

Stepper Motor - Wiring

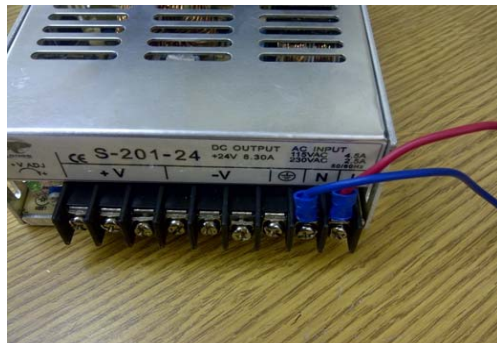
Blue
Red
Green
Black

Yellow Not used
White Not used



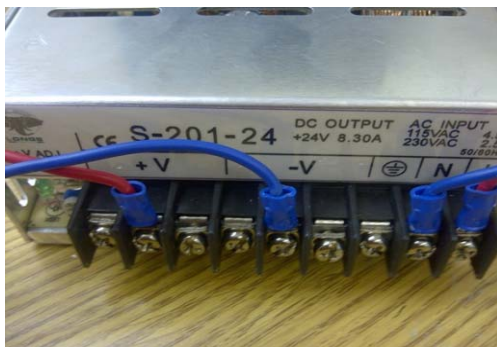
Select Input Voltage

110v or 220v



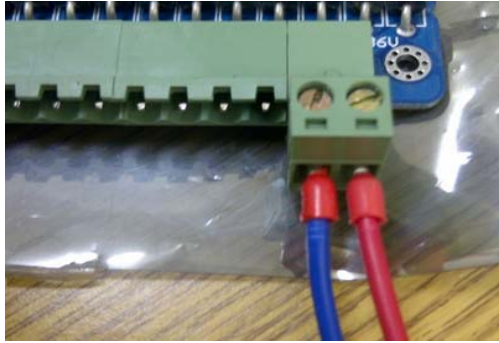
Power in to the Power Supply
110v or 220v

