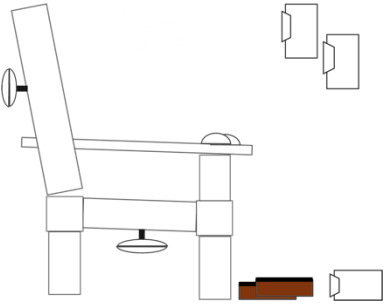


# Footrest Transducers



- **Footrest** x2
- **Aurasound** AST-2B-4 Pro Bass Shaker Tactile Transducer x2
- **Facmogu** M6 Audio Power Amplifier, 100Wx2 Dual Channel w/Optical
- **Facmogu** 24V Power Supply - Black
- **Digital** Audio Fiber Optic Cable, Toslink SPDIF ADAT, 6FT (sensitive, *do not bend*)
- **16-Gauge** Speaker Wire Cable x2
- **6-Outlet**, Power Strip

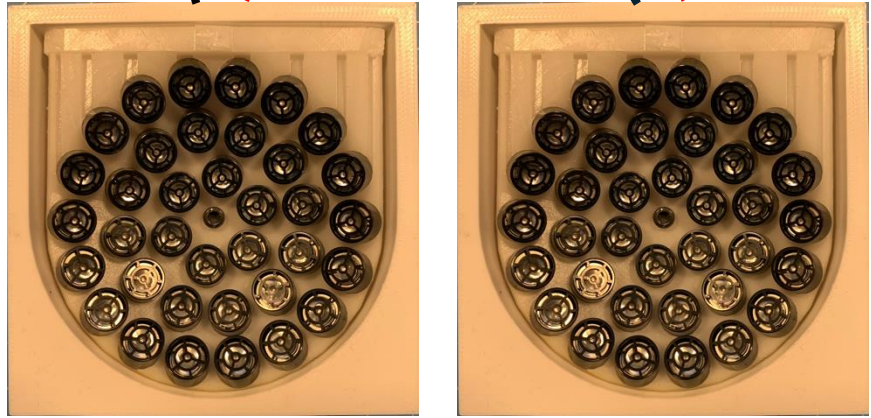
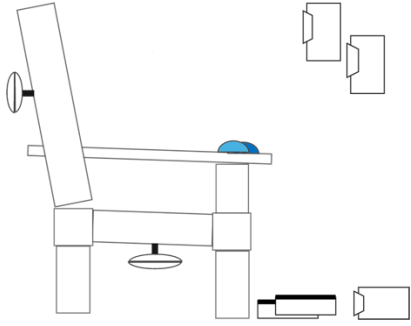


Press and hold the round volume button until the blue light starts blinking. Press it again briefly, and the blue light should turn purple, indicating optical out. Set the volume to 25.

