

RS-232 Interface Selection

Scan this label to enable the standard RS-232 interface (Datalogic RS-232).



SNI RS-232 Interface Selection

Scan this label to enable the SNI RS-232 interface.



RS-232 Communication Parameters

This section contains the following RS-232 communication parameters in the order listed:

- Baud Rate
- Data Bits
- Parity
- Stop Bit(s)
- Hardware Handshaking (CTS/RTS)
- Software Handshaking (Xon/Xoff)
- ACK/NAK Options
- Intercharacter Delay

Go to the sections titled *Symbology Selection* and *General Features* in the back of this programming guide if you want to change any other settings for this interface.

715-642-1842

Baud Rate

Use the bar codes on this page to select the communications Baud Rate. Only one Baud Rate selection may be active at any one time. The last Baud Rate label you scan during a programming session will be the setting that is stored when you scan the END label.

BAUD RATE

SET _____  ✕

= 1200 _____ 

= 2400 _____ 

= 4800 _____  ✕

= 9600 _____ 

= 19200 _____ 

= 38400 _____ 

END _____  ✕

Data Format Table

There are many possible data format configurations for an RS-232 interface. Check your host system manual to find out your system's communications requirements. This table shows the acceptable format options.

Data Bits	Start Bit	Parity Bit(s)	Stop Bit(s)
Seven	1	0	2
Seven	1	1	1
Seven	1	1	2
Eight	1	0	1
Eight	1	0	2
Eight	1	1	1

Data Format Settings

The bar codes on this page can be used to select the data format configuration needed to communicate with your system.

		SET		
PARITY		NONE		X
		EVEN		
		ODD		
		MARK		
		SPACE		
STOP BITS		ONE		X
		TWO		
DATA BITS		SEVEN BITS		
		EIGHT BITS		X
		END		X

Non-Symbology Specific Items

Setting Non-Symbology Specific Prefix(es)

These characters will be added to the standard label format when your host system has specific and unique requirements for information added to the barcode label data before it is sent to the host. Identify your specific system requirements before adding or modifying these settings, then...

1. Look at the ASCII chart shown on page 38 and identify the ASCII character(s) and the corresponding Hex Code(s) for the ASCII characters you will use as prefixes.

For example, if you are going to send two prefix characters as 'STX' (start transmit) and 'SP' (Space). The ASCII chart shows that 'STX' equals 02_{hex} and 'SP' equals 20_{hex}.

2. Scan the SET label.
3. Scan the SET PREFIX label on this page.
4. Scan the digits that correspond to the Hex Values.

For the example in step four, scan 0, 2, 2, 0.

NOTE

If you make a mistake, or lose your place while setting this option, scan the END label to exit Programming Mode. The scanner will sound an error tone (*six rapid beeps*) to indicate that programming was incomplete, and the setting will remain as it was before entering Programming Mode.

5. Scan END.

You have added a two character prefix to all label data, regardless of label symbology, that will be added to the label data before it is sent to the host.

SET



SET PREFIX



Go to the second page following this and scan the appropriate characters before scanning the END label to exit programming session.

Setting Non-Symbology Specific Suffix(es)

These characters will be added to the standard label format when your system has specific and unique requirements for information added to the barcode label data before it is sent to the host. Suffix characters follow the label data.

Identify your specific system requirements before adding or modifying these settings, then...

1. Look at the ASCII chart shown on page 38 and identify the ASCII character(s) and the corresponding Hex Code(s) for the ASCII characters you will use as suffixes.

For example, if you are going to send two suffix characters as 'BEL' (sound host tone) and 'ETX' (end transmission). The ASCII chart shows that 'BEL' equals 07_{hex} and 'ETX' equals 03_{hex}.

2. Scan the SET label.
3. Scan the SET SUFFIX label on this page.
4. Scan the digits that correspond to the Hex Values.

For the example in step five, scan 0, 7, 0, 3.

NOTE

If you make a mistake, or lose your place while setting this option, scan the END label to exit Programming Mode. The scanner will sound an error tone (*six rapid beeps*) to indicate that programming was incomplete, and the setting will remain as it was before entering Programming Mode.

