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ISHAAN PATEL / CO-FOUNDER & CFO

OttO

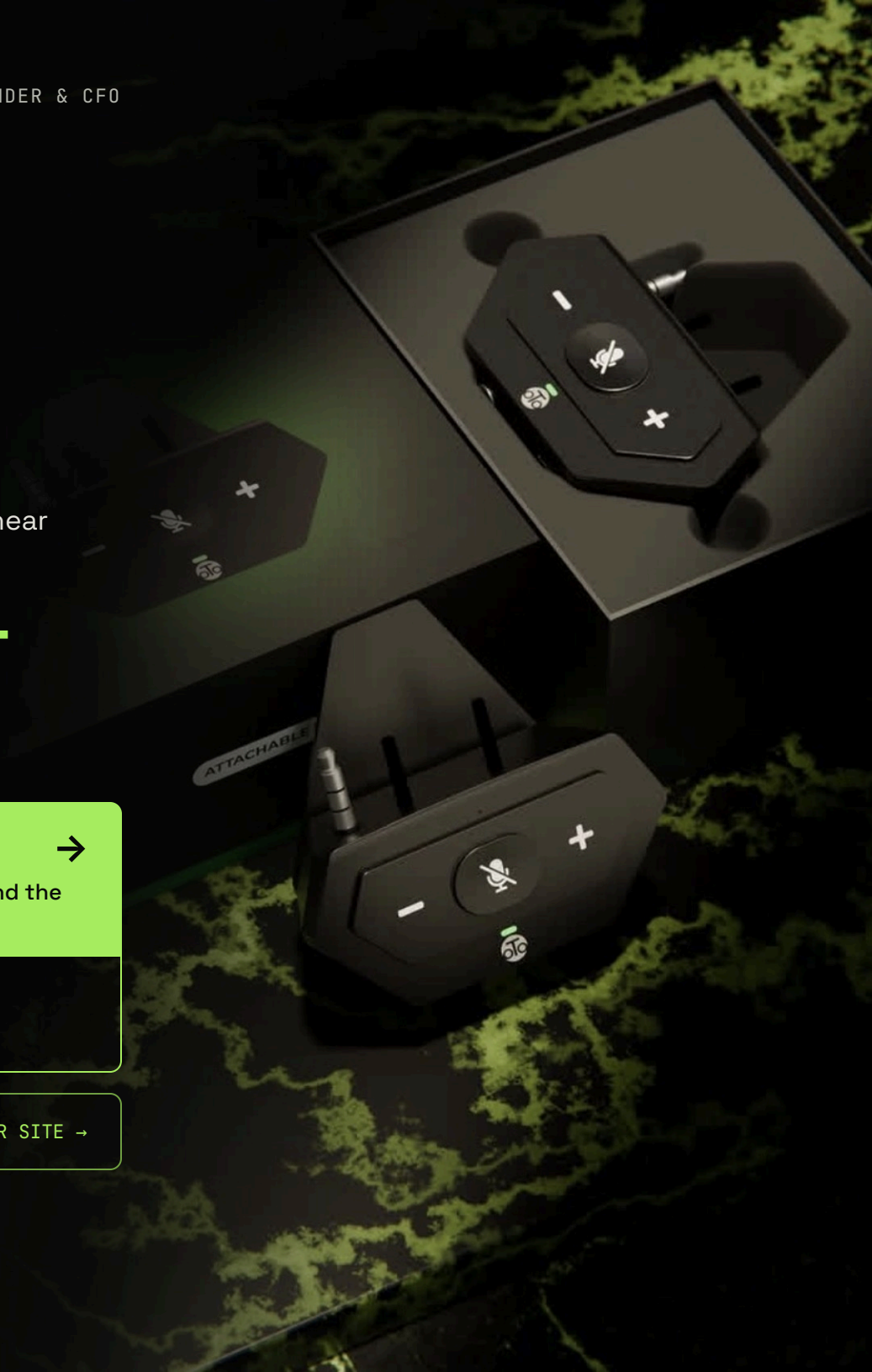
Our company Auditus makes OttO, an attachment that gives Xbox controllers a built-in speaker and mic, so players can hear the game and talk without a headset.

