



EAF

QUICK GUIDE



苏州振旺光电有限公司
Suzhou ZWO Co., Ltd.

Congratulations and thanks for buying EAF! This manual will give you a brief introduction to your EAF. Please read it thoroughly and if you have any other questions, feel free to contact us: support@zwoptical.com.

Features

Standard Version

- Highly integrated design
- Support ASCOM platform and various ASCOM compatible software
- Support INDI
- Support original software such as ASIAIR and ASICAP
- Support automatic focusing
- Support handle controller and manual focusing
- Support temperature sensor
- USB HID device and drive-free
- Stable and durable

Advanced Version

- Temperature sensor
- Hand controller

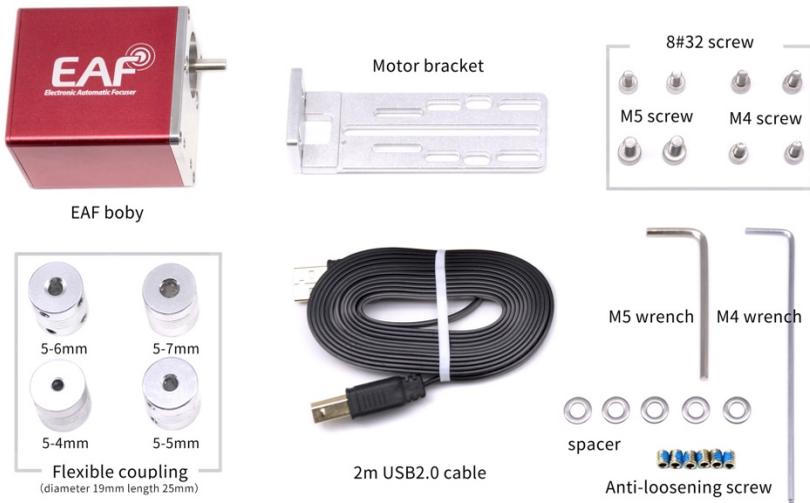


Description

The EAF is a high quality Electronic Automatic Focuser (EAF) designed to suit a wide range of Optical Tube Assemblies (OTA). It is supplied with a versatile mounting bracket system suitable for flexible installation across a wide range of telescope focuser systems.

Packing list

EAF Standard Version Package List



EAF Body contains the focuser motor and controller

Motor Bracket for attaching the body to the OTA focuser assembly

Flexible Coupling to attach the focus motor shaft to the OTA focuser drive shaft

Flexible Coupling to attach the focus motor shaft to the OTA focuser drive shaft.(diameter 19mm length 25mm, 4 sizes: 5-4mm, 5-5mm, 5-6mm, 5-7mm)

Mounting Hardware spacers and screws to mount the focuser body
M4 & M5 Wrenches for secure the shaft locking screws and bracket hex screws

USB 2.0 Cable connection of computers or ASIAIR to the focus controller
Advanced Version includes temperature sensor and hand controller as additional items.



Hand controller



Temprature sensor

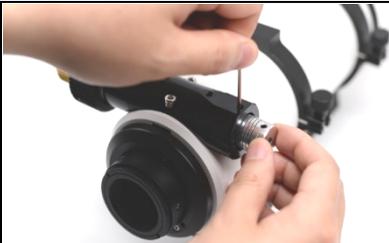
Installation

Here are the basic steps about how to connect EAF with your OTA. We highly recommend downloading and reading the detailed installation and operating guide from the ZWO website before starting installation.

Steps



1 Remove the coarse adjustment knob of the telescope focuser using a suitable sized wrench



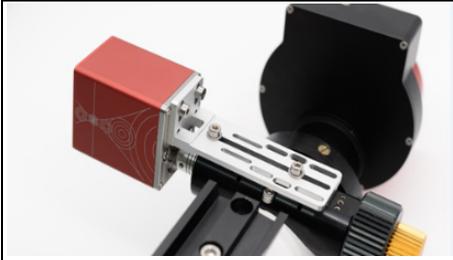
2 Install the flexible coupling on the telescope focuser shaft and tighten the lock screw



3 Attach the focuser body to the flexible coupler and tighten the lock screw using the supplied wrench



4 Secure the EAF body to the bracket and the bracket to the matching mounting holes in the focuser assembly using the supplied screws



Check all the mounting Bracket is secure. This completes the hardware installation of the EAF.

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Connect the EAF to a 12V power supply # Control it through USB port or Hand controller.

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5.5*2.1mm, center positive, 0.5A and up required

Note

The Lifting Capacity of EAF is **5KG**.

For the first time use, please set *the 0 position* and the maximum number of steps to prevent smaller focusing units whose force limit is less than 5KG from being damaged. The EAF will stop and alarm automatically when the load exceeds 5KG.

Detailed installation and operations

The user manual can be found on our website:

<https://astronomy-imaging-camera.com/manuals>

Software and Drivers

The EAF is a HID USB device, no *native driver* required. Please visit below link to download the ASCOM driver:

<https://astronomy-imaging-camera.com/software-drivers>



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