

Focus-Iris Manual

Ver 1.0



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1.0 Description

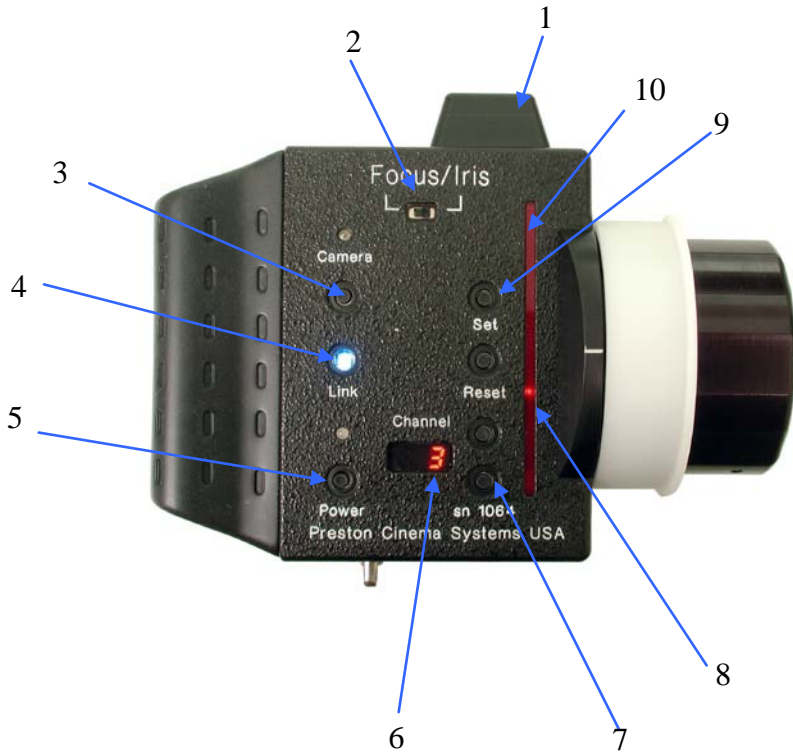
The Focus-Iris unit is a single channel wireless control. It can be used to control either the focus or iris channel of an MDR2, wireless V+F Lens Control, or Radio Dimmer. The switch located near the top of the control selects between the focus and iris function.

An FM50 type Li-Ion Battery (11) powers both the Radio module. To remove the battery, slide the Battery Release (12) 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 (4) 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 (7) to the right of the channel indicator (6).



1. Antenna
2. Focus/Iris mode switch
3. Camera R/S
4. Link LED shows signal strength
5. Power Switch
6. Wireless Channel indicator
7. Channel Switches
8. Lens position indicator
9. Set/Reset limit switches
10. Lens position bargraph

Front View



11. Li-Ion Battery
12. Battery Release
13. Neck-strap attachment
14. Marking Ring
15. Control Knob

Rear View

2.0 Operation

1. Install a charged Li-Ion battery
2. Set up the Motor Driver or Radio Dimmer. Apply power. Note the channel setting. If the device being controlled is a Video Lens Control or Radio Dimmer, set the mode to either Focus or Iris, so that it can be controlled by the Focus-Iris unit.
3. Press the POWER button (5) momentarily. The power LED just above the switch will light.
4. Use the push-button switches (7) to match the channel as shown in the display (6) to the channel of the receiving unit.
5. Select the desired mode – focus or iris:
 - If an MDR2 is being controlled, the Mode switch determines which motor (focus or iris) will respond to the control knob.
 - If a Video Lens control is being used, the Mode setting of both units must match (focus or iris).
6. When the Focus-Iris unit establishes communication with the Motor Driver or Dimmer, the LINK LED (4) will glow. The color will indicate the signal strength as described in the previous section.
7. The Control Knob (15) will now control either the motor or LED light.
8. The Camera Run LED located above the R/S Switch (3) indicates the camera status.
9. To set Lens Limits:
 - a. Use the Control Knob to move the lens to one end of the desired range.
 - b. While pressing the SET BUTTON (9), turn the Control Knob until the lens reaches the other end of the desired range.
 - c. Release the SET BUTTON.
 - d. The end limits of lens rotation are indicated by the solid glowing bars. The moving bar shows the current lens position.
 - e. The limits can be removed by pressing the RESET button momentarily.

3.0 Specifications:

Size: 100mm x 77mm x 28mm (4" x 3" x 1.2")

Weight: 340g (12 oz)

Typical operating time: 6 hours

Battery Type: 7.4V 1.5AH (FM50 enhanced type)

Charger: Sony BC-VM50 with US standard line plug.

Charger Operating voltage 100 – 240 VAC.

Charge Time: 4.5 hours

5. FCC Statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- * Reorient or relocate the receiving antenna.
- * Increase the separation between the equipment and receiver.
- * Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- * Consult the dealer or an experienced radio/TV technician for help.

This equipment has been verified to comply with the limits for a class B computing device, pursuant to FCC Rules. Operation with non-approved equipment is likely to result in interference to radio and TV reception.

The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference and
- (2) This device must accept any interference received including interference that may cause undesired operation.

FCC RF EXPOSURE STATEMENT

To satisfy RF exposure requirements, this device and its antenna must operate with a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.