$450K
in pre-sales

2
design patents granted

1
utility patent pending

MSFT
licensing offer



Open the full folder

This PDF is only the preview. The rest of the photos, every schematic, and the full preliminary patent are in the folder. Copy the link below or click it.

drive.google.com/drive/folders/1nPjnJCHoBANrpoTE-MAMKhol53-zTua8

auditus.io OUR SITE →

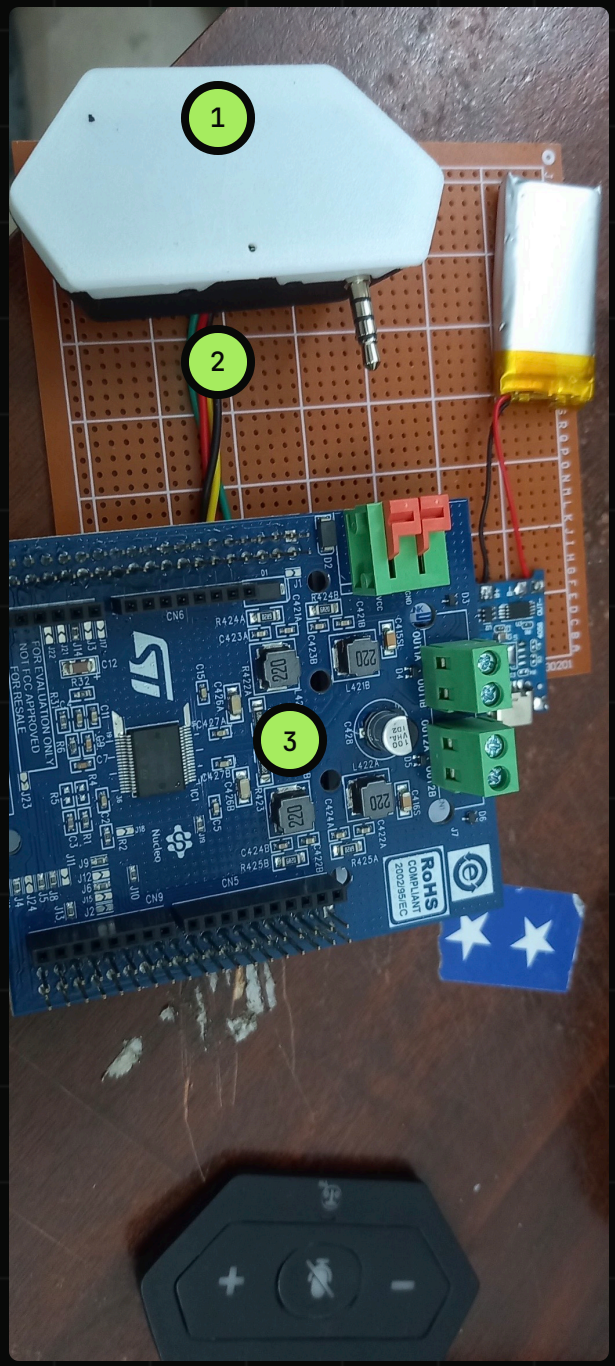
WHERE IT STARTED

OttO v1. I built it by myself, before we had a team.

It looked horrible and it barely worked. Everything on the next pages is what I had to learn to turn this into a real product.

