

Hand Unit and Focuser Motor Operation

Your purchase includes a motor and a hand unit for controlling the motor. These instructions will explain the operation of both.

Single-Control Hand Unit

The linear voltage control (LVC) hand unit controls one motor. It includes two red forward and reverse push buttons and a black two-position slow-speed slide switch. The slow-speed switch adjusts from high (left) to low (right). The system automatically changes from slow speed to fast speed when one of the forward or reverse buttons is held down for two seconds or more. This effectively gives the hand unit three speeds:

- 1) **Very Slow** (black switch set to right position with a red button held down for less than two seconds),
- 2) **Slow** (black switch set to left position with a red button held down for less than two seconds) and
- 3) **Very Fast** (automatic speed-up when a red button has been pressed for two seconds or more).

Note: You can place the black switch in the center (not a normal position) to get fast speeds at all times.

The system includes a 1/8" jack for the hand-unit-to-motor cable, quick-stop electronic braking to keep the motor from coasting past the point where you release a forward or reverse button and a 9-volt alkaline battery for power. It can control MOTOFOCUS, MOTODEC, EV, NGF and RCF motors.

A dual-control hand unit is available. It includes a toggle switch to switch control between two different motors. The dual-control hand unit does not include LVC electronics and uses a small rotary manual speed control.

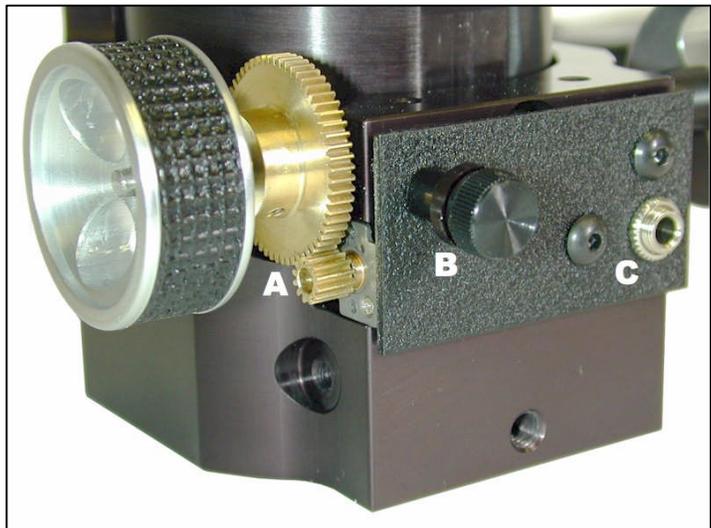


Focuser Motor

If you are using the hand control to run a motor on a focuser, the following instructions will explain the operation of the motor.

The focuser is designed to be operated manually or with the motor. To manually focus, by turning the focuser knobs, you must disengage the drive gears (A). This is accomplished by backing off the motor thumbscrew (B) by turning it counterclockwise. When you desire to use motorized operation, simply turn the thumbscrew (B) clockwise until the gears are engaged (meshed together). Only apply enough pressure to completely engage the gears. Your focuser may look slightly different than the picture but the operation will be the same.

To use the motor, plug one end of the motor cable into the jack on the top of the hand unit and the other end into the jack on the focuser (C).



With normal care, your hand unit and motor will give many years of reliable service.

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