



Ouroboros (DIY HiFi Headphones)



Capra-Audio

[VIEW IN BROWSER](#)

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Summary

High-End, Audiophile-grade, 3D printable closed back headphones.

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Tags: [headphone](#) [headphones](#) [audiophile](#) [hifi](#)

Capra Audio

Ouroboros is a closed back headphone designed and intended for people who value high quality audio. With a dark-tilted tuning and a decent bass shelf these cans sound both fun and high fidelity.

The ring-radiator driver (similar to the one on the legendary HD800 and HD800s) is the reason behind the name **Ouroboros** as when we first laid eyes on it we were reminded of the serpent eating its tail. Although the driver is sold as a "coaxial dual driver" speaker, we do not use the small beryllium tweeter as a speaker, instead we de-solder the connections to it and allow it to operate as a passive radiator between the front and rear volumes .



The Bill of Materials can be found [here](#).

The current best place to find the drivers is to buy a used "Turtle Beach Recon 500" and use the drivers from that.

The Assembly Instructions can be found [here](#) or watched [here](#).

The Headband files can be found [here](#).

If you have any questions, comments, concerns, or just want to talk about headphones and headphone design join our

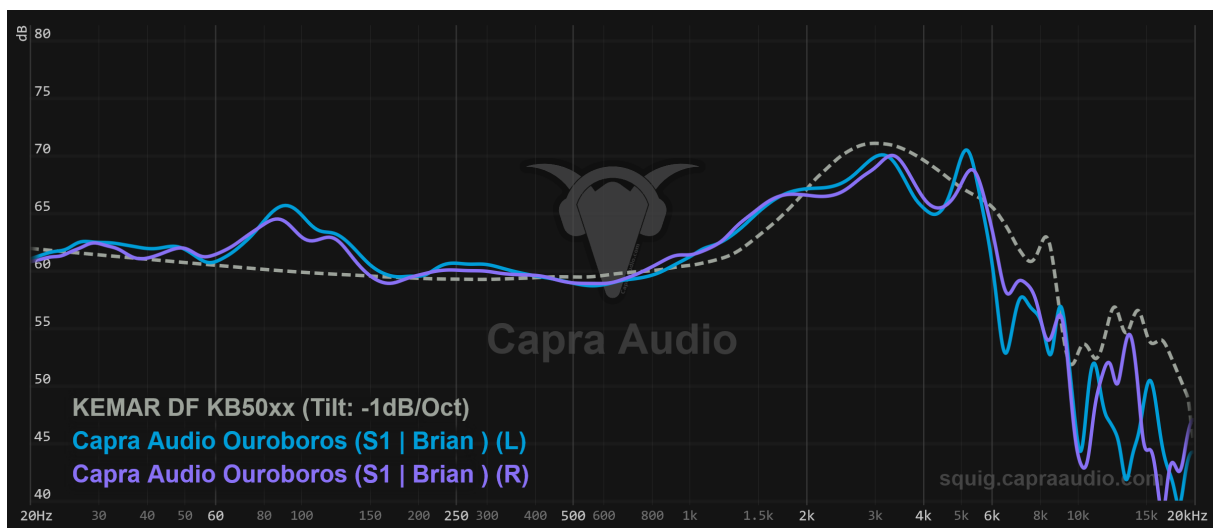
discord, link in my bio.

Additional Affiliate Links if you want to support us further:

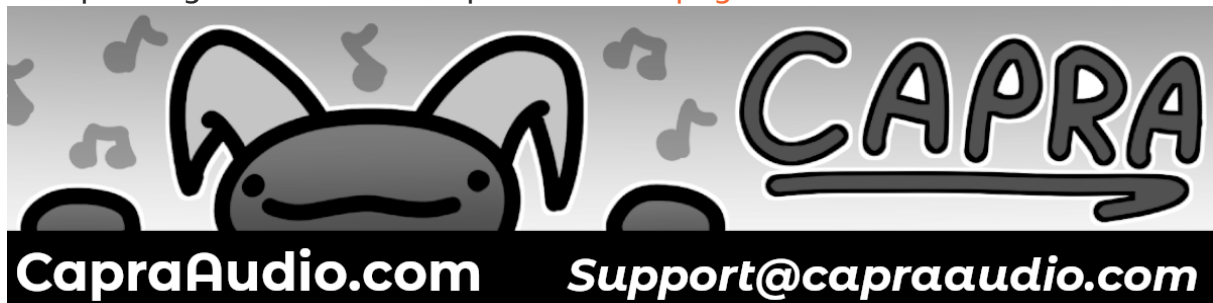
[Polymaker 95a TPU](#)

[Polymaker PLA Pro](#)

[Polymaker PETG](#)



Compare against other headphones on [Squig.Link](#)



Model files



New 3.5mm Version

7 files

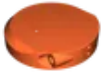


ouroboros-yoke-l.3mf

☐ Mirror in slicer to get the right side



ouroboros-rear-housing-r.3mf



ouroboros-rear-housing-l.3mf



ouroboros-fascia.3mf



ouroboros-fascia.step



ouroboros-rear-housing-l-no-fascia.3mf



ouroboros-rear-housing-r-no-fascia.3mf



3.5mm Version

2 files



rear-housing-left-35mma.stl

☐ x5 4mm Heat-Set Inserts Do not use an insert on the side port PRINT IN PLA OR PETG 50% Gyroid



rear-housing-right-35mma.stl

☐ x5 4mm Heat-Set Inserts Do not use an insert on the side port PRINT IN PLA OR PETG 50% Gyroid



Mini XLR Version

2 files



rear-housing-left-mxlra.stl

☐ x6 4mm Heat-Set Inserts PRINT IN PLA OR PETG 50% Gyroid



rear-housing-right-mxlra.stl

☐ x6 4mm Heat-Set Inserts PRINT IN PLA OR PETG 50% Gyroid



Older Heat Inserts Version (Deprecated)

4 files



rear-housing-right-mxlra.stl

☐ Larger 5mm Inserts Version PRINT IN PLA OR PETG 50% Gyroid



rear-housing-left-mxlra.stl

☐ Larger 5mm Inserts Version PRINT IN PLA OR PETG 50% Gyroid



yoke-leftg.stl

☐ Larger 5mm Inserts Version



yoke-rightg.stl

☐ Larger 5mm Inserts Version



driver-mountc.stl



grilled.stl



baffle-material-retention-platee.stl



tpu-gasketb.stl



pad-mountf.stl



yoke-rightg.stl

☐ Use an M3x10 FHSC screw to affix to the Adjustment Arm(Insert)



yoke-leftg.stl

☐ Use an M3x10 FHSC screw to affix to the Adjustment Arm(Insert)

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