delay	10 ms/50 ms/100 ms/1 s/5 s	10 ms
Function Code	On/Off	On
CapsLock	Auto_trace/Low case/Upper case	Auto_trace
Language	US/UK/Swiss/Swedish/Spanish/ Norwegian/Italian/German/French/ Alt Key Mode	US
Double verification	Off/On	Off
Label Type	Positive /Positive and Negative	Positive
Output of Wand	Bar high, space low/ Bar low, space high	Bar high, space low
Level Duration	200 us/600 us	200 us
Terminator	Enter/Field Exit/ Return/ None	Enter

Code ID	None/ User Defined/ Default Set I/ Default Set II	None
Define Code ID	00-Code 39 Full ASCII 01-Code 39 Standard 02- EAN-13 03- UPC-A 04- EAN-8 05- UPC-E 06-I 2 of 5 07- Codabar 8- Code128 9-	09- Code 93 10- S 2 of 5 11- MSI 12- Code 11 13- Code 32 14-Delta Code 15-Label Code 16-Plessey Code 18-Toshiba Code
Data Length	Exclude/ Include	Exclude
Preamble	Define up to 16 characters	None
Postamble	Define up to 16 characters	None
Code 39	Disable/Enable	Enable
	Full ASCII/Standard	Standard
	Check Digit Check and Send/ Check but Not Send/ Not Check	Not Check
	Send/Not Send Start & Stop	Not Send
	Min 0 / Max 48	0 / 48
Code 32	Disable/Enable	Disable
	Leading Character Send / No Send	Send
	Tailing Character Send /No Send	Send
Interleaved 2 of 5	Disable/Enable	Enable
	Fix Length On/Off (by first three reads)	On
	Check Digit Check and Send/ Check but Not Send/ Not Check	Not Check
	First Digit Suppressed/ Last Digit Not Suppressed/ Not Suppressed.	Not Suppressed
	Min 4 / Max 64	10 / 64
Standard 2 of 5 / Toshiba	Disable/Enable	Disable
	Fix Length On/Off	On
	Check Digit Check and Send/ Check but Not Send/ Not Check	Not Check
	Min 1 / Max 48	4/48
Delta distance code	Disable/Enable	Disable
	Check Digit Not Send / Send	Not Send
	Check Digit Check/Not Check	Not Check
Code 128 / Label Code	Disable/Enable	Enable
	Min 1 / Max 48	1 / 48
MSI / Plessey	Disable/Enable	Disable

Code	CD Send / No Send	No Send
	CD Double Module 10/ CD Double Module 11 Plus 10/CD single Module 10	CD Double Module 10
	Min 1 / Max 16	1 / 16
Code 93	Disable/Enable	Enable
	Min 1 / Max 48	1 / 48
Code 11	Disable/Enable	Disable
	One/Two CD	Two CD
	CD Send / No Send	No Send
	Min 1 / Max 48	1 / 48
UPC-A	Disable/Enable	Enable
	Leading Digit Send / No Send	Send
	CD Send / No Send	Send
UPC-E	Disable/Enable	Enable
	Leading Digit Send / No Send	Send
	CD Send / No Send	Send
	Zero Expansion On / Off	Off
EAN-13	Disable/Enable	Enable
	Leading Digit Send / No Send	Send
	CD Send / No Send	Send
	Bookland EAN Enable / Disable	Disable
EAN-8	Disable/Enable	Enable
	Leading Digit Send / No Send	Send
	CD Send / No Send	Send
Supplement Code	2 Add-on Code Off / On	Off
	5 Add-on Code Off / On	Off
	Transmitted if Present/ Must Present	Must Present
	Space Added / Not Added	Not Added