1. Unfinished 3D-printed case
2. Wires everywhere
3. Dev board running the audio

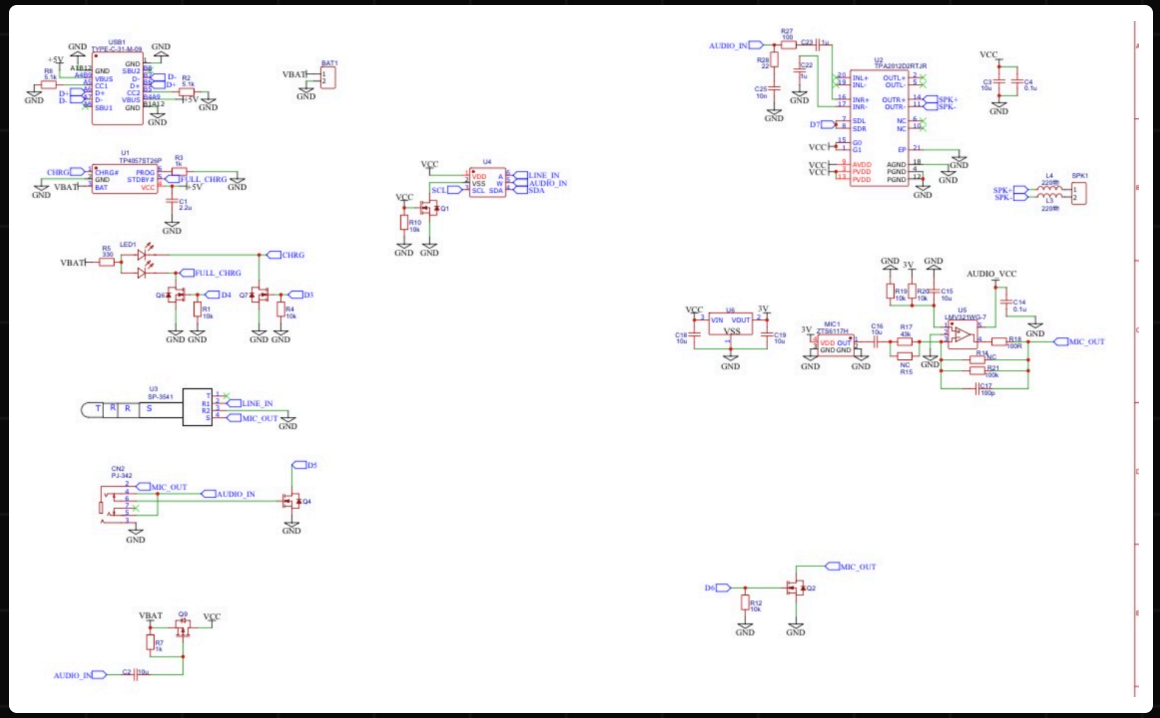
> The sound: so much static I couldn't make out a word.



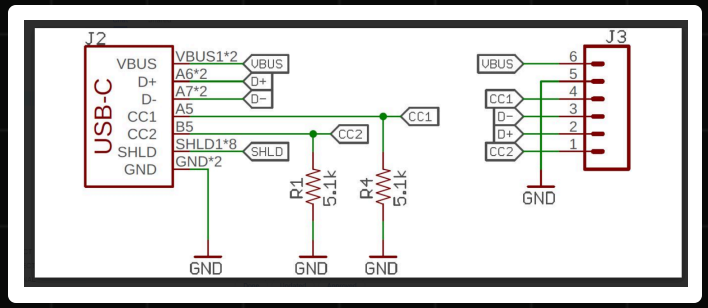
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THE SCHEMATICS

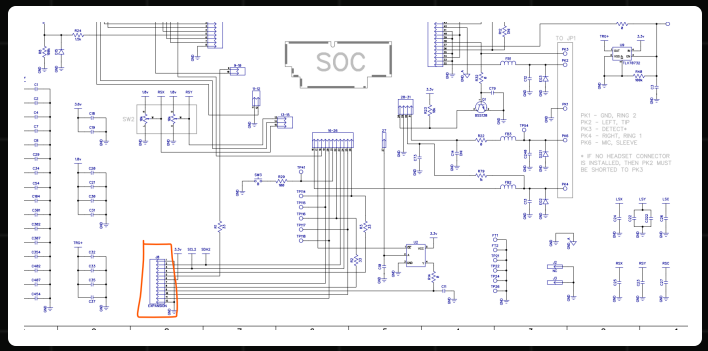
Once engineers joined, my rough build had to become drawings they could follow.



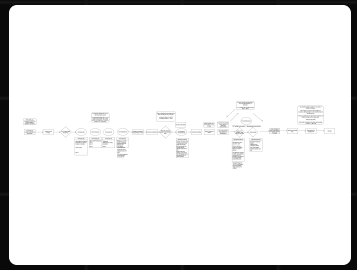
Full board power, charging, amp, speaker, mic



