

Before Using a Micro Force Control with a Video Cable Read This First

10/18/07

New generation “Digital” lenses are susceptible to damage if an older/non-updated Micro Force control is plugged into a **powered camera/video lens** (“hot plugging”). To avoid damage to the circuit board of the video lens please follow the procedures described below to determine whether your control and/or video cable require modification.

1. Check that your Micro Force is capable of driving video lenses. Some Micro Force controls were supplied as “film only” units so as to be compatible with a clients existing inventory of legacy cables.
 - a. If your Micro Force is a V+F2 or Digital Micro Force model, **your control is compatible with video lens operation. Proceed to 2.**
 - b. If your Micro Force control is not a V+F2 or Digital Micro Force model, you must check whether it was configured as a “Film Camera Only” or “Video and Film”. Units configured for film camera only use have a **red dot** painted in the bottom of the threaded well of the control as pictured below:



threaded well

Controls with the red dot are not compatible with video lenses. Never attempt to use a red-dot control with a video lens as the lens electronics **will be damaged**. These controls may be sent to the factory to be converted to a video compatible (blue-dot) model

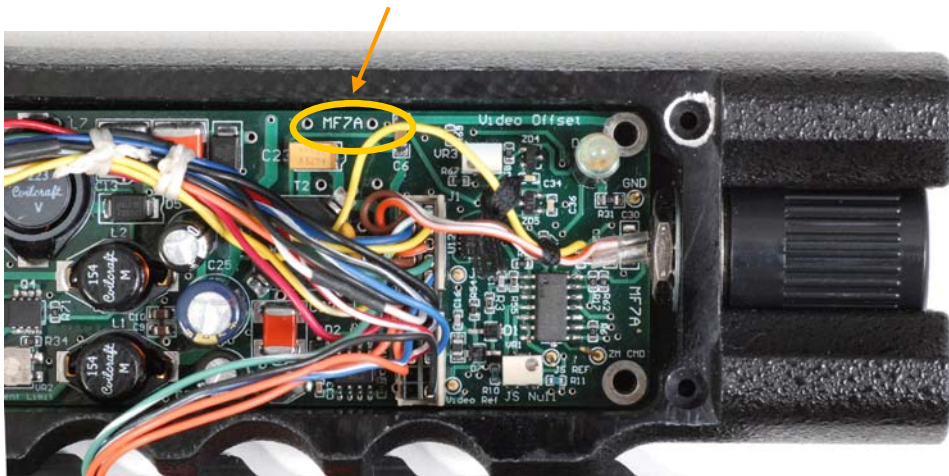
- c. If your control has a **blue dot** it is compatible with all video cables.
2. Check that the video cable has a green band identifier. This indicates that a protection transistor has been installed. Older cables lacking the green band may be sent to the factory for conversion.



3. Check whether your control has Opto-Isolator protection for use with “Digital Lenses”. Remove the 4 screws that attach the cover of the control to the chassis and inspect the board for the version number.

a. Analog Micro Force V+F2 with circuit boards marked MF7A as shown in the picture below have built-in Opto-Isolator protection:

This board marked MF7A does not require an update.



b. Digital Micro Force units with boards marked DMF 2.2 have a built-in Opto-Isolator for lens protection. The circuit board version appears just to the right of the Zap switch as shown in the photo below.



This Digital MF board version is 2.0 and requires the Opto-Isolator update.

c. Check whether your Micro Force unit already has an “Opto-Isolator circuit board installed like that shown in the photograph. If this board is present, the control is ready to be used with a video lens.

Opto-Isolator circuit board



4. If your control does not have the Opto-Isolator, please contact our Service Department to arrange for the update to be installed.