

This ReadMe is in regard to using the Assembler/Editor with a high speed reader/punch attached to the console serial port with an A/B switch that allows choosing between the console terminal or the reader/punch.

Create the required paper tapes first: Punch a tape with BINLOAD.S19 and punch a second tape with ASMEDT.TAP

To load the Assembler/Editor, use the monitor "L" command to load the BINLOAD tape (type "L" command, switch A/B to the reader, activate the reader, let the tape finish reading, then switch A/B back to the terminal). Now press return once or twice to verify you are back in the monitor as expected.

Next, install the Assembler/Editor paper tape in the reader, type "J 3F00" to execute BINLOAD, switch A/B to the reader, and activate the reader. When the tape finishes loading, switch A/B back to the console within 3 seconds, after which time BINLOAD jumps to the entry address of the Assembler/Editor.

The E command in the editor is used to punch a tape of the source file. Once you type ESC-ESC to activate the E command, you have three seconds to switch A/B to the punch. You may want to advance some blank leader on the punch before issuing the E command. Output of the E command is limited to about 49 cps to not overrun a 50 cps punch. Once the punch operation completes, you have three seconds to switch A/B back to the terminal to prevent the command prompt from being punched to the tape.

The I command in the editor can be used to load a paper tape punched with the E command.

The assembler 2T pass command punches an S-Record tape of the assembly binary output. Once you issue the 2T command, you have three seconds to switch A/B to the punch. The punch output is limited to about 49 cps to not overrun a 50 cps punch. Once the punch operation completes, you have three seconds to switch A/B back to the terminal to prevent the command prompt from being punched to the tape.

The file "APATCH (ASM-EDT).ASM" contains the patches made to the Assembler/Editor to make it operate as outlined above.