

## PCGET and PCPUT

These programs make it easy to load a file from the PC into a CP/M system (PCGET) or write a file from a CP/M system to a PC (PCPUT). The XMODEM protocol is used for file transfer. The program uses 2SIO port A by default, however, if the command line is followed by a B, then file transfer takes place over the 2SIO's port B.

Once PCGET is on the CP/M system, subsequent file transfer – including retrieval of the PCPUT program – is simple. However, getting PCGET onto the CP/M machine to begin with is the classic chicken and egg quandary.

Following is a way to get PCGET onto a CP/M system for the first time using PIP and LOAD on the CP/M system. This requires a terminal emulator or file transfer program that can insert a delay between each character sent.

First, PIP is used to copy the Intel Hex version of PCGET to the CP/M system and save it as PCGET.HEX, then LOAD is used to create the executable PCGET.COM

```
A>PIP PCGET.HEX=CON:[H] (press RETURN and wait for CP/M to load PIP at which time  
you'll see a line-feed. No space between : and [H])
```

*Assuming Tera-Term, use the "Setup->Serial Port..." menu option to set the transmit delay for "msec/char" to 10. Then send the file "PCGET.HEX" using simple ASCII transfer. You will see the hex file displayed as it is transfers. It is OK if some lines don't display at the left edge of the screen. File transfer will continue for a while after the file transfer dialog box closes. This is normal.*

*When file transfer is complete, type Ctrl-Z to signal end-of-file. PIP will exit to the A> prompt after a short delay for CP/M to warm start.*

```
A>LOAD PCGET
```

```
FIRST ADDRESS 0100  
LAST ADDRESS 03FB  
BYTES READ 02FC  
RECORDS WRITTEN 06
```

```
A>PCGET PCPUT.COM (use PCGET to retrieve PCPUT)  
Send the file now using XMODEM...
```