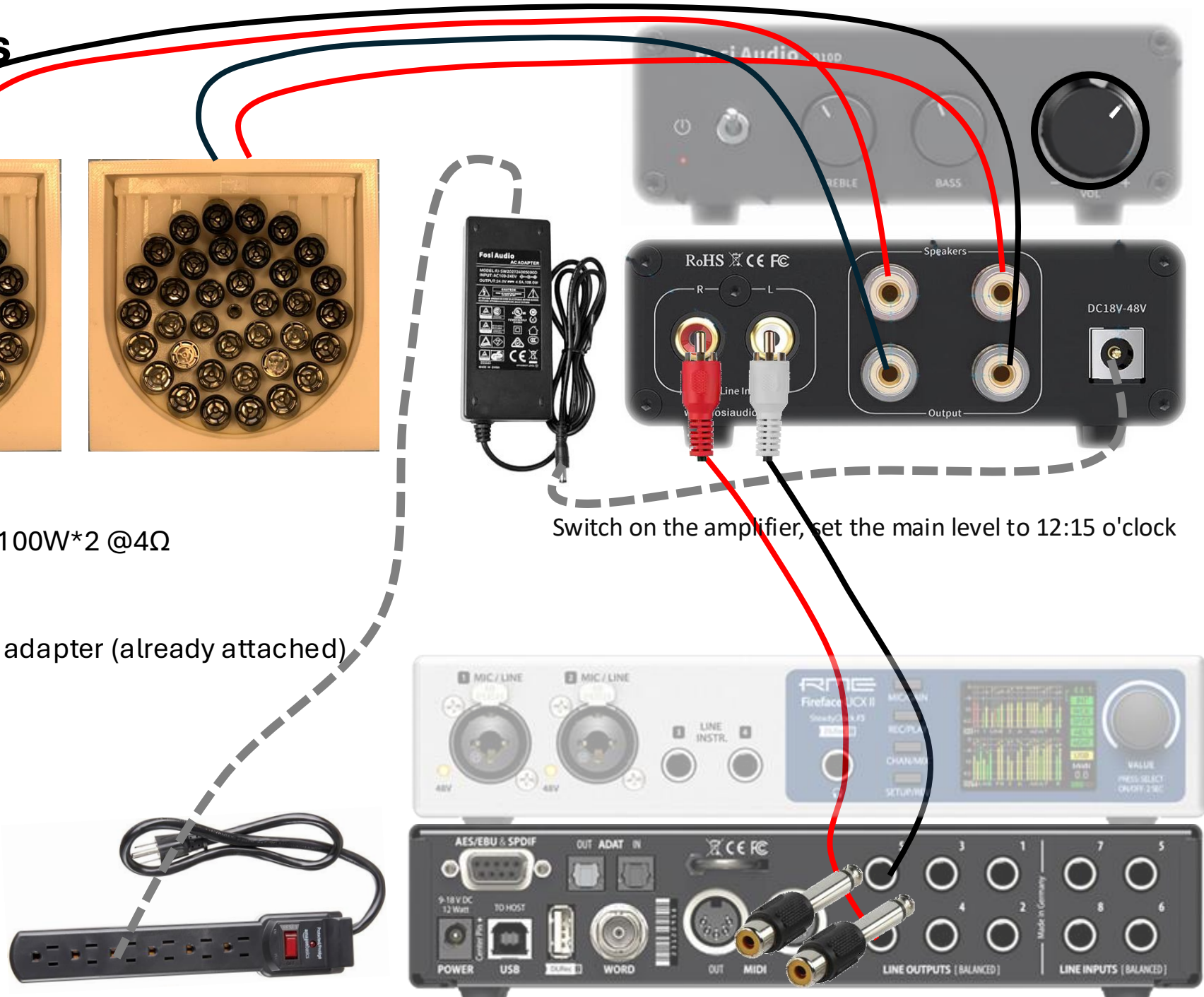
Set the Audio interface to output options to Optical out SPDIF, Sample rate 96KHz



# Ultrasound Transducers

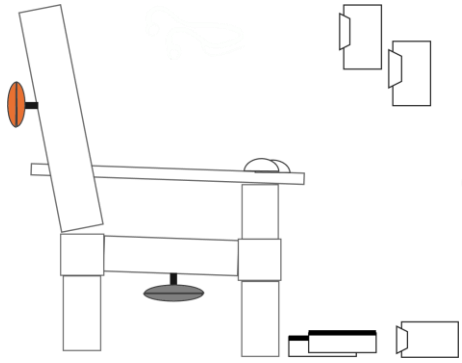


- ✓ Fosi Audio TB10D 600W Power Amplifier, 100W\*2 @4Ω
- ✓ Fosi Audio 32V Power Supply
- ✓ RCA to RCA cable with,
- ✓ ¼ inch (6.3mm) Mono Male - RCA Female adapter (already attached)
- ✓ 6-Outlet, Power Strip (outlet 3)



