

SERVICEVISION

# Scorpio Motion Generator

When the tracks is laid and ready, attach the **Timing Belt** using the included Matthelini Clamp and Gripheads.

Make sure the timing belt is tensioned and that it maintains an exact measurement from the track pipe across the entire track.

Thread the **Encoder** over the **Timing Belt**, mount the **Encoder** on the dolly using the included MagicArm and Superclamp, IMPORTANT that the **Encoder** runs parallel to the **Timing Belt**.

Mount the **Motor Driver Box (MDB)** and Zoom / Focus **Motors** on the camera as well as cables between the units. Connect the **Motion Generator Cable** between the **Encoder** & the **MDB**.

Power the **MDB** with the following wiring: D-tap or RS from the camera.  
Now the **MDB** should flash red.

Start the **Hand Unit**, then "RESET ALL" will appear on the display, press "YES".

The **Motors** will then begin calibration. Let this process finish.

*(If the motors don't start calibrating, double check that the motors are aligned with the gears on your optics, and if they don't, you can correct them and restart the process.)*

If any of the motors get loose and start spinning fast and won't stop, just turn everything off and restart.

Now the **Hand Unit** and the **Motors** should be in contact with each other.

## Should a motor run in the “wrong” direction, do the following:

Press “SELECT” until the display on the hand control shows “Motor Direct”

Here you can change the direction of all motors by pressing the **A**, **B** or **C** buttons.

## To prepare the Motion Generator:

Go to the Home Screen.



Hold **B** button.

Press “NEXT” repeatedly until the display shows “MOTION GEN”, press “OK”

## Now to take positions:

Focus, ALWAYS start with focus.



Set the camera to the first focus position, set the focus and press **C** = “IN”

When you have set the first position, 01 will appear on the display.



Set the camera to the next focus position and press **C** = “IN” again to confirm the next position.

Repeat this process until all the positions you want are set, like the image below with 5 positions.



### Now to set Zoom modes:

Press "SELECT" to proceed to Zoom settings.



Set the camera to the first zoom position.

Set your zoom value and press **C** = "IN"

When you have set the first position, 01 will appear on the display.



Set the camera to the next zoom position and press **C** = "IN" again to confirm the next position.

Repeat until you have all your zoom positions.

### Now you are ready to activate Motion Generation:

Press the "SEL" button to access the "Motion Generation" M.G.



Then press **B** to activate Focus and **C** to activate Zoom, then **F** and **Z** will start flashing on the display, which means they are active.

The Zoom or Focus can also be run manually while the other is active, e.g. you can have the focus manual and let the zoom work actively with the dolly.

You do this by pressing either **B** = Focus or **C** = Zoom, the active one will flash.

### **When you need to change the battery or cut off the power:**

When you start the system again, the **Hand Unit** will ask "RESET ALL?"

If you have not changed the lens or moved the position when the system is turned off, you can press **A** = "NO".

However, if you have moved the dolly or changed optics, all modes for both focus and zoom must be reset again.

### **Use only one motor:**

The possibility to run with only **Zoom** or **Focus** Motor is of course available BUT the hand control will still ask for input points, then you just have to press the "SEL" button.

For example, you have the focus motor connected but not the zoom motor.

Then you set the focus points and when the zoom points come, you just press "SEL" past the zoom points.