

# Stepper Motor Controllers: T-MCA



- Controls any bipolar stepper motor or actuator up to 2.5 A/phase
- Manual control knob so that you can move the device at variable speeds
- Mounts easily to panel, lab bench, or electronics cabinet
- Contains presets for all NA actuators and NM motors

Zaber's T-MCA stepper motor controller is a microstep driver offering microstepping down to 128 microsteps per step. With a typical stepper motor having 200 steps per revolution, the T-MCA stepper motor controller allows microstepping down to 25600 microsteps per revolution. The T-MCA stepper controller can be used to control any 2 phase stepper motor with continuous current draw up to 2.5A per phase.

### Installation

Set-up is a snap. Just connect the controller to the RS-232 port (or USB port with optional adaptor) and plug in a compatible motor or actuator. Multiple devices, including any T-Series products, can be daisy-chained to a single port. Plug in a motor or actuator and you're ready to go.

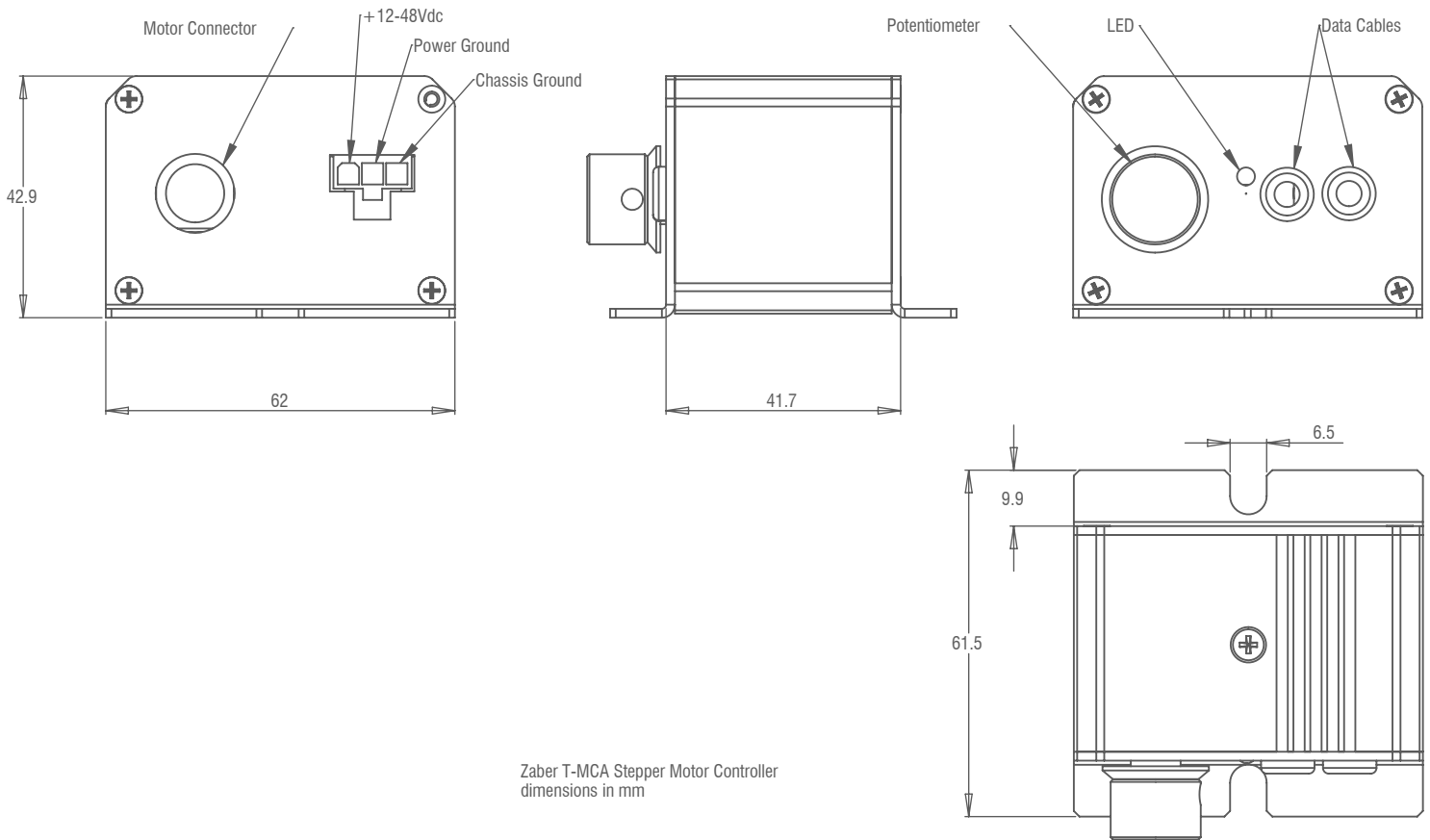
### Computer Control

We provide software so you can easily control your Zaber devices. It automatically recognizes all your devices and allows you to communicate with each one. Simply select the device you want to move, select a command (like "move absolute"), and enter the desired position. After the move, the T-MCA reports the device's new position. You can also change a variety of settings, such as the running current and hold current, to suit your application's needs. The included scripting allows you to easily set-up automated routines, and programmers can modify the source code for advanced customization.

### Manual Control

A convenient knob on the back of the device permits smooth manual control at variable speeds in both directions. During a manual move the T-MCA constantly transmits motor or actuator position to the computer so it can be displayed by the software.





Zaber T-MCA Stepper Motor Controller dimensions in mm

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Model	Current Output per Phase (mA)	Input Voltage (Vdc)	Operating Temperature (°C)	Weight (kg)
T-MCA	2500	12-48	0-75	0.75

*My favourite part about working at Zaber is that everyone is very open-minded, supportive, and knowledgeable. I am currently halfway through a master's degree in business administration, which frequently requires me to do assignments that apply to my workplace. It's great to be able to approach my co-workers and superiors with ideas and questions about the company. Working with people who really support my decision to further my studies has made the whole process a lot easier.*

– Bryan Cassidy, Marketing, Zaber Technologies