5. Scan END.

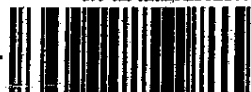
You have added a two character suffix to all label data, regardless of label symbology, that will be added to the label data before it is sent to the host.

SET



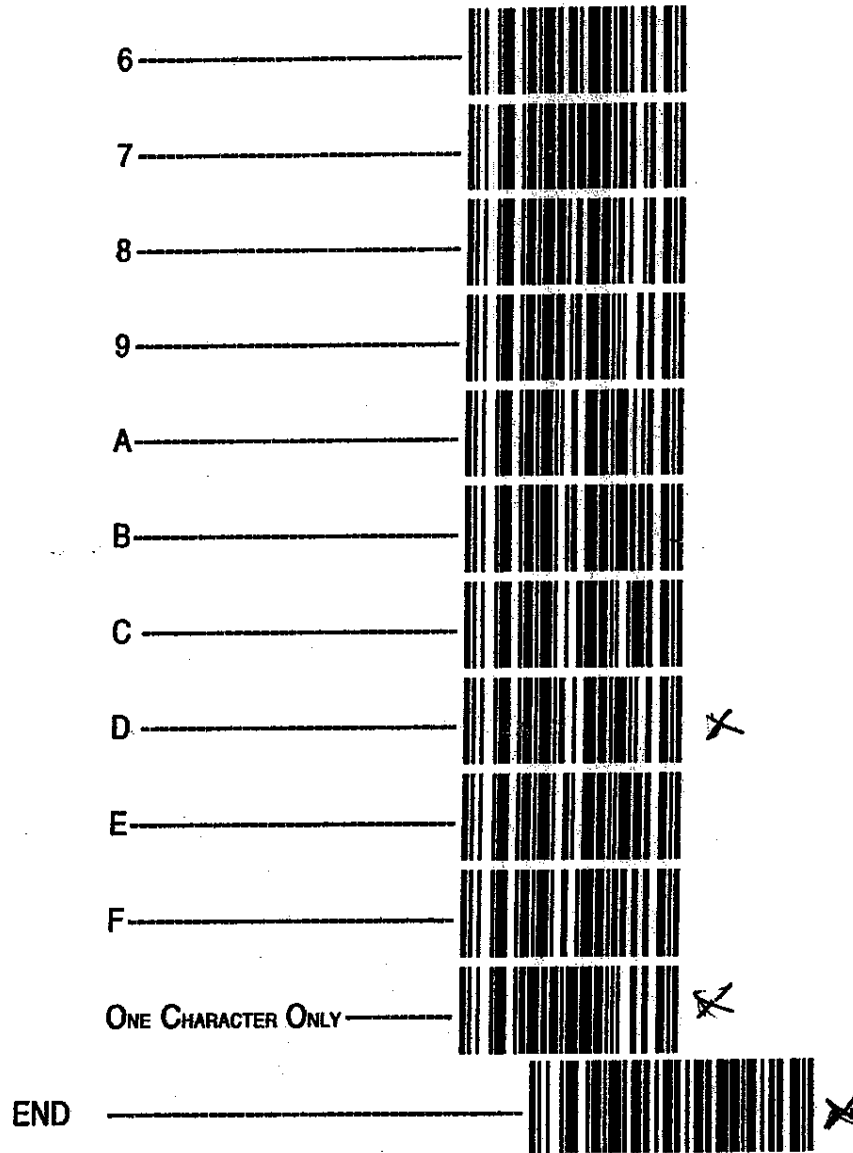
X

SET SUFFIX



X

Go to the next two pages and scan the appropriate characters before scanning the END label to exit programming session.



ASCII Character Set

The table on this page shows a set of ASCII characters and their corresponding Hex Values. The Hex Values in this table are needed for setting symbology specific label identifiers, as well as enabling custom prefix and suffix characters.

