

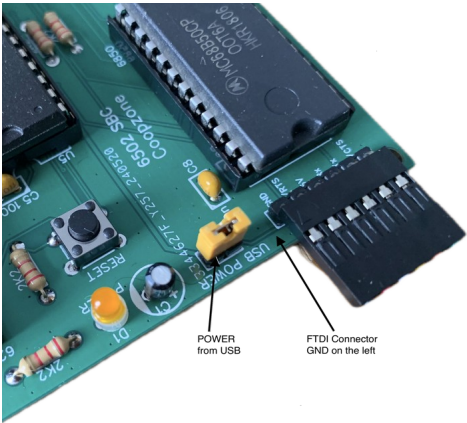
6502 Minimal system 32k version (notes)

Power and FTDI cable.

The board is supplied with the FTDI adapter/cable connected ready to use USB power.

If you use the expansion header and supply power via it. You must remove the USB POWER 2-pin header, use only one source of power.

This version of the board has a power on reset, it has an inbuilt delay of about 2 seconds. Sometimes terminal software does not recognise the FTDI adapter quickly enough and you still may need to press RESET manually.



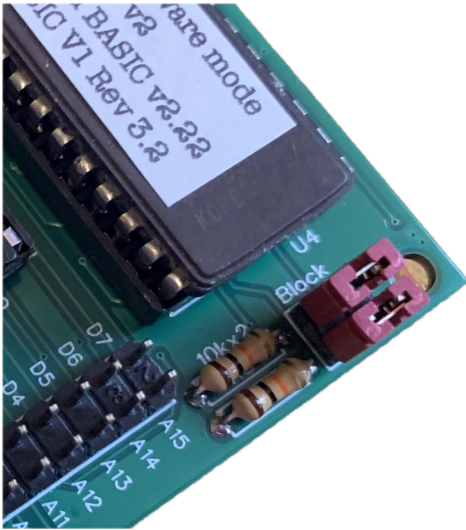
If your using windows please make sure you have installed the drivers for the FTDI adapter (on most versions of windows this will happen automatically when you plug it in). Check in device manager to make a note on the COMx port it's on.

Terminal Software

Your terminal software needs to be configured for 115000 baud, 8bit, 2 stops, hardware flow control. Although the board supports hardware flow control, due to the method used by Grant's design and some driver software still try's to buffer the communications. It is quite likely you will need to set an end of line delay and a character transmission delay. Experiment a little.

Rom Select

You can use the jumper "Block" headers A14,A15 to select the version of basic or Apple 1 mode to start the board in. ONLY change these headers when the power is off!



You have the following options:

	A14 Jumper	A15 Jumper
Apple 1 Software mode	OFF	OFF
Enhanced BASIC V2.22	OFF	ON
BBC Basic V2 (cutdown)	ON	OFF
OSI MSBASIC V1 rev 3.2	ON	ON

PTO

Powering-up example with OSI rom image selected

(Note: Due to a minor bug in OSI basic, occasionally you may find the MEMORY SIZE? Will return S/N Error, please power cycle if this happens)

Power on the board by connecting to a USB socket, try to avoid extender boxes/hubs etc, and press the RESET button.

You will see, for OSI BASIC

Cold [C] or warm [W] start?

Press C. The following will then be displayed:

MEMORY SIZE?

Press the [Enter] key to use all available. After a few seconds (memory test) the following will appear on the terminal:

TERMINAL WIDTH?

Press the [Enter] key to use the default. You will then be presented with the BASIC startup message:

32255 BYTES FREE

**OSI 6502 BASIC VERSION 1.0 REV 3.2
COPYRIGHT 1977 BY MICROSOFT CO.**

OK

Away you go..... remember these versions of BASIC are case sensitive and expects commands etc in upper case.

You can cut/past to the terminal software to download programs. Or use send a file, choose ASCII transfer.

Some programs, documentation and information can be found on my github site, as examples for you:

<https://github.com/coopzone-dc/6502basic32k>

NOTE: When in Apple 1 mode, PUT the CAPS lock on – no lower case in most of the applications and WozMon.

Have fun.

Derek