

SWM24 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 7/8/10/11.
- *ST Configurator™* software (available at www.applied-motion.com/products/software).
- A 3004-277-5M power cable, 3004-290-5M I/O cable, or a 3004-280-5M Ethernet cable, as needed.
 - **NOTE: Cables are NOT included and must be purchased separately.**
- For more detailed information, please download and read the *SWM24 Hardware Manual*, available at www.applied-motion.com/support/manuals.

Step 1

DO NOT apply power until all connections to the drive have been made.

- Download and install the *ST Configurator™* software.
- 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 STM drive to a local area network (LAN), please consult the *STM23 Hardware Manual*)
- Do not connect the Ethernet cable to the SWM24 before applying power. This will cause the drive to use its recovery address, thus assigning itself IP address 10.10.10.10. (See the *SWM24 Hardware Manual* for further details on selecting IP addresses for the drive and PC)
- Launch the software by clicking: Start / All Programs / Applied Motion Products / ST Configurator

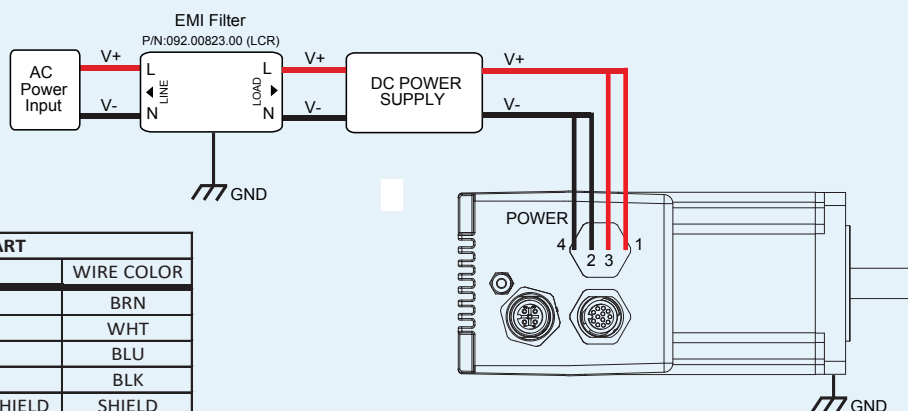
Step 2

Wire the drive to the DC power source.

(Do not apply power until Step 3)

Note - the SWM24 accepts DC voltages from 12-70V. If using an external fuse, we recommend a 5 amp fast acting fuse.
(See the *SWM24 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 *SWM24 Hardware Manual* for more information about wiring I/O to the SWM24.)



CONNECTION CHART		
PIN	SIGNAL	WIRE COLOR
1	DC +	BRN
2	DC -	WHT
3	DC +	BLU
4	DC -	BLK
METAL HOUSING	FRAME GND & SHIELD	SHIELD

Step 3

- 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 “Drive” --> “Edit IP Address Table” from the drop-down 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 *ST Configurator™* screens. The *ST Configurator™* 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) *ST Configurator™* includes a self test option (under the Drive menu) to verify that the SWM24 and power supply are correctly wired and configured.
- g) Once configured, use the ‘Download 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 applied-motion.com.

