

Assembly and Use Guide for the KAPtery [Pendulum Kit](#)

Parts List at KAPtery.com/guides

For spare parts: KAPtery.com

Technical support: <http://kaptery.com/contact/>

The KAPtery Pendulum is available in two versions: the ready-to-fly Pendulum and the build-it-yourself Pendulum Kit. These are the instructions for assembling the kit.

Tools needed

- pliers or Vise-Grips
- glue (epoxy or super glue)



Install the wire for attachment to the flying line

1. Insert the short tube into the top end of the PVC tube until the holes align.



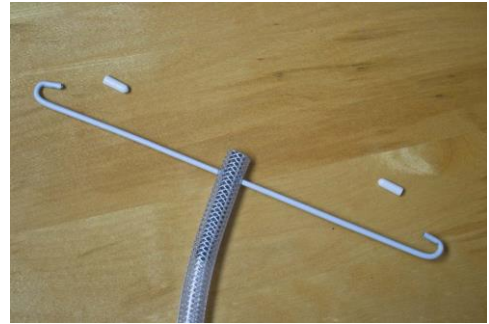
The short black tube stiffens the end of the flexible tube and helps hold the rig away from the flying line.



The vinyl wire should fit tightly so it doesn't slide easily.

2. Pass the vinyl coated wire through the PVC tube and the fiberglass tube.
3. Wrap the coated wire with thick cloth to protect the vinyl, and use strong pliers to bend the ends into a hook. Grip the wire tightly to prevent twisting which will rip the vinyl.

4. Glue the vinyl caps onto the ends of the wire.



A little superglue will hold the caps on.

Attach the damper to the top of the shaft

Insert one end of the 38 cm shaft (the end with a single drilled hole) into the free (lower) end of the flexible tubing. Rotate the shaft until holes align and insert the large cotter pin through the holes until it locks. The shaft can be attached in three or more different orientations to point the camera rig.



The larger cotter pin can lock the shaft in one of three or more positions.



Attach the camera rig

Insert the lower end of the shaft into the top bracket of the Redstone, Aerobee, or Titan 2 Rig. Insert one cotter pin beneath the rig frame and one through a hole in the bracket. Use the smaller size cotter pin. **Both pins are important to secure the rig.**

Attach the flying line

To attach the pendulum to a flying line, wrap the line 4 to 5 times around each end of the vinyl coated wire. **Important:** Make the spiral on one half of the wire in the same direction as the spiral on the other so the **spiral is continuous** for the length of the wire. The entire pendulum can fall off if the spiral is not continuous!



Remember: Continuous Spiral!!!

Attach a lanyard

Make a redundant connection between the camera and flying line with a short piece of Dacron line and a carabiner. After a few successful flights, decide whether you need to keep using the lanyard (**YES**).