

# Oasis Focuser

## Clutch Electronic Focuser

### Firmware Upgrade Reference Manual

Version 1.0

2023.06.29



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# 1. Introduction

We can use Oasis Focuser's ASCOM Driver Setup dialog to upgrade the firmware for Oasis Focuser. When upgrading firmware in this way, please ensure that the version of the Oasis Focuser ASCOM driver is 1.0.3.1 or later. The Oasis Focuser ASCOM driver earlier than this version does not support the firmware upgrade function. If you are using an ASCOM driver version earlier than 1.0.3.1, please download and upgrade the Oasis Focuser ASCOM driver first.

The firmware used by Oasis Focuser has a file extension named .aff.

You can check the version information of the software you are using by checking the information displayed in the title bar of the Oasis Focuser ASCOM Driver Setup dialog. Taking Figure 1-1 as an example, the version information displayed are as follows:

- 1、 The number "1.0.3.1" after *Version* indicates that the version of the Oasis Focuser ASCOM driver is 1.0.3.1
- 2、 s1.0.2 indicates that the version of the Oasis Focuser SDK is 1.0.2
- 3、 f1.0.2 indicates that the version of the Oasis Focuser firmware is 1.0.2

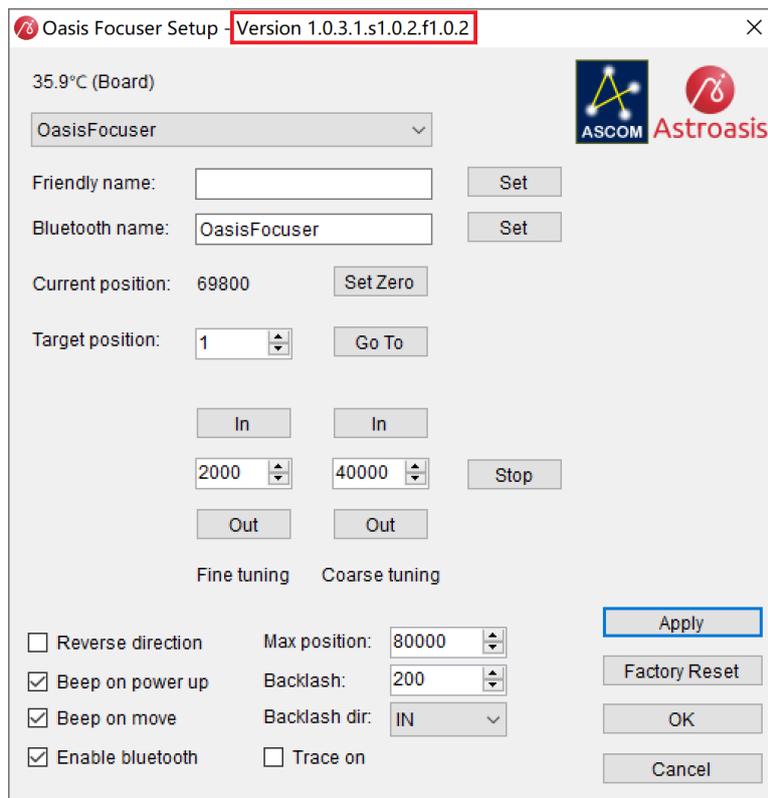


Figure 1-1

## 2. Upgrading steps

The firmware can be upgraded in the following steps:

1. Make sure the Oasis Focuser ASCOM driver version is 1.0.3.1 or later. Then open the Setup dialog, as shown in Figure 2-1.

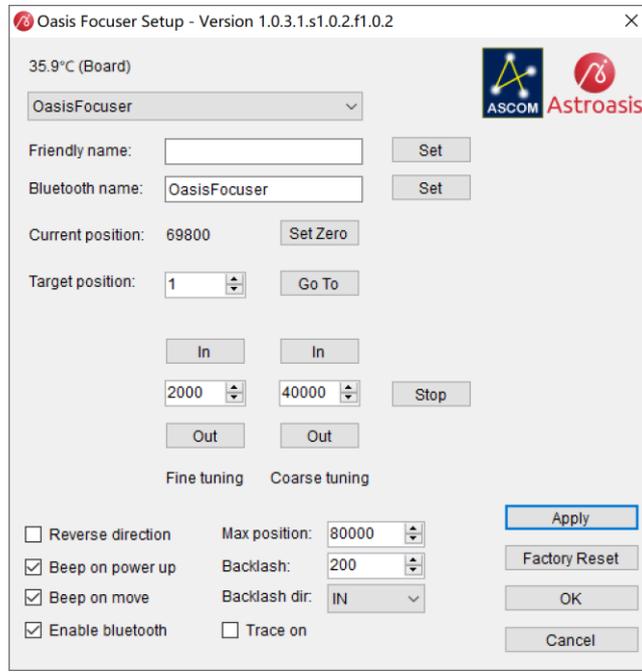


Figure 2-1

2. Double-click the mouse in the 20x20 area (the area shown in the red box) at the top-left of the dialog. Then the "Upgrade" button will be displayed (double-clicking the area in the red box again will hide this button), as shown in Figure 2-2.

