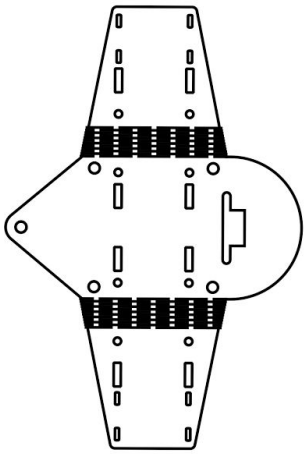
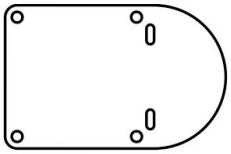
Head Segment Assembly

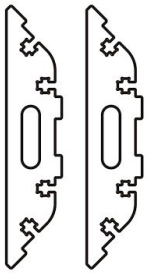
Items required:



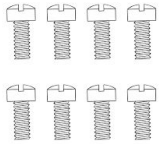
Acrylic Head Segment



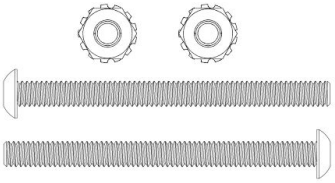
Acrylic Head Top



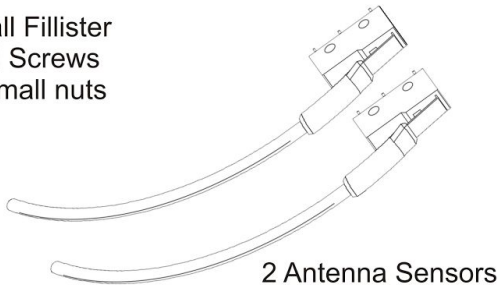
2 Acrylic Segment Supports



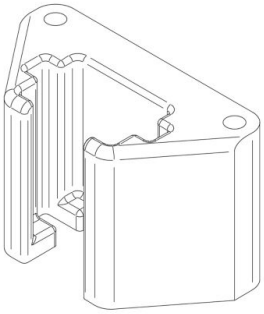
8 Small Fillister Head Screws & 8 Small nuts



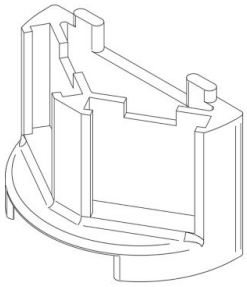
2 2” Screws & 2 Keps Nut



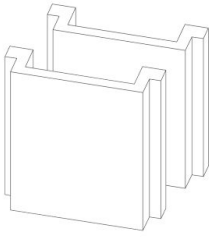
2 Antenna Sensors



3D printed 9v Holder



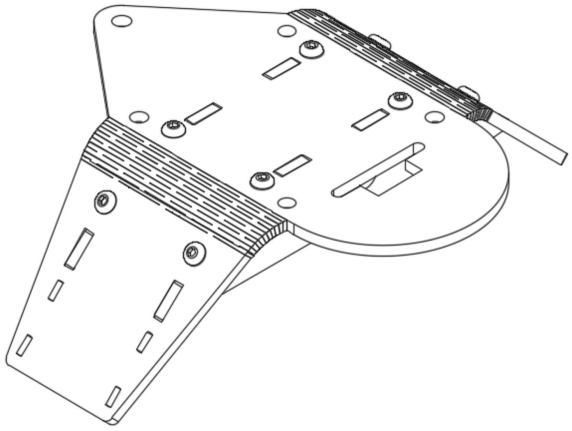
3D printed Sensor Holder



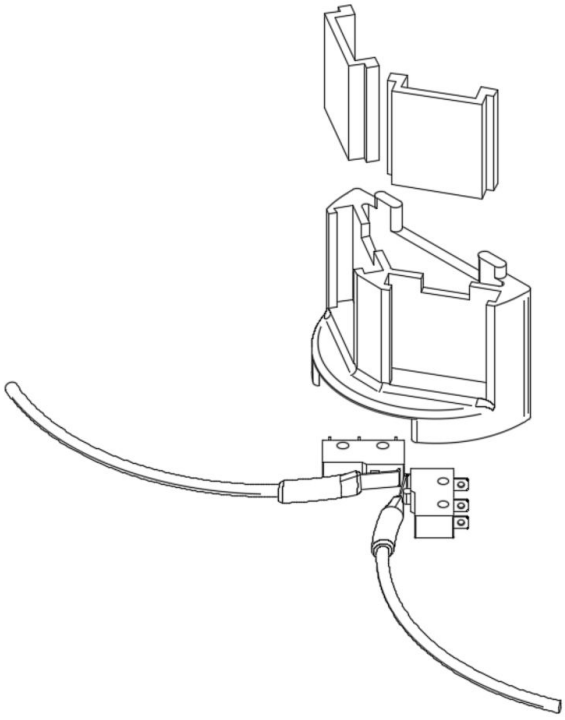
3D printed Sensor Blanks

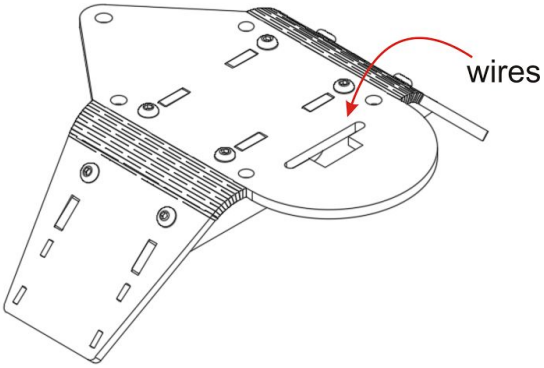
Small Phillips Head Screwdriver

Step 1: Remove paper from all acrylic as described in Segment Assembly section. Using the flat acrylic head segment, segment supports, small screws and nuts, assemble segment base as described in the Segment Assembly section.



Step 2: Assemble the front part of the head by first sliding the two sensor blanks into the sensor mount. Align the two antenna sensors with the pegs on the underside of the sensor mount and set on top of the assembled head segment. It is probably easiest to flip everything upside down to keep the the antenna sensors in place while you match the parts up. Feed the wires from the antenna sensors down through the hole in the assembled head segment and through the segment supports.





Step 3: Place the 9v holder on top of the assembled head segment and then place the head top on the sensor mount and the 9v holder aligning all tabs. Run the 2” screws through the head top, the 9v holder and the head segment. Use the Keps nuts to secure all pieces together.