

Operating Instructions VZ-FC-U (Universal Focus Control)

This apparatus is designed for precise focus control, so careful setup and basic maintenance of the unit are essential. Although it is simple to connect and use, there are a few **extremely important rules** to follow:

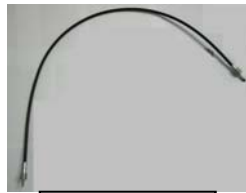
***FIRST:** NEVER BEND THE DRIVE CABLE PAST A GENTLE ARC!! THIS IS A PRECISION-WOUND CABLE AND IT COULD BE IRREPARABLY DAMAGED BY BENDING IT TOO FAR. LIKEWISE, DO NOT TWIST THE CABLE OR STORE IT IN A BENT POSITION.

***SECOND:** WHEN CONNECTING AND SETTING UP THE UNIT, NEVER ATTEMPT TO FORCE THE MOVING PARTS. IF THEY AREN'T MOVING SMOOTHLY, SOMETHING ISN'T CONNECTED PROPERLY. DAMAGE TO THE FOCUS CONTROL AND/OR LENS ASSEMBLY MAY OCCUR THROUGH INAPPROPRIATE FORCE!

The FCU consists of five basic parts:



Focus Handle



Drive Cable



Universal Bracket
w/ Gearbox

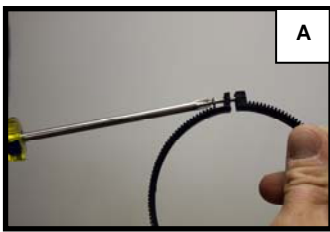


Lens Gear Adapter



15mm Step-Down
Adapter

1. Remove the screw on the lens gear adapter (A) and place it around the focus ring on the camera, then replace and tighten the screw until snug (B). Be sure the lens gear adapter is centered all the way around the camera's focus ring (C).



Incorrect



Correct

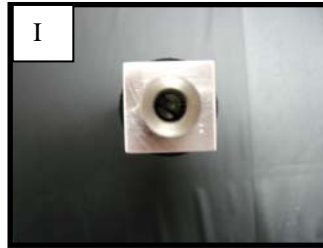
2. Attach the mattebox rods and make sure they are lined up exactly parallel with the camera's centerline (Note: The universal bracket comes with a step-down ring for use with 15mm rods. Remove this adapter if you have 19mm rods (D)). Now slide the bracket with gearbox (E) onto your mattebox rods and center the brass gear vertically and horizontally in relation to the lens gear adapter (F). You may have to adjust the angle/length of the bracket by loosening the ratchet bolts (G) (called 'ratchet' because the handle can be repositioned w/o tightening or loosening by pulling out on the handle, thereby disengaging the clutch, and rotating it). Engage the brass gear to the lens gear adapter before locking everything down.



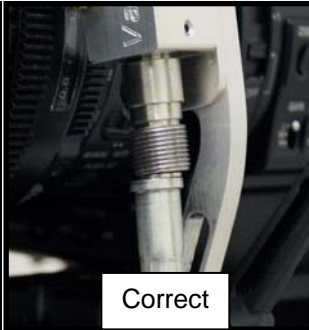
3. Affix the focus control handle to your tripod pan handle using the adjustable clamp. Once the clamp is firmly tightened, you can adjust the orientation of the focus control handle by loosening the screw at the locking swivel joint.



4. With the focus control handle and universal bracket/gearbox firmly attached, you can connect the drive cable. Start by taking one end of the cable in your hand – observe the flat-head tip (**H**) protruding – this flat-head will fit into a slot located in the threaded socket (**I**) of the focus control handle. Align the flat-head tip with the slot in the socket (**I**) and insert, holding it so the focus control handle can be *turned* enough to ensure a proper fit. If the flat-head tip is firmly in place, the tip on the other end of the drive cable will rotate smoothly. Slide the threaded metal cap onto the threaded socket and tighten thoroughly (**J**).



5. Attaching the drive cable to the gearbox is essentially the same as described in step 4. Align the flat-head tip of the cable with the slot in the socket located on the gearbox (**L**). Insert the flat-head tip and hold the cable in place, turning the focus control handle until the whole unit moves smoothly – at this point, the brass gear should easily turn the focus ring on the lens. Once the whole unit rotates smoothly, you can slide the threaded metal cap (**M**) onto the threaded socket and tighten it thoroughly. Be sure that the cable is inserted all the way before tightening down the metal cap.



STRICT WARNING

NEVER BEND THE FOCUS DRIVE CABLE MORE THAN IT IS BENT IN ITS ORIGINAL PACKING (WITH THE TIPS TOUCHING TO FORM ONE LOOP). IF YOU NEED TO PACK THE VZ-FC FOCUS CONTROL OR RETURN IT TO VARIZOOM, PACK IT ONLY IN ITS ORIGINAL BOX (THE LARGER OUTER BOX) OR ONE THAT DOES NOT REQUIRE YOU TO COIL THE CABLE TIGHTLY OR OTHERWISE BEND IT SHARPLY (AT LEAST 14 X 14 INCHES / L x W). DAMAGE CAUSED BY OVER-BENDING OR TWISTING THE CABLE IS NOT COVERED BY WARRANTY! IF THE CABLE IS DAMAGED BY EXCESSIVE BENDING OR TWISTING, IT CANNOT BE REPAIRED AND IT WILL HAVE TO BE REPLACED AT THE BUYER'S EXPENSE.