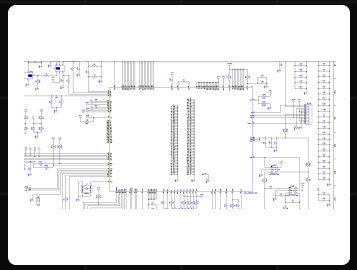
USB-C link to the controller



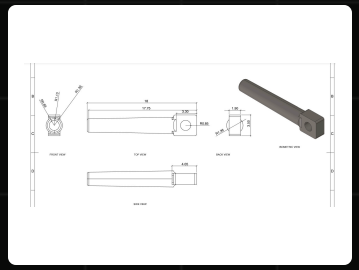
Audio loop routing to the jack and processor



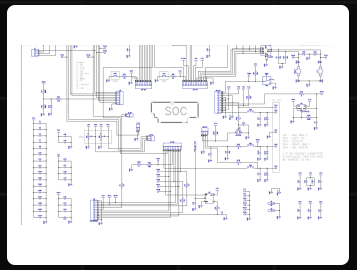
Assembly flow



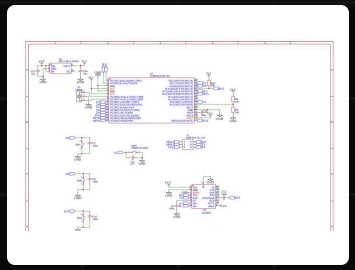
Electricals



Inputs



Backboard

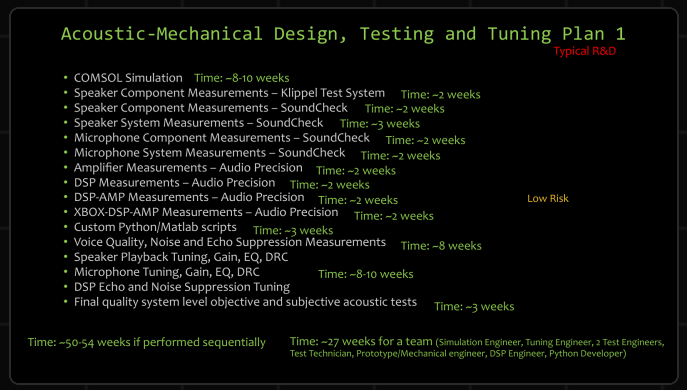


Terminal

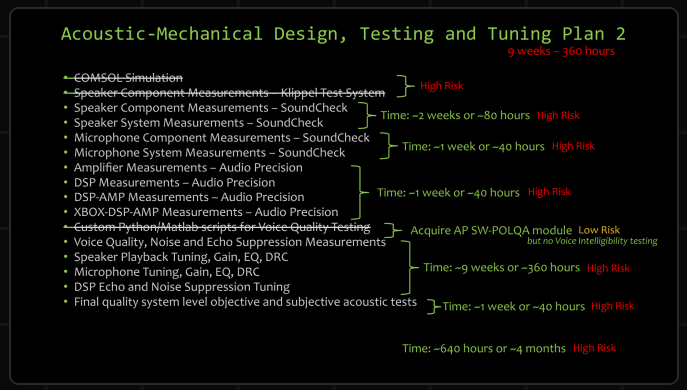
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TESTING & TUNING

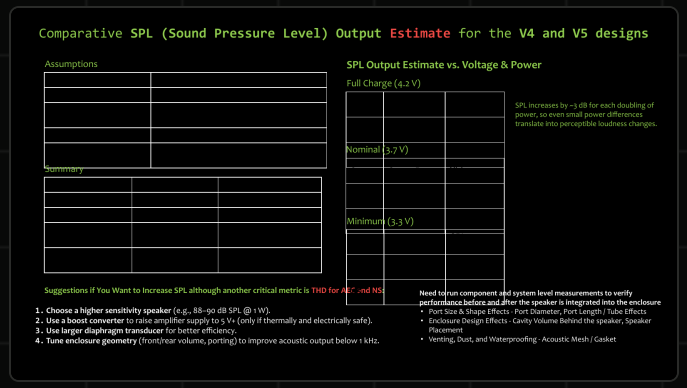
Getting rid of the static meant planning how every part of the sound got tested.



