

VRX Company
Inc.

**Application Note:
VR2004
Programmer's
Manual**

VRX Company Inc.

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Document Scope

The user can program the VR2004 Text Insertter for one of several Point of Sale Pole display protocols (or command sets); however, this document will only cover the basics current for the POS Generic Mode of the VR2004.

VR2004 POS Generic Mode Control Codes

Setup:

Through the user interface (see the Users Manual), set the VR2004 for DB9 Dev = "GENERIC" and set the DISPLAY MODE for "2 LINE, POLE". The VR2004 will interpret the Clear Screen code as Clear Screen. If you set the VR2004 for "USE ALL LINES", the VR2004 interprets the Clear Screen code as a CR/LF.

Command Codes:

Function	Code	Notes
Clear Screen	0x0C	ASCII FF
Next Line	0x0D/0x0A	CR/LF

Table 1 Control Codes

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VR2004 ASCII Mapping Table

The VR2004 maps most of the codes within the ASCII range of 0x20 and 0x7F to printable characters. However, the VR2004 suppresses some characters within this range. Also, note that some of the characters will appear slightly different on the VR2004 than on a PC.

	0x20	0x30	0x40	0x50	0x60	0x70
0x00	SPACE	0	X	P	,	p
0x01	!	1	A	Q	a	q
0x02	"	2	B	R	b	r
0x03	NOTE #	3	C	S	c	s
0x04	SPACE	4	D	T	d	t
0x05	%	5	E	U	e	u
0x06	&	6	F	V	f	v
0x07	'	7	G	W	g	w
0x08	(	8	H	X	h	x
0x09	)	9	I	Y	i	y
0x0A	*	:	J	Z	j	z
0x0B	+	;	K	[	k	((
0x0C	,	<	L	?	l	|
0x0D	-	=	M	] UP	m)
0x0E	.	>	N	ARROW	n	~
0x0F	/	?	O	-	o	GRAPH ICS, BLOCK CHAR ACTER

Table 2 ASCII Character Mappings

Display Format

The VR2004 displays up to 24 characters on up to 12 lines. See the User Manual for instructions to change the number of characters or lines.

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