Radio Micro Force Manual

v1.0

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1.0 Description

The Radio Micro Force Module adds wireless operation to either the analog Micro Force V+F2 or Digital Micro Force controls. It can be used to control the zoom channel of an MDR2, wireless V+F Lens Control, or Radio Dimmer.

The module is attached to the Micro Force control with an articulating bracket and attachment knob (15). The adjustment knob (9) allows the user to change the viewing angle. A short cable (16) connects the Micro Force control to the Radio Micro Force module.

A Li-Ion Battery (14) powers both the Radio module as well as the Micro Force control. To remove the battery, press the Battery Release (7) towards the rear of the module while pushing the battery downwards.

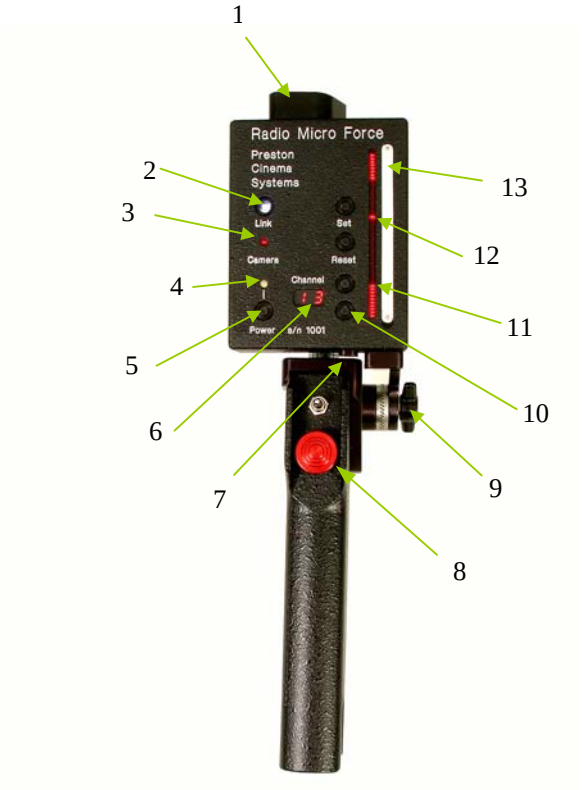
The omni-directional antenna element (1) is housed within a rugged cover that protects it against impact. The tri-color LED indicates the strength of the received signals:

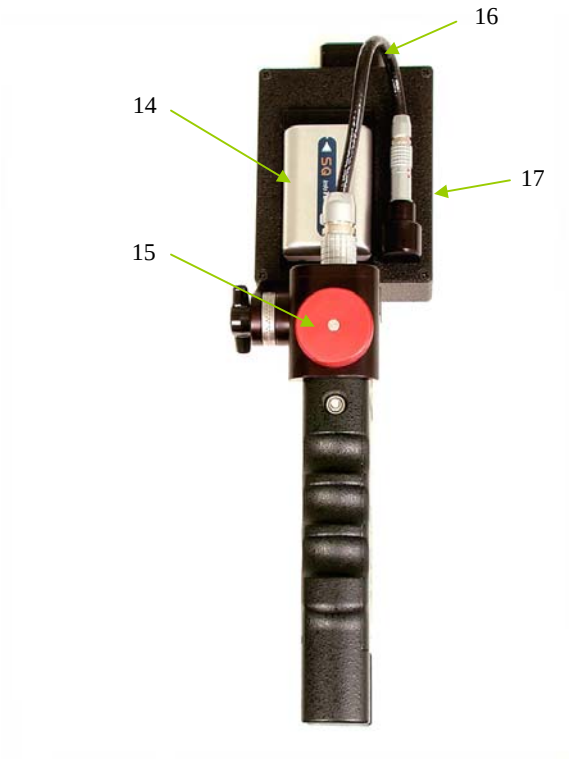
Blue – Maximum
Green – Strong
Red – Minimum
(off) – Signal Strength too low.
Move closer to MDR2 for reliable operation.

There are 30 wireless channels available numbered from 0 – 29. These correspond to the channels on the MDR2, V+F Lens Control and Radio Dimmer. The channel is raised or lowered by pressing the pair of buttons (10) to the right of the channel indicator (6).

2.0 Operation

1. Install a charged Li-Ion battery
2. Set the channel to match that of the MDR2 or other compatible receiving device. Set up the MDR2 with motors. Apply power.
3. Press the POWER button (5) momentarily. The power LED (4) will light.
4. When the RMF establishes communication with the MDR2, the LINK LED (2) will glow. The color will indicate the signal strength as described in the previous section.
5. The Micro Force joystick (8) will now control the zoom motor. The Camera Run LED (3) indicates the camera status.
6. To set Lens Limits:
    a. Use the joystick to move the zoom one end of the desired zoom range.
    b. While pressing the SET BUTTON, move the zoom to the other end of the range.
    c. Release the SET BUTTON.
    d. The end limits of lens rotation are indicated by the solid glowing bars (11). The moving bar shows the current lens position.
    e. The limits can be removed by pressing the RESET button momentarily.





7. Slide switch (17) selects the operating mode.
    a. **Normal** mode is for driving digital motors. The bargraph displays the lens position and any limits the user has set.
    b. **Video** mode is for driving the internal motor of video lenses. The bargraph indicates the information sent to the lens: the length of the illuminated bars is proportional to the zoom velocity (not position as for "Normal" mode). A "video" cable must be used to connect the video lens to the MDR2 or V+F Lens control.
8. The LED above the POWER switch glows solid red to indicate normal operation. The LED will flash when less than 15% of the battery charge remains. Install a charged battery at this time.

3.0 Specifications:

Size: 100mm x 77mm x 28mm (4" x 3" x 1.2")
Weight: RMF module: 340g (12 oz)
Bracket: 130g (4.5 oz)
Typical operating time: 8 hours
Battery Type: 7.4V 1.8AH (FM50 enhanced type)
Charger: Sony BC-VM50 with US standard line plug.
Charger Operating voltage 100 – 240 VAC.
Charge Time: 4.5 hours

Product Numbers:

4015	RMF with cable for Digital Micro Force
4016	RMF with cable for Micro Force V+F2
4017	RMF cable (spare) for Digital Micro Force
4018	RMF cable (spare) for Micro Force V+F2
4915	FM50 Li-Ion Battery (spare)
4916	Charger for FM50 battery w/ US standard line cord