Red Live
Blue Neutral

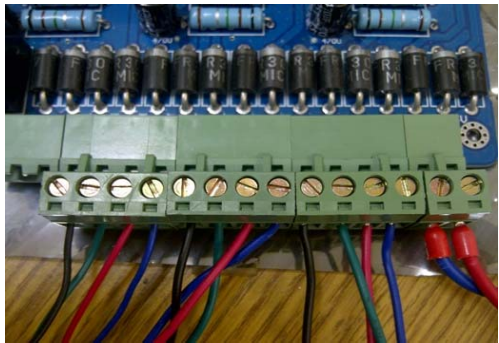


24v Power out

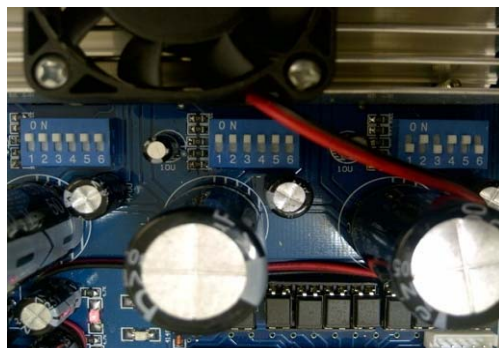
Red Live
Blue Neutral



24v supply to the TB6560 Board



Stepper Motors Connected

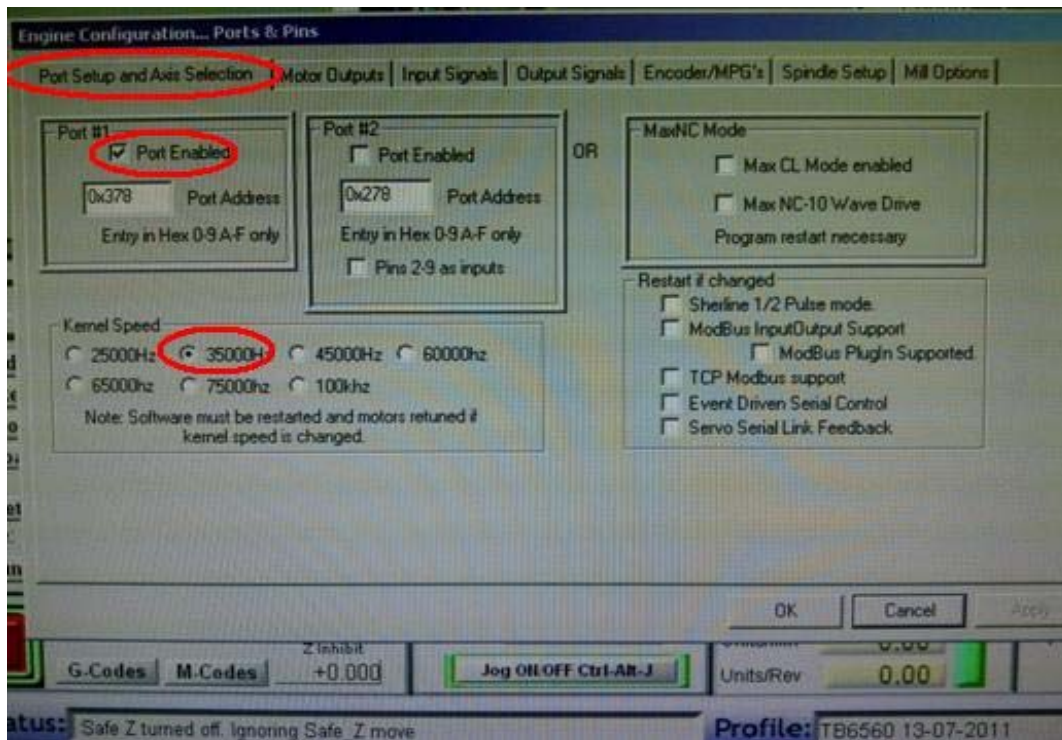


DIP Switches

Nema 23 X Axis	Nema 23 Y Axis	Nema 17 o Z Axis
1 ON	ON	OFF
2 ON	ON	ON
3 ON	ON	OFF
4 ON	ON	ON
5 ON	ON	ON
6 ON	ON	OFF

Mach3 Settings

Port Set Up and Axis Selection



Motor Outputs



Input Signals 1

Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | **Input Signals** | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Signal	Enabled	Port #	Pin Number	Active Low	Emulated	HotKey
X ++	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
X --	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
X Home	<input checked="" type="checkbox"/>	1	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
Y ++	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
Y --	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
Y Home	<input checked="" type="checkbox"/>	1	13	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
Z ++	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
Z --	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
Z Home	<input checked="" type="checkbox"/>	1	11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
A ++	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
A --	<input checked="" type="checkbox"/>	1	n	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	n

Pins 10-13 and 15 are inputs. Only these 5 pin numbers may be used on this screen

Automated Setup of Inputs

OK Cancel Apply

G-Codes M-Codes Z Inhibit +0.000 Jog ON/OFF Ctrl-Alt-J Units/Rev 0.00

Status: Profile: TB6560 13-07-2011

Input Signals 2

Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | **Input Signals** | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Signal	Enabled	Port #	Pin Number	Active Low	Emulated	HotKey
Input #3	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
Input #4	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
Probe	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
Index	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
Limit Ovrd	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
EStop	<input checked="" type="checkbox"/>	1	12	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
THC On	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
THC Up	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
THC Down	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
OEM Trig #1	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0
OEM Trig #2	<input checked="" type="checkbox"/>	1	n	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	n

Pins 10-13 and 15 are inputs. Only these 5 pin numbers may be used on this screen