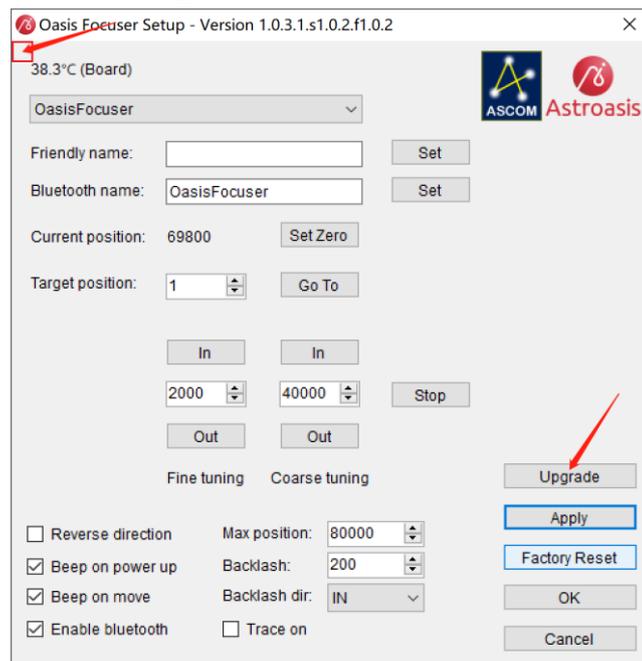


Figure 2-2

- 3、 Click the "Upgrade" button and select the firmware file, as shown in Figure 2-3.

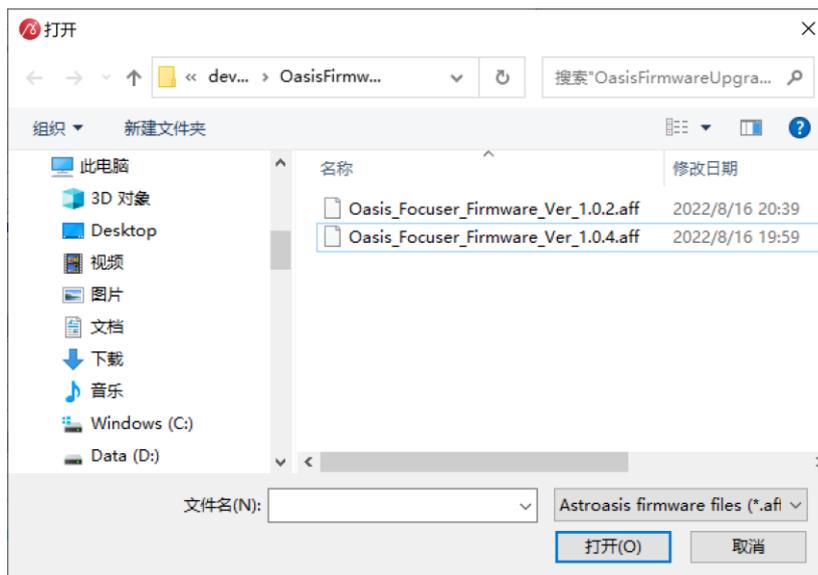


Figure 2-3

- 4、 After the file is opened, a dialog box will pop up to display the version number of the firmware to be upgraded. Click "Yes" button to confirm the upgrade, or click "No" to cancel, as shown in Figure 2-4.

