

# VariZoom

## HZ-HM800VZRKIT zoom/focus/iris control package for JVC 800-series



**This kit consists of the HZ-HM800VZRZ zoom control and HZ-HM800VZRF focus/iris control. These units are specifically engineered for the JVC 800 series cameras with 20x autofocus lens to offer smooth and accurate control of the following features: dual-speed zoom, record start/stop, push-autofocus, variable speed manual focus control, auto/manual toggle for iris and focus, manual iris control, onscreen data toggle.**

### **HZ-HM800VZRZ remote zoom control connection and function**

**Start by plugging the 8-pin connector into the matching jack on the underside of your lens and threading the nut to secure the connection. Make sure the adjacent "Zoom" switch is set to "Servo." The HZ-HM800VZRZ pistol-grip remote incorporates VariZoom's patented dual-speed zoom control design, utilizing a variable thumb rocker and a speed limiter dial in the 'trigger' position, allowing you to ramp up or down and preset the maximum zoom speed. When the speed dial is turned all the way down, zoom is inactive. Start and stop recording with the small red button and temporarily activate autofocus using the recessed black button on the angled rear face of the unit.**

### **HZ-HM800VZRF remote electronic focus control connection and function**

**Start by plugging the 2.5mm stereo connector into the matching "Remote 2" jack on the side of the camera.**

**-When the camera's "AUTO FOCUS/11" switch is set to "ON", you can toggle between auto and manual focus modes using the "A" button on the remote (if this camera switch is set to "OFF," you are limited to manual focus only).**

**-Turn the onscreen data on or off using the "DATA" button.**

**-Toggle between auto and manual iris modes using the "ON" button.**

**Manual Focus "MF" Mode - When the camera is set to manual focus mode ("MF" in the display), you can adjust focus using the remote's large aluminum dial. This control system is speed-sensitive, so the slower you turn the dial, the slower the adjustment. You will notice that the relative speed of adjustment changes within the zoom range. At full wide, the remote focal adjustment is rather coarse and sudden, while at full telephoto, the remote focal adjustment is finer and more gradual. This is a natural characteristic of the lens.**

***IMPORTANT NOTE:* There is an upper limit to how fast you can turn the remote focus dial and get a response. The inherent speed of the camera's remote protocol confines the input to a range that is suitable for real-world operation, but if you spin the dial rapidly, you will not get much of a response, if any at all. When the dial is turned too rapidly, the data packets get lost in the interface. This is not a defect, it is simply a characteristic of the control system, and you will quickly grow accustomed to the feel of the remote.**

**Manual Iris Mode – When the camera is set to manual iris mode ("A" absent in f-stop display area), you can adjust iris using the remote's "F-" and "F+" buttons ("A" present in f-stop display defeats manual iris.). For fine adjustment, a single push of the button will change the f-stop in fine increments. Holding the button down will sweep through the f-stop range more quickly.**

### **Troubleshooting**

**1 – Zoom not working: a) make sure the "Zoom Servo/Manual" switch is set to "Servo." b) turn up the speed dial on the remote c) make sure the connector is fully inserted and secured with the nut**

**2 – Focus not working: a) make sure you're fully plugged into "Remote2" jack. b) make sure the camera is set to "MF" mode. c) turn the focus dial slowly - fast turns will be ignored by the camera. d) unplug and replug the unit. [www.varizoom.com](http://www.varizoom.com) / 512-219-7722**