



## **Operation Modes**

ZenSlider family products (ZenSlider and ZenFocus already launched) are managed with the same controller, which enables different operation modes.

The naming of the modes was originally made by what we thought was the primary objective or effect to be achieved.

But, as our customer base began to grow, we found that people used the modes more creatively and found different uses and created effects that we had never thought about.

So this guide is intended to explain how the different modes work from a technical point of view, hoping to free yourself from the defined uses and enable you to explore new possibilities and boost your creativity. Please share with us how you are using the ZenSlider products.

### ***Video Mode***

In this mode, motor moves at specific % of a maximum speed.

To change direction, move the direction lever switch either left or right.

No synchronization with camera shutter is done.

### **Video Pro Mode**

You define the start and end position, then set the duration of the movement.

To set both the start and end points, select the two points and turn selector to move the motor to the desired position. Note that during point selection you can change speed and direction turning selector knob to the right or to the left (no need to move the direction lever switch).

Once the start and end points are defined and duration set, you can go to the start to begin the movement.

Also there is the option, called ping-pong, that moves from start to end and from end to start continuously until select button is pressed to stop the movement (originally created to record interviews with ZenSlider).

This mode does not have camera shutter synchronization.

### **Mode Time-Lapse Pro**

This mode can also be called "Shoot-Move-Shoot".

In this mode, you have to define the interval *duration* and the *distance* moved between shoots.

To define these two variables, move the select knob until the cursor is in the *duration* or the *distance* and select the desired values for both.

Note that *distance* for ZenSlider means linear base movement, but for ZenFocus it refers to angular movement.

This angular movement depends on the diameter of the lens ring where the belt is attached, so try different distances to see how it is transferred to your lens.

In mode Time-Lapse Pro, when you press *run*, the Controller will trigger the camera, move the motor the distance specified, wait until the interval time ends and then start again.

The direction of the movement is selected with the direction lever switch, so it is a good idea to select the direction previous to begin the shot sequence (the easiest way is with the help of the Video Mode).

The “Shoot-Move-Shoot” sequence does not end until you press the button.

### ***Stop Motion Mode***

This mode can also be named Manual “Shoot-Move-Shoot”, as after you have defined the linear distance to move you have to press the button to trigger the camera and move the distance defined.

There is no automatic repetition, you have to press the button each time you want to shoot and move the motor to the next position.

Originally designed to make Stop-Motion movies, it can be used also to automate the focus-stacking technique when ZenFocus is attached to the focus ring of the lens.

### ***AstroFocus Mode***

It is really a Video Pro mode but with the possibility to define longer duration, here you can select from 1 second to 5 hours.

This mode was originally created to move the zoom ring very slowly to create spiral star trails. Check our Vimeo channel for examples:

<http://vimeo.com/ZenSlider>

Other ideas:

During a time-lapse creation, move the focus ring from an object in the foreground and end in a tack sharp infinite focus. Doing that, you can use the traditional follow-focus technique but in time-lapses.

### ***Follow-Focus Mode***

This is a mode that allows you to define up to six positions and move sequentially from one to the next each time the button is pressed.

The duration of each movement is defined independently. So, for example, you can travel from A to B in 2 seconds and from B to C in 15 seconds.

This mode does not fire the camera shutter.