

Electric Filter Wheel - User's manual

Thank you for purchasing the Atik Electric Filter wheel (EFW). With it, you will be able to easily change filters, without touching the telescope. This is specially important when imaging, as it often happens that, when using manual wheels, autoguider tend to loose their guide star, due to shaking and/or backlash. With the Atik EFW, you can change filters without disturbing autoguiding.

Operation of the wheel is very simple, and it can easily be put into 5 steps:

Step 1: Opening the wheel.

Take the wheel out of it's box, and unscrew the 5 retaining screws.

Step 2: Install your filters into one or more of the 5 available positions. They are marked 1 to 5 for easy identification. Take care that you don't loose the spring in the middle of the assembly. You can take it off if needed.

Step 3: Place the middle spring on the central pin, if you took it off, and close the wheel by screwing back the 5 screws.

Step 4: Connect the cable to the hand controller and power it (12VDC). At this point, the wheel will reset to position number 1.

How do you know on which position is it? Simple!

On the hand controller, you will find a button and a LED. The button, obviously, is for changing position, and the LED provides feedback on which position the wheel is now. It does this by blinking the number of times correspondent to the position (1 blink-Position 1, 2 blink - Position 2, and so on). Please keep in mind that, from position 2 forward, the blinks are divided into groups of 2. This means that position 3 blinks twice, has a short pause, and then blinks again. Position 4 will have 2 blinks, short pause, 2 blinks.

To summarize, the blink code is:

Position 1: 1 blink

Position 2: 2 blink

Position 3: 2 blink, pause, 1 blink

Position 4: 2 blink, pause, 2 blink

Position 5: 2 blink, pause, 2 blink, pause, 1 blink

This is actually much simpler than it seems. :-)

The button has an extra functionality. If needed, you can reset the wheel by pressing the button for 4 seconds. The LED will blink fast, and the wheel will reset to position 1.

We hope you enjoy your Atik EFW!