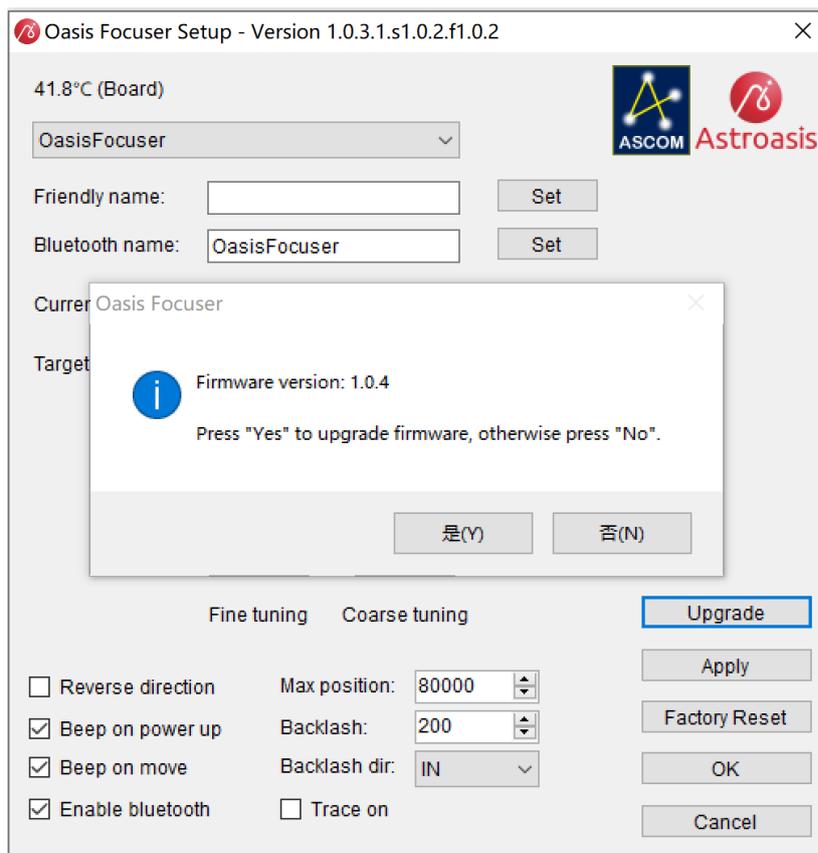


Figure 2-4

- 5、 Click "Yes" and wait a few seconds. The firmware will be upgrade, and the "Completed" dialog box will be displayed after the upgrade is completed, as shown in Figure 2-5.

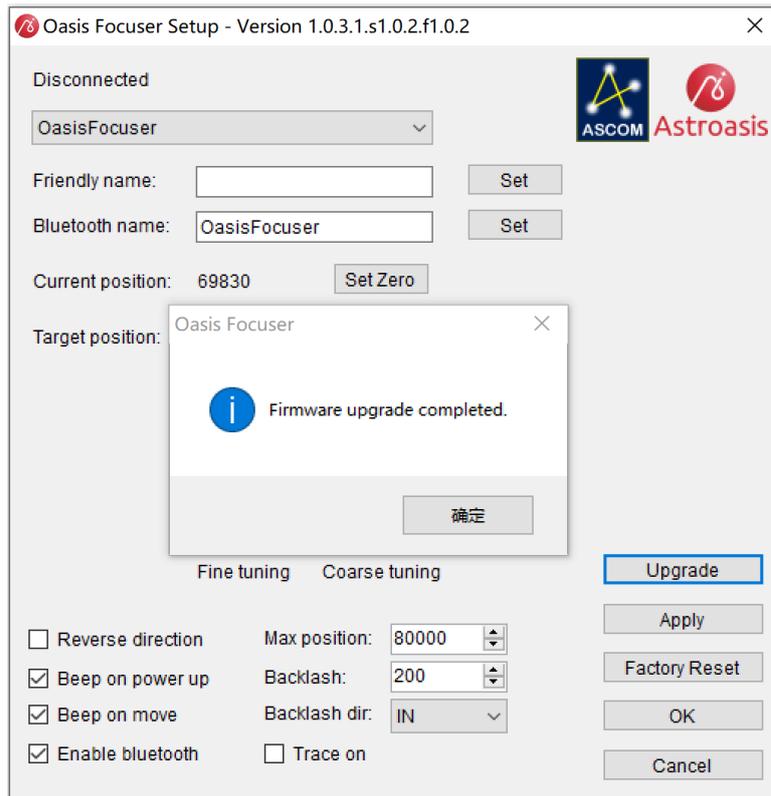


Figure 2-5

After the firmware upgrade is complete, Oasis Focuser will restart automatically. Two consecutive "beeps" will be emitted during the restart process to indicate that it has been started successfully. Since Oasis Focuser has been rebooted, the original USB connection has been disconnected, and the Setup dialog box will show that the Oasis Focuser has been disconnected. Please close the Setup dialog box and then reopen the Setup dialog box to refresh the device and check whether the firmware version information in the Setup dialog box title bar is correct.