



Requirements

To begin, make sure you have the following equipment:

- A small flat blade screwdriver for tightening the connectors (included).
- A personal computer running Microsoft Windows 98, 2000, ME, NT, XP, Vista or 7.
- ST Configurator™ software (available at www.applied-motion.com).
- 3 pin spring connector (included) for connecting to the CAN network.

• For more detailed information, please download and read the STM23 Hardware Manual or STM24 Hardware Manual, available at www.applied-motion.com/support/manuals.

Step 1 - Wiring

• Wire the drive to the DC power source.

Do not apply power until Step 3.

Note - the STM23C and STM24C accepts DC voltages from 12-70V. If using an external fuse, we recommend: STM23: 4 amp fast acting, STM24C: 5 amp fast acting.

See the STM23 or STM24 Hardware Manuals for more information about power supply and fuse selection.

- Connect I/O, if required by your application.
- Connect to CAN network.

Applied Motion Products STM23C and STM24C drives use a three-pin spring connector, that conforms to the DR303 specification. The connector should be wired in a daisy-chain configuration with a 120 Ohm resistor used to terminate each end.

Set BitRate, Node ID

CANOpen Bitrate - AMP CANOpen drives have three settings, one for Bit Rate and two for Node ID. The Bit Rate is configured using a ten-position switch. See Bit Rate table for the Bit Rate settings.

The Node ID is configured using a sixteen position switch to set up the lower four bits of the Node ID. The upper three bits of the Node ID are set using the *ST Configurator™*. Valid ranges for the Node ID are 0x01 through 0x7F. Node ID 0x00 is reserved in accordance to DS301 specification.

Note: The Node ID and Bit Rate is captured only after a power cycle, or after a network reset command has been sent. Changing the switches while the drive is powered on will NOT change the Node ID until one of these conditions has also been met.

• Connect the RS-232 programming cable.



Step 2 - ST Configurator

 Download and install ST Configurator[™] soft- ware, available at www.applied-motion.com. 	Windows Media Player Windows Media Player Applied Motion Products >	STAC6 Configurator
 Launch the software by clicking Start/Programs/Ap- plied Motion Products/ST Configurator 	lan) :	Si Programmer
 If you have any questions or comments, please call Applied Motion Products Customer Support 800-525-1609 or visit us online www.applied-motion.com. 		

Step 3 Configuration

a) Apply power to the drive.

b) Use the ST Configurator[™] to set up the motor current, limit switches, encoder functionality (if applicable) and Node ID.

c) The ST Configurator[™] includes a self test option (under the Drive menu) to verify that the STM23C or STM24C and power supply are correctly wired and configured.

d) When configuration is complete, exit the ST Configurator[™]. The drive will automatically switch to CANOpen Mode.

Integrated Motor	I/O Configuration	
Running Current Load Inertia 3.00 amps	Velocity Control Mode ✓ Use STEP input as Run/Stop command (closed = run) DIR input controls direction of rotation Speed 10 rev/sec 100 rev/s/s ✓ Speed proportional to analog input Analog Input Analog Input Analog Input File Drive Help Adve Drive STM 203-20N Revision Choose a Functi Tach Out	Curs arm output (Y3)

If you have any questions or comments, please call Applied Motion Products Customer Support: (800) 525-1609, or visit us online at www.applied-motion.com.



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