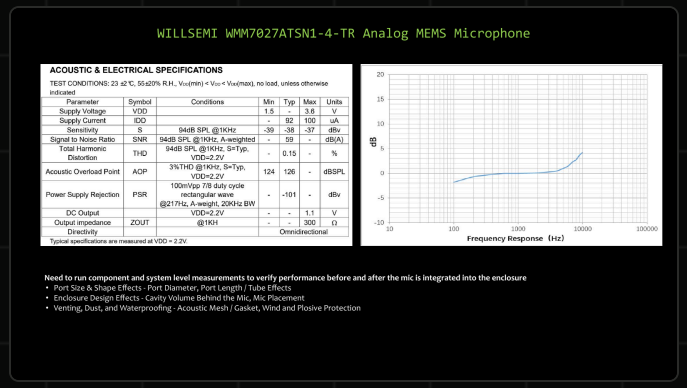
Plan 1 50 to 54 weeks if done in order



Plan 2 about 4 months, higher risk



Output comparing the V4 and V5 designs



Mic specs for the MEMS microphone



Push-to-talk hold the panel to use the mic

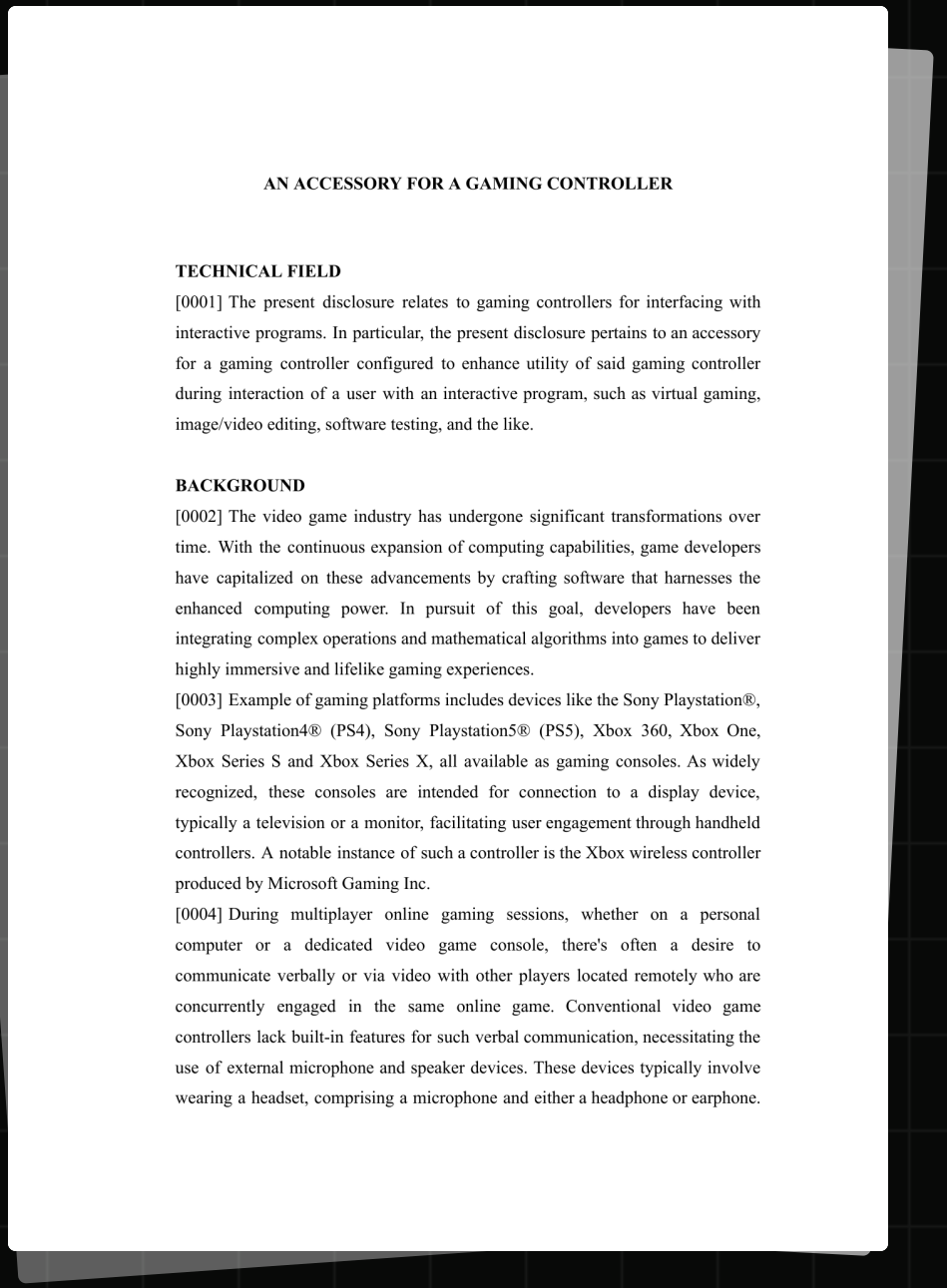
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PATENTS

