

STEPPER MOTOR CONTROLLER

A stepper motor controller will move your focuser with absolute positioning. Backlash compensation is implemented in the firmware and can be enabled, tuned or disabled from the supplied software. An ASCOM6 focuser driver is available.

Controller can only drive **unipolar & bipolar stepper** motors. It can support max 2.4 Amps (**1.2 Amp per phase**).

RJ45 connector is located at the front of the Ultimate Powerbox v2. Pinout can be seen at the following table:

UNIPOLAR STEPPER MOTOR (RJ45 – 8PIN) CONNECTOR	
PIN 1	N/C
PIN 2	N/C
PIN 3	COIL 1+
PIN 4	COIL 1-
PIN 5	COIL 2+
PIN 6	COIL 2-
PIN 7	N/C
PIN 8	N/C

Position of the motor is automatically stored to EEPROM memory 10 seconds after last movement.

Supported Stepper Motors	
Pegasus Motor Focus Kit	Requires RJ45 to RJ45 common straight network cable
Robofocus	Requires Cable RJ45 to DB9
Moonlite	Requires Cable RJ45 to DB9 (Robofocus Pinout)
Lakeside	Requires Cable RJ45 to DB9 (Robofocus Pinout)
Starlight HSM	Requires RJ45 to RJ45 custom cable
Starlight MSM	Requires RJ45 to RJ12 custom cable
Rigel nStep	Requires RJ45 to RJ12 custom cable