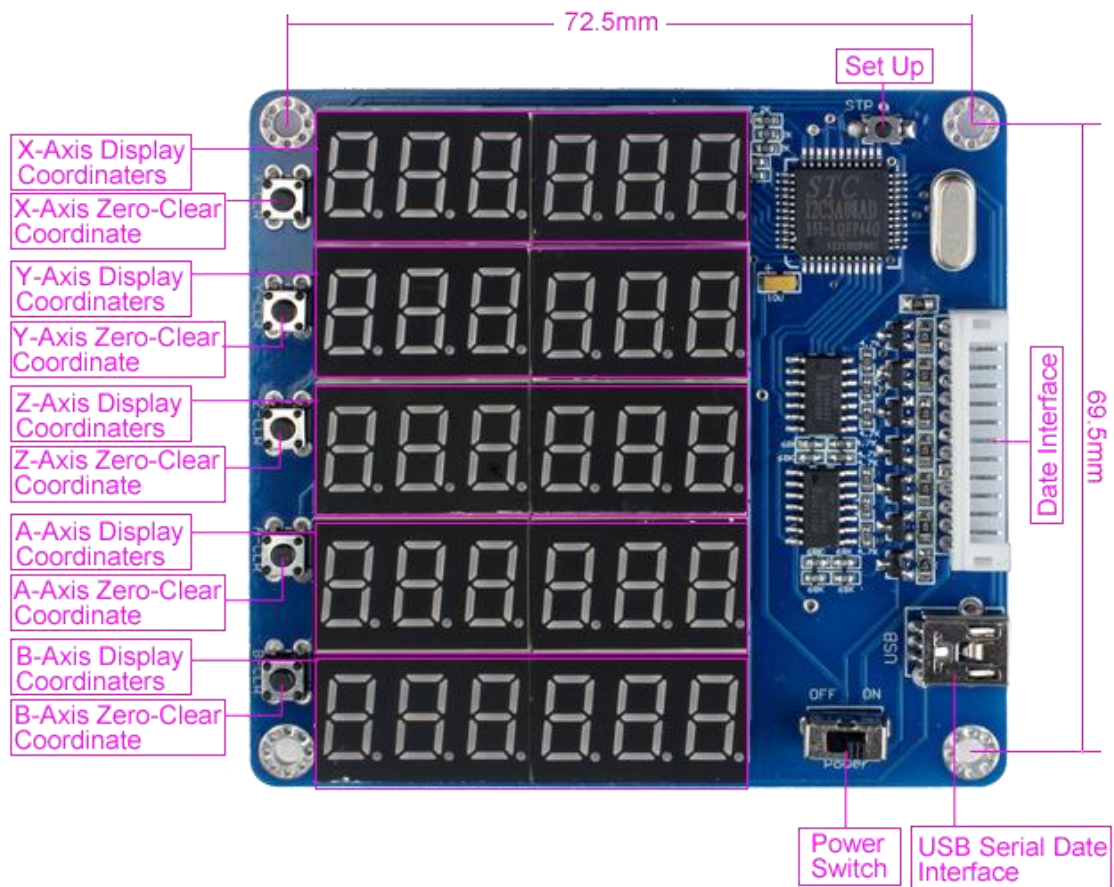# 5-Axis Digital Display Module Manual

This product is specially designed for the 5-axis breakout board. Please connect this digital display module to the driver board with the using the corresponding cable and the display module will obtain directly 5V power from the drive board, no need other extra power supply.

How to use it:

A: Connect the appropriate cable to the breakout board, and then switch on the power switch on the digital display module, the 5-axis display module will display the origin zero.

