



Requirements

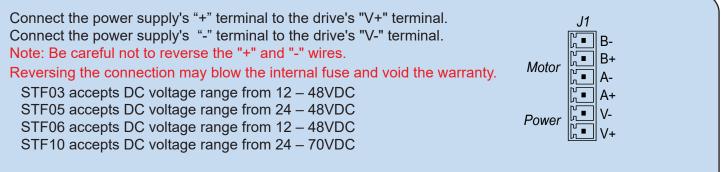
- A power supply
- A compatible stepper motor
- A small flat blade screwdriver for tightening the connectors (included)
- A PC running Windows XP/ Vista / Windows: 7/8/10/11 (32-bit or 64-bit) operating system
- Software: STF Configurator
- A programming cable (included with CANopen, RS-485 units). For RS-485 and CANopen models, please use the Applied Motion 8500-003 USB-serial adapter with screw terminal connectors.
- For Ethernet models, you'll need an Ethernet cable (CAT5e or CAT6).
- I/O cable 3004-348 (optional)

Step 1 - Installing Software

a) Visit www.applied-motion.com/products/software to download the STF Configurator software.

- b) Install the STF Configurator software on your PC.
- c) Connect the drive to the PC's Communication port. See page 2 for more details

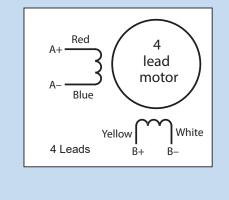
Step 2 - Wiring Power Supply

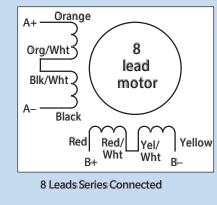


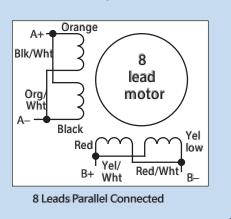
To ensure a proper earth ground connection, connect ground wire to the screw on the bottom side of the drive chassis.

Step 3 - Wiring the Motor

Connect the drive to the motor. Four lead motors can be connected in only one way, as shown left. Eight lead motors can be connected in Series or Parallel, as shown below. If using a non-Applied Motion Products motor, please refer to your motor specs for wiring information.





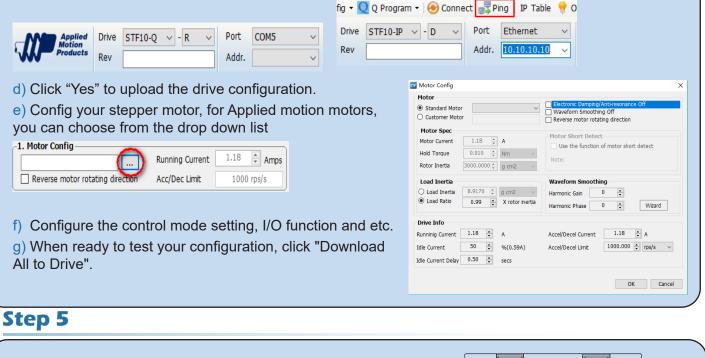


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Step 4 - Config the Drive

- a) Run the STF Configurator software and select the right COM port in the software.
- b) Apply power to the drive.
- c) The software will recognize the drive & display the model & firmware version.

For Ethernet Drives, enter your drive's IP address and Ping to ensure a response before click on connect.



PIN

1

CON

Ethernet Communication.

Shielded twisted pair cable (CAT5e or CAT6) is recommended.Set drive's IP by rotary switch S1.

CANopen Communication

Use COM1 with RS-232 programming cable for drive configuration.

RJ45 communication connector is used on all STF models

Set drive's CANopen address by rotary switch S1. Set drive's CANopen baud rate by rotary switch S2.

RS-485 Communication

Part no. 8500-003 is a recommended USB to RS-

422/485 converter. It supports either the half-duplex (2-wire) RS-485 network, or the full-duplex (4-wire) RS-422 network.

Set drive's RS-485 address by rotary switch S1.

Set drive's RS-485 baud rate by rotary switch S2.

S1 is used to set drive's RS-485 address, and the range is 0~F (0~15 in decimal). If you want to set the drive's RS-485 address range to 10~1F (16~31 in decimal), you need to configure it in STF Configurator software.

o address	8 1	8 1		
M1 Signal	COM2 Signal	Wire Color		
CAN_H	CAN_H	ORG/WHT		
0.4.1.1	0401	0.50		

		DIN	Signal	Wire Color		
6	NC	NC		GRN		
5	RS-232_RX	NC		BLU/WHT		
4	RS-232_TX	NC		BLU		
3,7,8	GND	GND	GR	GRN/WHT, BRN/WHT, BRN		
2	CAN_L	CAN_L		ORG		

PIN	Signal	Wire Color
1	RX+	ORN/WHT
2	RX-	ORN
3	TX+	GRN/WHT
4.5	NC	BLU, BLU/WHT
6	TX-	GRN
7.8	GND	BRN/WHT, BRN

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