Switch on the amplifier, set the main level to 12:15 o'clock

# Ultrasound Transducers



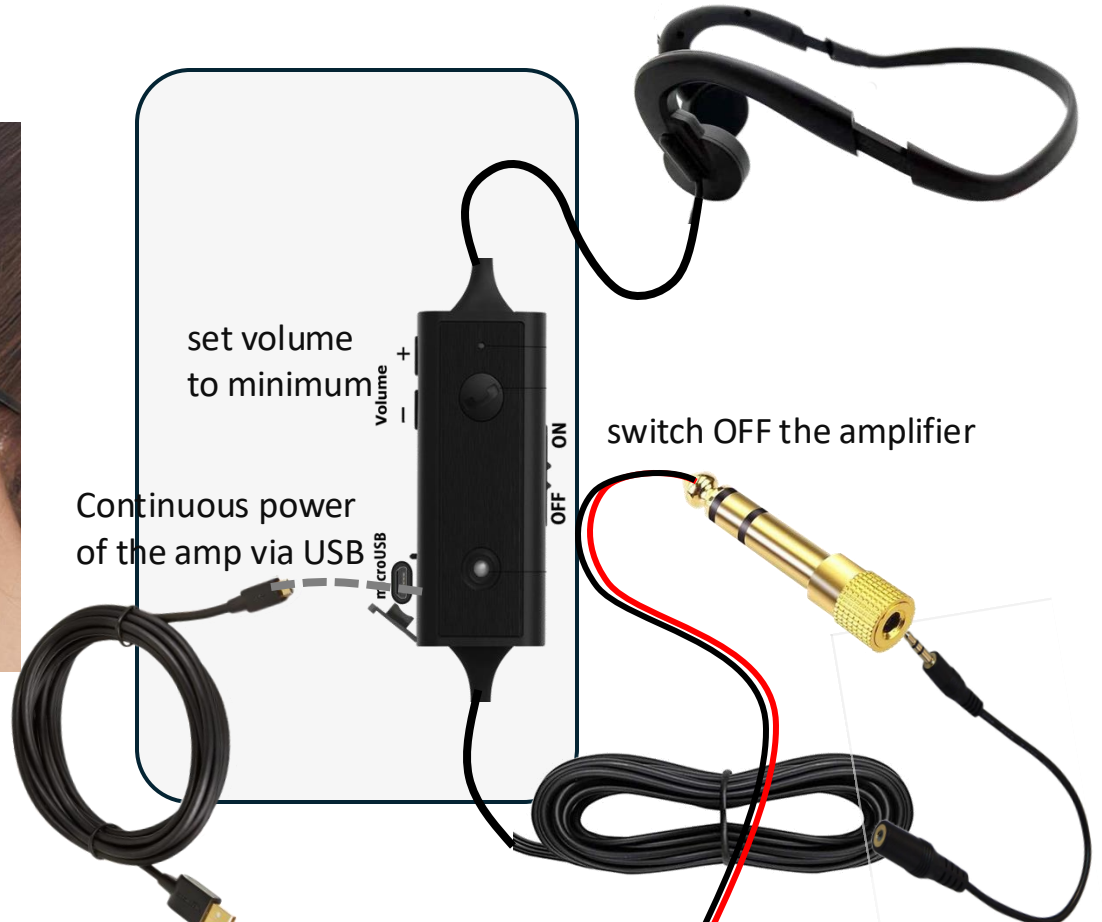
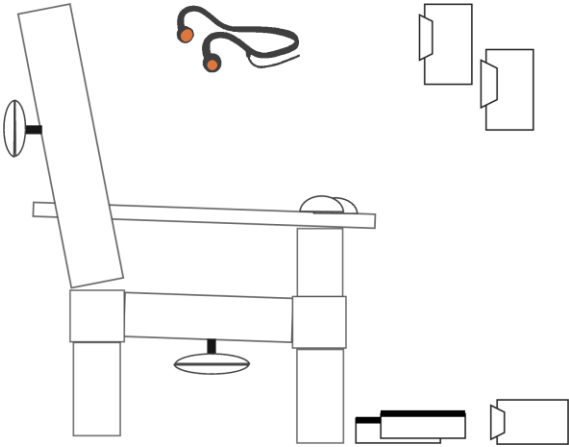
- ✓ Clark Synthesis, bottom/back chair [channel output 3-4]
- ✓ Fosi Audio ZA3 Balanced Stereo Amplifier 180W\*2 @4Ω
- ✓ Fosi Audio 48V 5A 10A Power Supply Adapter
- ✓ Clark Synthesis TST239 Silver full-frequency audio tactile transducer bass shaker
- ✓ Clark Synthesis TST329 Gold full-frequency audio tactile transducer bass shaker
- ✓ 16-Gauge Speaker Wire Cable x2
- ✓ Cable 6.35mm Mono Jack 1/4" TS Cable Unbalanced x2
- ✓ 6-Outlet, Power Strip (outlet 4)



