

AED 512 FIRMWARE UPDATE LOG

3/22/82

- 89F. 1. Bug Fix. Bug introduced in V88.91 blinking cursor would not work in local mode.
2. Bug Fix. Bug introduced in V88.91 boundary fill would be overlay fill.
3. New Function. If opt. dip switch 5 is up and bit 9 is set the terminal will not generate an interrupt after receipt of command or data.
4. Bug Fix. Terminal will now send all the pixels in a A01 DMA transfer where the A01 contains an odd no. of pixels. Previously would not send the last byte.
5. New Function Added to "SIF". Will now accept "M" (Mixed Mode) similar to "P" (Parallel). All returned operands go out parallel port but keystrokes go out serial port. Note!!!! The parallel command "SKS" (Send Key Stroke) will not work in this mode.
6. Bug Fix. Terminal would hang if cursors were unlinked and home instruction executed.
7. Bug Fix. "SAP" "." will now leave character size unchanged. Previously would select double sized characters.
8. "DFD" Draw filled rectangle much faster than before.
9. New Function. "FRR" (DX,DY) Draw filled rectangle relative from cap to cap X + DX, CAPY + DY leaving CAP at CAP + DX, CAPY + DY where DX,DY are signed 8 bit nos.
Single Char = ", " Dec. 44
10. Tektronix emulation enhancement, terminal will now wrap around instead of scrolling in alphanumeric mode after the first Tek graphics command.
- V90. 1. Tektronix emulation improvement. The Tek command ESC ENQ will now return the correct coordinates with respect to which mode (ALPHA or GIN) the terminal is in when executed.
- V91. 1. Tektronix emulation improvement. The terminal will now place text on the first visible line of the screen instead of in the invisible part of video memory.
2. SUPERROAM Bug Fix. After an earase while panned to non-standard origins termial would only draw in lower half of the SUPERROAM space.
- V92. 1. SUPERROAM Bug Fix. Strange things would happen if Sup 0 executed without ever having gone into SUPERROAM.
2. Tablet Bug Fix. Terminal would send garbage pen hits. Also calling sequence changed, if IDCHAR is a control A (IDEC.) pen status is not sent unless requested by RTP Command. Status will now be sent on pen/button down and up prev. status sent only on pen down. If IDCHAR is a control another IDCHAR msut be sent.

- V92.
3. New Function RTP Read Tablet Position. Sends pen status and coordinates as in etc. single char is 124 DEC. (vert. bar).
 4. Draw multiple vectors bug fix. With some color table setup sequences and after an interior fill would draw multiple filled rectangles.
 5. HEX Encoding Bug Fix, letters A-F sent as 1st character for Ctype converted wrong.
 6. Full Screen Cursor Bug Fix. Would not work properly in Plane = 128.
 7. DSP Function Added; Define stippled pattern (for filled rectangles) calling sequence is "+" (43 DEC), "!" (33 DEC), NO., pattern where pattern is a sequence of 8 bytes to describe a pattern that filled rectangles will be filled with and no. is pattern no. the sequence + ! can be replaced by rubout (127 DEC.).
 8. SPF Function Added; select pattern fill (for filled rectangles) calling sequence is "'" (34 DEC.), no. where no. is pattern number causes all filled rectangle drawing to fill with pattern no.