

TXM

TXM24 Ethernet Quick Setup Guide



Requirements

To begin, make sure you have the following equipment:

- A 12-70V DC power supply.
- A personal computer running Microsoft Windows 98, 2000, ME, NT, XP, Vista or 7 (32 or 64 bit) and Windows 8.
- Step-Servo Quick Tuner software (available at www.applied-motion.com/products/software).
- A 3004-277-5M power cable, 3004-290-5M I/O cable (optional), and a 3004-280-5M Ethernet cable.
- For more detailed information, please download and read the TXM24 Hardware Manual, available at www.applied-motion.com/support/manuals.

Step 1

- a) Download and install the Step-Servo Quick Tuner software.
- b) If you intend to connect the drive directly to your PC, configure your computer to use IP address 10.10.10.11. (For instructions on connecting your TXM drive to a local area network (LAN), please consult the TXM24 Hardware Manual)
- c) Do not connect the Ethernet cable to the TXM24 before applying power. This will cause the drive to use its recovery address, thus assigning itself IP address 10.10.10.10. (See the TXM24 Hardware Manual for further details on selecting IP addresses for the drive and PC)
- d) Launch the software by clicking: Start / All Programs / Applied Motion Products / Step-Servo Quick Tuner

Step 2

Wire the drive to the DC power source.

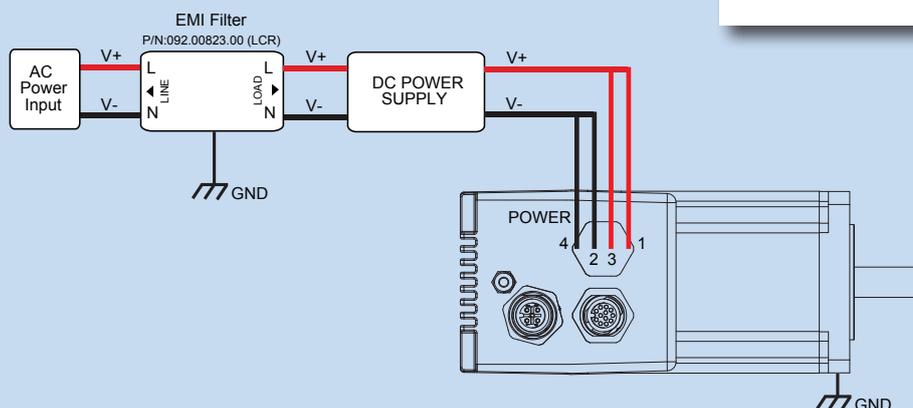
(Do not apply power until Step 3)

Note - the TXM24 accepts DC voltages from 12-70V. If using an external fuse, we recommend a 5 amp fast acting fuse.

(See the TXM24 Hardware Manual for more information about power supply and fuse selection.)

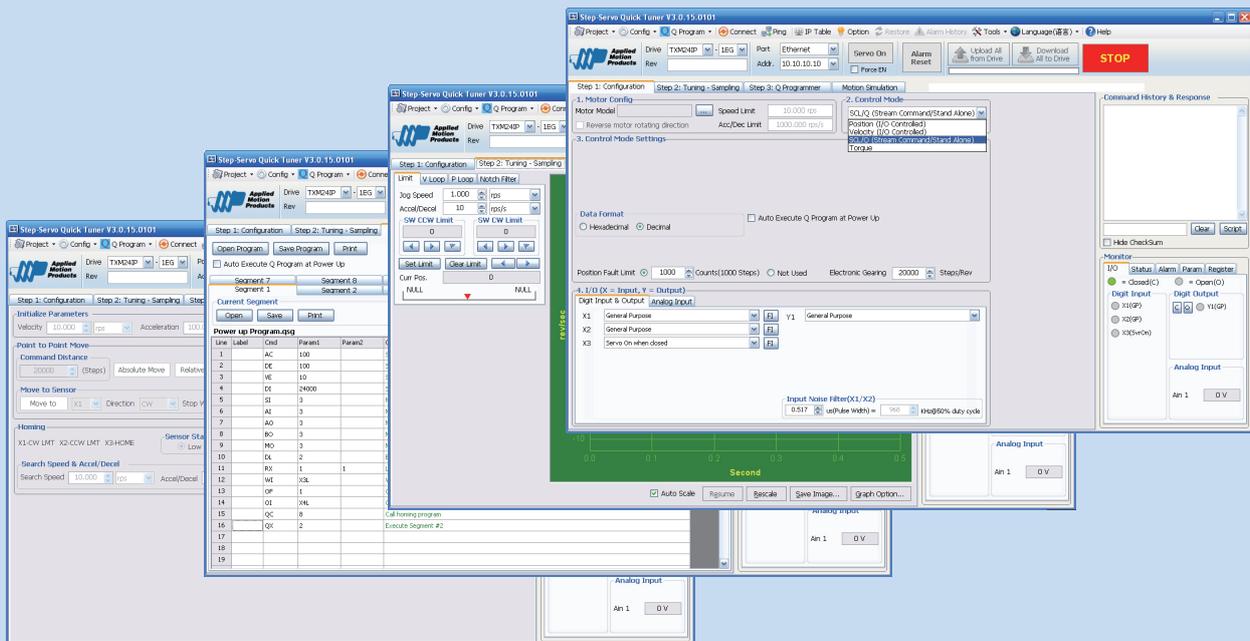
Connect I/O, if required by your application. A 3004-290-5M cable will be required.

(See the TXM24 Hardware Manual for more information about wiring I/O to the TXM24.)



Step3

- a) Apply power to the drive. Wait approximately 5 seconds, then connect the Ethernet cable to the network. In the absence of a valid network connection the drive will default to its recovery address, 10.10.10.10.
- b) Select the "Ethernet" radio button in the center of the screen and specify the target IP address of 10.10.10.10. Click 'Upload from drive'. If successful, you should see a screen similar to that shown below, allowing the user to fully configure the drive.
- c) To specify a new IP address for the drive, select "IP Table" from the menus at the top of the screen.
- d) Click the "Read from Drive" button to refresh the list, noting that only the first entry may be edited. Specify a new IP address in these fields.
- e) Follow the configuration instructions in the Step-Servo Quick Tuner screens. The Step-Servo Quick Tuner software can be used to set up your drive to operate in several different modes including: pulse & direction, velocity (oscillator), streaming commands (SCL), and Q programming mode.
- f) Step-Servo Quick Tuner includes a self test option (under the Drive menu) to verify that the TXM24 and power supply are correctly wired and configured.
- g) Once configured, use the 'Download All to Drive' button to permanently save the configuration to the drive.
- h) Note that if connected to the network when power is applied, the drive will use the IP address specified in the IP address table, position 1 (see step D above). If not connected to a network, the drive will default to the recover address of 10.10.10.10. This feature allows a user to connect to a drive even if its IP address is not known.



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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