

Join Tubes Together (40" model only)

Push the joiner into one end of a tube until the cap screw is aligned with the hole on the corner of the tube. Insert an Allen key through the hole and tighten cap screw1 just enough to hold the joiner in place. Push the other tube over the other end of the joiner and tighten cap screw2 firmly. Push both tubes together to ensure there is no gap between them and tighten the first cap screw firmly.



Attach Legs to Tube

Loosen the leg clamping knob. Slide the legs over the end of the tube so that the side of the tube with the "rack" gear faces down. Rotate the cam lever up until it locks the legs onto the tube. Tighten the knob to fix the leg in the desired position.



Fit Camera to Drive Unit

Screw the drive unit onto the ¼" thread on the camera. Wind the toggle upwards until it clamps the camera in place. If required you can mount a "ball mount" between the camera and unit to give extra adjustment.



Wipe the Track and Bearings

Use a rag or your hands to wipe along the surface of the track where the bearings will contact. This will remove any dirt or grit that may affect the smoothness of movement. Also rotate each bearing and wipe off any attached grit.

Mount the Drive Unit to the Track

Orientate track so that the "rack" gear is in the position shown. Hook the front bearings over the track. Rotate the drive unit down so that all off the bearings are in contact with the track. Push the drive unit along the track by hand and check that the movement is smooth. If not, then repeat the previous step. Rotate the pinion lever until the "pinion" gear has locked onto the "rack" gear. Tighten the pinion lever knob to secure the pinion in position. The drive unit and track will only go in one direction so to change directions you must turn the entire track and drive unit. Use the legs or a "ball mount" to adjust the angle of the camera.



Set the speed

Slide the power switch on the side of the drive unit into the forward position. Press the button once to select speed 1. Repeat this action to select the other Speed Settings in sequence. Pressing the button when on Speed Setting 5 will return to Speed Setting 0. If the power is switched off and back on, then the Speed Setting reverts back to 0. There are a total of 5 different speed settings as follows:

Speed	Speed
Setting	(mm/min)
0	0
1	10
2	15
3	20
4	25
5	30



Recording

The unit should now being travelling along the track, although it will be almost impossible to see in real time. There is a small amount of backlash in the gears. This does not adversely affect performance, but may result in a small delay before the unit starts moving. It can be eliminated by gently pushing the unit backwards until the backlash is taken up. When the unit gets to the end of the track the "pinion" gear should leave the "rack" and rotate freely without doing any damage.

Finishing

Remove the unit from the track and switch off the power by sliding the power switch backwards.

Mount Ends of Track to Tripod

Partially screw the supplied ¼" nut onto a small Ball Head leaving the nut about 2mm above the surface. Remove the legs from the end of the track, and push the hexagonal hole in the track over the nut. Slide the Ball Head thread into the slotted hole. Tighten the ball head thread and mount on a tripod.



This system is designed to allow the track to be mounted with one end on the tripod and the other end on the ground.

Mount Centre of Track to Tripod

Insert the joiner into one end of the track as shown and tighten the cap screw. Partially screw the supplied ¼" nut onto the Tripod Adapter plate leaving the nut about 2mm above the surface. Push the nut through the hexagonal hole and slide into the slotted hole. Slide the other side of the track over the joiner and tighten the cap screw. Tighten the knob ensuring the plate is straight.





Mount the plate and track on the tripod's ¼" thread using the embedded nut on the plate.

IMPORTANT! Attach the legs to the end of the track to prevent the Drive Unit and camera from running off the end.

