

Instructions for Questar Powerguide

Battery Operation: Plug one end of DC cord (BLACK cord) into receptacle on Powerguide panel and other end into dash lighter receptacle of any automobile with a 12-volt, negative ground system drawing about 1 ampere of current. For positive ground we will provide the necessary cord. Be certain that the source never exceeds 13.2 volts. Higher voltages may damage the Powerguide and void the guarantee.

House Current Operation: Plug one end of AC cord (brown cord) into receptacle on the Powerguide panel and other end into a 110 volt, 60 cycle outlet. World model may be plugged into any 110 volt, 50 or 60 cycle outlet. (See below, 50/60 Hertz Rockette)

Pilot Light: When AC output power is generated, the neon pilot light will glow. The glow will cease whenever the power flow does, including the stop function of the hand control.

Sidereal and Lunar Settings: The white "Rockette" switch centered on the panel selects the proper drive rate for observing and photographing natural celestial objects. Sidereal drive rate is proper for all objects except the moon. Lunar selects the slightly slower rate for tracking the moon. Switch in mid-position shuts the Powerguide off.

Fast and Stop Pushbutton: When the Questar Piggy-back Mount is used for deep-sky, long-time exposure photography, the pushbutton on the hand control enables the operator to make corrections in tracking easily. A slight depression of the pushbutton will stop the motor and depressing it all the way speeds the motor beyond sidereal rate. This important feature operates on Sidereal and Lunar settings.

Power Output: Powerguide is designed especially for Questar telescopes but will provide proper operation for synchronous motors up to 10 watts.

Reticle Eyepiece Control: An important convenience of the Questar Powerguide is the incorporation of a controllable power source to illuminate the separately available cross-hair reticle eyepiece for use with the Piggy-back Mount and other applications. Inserting the eyepiece plug into the reticle jack lights the eyepiece bulb and the degree of light is decreased by turning the brightness control knob counterclockwise and increased by turning clockwise.
Maximum voltage 12 volts.

Output Frequency Trimming Control: The purpose of this control is to compensate for any rise in output frequency which may occur as the circuit warms during long period operation.

Fuse: Should a fuse blow due to overload, replace with AGC-2 (formerly 3AG).

50/60 Hertz Rockette: Colored rocker available on World Powerguides only unless specifically requested. This switch must be activated for either 50 cycles or 60 cycles to obtain AC output.

Guarantee: Each Powerguide is individually tested prior to shipment. The Questar Powerguide is unconditionally guaranteed for 90 days after date of purchase and should be tested for proper operating function immediately upon its receipt.

Should Unit Fail to Start:

Check to see if plug ends are properly seated in receptacles.

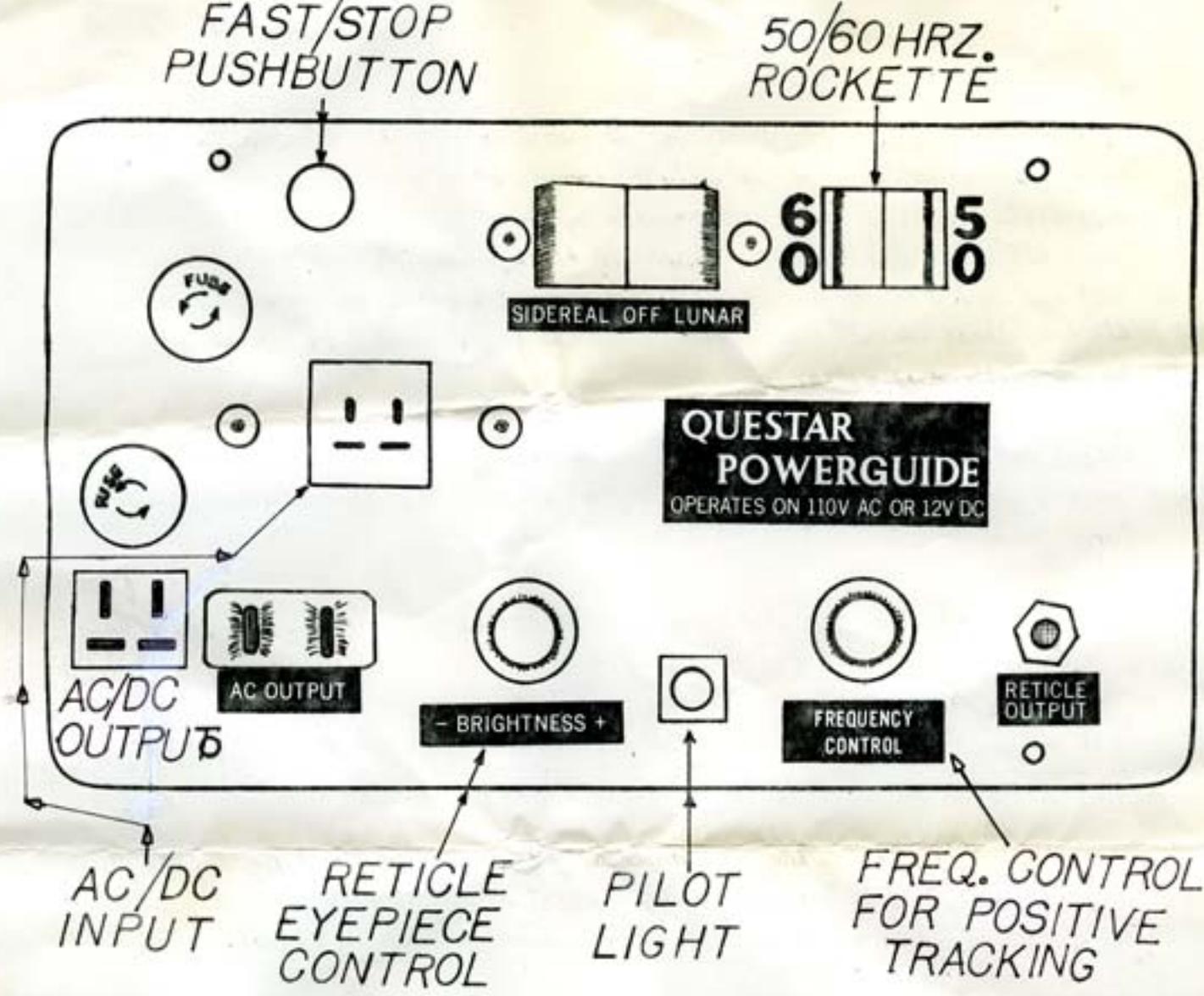
Check for blown fuse (s), replace only with AGC2.

Check frequency rockette on World model, must be depressed either for 50 or 60 hertz to operate.

Sidereal/Lunar switch must be activated for Powerguide to supply AC output.

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POWERGUIDE PANEL LAYOUT