ASCII Char	Hex Value	ASCII Char	Hex Value	ASCII Char	Hex Value	ASCII Char	Hex Value
nul	00	SP	20	@	40	'	60
soh	01	!	21	A	41	a	61
stx	02	"	22	B	42	b	62
etx	03	#	23	C	43	c	63
eot	04	\$	24	D	44	d	64
enq	05	%	25	E	45	e	65
ack	06	&	26	F	46	f	66
bel	07	'	27	G	47	g	67
bs	08	(	28	H	48	h	68
ht	09	)	29	I	49	i	69
lf	0A	*	2A	J	4A	j	6A
vt	0B	+	2B	K	4B	k	6B
ff	0C	,	2C	L	4C	l	6C
cr	0D	-	2D	M	4D	m	6D
so	0E	.	2E	N	4E	n	6E
si	0F	/	2F	O	4F	o	6F
dle	10	0	30	P	50	p	70
dc1	11	1	31	Q	51	q	71
dc2	12	2	32	R	52	r	72
dc3	13	3	33	S	53	s	73
dc4	14	4	34	T	54	t	74
nak	15	5	35	U	55	u	75
syn	16	6	36	V	56	v	76
etb	17	7	37	W	57	w	77
can	18	8	38	X	58	x	78
em	19	9	39	Y	59	y	79
sub	1A	:	3A	Z	5A	z	7A
esc	1B	;	3B	[	5B	{	7B

Setting Symbology Specific Label Identifiers (Label I.D.) (Continued)

4. Scan the label representing the symbology whose label identifier you wish to modify.

In our example, we would scan the 'UPC-A' symbology label.

5. Identify and scan the digits that correspond to the Hex Values.

The hex values from the ASCII chart that correspond to 'A1' from our example are as follows: $41_{\text{hex}} = 'A'$, and $31_{\text{hex}} = '1'$. Thus, we would scan digit programming labels in this order: 4, 1, 3, 1.

6. Scan the END label.

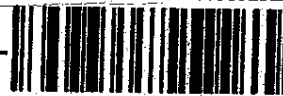
In our example, you have changed the default label identifier prefix for UPC-A from 'A' to 'A1'.

SET



X

DISABLE LABEL I.D. CONTROL



X

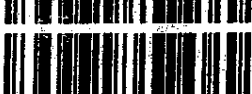
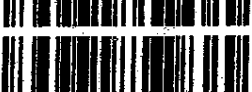
TRANSMIT LABEL I.D. AS PREFIX



TRANSMIT LABEL I.D. AS SUFFIX



**Label I.D. Symbology Selection
(Continued)**

SET SYMBOLGY SPECIFIC LABEL IDENTIFIER FOR:	EAN-13 w/2 DIGIT ADD-ON	
	EAN-13 w/5 DIGIT ADD-ON	
	EAN-13 w/C128 ADD-ON	
	CODE 39	
	CODABAR	
	INTERLEAVED 2 OF 5	
	STANDARD 2 OF 5	
	CODE 93	
	CODE 128	
	MSI/P _{LESSEY}	
END		X

atures during a single programming
fined as the period of time between
'end' label). However, this recommended
can be difficult to discover where an error
e in the programming sequence. Addition-
l features may or may not have been

Mode, before scanning the END label, scanning labels scanned during the current inner to return to its previous settings.

Programming Mode

can be entered by scanning a SET
barcode at the duty cycle while the
barcode is in Programming Mode,
code labels and will only enable
pre-interfaces.

bar code labels — the
 sounding an error tone (six rapid

by the active interface, the

has been entered, the error tone (beeps). Additionally, when entering you to scan single digits such as Minimum Label (000000) and before you hit the error tone and cause another beep. Under these circumstances, trying to set the label number during the

If You Make a Mistake...

If, during a programming session, you find that you are unsure of the scanner's settings or wish to reset the scanner's configuration, use the Return to Factory Settings label on this page to return the scanner's configuration to the factory settings. Scanning this label will also reset any changes made during previous programming sessions.

Return to Factory Settings

Scan this label to return the scanner to the default settings configured at the factory for your scanner's original interface specifications. This label is typically used to return the scanner to a "known" operating state when the present programming status is not known, faulty, or suspect.



Use this label with caution, since it will disable ALL features that may have been programmed since the scanner's installation.



If you don't have a record of your site/system's original configuration, you may need to call your nearest service depot for assistance to return the scanner to normal function. Please be prepared to provide information about the store/chain, location, POS system and other pertinent information about the scanner being repaired.