

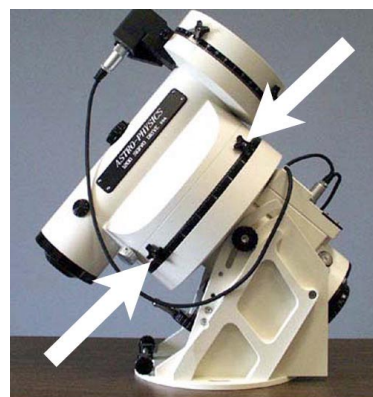
CABLE CONTROL FOR THE 1200GTO

The movement of the mount across the meridian during slewing functions is calculated so that the cables will not tangle if they are set up properly. In addition to the motor and power cables that are provided with the mount, you may have additional cables for other accessories. These may be powered from the GTO Control Panel or from another power source. We suggest that you position your cabling carefully to avoid a tangled mess. When your cables are set up, move the telescope manually throughout the normal range of movement to be sure that the cables do not catch on anything and that you have enough length.



1200 Motor Cables

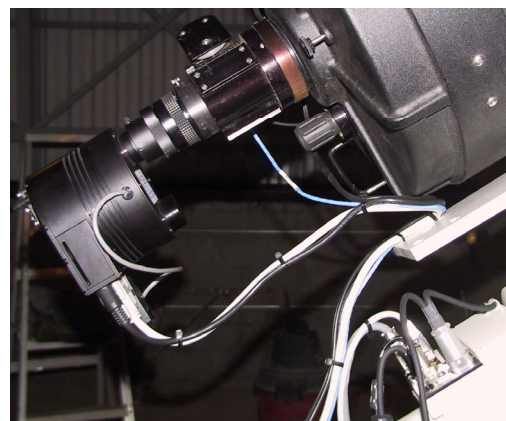
Note that the "Y" cable for the 1200 mount originates at the GTO Control Panel connector, then splits into two. The short portion connects to the RA motor box and is not likely to be in the way because this axis remains in the same position. The longer Dec portion of the cable must be set up properly to ensure that as the Dec axis moves, the cable follows smoothly. Please insert this cable into the cable mount in the upper left corner of the GTO Servo Control Box as shown above. When the connector is attached to the Dec motor box, the cable should be positioned as shown in the photograph.



Installing the M12668 Modified Screws

Since it is possible for cables to be caught in the RA clutch knobs (see white arrows above), we offer part #M12668 as a substitution. This part is a modified 5/16-24x5/8" set screw. Simply remove the original two clutch knobs shown above and use an Allen wrench to install M12668. Adjust the tension per the instructions for RA Clutch Knobs in the manual. Note that you will need to bring an Allen wrench with you in the field for future adjustments. The clutch knobs on the other side of the mount can be left in place since they do not interfere with the cabling.

Please call Astro-Physics to order these screws. Do not attempt to substitute normal 5/16-24 screws. The modified screws must be used to ensure that the clutch plugs function properly.



Accessory Cables

Accessories may include Kendrick Dew Removers, CCD cameras, autoguiders, focus motors, illuminated eyepiece reticles, power cords for the Pentax 6x7 camera, etc. As you attach each accessory, carefully assess the best position to assure complete movement as your telescope slews from one side of the mount to the other. If an external power source is used, determine the optimum location for the battery.

We suggest that you bind the cables together and support them on the mounting plate, if possible, since it moves with the scope. If you use a dewcap heater, run the cable along the side of the tube and attach it to the tube, mounting rings or plate to keep it in place. It is especially important that the cable from your CCD camera is supported to prevent unwanted movement of the camera from the weight of the cable.

We prefer to use tie wraps (not glamorous, but effective) or cable ties (from electronic supply store or catalog) to secure our cables to the mount, telescope, and rings or to bind them together. Plastic adhesive cable mounts, available from electronic supply stores, are an alternative choice. We prefer to use ties since we cannot bear to attach adhesive cable mounts to our telescopes or mounts.

If we use tie wraps to secure several cables together and plan to use that same setup in our next observing session, we keep the ties in place when we disassemble our equipment. The setup for the next session is much quicker.