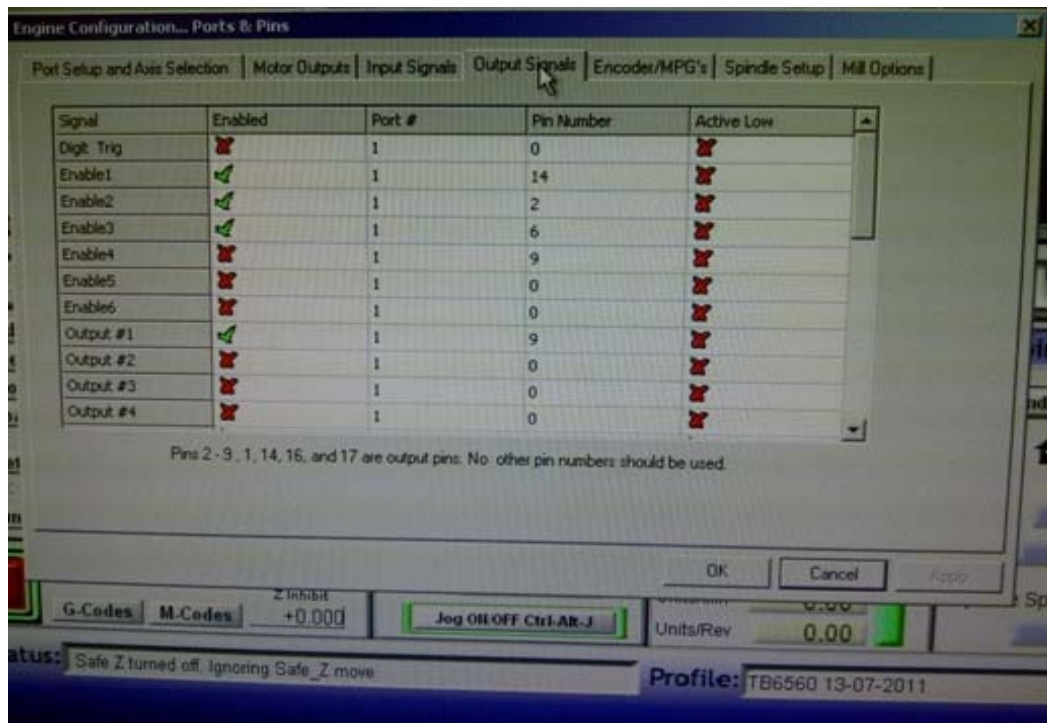
Automated Setup of Inputs

OK Cancel Apply

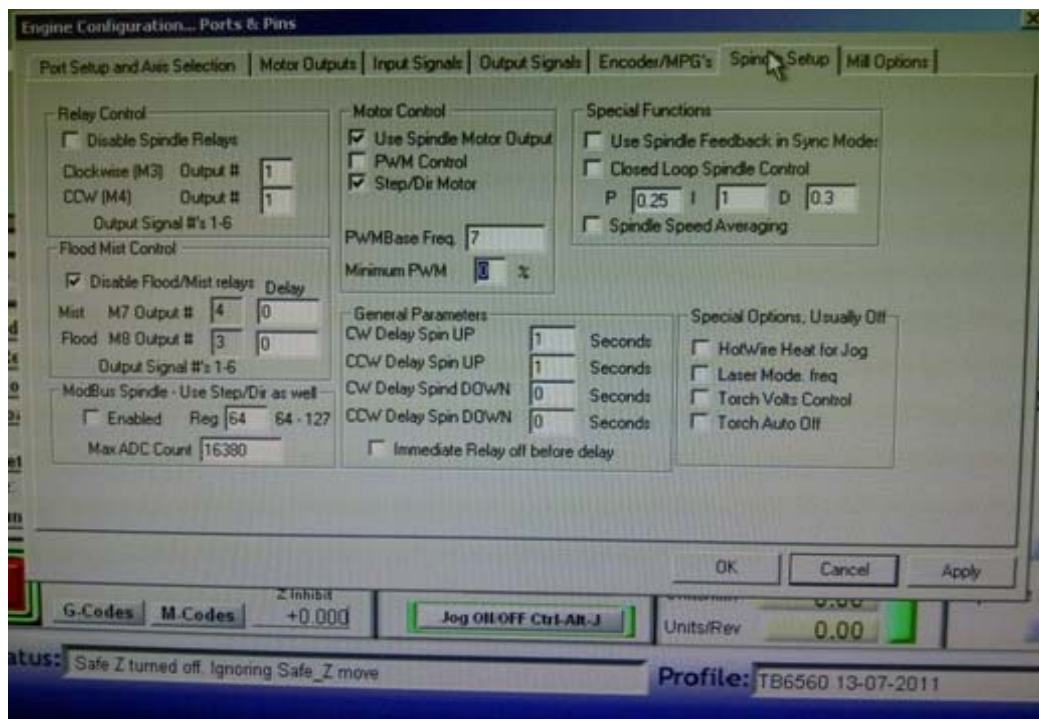
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Output Signals



Relay - Spindle Set Up



Y Axis Motor Movement Profile

