

program or file by name. After receiving the TLoad command, CONSOL turns on the cassette player and waits for the next header, then uses the header information and loads the file to memory. The cassette recorder must be in play mode and properly connected before executing the TLoad command.

After loading the data, CONSOL returns to the command mode where the EXEC command can be used to execute the just loaded program. Also, a return can normally be made to the command mode by pressing the MODE SELECT key. Space limitations again limited escape during the header search, so if the system locks up in this routine the standard Sol restart must be used. To restart the Sol press UPPER CASE and REPEAT keys simultaneously.

The CUTS cassette interface electronics within the Sol will record or receive data at either of two standard speeds. TLoad will accept a parameter to select this speed, 0 being high speed and 1 being low. (1200 and 300 bits per second respectively). If no parameter is given CONSOL will default to high speed operation as all standard Processor Technology Sol-System Software is recorded at this speed.

9.1.4 EXecute addr

The execute command is used to run programs located in external memory. CONSOL branches to the external routine in a manner similar to an 8080 CALL instruction so the program can return to the command mode using a standard 8080 RET instruction if normal stack operations are used.

9.1.5 BASic

The BASic command is provided for executing programs whose starting address is 0, such as Sol-BASIC5.

9.2 STANDARD I/O ROUTINES

All Sol System personality modules contain similar I/O code for input/output operations. CONSOL, using 1K of memory, has routines for KEYBOARD and SERIAL PORT input as well as Serial Communications Channel and VIDEO DISPLAY OUTPUT. Although the same code for SOLOS and SOLED contains expanded functions, the I/O operations appear almost identical when used with external software.

Sol-BASIC5, for example, performs all I/O using the jump table of the personality modules. Thus, without altering BASIC the user may output to either the serial port or to the display screen. Provision is also made within BASIC to programatically change to any of the four available Input or Output options. CONSOL is of course limited to the two provided.