



# 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:

<http://video.optecinc.com/view?q=51460b783dabe.flv>.

### Package Contents

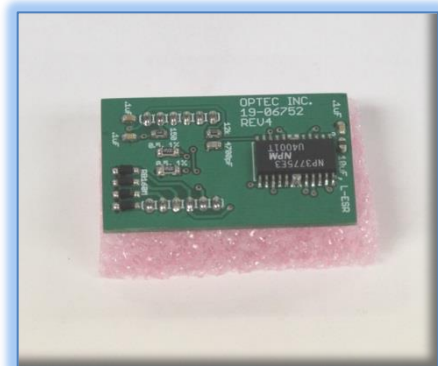


The FocusLynx Stepper Motor Board (Optec stock #19533) is a single circuit board with stepper driver and dual 6-pin connectors on the bottom.

### 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

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

### Step 2

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

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](mailto:support@optecinc.com)) with any other issues concerning the FocusLynx Hub or Secondary Stepper Motor option.



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