B: Set the required pulse amount for 0.1MM on each axis:

1: Press the "Setup (STP)" button, 5-axis display area on the digital display module will flash, and it indicates it has been on the set mode;
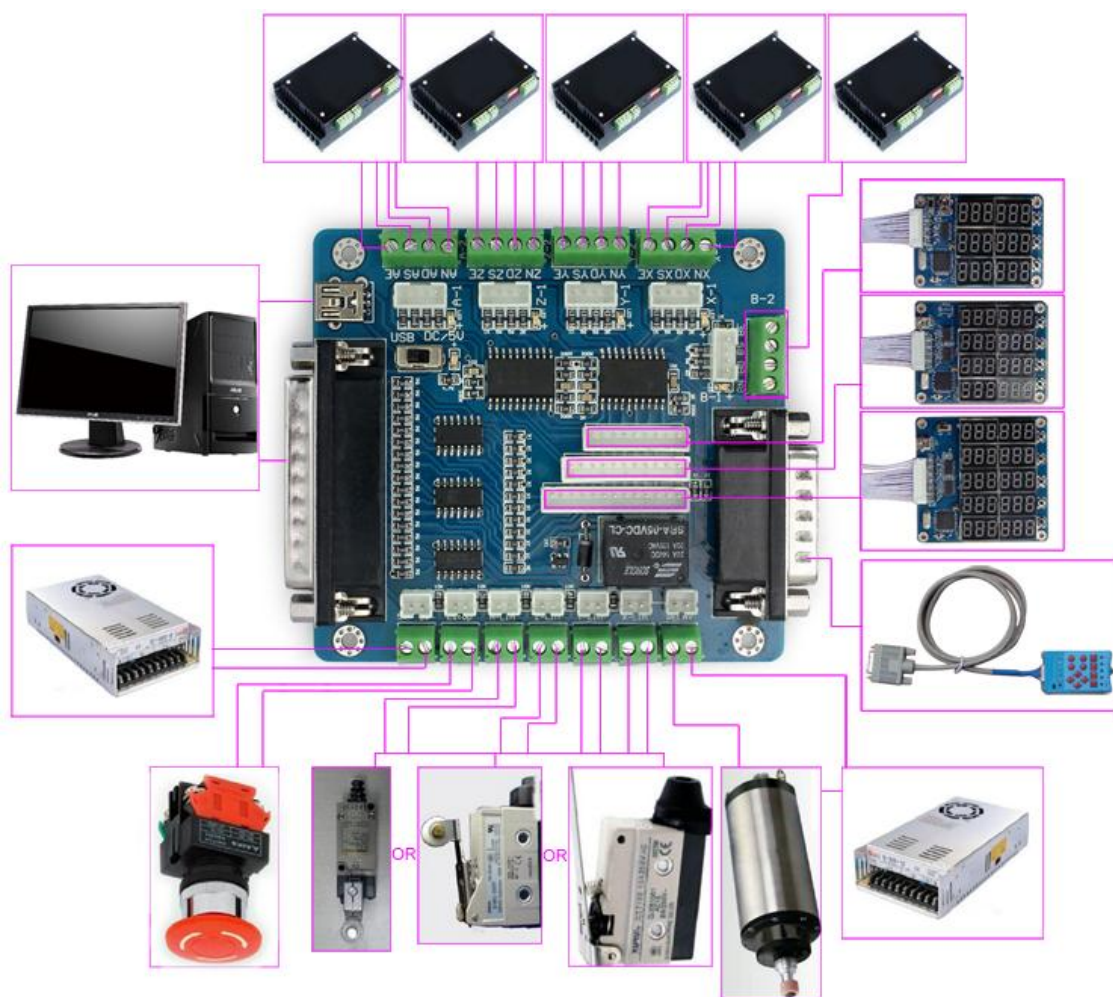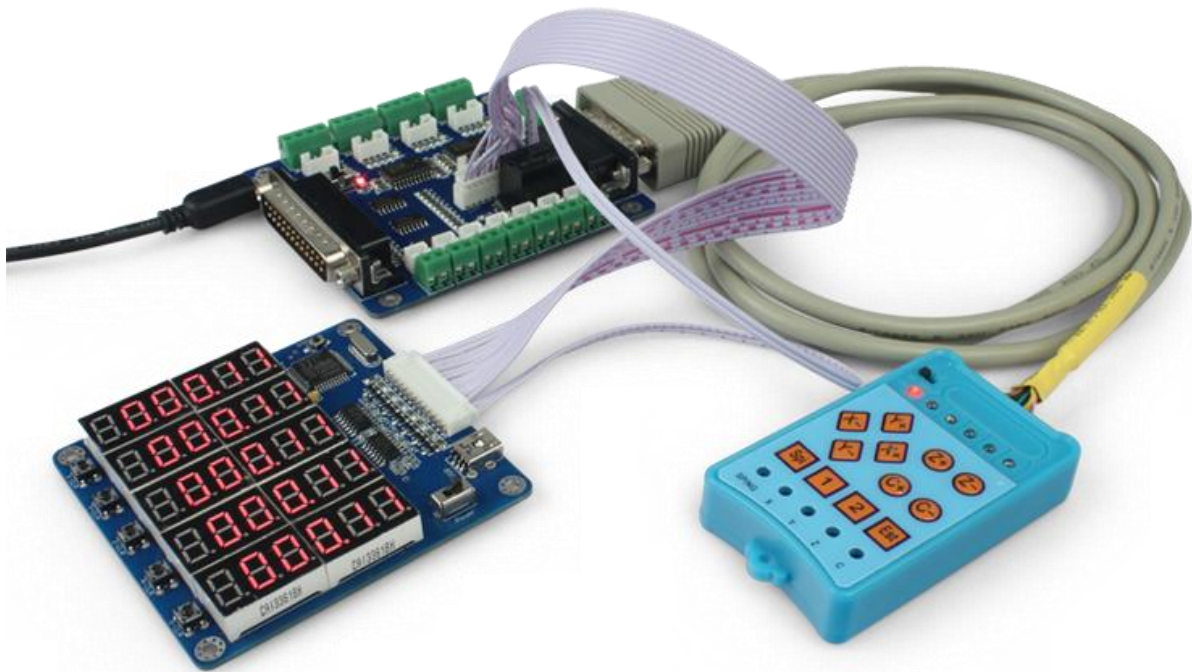
2: Press the corresponding black round "zero clearing" key at the left of the module for one time, the corresponding axis display area will plus 1, and please stop pressing it until the value of the 0.1MM required amount is enough;

