

RASTER TECHNOLOGIES
MODEL ONE TECHNICAL NOTE:
KEYBOARD

Revision 1.0 May 12, 1983

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Technical Note: Keyboard
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WARNING: This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause interference with regard to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required correct the interference.

TECHNICAL NOTE: KEYBOARD

This technical note describes the Raster Technologies' keyboard from installation through use.

Installation

The keyboard is connected to the Model One's KEYBSIO port using the standard RS-232 connector.

As soon as the keyboard is connected, it can be used for input to the Model One. However, the alphanumeric windows must be enabled (ALPHEM ON) before text typed at the keyboard will be echoed on the screen. See the Alphanumeric Terminal Emulation Programming Guide for details of the alphanumeric windows.

If the Model One's internal configuration has been factory set for alphanumeric windows - as determined at the time of purchase - the Model One will coldstart with the alphanumeric windows enabled. In this case, text typed at the keyboard will be echoed immediately, and the ALPHEM ON command will be ignored (no error is generated).

The default internal configuration for the Model One sets the KEYBSIO port to the VT100 keyboard configuration. (Call Raster Technologies or your local representative if you have another keyboard, as you will have to change the configuration before the keyboard can be used.)

Features

The Raster Technologies keyboard uses the 83-key VT100 format. The function keys, arrow keys, and numeric keypad are assigned to the button table and execute certain macros directly when pressed, as follows:

Arrow keys:

+-----+	+-----+	+-----+	+-----+
M16	M17	M18	M19
+-----+	+-----+	+-----+	+-----+

MXX = macro number

Numeric keypad and function keys:

+-----+	+-----+	+-----+	+-----+
M20	M21	M22	M23
+-----+	+-----+	+-----+	+-----+
+-----+	+-----+	+-----+	+-----+
M24	M25	M26	M27
+-----+	+-----+	+-----+	+-----+
+-----+	+-----+	+-----+	+-----+
M28	M29	M30	M31
+-----+	+-----+	+-----+	+-----+
+-----+	+-----+	+-----+	+-----+
M32	M33	M34	
+-----+	+-----+	+-----+	
+-----+	+-----+	+-----+	M37
	M35		M36
+-----+	+-----+	+-----+	+-----+