



FocusLynx Stepper Motor Board

Installation Instructions for the FocusLynx Second StepperBoard.

The FocusLynx Stepper Motor Board is an optional accessory for the FocusLynx focuser control hub. The Secondary Stepper Board adds the capability of controlling a second stepper motor and focuser to the FocusLynx Hub. The FocusLynx Hub works with the FocusLynx Commander and ASCOM driver to control both Focuser 1 and Focuser 2 ports.



Installation Video

A detailed installation video describing the installation and configuration of the FocusLynx Secondary Stepper Option is available for viewing online:

<https://optec.us/video/19533>

Package Contents



The FocusLynx Stepper Motor Board (Optec stock #19533) is a single circuit board with stepper driver and dual 6-pin connectors on the bottom.

Precautions: Static Sensitive Components

Disconnect all power before attempting any work with the FocusLynx Control Hub. Use a grounding wrist strap (if available) to ensure no

static discharge can occur when handling the FocusLynx boards and components. Be sure to ground your tools and work area before proceeding.



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#19533 - FocusLynx Stepper Board Installation



Installation Procedures: Step-by-Step

Step 1 - Open Hub

Remove the FocusLynx Hub top cover. Use a 3/32" hex key to remove four (4) 4-40 socket cap screws.

Step 2 - Install Board

Locate the two 6-pin sockets on the right side of the main hub board directly under the Focuser 2 eight-pin modular socket.



Press the secondary stepper board directly into the two sockets being careful that both 6-pin headers line up properly. Note that the primary and second stepper boards will overlap and be oriented in opposite directions.



Step 3 - Install Non-conducting Foam

To ensure the secondary stepper board does not work out of the socket, attach the non-conductive black foam to the underside of the top cover. Remove the protective tape so the self-adhesive side is facing upward and carefully place the foam on top of the secondary stepper board with the sticky side up. When you replace the top cover, the foam will adhere to the underside of the cover in the proper position.

Step 4 - Replace Cover

Carefully replace the top cover and replace the four 4-40 socket caps holding the case together. Plug a stepper motor cable (Cat-5e Ethernet cable) into the Focuser 2 port and attach the other end to a QuickSync, DirectSync, or TCF-Lynx focuser 8-pin socket to test.

FocusLynx Configuration

In FocusLynx Commander, configure the Focuser 2 option to match the attached focuser type. Test the functionality of the motor.

Troubleshooting

Contact Optec Technical Support (support@optecinc.com) with any other issues concerning the FocusLynx Hub or Secondary Stepper Motor option.



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