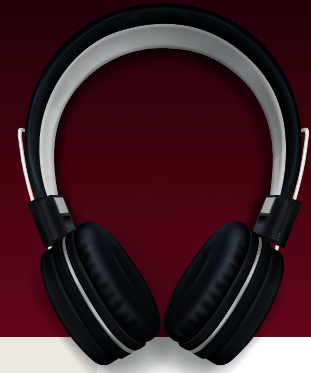


High Fidelity, Connectivity & Performance for Gamers



SEE OUR INNOVATION IN ACTION

THE COMPANY

Global Gaming Accessory Manufacturer is a US-based developer of a full ecosystem of high-performance hardware and technology for gamers spanning products from PC components & peripherals to streaming gear. Over 20 years as an industry leader with many products in the #1 market share position based on the brand's focus on authenticity and innovation.



THE CHALLENGE

The high demands placed on gaming headsets by their users means that any wireless connection must be impossibly low-latency, reliable, and low-power to ensure maximum battery life. The design challenge was adding Bluetooth connectivity needed to have maximum gain and range in a small form factor dongle design for a complex, lightweight headset.

THE SOLUTION

Ignion's DUO mXTEND™ was a perfect fit to achieve the high level of performance desired by the customer in a small footprint. A review in a prominent publication said: "Battery life sits at a claimed 24 hours, but if you forget to charge it using the included USB cable, the headphone features quick charging via its Type-C charging port, grabbing six hours battery life in just 15 minutes - range is excellent too - certainly good enough to wander around your house listening to music, with a maximum 50 ft. of range."

The design journey to reach these accomplishments was done using Ignion's Antenna Intelligence Cloud™ for the initial project launch and the ongoing commitment by Ignion's support team through Gerber reviews and final testing in the lab in Spain.

"Performance achieved from DUO mXTEND™ was 15% better than the competition in terms of range in real world testing all while keeping current consumption low. The competitor's solution included a chip antenna and a PCB trace antenna. Ignion solved it with just one component."

Product Manager

ACHIEVEMENTS

16 weeks testing/tuning
final product

Better range than
the competition

Small form factor
antenna solution