Press and hold the orange volume to switch on the amplifier, set the main level to 12:15 o'clock



# Bone Conduction Headphones

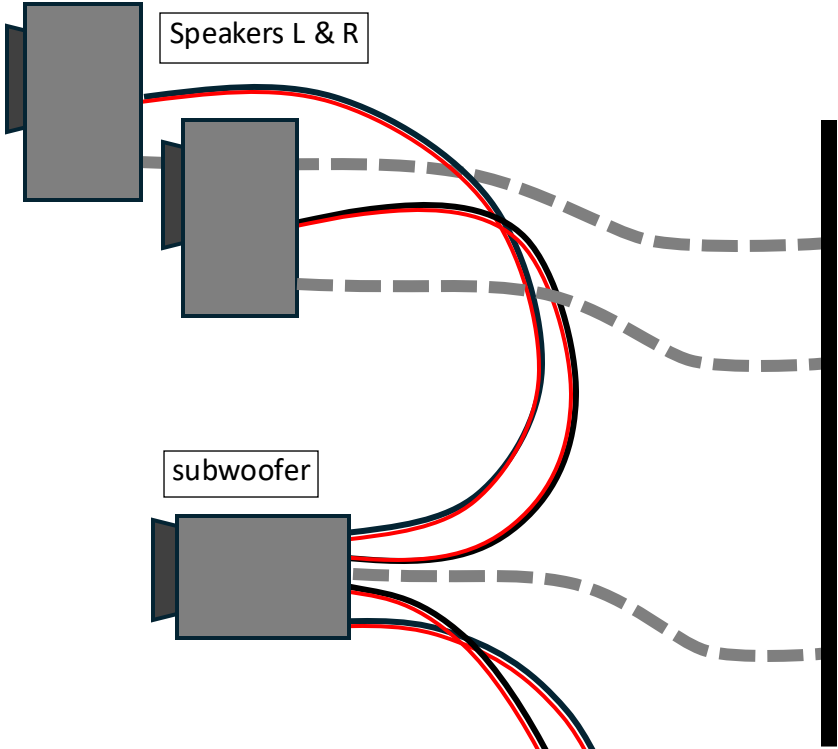
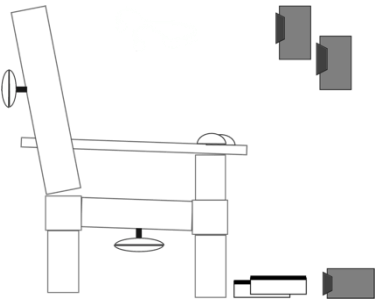


## Cochlear Bone Conduction [channel out 7-8, headphones out]

- ✓ Wired Bone Conduction Earphones with 3.5mm audio extension cable
- ✓ USB powered mini amplifier
- ✓ USB-A to Micro USB, 10 Foot
- ✓ 6.35mm (1/4 inch) Male to 3.5mm (1/8 inch) Female Stereo Audio Jack Adapter
- ✓ 3.5mm Smartphone TRRS Headset to TRS Headphones Adapter
- ✓ Wall Charger 5V USB Power Supply
- ✓ 6-Outlet, Power Strip (outlet 5)



# 2.1 Loudspeaker Audio System



## Loudspeakers 2.1 audio system [analogue out channel 1-2]

- ✓ Left and Right speakers
- ✓ Subwoofer
- ✓ Balanced XLR Cables or Unbalanced TRS Cables for loudspeakers and subwoofer
- ✓ Power cables to wall



# Amplifiers

**Facmogu M6 Audio Power Amplifier,**  
100Wx2 Dual Channel w/Optical

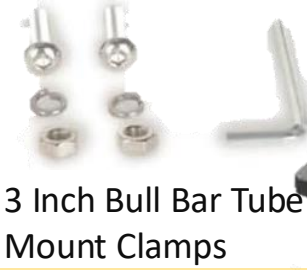
**Fosi Audio TB10D 600W Power**  
Amplifier, 100W\*2 @4Ω

