

1. Operation steps

- Install Batteries**
Open the battery cover on the back of the hand controller, then insert 2 AAA batteries. Each single battery outputs 1.5V.
- Power On**
Press and hold the power button for 2 seconds to power on. The LED indicator will start flashing after power-on.
- Connect to the Focuser**
After power-on, the hand controller will automatically scan and pair with nearby Oasis Focuser. Once paired successfully, the LED light turns off, and the motorized focuser emits a single "beep" sound to confirm the connection.
- Control the Focuser via Buttons**
Each button press triggers one flash of the LED, and the focuser will beep once, indicating the button command has been received.

- The hand controller automatically connects to focusers whose Bluetooth name contains string "OasisFocuser". Please set the correct Bluetooth name for your Oasis Focuser.
- Normally, the hand controller can connect to nearby focusers within several seconds. If it fails to establish a connection within 5 minutes, it will power off automatically.
- If the connection between the hand controller and the focuser is disconnected, the LED will resume flashing until the connection is re-established.
- After use, press and hold the power button to power off the hand controller to conserve battery power.

The focuser cannot be connected to a mobile phone and the hand controller simultaneously. If you wish to connect via the hand controller, make sure the OasisMate app is fully closed; if you want to connect using OasisMate, power off the hand controller first.

2. Buttons and Joystick – basic features

The basic features of the buttons and joystick are operated via long-pressing the power button, short-pressing the forward, backward, fast forward, fast backward, stop, F1 and F2 buttons, as well as tilting the joystick.

Features of the buttons

- Power:** Long press to power on or power off
- Forward:** Move inward by the preset step size
- Backward:** Move outward by the preset step size
- Fast Forward:** Move inward by the preset step size
- Fast Backward:** Move outward by the preset step size
- Stop:** Halt all movement
- F1:** Move inward until reaching the zero position
- F2:** Move outward until reaching the maximum position

Features of the joystick

- Push up:** Continuously move inward until reaching the zero position or joystick released
- Push down:** Continuously move outward until reaching the maximum position or joystick released
- Push left:** Move inward by the preset step size
- Push right:** Move outward by the preset step size

For basic features of buttons and joystick, please refer to Figure 1 and Figure 2.

3. Buttons - advanced features

Besides the basic features, advanced button features can be accessed by long-pressing the Forward, Backward, Fast Forward, Fast Backward and Stop buttons. There are three advanced feature modes in total.

Advanced feature mode

- Power:** Short press to activate Advanced Mode 0
- F1:** Long press to activate Advanced Mode 1
- F2:** Long press to activate Advanced Mode 2

Figures 3, 4 and 5 illustrate the long-press button features for Advanced Feature Mode 0, Mode 1 and Mode 2 respectively

The advanced feature mode will automatically revert to Mode 0 when the focuser restarts or the hand controller reconnects to the focuser

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Oasis RHC Blue Remote Hand Controller

Quick Guide

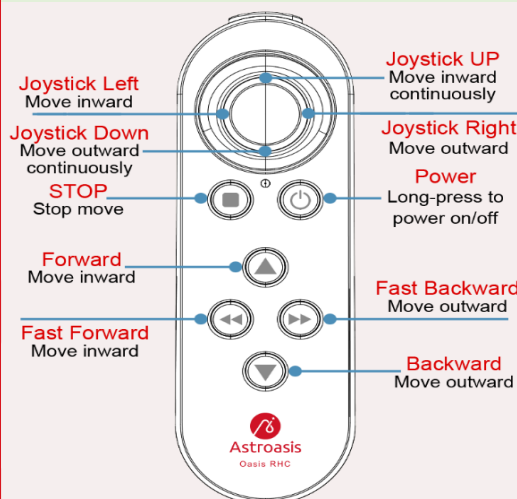


Figure 1 Basic Features - Front Panel

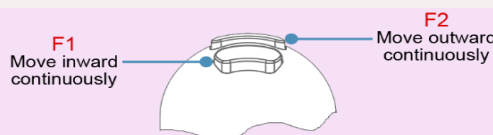
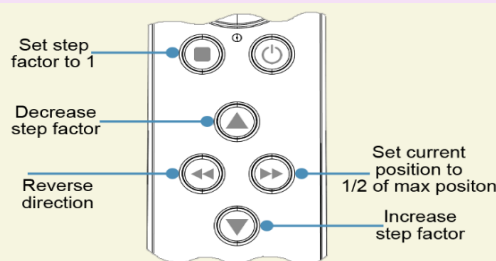
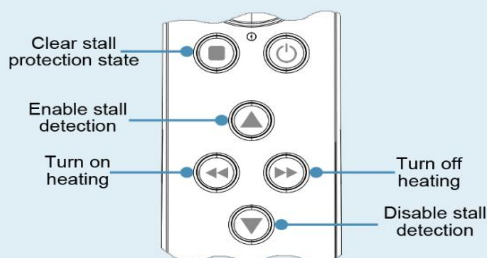


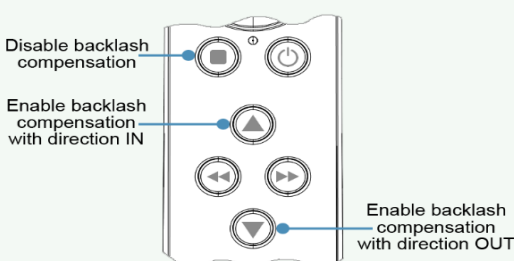
Figure 2 Basic Features - Rear Panel



Short-press power key to activate
Figure 3 Long-Press features for Advanced Mode 0



Long-press F1 key to activate
Figure 4 Long-Press features for Advanced Mode 1



Long-press F2 key to activate
Figure 5 Long-Press features for Advanced Mode 2

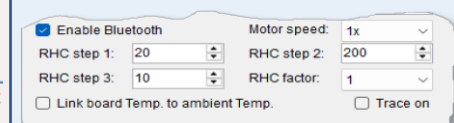
4. Step settings

The movement step size for each button press or joystick movement can be set via the Setup dialog of the focuser's ASCOM driver or the mobile app OasisMate. The configuration interface is shown in the figure below.

Forward/Backward: Each press moves step 1 * factor
Fast Forward/Backward: Each press moves step 2 * factor
Joystick Left/Right: Each push moves step 3 * factor

Recommended configurations:

- Step 1 is for fine focusing
- Step 2 is for coarse focusing, set to 10 times step 1.
- Step 3 is for ultra-fine focusing, set to half of step 1.



Set step and factor via ASCOM driver



Set step and factor via OasisMate

In Advanced Mode 0, long-press the Forward, Backward or Stop button to adjust the RHC factor. This allows to change the focuser's moving steps without a computer or mobile phone.

The available values of the RHC factor are 1/16, 1/8, 1/4, 1/2, 1, 2, 4, 8 and 16.

5. Software requirements

Please upgrade the focuser firmware to the version specified below to ensure all functions work properly after the hand controller connects to the focuser:

- Oasis Focuser Rose: V2.2.0 or higher
- Oasis Focuser (old version): V1.4.0 or higher

If you want to use hand controller related functions in the focuser's ASCOM driver or OasisMate, please upgrade them to the versions listed below:

- ASCOM driver: V2.1.0.1 or higher
- OasisMate: V1.4.0 or higher

All the above software can be downloaded from the following page:
<https://www.astroasis.com/en/download/>

6. More information

Please download the more detailed user manual for this hand controller at the following page to learn about more features:
<https://www.astroasis.com/en/download/>

Or scan the QR code below to download and save the PDF versions of the more detailed user manual and this quick guide.



User Manual



Quick Guide



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