

STM17C

Integrated Motor

Quick Set-Up Guide

Requirements

You will need these items to set-up the STM17C:

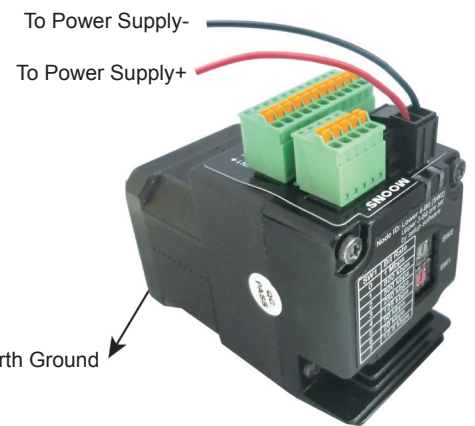
- a 12 - 48 volts DC power supply
- a small flat blade screwdriver for tightening the connectors (included)
- a PC running Microsoft Windows 98, 2000, NT, Me, XP, Vista, or Windows 7
- the MOONS' CD (included)
- the included RS-232 programming cable

Install the Software

- Install the ST Configurator software from the CD. For applications requiring complex motion, Q Programmer software may be used and should also be installed at this point.
- Launch the software by clicking Start...Programs...MOONS'.
- Connect the drive to the PC using the RS-232 cable.

Connect the Power Supply

- Connect the power supply "+" terminal to the drive "+" terminal & the power supply "-" terminal to the drive "-" terminal using 16 to 20-gauge wire.
- Be careful not to reverse the wires. Reversing the connection may open the internal fuse and void the warranty.
- If a regulated power supply is being used, there may be a problem with regeneration that can be solved with the use of a MOONS' RC050 Regeneration Clamp. Please see the MOONS' website or the STM17C User Manual for more information.

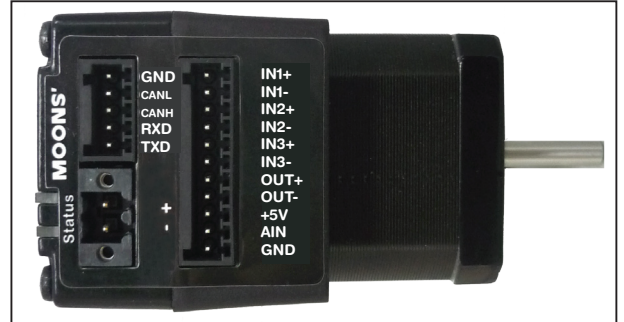


Configure the Drive

- Apply power to the drive
- Set the Node ID - Each node ID on a CANopen network must have a unique Node ID. The Node ID is configured using a sixteen position switch to set the lower four bits of the Node ID while the upper three bits are configured by using ST Configurator. Follow the steps on the ST Configurator screens to set up the Motor and CANopen Node ID.
- Set the Bit Rate - The CANopen network bit rate is configured with the eight position switch on the top of heat sink. The bit rate must be the same for all nodes on the CANopen network.

Switch Setting	Resultant Bit Rate
0	1 Mbps
1	800 kbps
2	500 kbps
3	250 kbps
4	125 kbps
5	50 kbps
6	20 kbps
7	12.5 kbps

- Recycle the power after setting all the Node ID and Bit rate.



Safety Instructions

- Only qualified personnel should assemble, install, operate, or maintain this equipment.
- Read all available documentation before assembly and operation.
- It is vital to ensure that all system components are connected to earth ground.
- This product contains electrostatically sensitive components that can be damaged by incorrect handling.