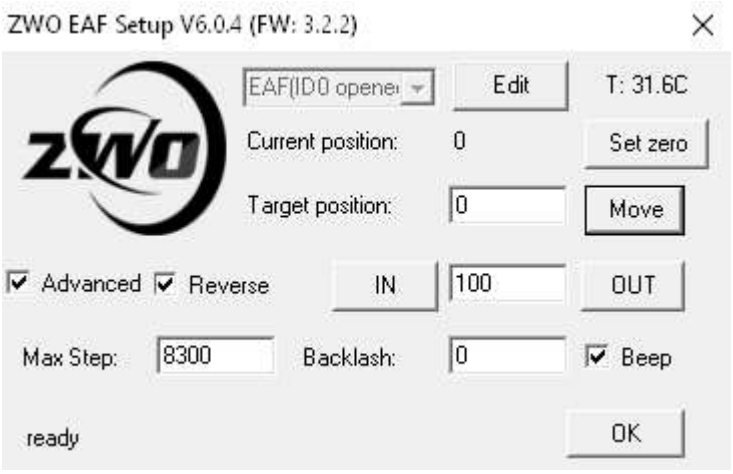
Setting Up The ZWO Electronic Automatic Focuser

If your EAF is not giving you the full travel range of your draw tube, then follow these instructions.

You can access the EAF setup through your capture software via ASCOM. The goal is to configure the EAF so that it allows for the full travel range of the draw tube, and then (if desired) to customize the travel range.



Enter "0" in the "**Target position**" window and click the "**Move**" button. If the draw tube moves outward, change the condition in the "**Reverse**" box (check or uncheck). Again, enter "0" in the "**Target position**" window and click the "**Move**" button. If the draw tube moves inward but stops before reaching minimum extension, perform the 5 steps below.

1) Put a check mark in the "**Advanced**" box, and change "**Max Step**" to "60000". If already set to "60000", leave it at that. (The "60000" figure will almost certainly be "overkill", but let's stick with it anyway).

2) Change the condition in the "**Reverse**" box (check or uncheck).

3) Set "**Target position**" to "60000" and click the "**Move**" button. The EAF should now move the draw tube to minimum extension.

4) Change the condition in the "**Reverse**" box (check or uncheck).

5) Click the "**Set zero**" button

Test the new setup by setting the "**Target postion**" to "60000" and clicking the "**Move**" button. The EAF should run the draw tube out to it's maximum extension and stop. Set the "**Target position**" to "0" and click the "**Move**" button. The EAF should bring the draw tube back to it's minimum extension.

Putting Limits On The Draw Tube Travel Range

You can customize the travel range to suit you own preferences. If you prefer for the the EAF motor to stop a little short of the minimum extension of the draw tube, just move the draw tube out a little from the minimum extension and click the "**Set zero**". And, if you want to put a limit on the outward extension, move the draw tube to the position that you would like for the outer limit to be, then change the "**Max Step**" value to match that indicated by the "Current position".