2 design patents granted

1 utility patent pending

Page 1 of the preliminary draft. All 13 pages are in the folder.



AN ACCESSORY FOR A GAMING CONTROLLER

TECHNICAL FIELD

[0001] The present disclosure relates to gaming controllers for interfacing with interactive programs. In particular, the present disclosure pertains to an accessory for a gaming controller configured to enhance utility of said gaming controller during interaction of a user with an interactive program, such as virtual gaming, image/video editing, software testing, and the like.

BACKGROUND

[0002] The video game industry has undergone significant transformations over time. With the continuous expansion of computing capabilities, game developers have capitalized on these advancements by crafting software that harnesses the enhanced computing power. In pursuit of this goal, developers have been integrating complex operations and mathematical algorithms into games to deliver highly immersive and lifelike gaming experiences.

[0003] Example of gaming platforms includes devices like the Sony Playstation®, Sony Playstation4® (PS4), Sony Playstation5® (PS5), Xbox 360, Xbox One, Xbox Series S and Xbox Series X, all available as gaming consoles. As widely recognized, these consoles are intended for connection to a display device, typically a television or a monitor, facilitating user engagement through handheld controllers. A notable instance of such a controller is the Xbox wireless controller produced by Microsoft Gaming Inc.

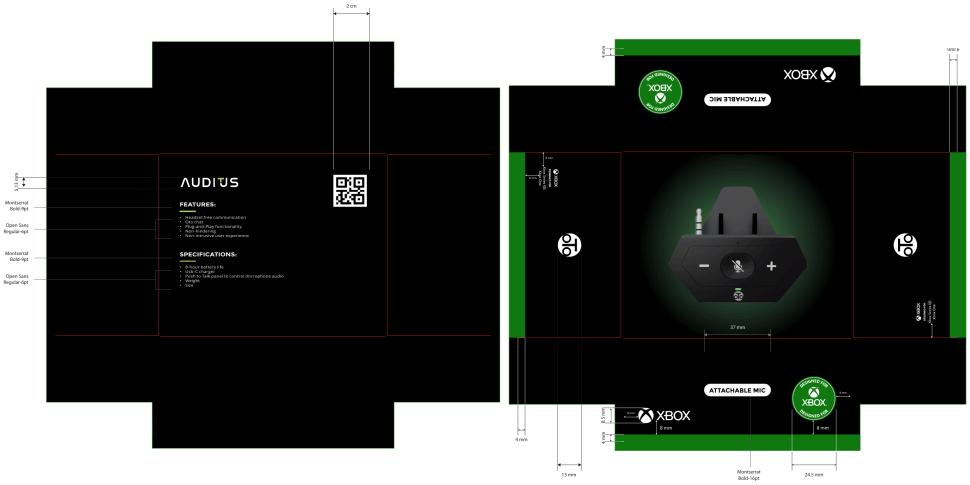
[0004] During multiplayer online gaming sessions, whether on a personal computer or a dedicated video game console, there's often a desire to communicate verbally or via video with other players located remotely who are concurrently engaged in the same online game. Conventional video game controllers lack built-in features for such verbal communication, necessitating the use of external microphone and speaker devices. These devices typically involve wearing a headset, comprising a microphone and either a headphone or earphone.

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PACKAGING

Then it needed a box.