**Fosi Audio ZA3 Balanced Stereo**  
Amplifier 180W\*2 @4Ω

Bone Conduction Earphones USB powered  
mini amplifier

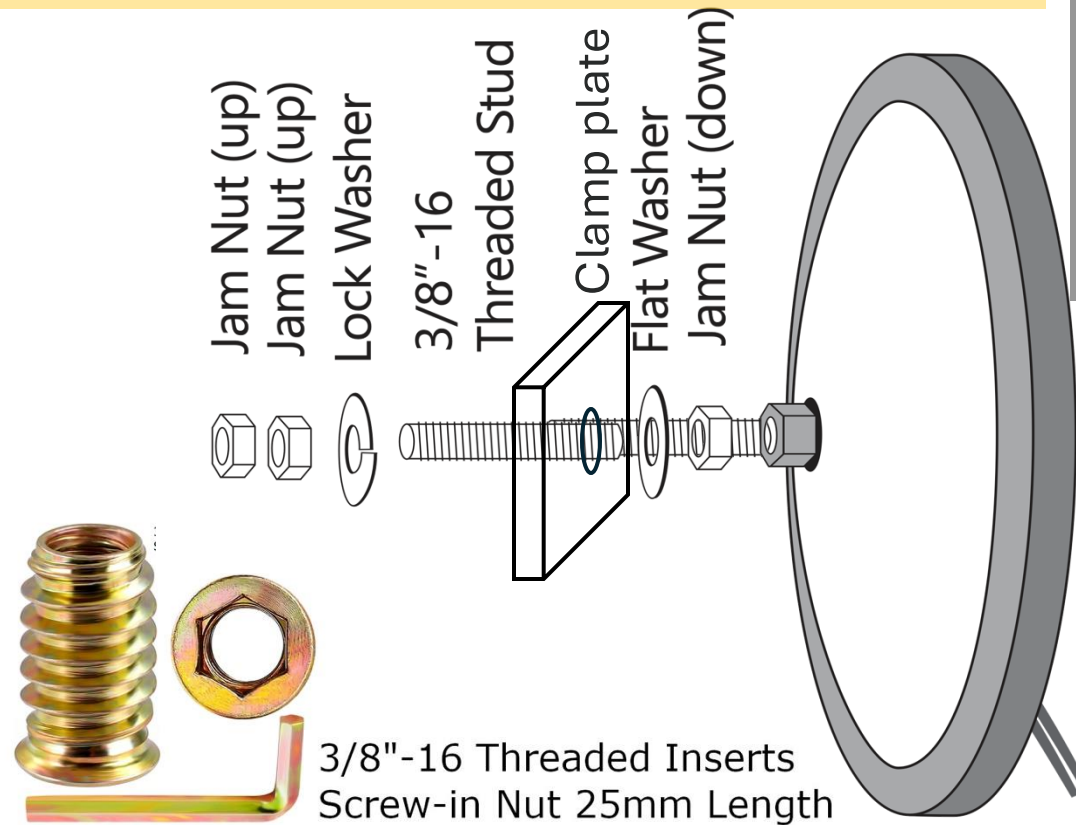


# Back Chair - Mounting Options - Clark Synthesis Transducers



3 Inch Bull Bar Tube  
Mount Clamps

**NEVER TIGHTEN BY TURNING THE Transducer.  
MAKE SURE TO TIGHTEN THE JAM NUT AGAINST  
THE Transducer's BRASS NUT**



3d Printed adapter





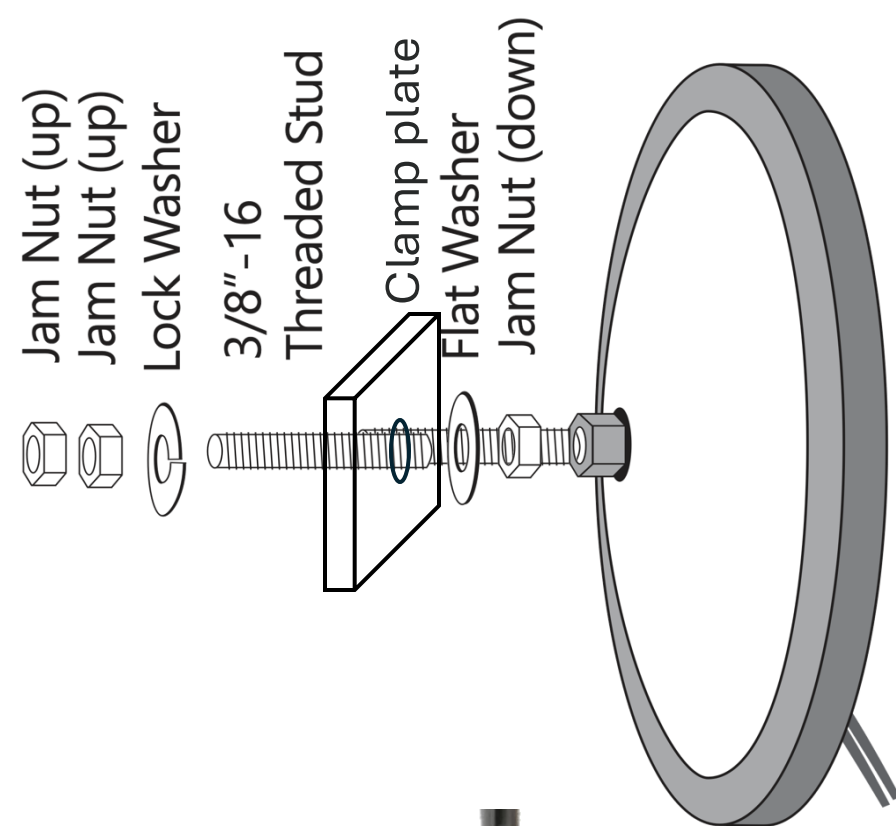
NEVER TIGHTEN BY TURNING THE Transducer.  
MAKE SURE TO TIGHTEN THE JAM NUT AGAINST  
THE Transducer's BRASS NUT



Clamp Kits [1"/1.5"/1.75"/2"  
Inch] [Horizontal Bar]



Rubber Caster  
Cups Stoppers





# Reaper Layout

The image displays a detailed Reaper audio workstation layout for a spatial audio project. The interface is organized into several vertical sections:

- Master Section (Top Left):** Features a volume knob set to -9.00dB, a "center" label, and a "1+2 Speakers" routing option. It includes a routing menu with "M", "S", and "FX" buttons.
- Speaker Groups (Left Column):** A vertical list of speaker outputs, each with a volume knob and a corresponding icon:
  - 1+2 Speakers:** Icon of two speakers.
