

AZ Mandible – Print Guide v2

Anatomical Jaw Mount + Bone Conduction Mount

Files to Print

1. AZ_Piezo_Jaw_Mount_v2_Anatomical.stl

- Elongated jaw-shaped mount for the 27 mm piezo disc
- Size: 48 × 28 × 5.5 mm
- Recess: Ø 27.5 mm × 1.35 mm deep

2. AZ_BoneConduction_Mount_v1.stl

- Round mount for the Dayton TT25-8 transducer
- Size: 34.5 × 34.5 × 6.5 mm

Print Settings

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

After Printing

1. Remove parts and clean any small imperfections.
2. Cut a **3 mm wide cable exit notch** on the side of each mount with a hobby knife.
3. Test fit the components:
 - 27 mm piezo disc → Jaw Mount v2 (elongated)
 - Dayton TT25-8 → Bone Conduction Mount
4. Parts should drop in with light friction. Lightly sand if too tight.

Placement Note

The Jaw Mount v2 is designed to sit on the **angle of the mandible** (corner of the jaw), not centered under the chin. This gives the best bone contact for the piezo sensor.