Inside dimensions	4.9764(L)X3.937(W)X2.2382(H) in	BLEED	
Outside dimensions	5.0921(L)X4.0728(W)X2.2583(H) in	TRIM	
Manufacture dimensions	5(L)X4(W)X2.25(H) in	CREASE	
Material	White card board		
Thickness	0.0201in		



BOTTOM OF BOX

BOX COVER

Die line the flat print file for the box



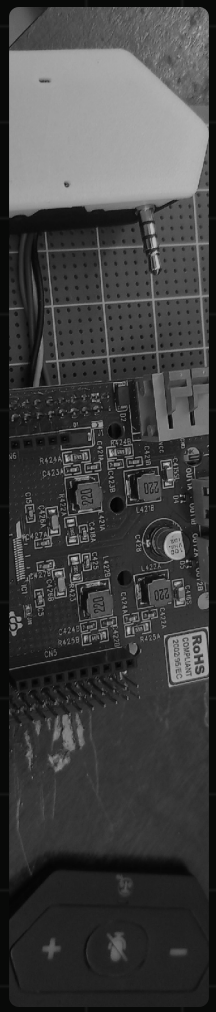


Box renders

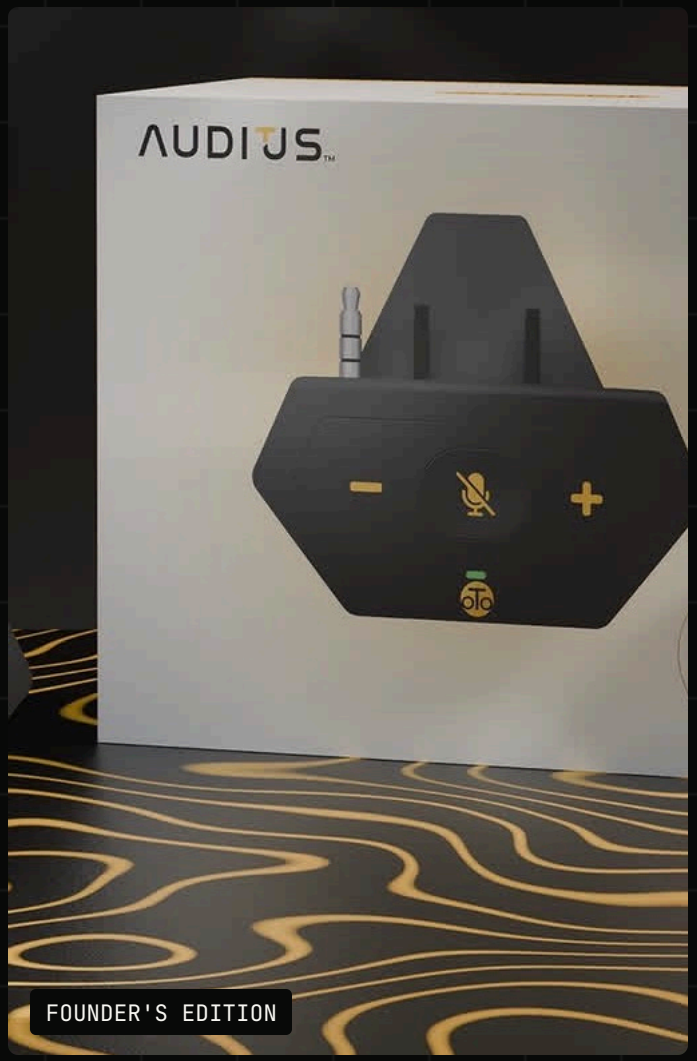
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TODAY

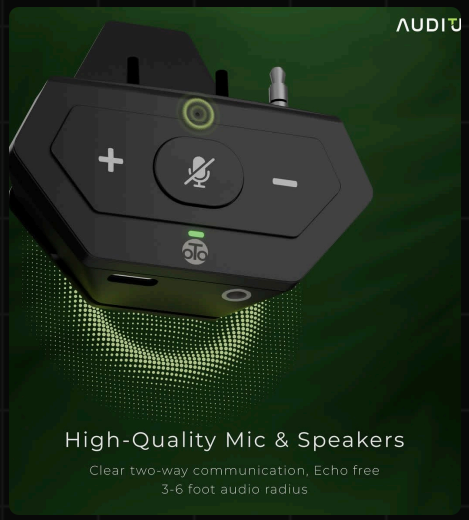
From static to the Founder's Edition.



v1









Full folder → drive.google.com/drive/folders/1nPjnJCHoBANrpoTE-MAMKhol53-zTua8

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