WATCH MODEL MOVER
For HUBLOT

QUICK START GUIDE
Product Code: MRMC-2029-00
Part number: MRMC-2058-00
Watch Model Mover Quick Start Guide

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Chapter 1 Quick Start

Important safety instructions
To ensure the best from the product, please read this manual carefully. Keep it in the safe place for future reference.

To reduce the risk of electric shock, do not remove the cover from the unit. No user serviceable parts inside. Refer servicing to qualified personnel.

General care
- Do not force switches or external connections.
- When moving the unit, disconnect the mains cable.
- Do not attempt to clean the unit with chemical solvents or aerosol cleaners, as this may damage the unit. Use a clean dry cloth.
- Do not use around flammable gas. All electrical equipment can generate sparks that can ignite flammable gas.
- Keep away from pets and children. The head has powerful motors that can pinch, so take care not to get your hands trapped in the head or cabling.
- Keep cables tidy. Use cable ties to keep them out of harm’s way. If you have a head with slip rings then make use of them; avoid running any cables between the base and the rotating head or camera.

Location
Installation of this unit should be away from sources of excessive heat, vibration, and dust.

Intellectual property
This product includes confidential and/or trade secret property. Therefore, you may not copy, modify, adapt, translate, distribute, reverse engineer, or decompile contents thereof.
Overview

Thank you for using the Watch Model Mover from Mark Roberts Motion Control (MRMC). You can use the Turntable for day in and day out use in product photography.

The Watch Model Mover is a robotic head that can be programmed with MRMC’s Flair software to run moves and stop at designated positions so the mounted watch can be photographed or filmed. It allows three axes of motion: pan, tilt and roll. The axes of rotation are orthogonal to the watch face. In other words, the axes of rotation are centred around the watch face. The head can be placed on a desk or mounted on a tripod as required. To get the most out of the head, it is best mounted sideways on the tripod as shown in the next section.
Mounting the Watch Model Mover on Tripod

1. Carefully insert the Mitchell mount on the Watch Mover bracket into the tripod while aligning the key with the hole in the tripod.

2. Screw the moy nut on the Mitchell mount from below the tripod to secure the Watch Mover on the tripod.

Note:

Ensure that while lifting the Watch mover is only held from bottom and not by the clamps, Mitchell mount or the dome. Doing otherwise can cause damage to the head’s mechanical parts.
Connecting the Cables

PC running Flair Motion Control Software
Mounting the Watch

1. Use the 4mm hex key to unscrew 2xM5 screws on the watch clamp.

2. Slide the clamp cover out.

3. Loosen the 4xM3 screws using the 2.5 mm hex key on the clamp. Mount the watch on the clamp. Also loosen the 2xM5 screws.

4. Adjust the clamp by sliding slightly to the left or right according to the size of your watch, as required.
5. Once in the desired position, tighten the screws and attach the clamp cover.

**Limits of Rotation**

The axis of motion limit markers have been defined on the Watch Model Mover. These limits marker denote the point up to which the axes would rotate before finding the end.

**Using the Watch Mover**

1. After the Watch Mover is powered up, move the pan axis to a known position.
2. Home the tilt axis.
3. Move the roll by hand once the watch is mounted.
Notes
Appendix 1 Specifications

Range of motion:
Pan: 225 degs
Tilt: 94 degs
Roll: 360 degs

Speed of motion:
Pan: 7 degs/sec
Tilt: 30 degs/sec
Roll: 80 degs/sec

Payload mass: <1Kg
Payload Volume: 150mm x 150mm x 150mm (XYZ)
Speed: Max. 6°/Sec – All axes
Position Repeatability: ±1° = All axes
Control Interface: MRMC Flair Software
Notes
Notes