

## Aerohead Startup

1. Mount head on sticks, dolly, or crane using supplied Mitchell nut and wrench.
2. Mount tilt-plate to head by loosening two Allen bolts and inserting the tilt-plate dovetail. The orange marks on the tilt-plate and tilt-plate mount mark center, but this can be adjusted for balance.
3. Make sure AC power that is supplied for you is uninterrupted and on a leg dedicated to you (not an absolute). If shooting repeat passes using a UPS is a good idea.
4. Check AC power supplied for you with circuit checker.
5. Before plugging anything in, make sure the power supply is switched off, and unplugged.
6. Plug in all necessary cables (All cables in the startup bag are necessary for operation):
  - Console cable (marked "A") and console power (marked "Console Power").
  - Console cable to Interface box (Marked "B") and console power to power supply (Marked "Console Power").
  - Head Cables from interface box to Head (Marked "C" on the interface side and "D" on the head side).
  - Interface power supply cable from the power supply to the interface box (Marked "Interface Power").
  - Pan/Tilt cable from wheels to console (Gray 27 pin Lemo).
  - Tilt-plate power cable (marked "E" on head side and "Power" on plate side).
  - Power supply power (Use attached circuit checker to check AC supply before plugging in).
    - Note: If the power supply and interface box can be placed within 6' of the console, a short 6' console cable loom is available, which will eliminate the clutter of the 50' console cable loom.
7. Turn on power (on power supply)
8. On power-up, console display will say "Home Hard". Press the "Cancel" button.
9. Press the red "Motor Power" button to enable the motors.
10. Test Pan and Tilt using the wheels.
11. Mount Camera and Preston focus and zoom motors, and plug in motors (with head powered on).
12. Check camera balance. Have someone put a hand on camera package & then turn motor power off. By hand rotate camera package 45 degrees up to see if it holds position. Then rotate camera package 45 degrees down and see if it holds position. If it does not hold position in either direction adjust tilt plate clamp to reposition the weight. If you run out of adjustment on tilt plate clamp you will need to readjust camera package on sliding baseplate.

13. Turn motor power back on.
14. Preston motors should cycle. If they don't cycle, press the red "Reset" switch on the tilt-plate.
  - Note: There are direction reverse switches located below the Preston cable ports on the tilt-plate.
15. Turn on Preston hand controller and test motors.
  - If the motors don't move, check the switch on top of the interface box, and make sure it is set to "Radio".
  - If the motors still don't move, check the channel selectors on the interface box and on the Preston hand controller, and make sure they are set to the same channel.
16. If the motors still don't move, there is a cable included in the Preston kit, that can be used in place of the wireless. Connect the hand controller to the console using the included cable.
17. Position head to hard marks (tape marks) for zero.
18. Hit pan, tilt, & roll, then setup.
19. Scroll to "Set Zero", recheck marks (or have someone look for you), hit accept.
20. Check for any obstructions in movement of head.
21. If necessary set limits.

### **NOTES:**

1. If at all possible once a move is recorded do not disengage lens motors. While everything should go back to its proper spot, there is no way of setting zeros on the lens motors. It is advised that very good notes are taken on lens positions once the move is recorded and checked in-between passes along with move start marks on the head. If you have to change a lens between shots or power down the Preston, re-cable, or anything that would make the motors recalibrate it is a good idea to follow these steps.
2. Drive the lens to one extreme or the other, make the nec. changes, manually put the lens at the end of travel that you set it at, reengage the motor, make sure the hand unit is in the same end of travel that you set it at, turn hand unit on, then plug in the motor cable back into the camera plate.
3. **NOTE: The RED ONE camera has not been tested with the camera power port on the head!!! Please use a separate camera battery or power supply!**
4. **NOTE: There are no safety stops on the camera plate (sorry)! Make sure you tighten the camera before moving the head!!!**