Extended ROM BASIC 16K

This is the real ROM-based product from MITS that executes directly from ROM and therefore does not use RAM to store BASIC itself.

Loading the Extended BASIC ROMs

Use the Clone's Configuration Monitor to load the eight .hex files in this directory into eight PROM slots in the Clone. Since these are .hex files, they will automatically load at the right address. These files will use all eight available PROM slots, however, the disk bootloader is part of the last BASIC ROM and is therefore, still available (see below for details).

Running Extended BASIC from ROM

To run Extended BASIC from ROM, examine address 140000 octal (C000 hex). Then set the sense switches to identify the type of I/O port used for your terminal device. These settings are the same as used for all MITS software products from version 4 up. Finally, depress the RUN switch to start ROM BASIC.

Sense Switch Settings (A15-A8)

0000 0000	2SIO with 2 stop bits
0001 0000	2SIO with 1 stop bit
0010 0000	SIO port (not rev 0)
	etc.

Disk Bootloader, Altair DOS, CP/M

The Disk Bootloader is present in the last BASIC ROM and can still be executed when needed by examining octal address 177400 (FF00 hex) to load Altair DOS, CP/M, etc.

Since Extended BASIC in ROM leaves only 48K of RAM, you'll need a 48K or smaller CP/M to run when Extended BASIC is in ROM. Use MOVCPM and SYSGEN to create a smaller CP/M if required.