

# USB - CNC Interface for Mach3

This interface is designed specifically for Mach3 CNC control. With parallel ports becoming harder to find, and the old step/direction speeds running a little to slow for modern High resolution Servomotors, this unit plugs into a spare USB port and gives you the equivalent of 2\* LPT ports dedicated to your CNC. And with speeds of up to 4Million Steps/second!



Incorporating a Smoothstepper™, which was designed and built by Warp9td in the USA, we have had such success with this unit we have packaged it up professionally in an alluminium enclosure with DB25 ports ready and safe for you to attach to your machine.

Not only does this unit give you a high speed port to your existing Breakout Board, it also gives you a second port which can be configured for extra axes (up to 6 axes total), inputs, outputs, OEM triggers or even Safety switch circuits, something that was hard to achieve on a single port computer.

It is powered directly from the USB port itself, so there are no extra power supplies required.

Installation is quite simple and straight forward, just plug it into the USB port and the computer will recognise it and ask for the drivers (which are supplied with it on disk). Once the USB drivers are installed, insert the supplied plugin into Mach3 and you are ready. Just as it physically has 2 DB25 ports, in Mach3 you use the 2 ports in the setup just as if you had a computer with 2 ports, each input and output can be configured just as if they were standard printer ports.



NB Due to possible differences in ground potentials, this unit should not be used where the controller is some distance from the computer, or where large Inverter driven Spindles are used. Always ensure the computer and CNC Controller are earthed to the same ground point and a good quality USB cable is used.