

Lightspeed Delta Zulu®

Built to Evolve



Lightspeed Delta Zulu® offers a revolutionary digital platform and ground-breaking technologies that could save the lives of pilots and their passengers.

Featuring Kanari® smart alert technology with built-in carbon monoxide detection, Lightspeed Delta Zulu can help sharpen your situational awareness and give you peak control of essential inflight safety. Plus, our new HearingEQity® technology adjusts your headset to your individual hearing profile for crystal clear flight communication.



Lightspeed Delta Zulu is built for your mission with safety, control, and comfort in mind.

With a built-in sensor and personalized alerts, Lightspeed Delta Zulu delivers what you need to greatly enhance your safety. This next generation is built on a new technology platform that will extend your limits into a whole new era of piloting safety.

Safety

- **Lightspeed's designers and engineers collaborated with a team of highly qualified flight and safety experts** to develop a revolutionary digital platform and groundbreaking new technologies to make flying safer.
- **Our CO sensor built right into the headset provides protection** by measuring cabin carbon monoxide levels, helping to keep you and your passengers alert and safe with audible warnings.
- **Our free Lightspeed app allows you** to check the CO sensor data visually during flight, and review your full history later.

Control

- **Lightspeed Delta Zulu introduces a built-in audio equalization system** called HearingEQity that ensures crystal clear flight communication. Through an automated 12-frequency hearing test that can be taken through the Lightspeed app, HearingEQity sets the hearing level in each ear of your headset to create your individual hearing profile and compensates for any hearing variations between ears.
- **The Lightspeed App allows you to** record radio conversations, playback transmissions, draw diagrams, and archive flight recordings for post-flight briefing and training.
- **The Rotax-specific audio and ANR profile** is tailored to the acoustic characteristics of select Rotax aircraft engine platforms. The result is a more integrated cockpit audio experience designed to support clearer communication and greater cockpit comfort.

Comfort

- **The legendary Zulu comfort and durability continues in the Lightspeed Delta Zulu.** Performance ear seals, optional taller head pads for a variable fit, sturdy cables built around a Kevlar® core, full Bluetooth® integration, and an industry-best 7-year warranty, are still standard in our newest model.

A Revolutionary New Digital Platform

Integrating a wide array of new and existing technologies into a new and entirely digital platform, Lightspeed Delta Zulu® is part of a new generation of ANR headset capabilities. These integrated technologies include:

Built-in carbon monoxide sensor —

Always on and always monitoring cabin carbon monoxide, the new CO sensor is optimally calibrated to provide audible and visual warnings at specific pre-defined CO levels.

HearingEQity® for custom sound — Based

on results from a custom 12-frequency hearing test in the new Lightspeed app, HearingEQity automatically adjusts Lightspeed Delta Zulu to optimize every ATC call and conversation specifically for your individual hearing profile. Individualized profiles can be saved, and different headset users can switch profiles.

Improvements Over Time — The digital platform enables over-the-air firmware updates, delivering new enhancements and functionality like the Rotax ANR profile, helping the headset stay current and improve long after purchase.

Changeable battery packs — Easy-to-replace battery packs give you the option of using rechargeable lithium-ion batteries or AA batteries.

The Lightspeed App — allows you to check sensor data visually during flight, supplying you with instantaneous readouts and historical data. Review safety metrics from prior flights, record conversations, playback transmissions, draw diagrams, and archive flight recordings onto your phone or mobile device for post-flight briefing and training.

Bluetooth® — Bluetooth wireless technology with A2DP technology enables cell phone communications and stereo music streaming.

Low-profile comfort — Weighing just 14.9 ounces (including ear seals, head pad and mic boom), Lightspeed Delta Zulu has a low-profile, stainless-steel headband that follows the curve of the head for more comfortable distribution of weight and side pressure.

High-performance fit — Lightspeed Delta Zulu's tapered performance ear seals are designed to hug the curve of the jaw for a natural fit, increasing comfort and clarity while also providing a better seal around eyeglass or sunglass frames. Cup cavities allow the entire ear to fit comfortably inside. We also offer taller head pads for a variable fit at no extra charge to ensure maximum comfort and performance.

UAC plug — Lightspeed Delta Zulu is the first headset to adopt the UAC plug, allowing you to connect to other devices directly from the headset for two way direction of charging, audio, and data transmissions. Lightspeed Delta Zulu has options for 4 cable configurations, from UAC to USB-A, USB-C, 3.5 mm and Lightning plugs.

Included accessories — Carrying case, single port wall charger, lithium-ion battery cartridge, AA battery cartridge, UAC to USB-A cable, a cord shirt clip, and a set of personalized icon chips to distinguish multiple Lightspeed Delta Zulu headsets.

Other Standard Features — As with all Lightspeed ANR headsets, our models come with a promise of durability and longevity, superior quiet, clear comms, 60-day money-back guarantee, ComPriority™ and Auto Shutoff™. The family of Zulu products also come with a 7-year limited warranty.



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Better hearing.
Smarter tech.
Safer Pilots.

Built for today.
Engineered
for what's next.



Technical Specifications

General

Weight: 14.9 oz (including ear seals and mic boom)
Battery power supply: two AA alkaline or rechargeable lithium ion batteries
Headset Plug Type: Dual GA, LEMO panel power, U-174
Panel aircraft 8-40 VDC

Headphone

Transducer: 40mm moving coil
Frequency response: 20 Hz-20 kHz
Nominal impedance @ 1 kHz:
OFF—Mono: 275 ohms, ON—Mono: 295 ohms
OFF—Stereo: 575 ohms, ON—Stereo: 590 ohms

Microphone

Transducer principle: Noise-canceling electret
Frequency response: 200 Hz-6000 Hz
Maximum SPL: 114 dB
Terminating impedance: 220–2200 ohms
Operating voltage: 8V-16V DC

Bluetooth Enabled Phone

Yes

Bluetooth Streaming Music

Yes

Learn more at [LightspeedAviation.com](https://www.LightspeedAviation.com)

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On a mission to save lives.