3: Press the "Set (STP)" button again, the blinking on the 5-axis digital display area stops, and the set is OK, the state is entering the work mode from the set mode.

C: The display area will show the 5-axis coordinate's simultaneous values.

D: Press the corresponding black round "zero clearing" key on working state, the coordinates on the corresponding axis display "zero".

Wiring Diagram:

Setting example:

As required pulse of the 0.1MM on X-axis is equal 10; the required pulse of the 0.1MM on Y-axis is equal 20; the required pulse of the 0.1MM on Z-axis is equal 30; the required pulse of the 0.1MM on A-axis is equal 40; the required pulse of the 0.1MM on B-axis is equal 50

1: Press the "Setup (STP)" button, the display area blinking, entering in the set mode;

2: Press the "zero clearing" key on X-axis for 10 times, the digital value on X-axis is equal to 10;

3: Press the "zero clearing" key on Y-axis for 20 times, the digital value on Y-axis is equal to 20;

4: Press the "zero clearing" key on Z-axis for 30 times, the digital value on Z-axis is equal to 30;

5: Press the "zero clearing" key on A-axis for 40 times, the digital value on A-axis is equal to 40;

6: Press the "zero clearing" key on B-axis for 50 times, the digital value on B-axis is equal to 50;

7: Press "Setup (STP)" key, the flashing on display area stops, quit the set mode;

8: Set successfully. The setting parameters will be automatically stored permanently, and the setting parameters will be refreshed until the settings are set successfully on the module at the next time.