  - Clark Synthesis:** Icon of a blue circle.
  - 3+4 Bottom Back:** Four icons of a speaker with a blue dot.
  - 5+6 Ultrasound:** Two icons of a green ultrasound transducer.
  - Bone Conduction:** Icon of a human head with a bone conduction transducer.
  - 7+8 Bone Conduction:** Four icons of a human head with a bone conduction transducer.
  - Footrest:** Icon of a footrest.
  - 9-10 Foot Rest:** Four icons of a footrest.
- Audio Tracks (Main Area):** A series of tracks corresponding to the speaker groups:
  - Track 1:** Labeled "audible\_perot\_sense96K.wav", showing a multi-colored waveform.
  - Tracks 2-6:** Categorized under "Clark Synthesis" (blue), showing waveforms and processing blocks.
  - Tracks 7-15:** Categorized under "5+6 Ultrasound" (green), showing waveforms and processing blocks.
  - Tracks 16-22:** Categorized under "Bone Conduction" (purple), showing waveforms and processing blocks.
  - Track 23:** Labeled "Footrest" (orange), showing a waveform.
  - Tracks 24-27:** Categorized under "9-10 Foot Rest" (orange), showing waveforms.
  - Tracks 28-30:** Auxiliary tracks for each group, showing processing blocks.