

# Technovision Inc.

## HEX DOWNLOAD Reference Guide



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### Downloading programs into the KPC2

You will require a KPCPRG cable to download programs from your computer to the KPC2 - this cable is available from Technovision.

You must first remove the lid from the KPC2 to access the BOOTSTRAP ENABLE button.

To begin downloading the HEX file to the KPC2 you must hold down the "BOOTSTRAP ENABLE" button within the KPC2 **WHILE POWERING UP THE KPC2**. Once you press the BOOTSTRAP ENABLE button, the current program within the KPC2 is erased and the controller will enter download mode.

You can then transfer the new program (HEX) file to the KPC2 by using the "SEND TEXT FILE" option in HyperTerminal (or any Terminal program), to the KPC2 at 57600 baud, 8 bits, no parity, 1 stop and HARDWARE FLOW CONTROL.

**THE TRANSFER DOES NOT USE A TRANSMISSION PROTOCOL - JUST THE BASIC "SEND TEXT FILE" OPTION.**

Even though the extension of the file is .HEX, you can either rename the program file with a .TXT extension or simply select the \*.HEX option when viewing the files available to download in HyperTerminal.

When you are transferring the HEX (text) file "....." will display on your terminal screen. At the end of the transfer, an "S" will indicate a successful transfer. If you receive a "F" (failure) or do not get the "S", repeat the download process.

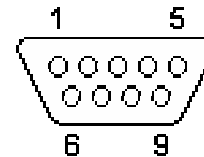
Here are additional notes:

Using a Windows 98 machine you must ensure that the FIFO buffers are disabled.

### You can verify this by:

- 1) Open the "Control Panel" window and double click on the "System" folder
- 2) Select the "Device Manager" page
- 3) Double click on the "PORTS (COM & LPT) devices" menu option to expand the menu to show the individual ports on the machine.
- 4) Double click on the "COM PORT" that will be used for downloading the program to open the "Communications Port (x) Properties" window
- 5) Select the "Port Settings" page
- 6) Click on the "Advanced" box to open the "Advanced Port Settings" window
- 7) Within this window the "Use FIFO Buffers (requires 16550 compatible UART)" option must be DISABLED - make sure there is no tick in the box.

### COMM port (DB9 MALE)



PIN#	Description
1	nc
2	RX1 (RS232 input)
3	TX1 (RS232 output)
5	Ground
7	TX2 (RTS/RS232 output)
8	RX2 (CTS/RS232 input)
9	Regulated 5 Vdc output

For technical assistance please contact  
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