

AZ Mandible – 3D Print Settings

For: AZ_Piezo_Jaw_Mount_v1.stl & AZ_BoneConduction_Mount_v1.stl

Files to Print

1. **AZ_Piezo_Jaw_Mount_v1.stl** — Holds the 27 mm piezoelectric disc
2. **AZ_BoneConduction_Mount_v1.stl** — Holds the Dayton TT25-8 transducer

Recommended Print Settings

Setting	Value
Material	PLA (easiest) or PETG (preferred for durability)
Layer Height	0.20 mm
Infill	25–30%
Wall Loops / Perimeters	3
Top / Bottom Layers	4–5
Supports	None
Print Orientation	Flat side down
Bed Adhesion	Optional brim

After Printing

1. Remove parts from the bed and clean any small imperfections.
2. Use a sharp hobby knife to cut a **3 mm wide cable exit notch** on the side of each mount.
3. Test fit the components:
 - 27 mm piezo disc → smaller mount (Piezo Jaw Mount)
 - Dayton TT25-8 → larger mount (Bone Conduction Mount)
4. Parts should drop in with light friction. If too tight, lightly sand the recess.

Notes

- No supports are required.
- Both parts are small and print quickly.
- PLA is completely acceptable for the first prototype.
- PETG is slightly more durable if available.