

Lightspeed Delta Zulu – The Only Headset that Keeps Getting Better



The Unique Safety and Customizable Features of the Lightspeed Delta Zulu Headset

October 2026

Agenda

The following will showcase the safety wearable and customizable features that are ONLY AVAILABLE on the Lightspeed Delta Zulu platform which puts the headset in a category all its own, namely:

- Carbon Monoxide Monitoring
- HearingEQity®
- The Lightspeed App
- New Features via firmware updates

Other features will also be highlighted to demonstrate the overall value the headset offers to pilots.

Nothing Else Compares



Lightspeed Delta Zulu

\$1,299

- Active Noise Reduction
- Bluetooth® connectivity
- Comfortable fit
- Multiple plug configurations
- 7-year warranty
- Carbon Monoxide sensor
- Kanari Smart Alerts®
- HearingEQity®
- Rotax ANR profile
- Kevlar® cable
- Voice recording with App
- Flexible lithium-ion & AA battery power



DC-One X

\$995

- Active Noise Reduction
- Bluetooth® connectivity
- Comfortable fit
- Multiple plug configurations
- 5-year warranty



Bose A30

\$1,299

- Active Noise Reduction
- Dual Bluetooth® connectivity
- Comfortable fit
- Multiple plug configurations
- 5-year warranty

The Lightspeed Delta Zulu is a premium ANR headset **PLUS...**



Layered ON TOP of Lightspeed's industry leading active noise reduction (ANR) technology are safety and customization features unavailable on other premium ANR headsets.

Pilots flying with a Lightspeed Delta Zulu headset expect MORE from their headset.

While other premium ANR headsets offer desirable features like ANR quieting and clear communications, only the Lightspeed Delta Zulu platform offers...

- Software Updates That Deliver New Features
- Carbon Monoxide (CO) monitoring, providing pilots enhanced awareness of the aircraft they are flying.
- Audio customization for all incoming audio to the headset.
- The 1st ever engine-specific Audio Profile
- A free accompanying App that allows for alert customization, audio recording, firmware updates, and in-flight data tracking.

Carbon Monoxide Monitoring

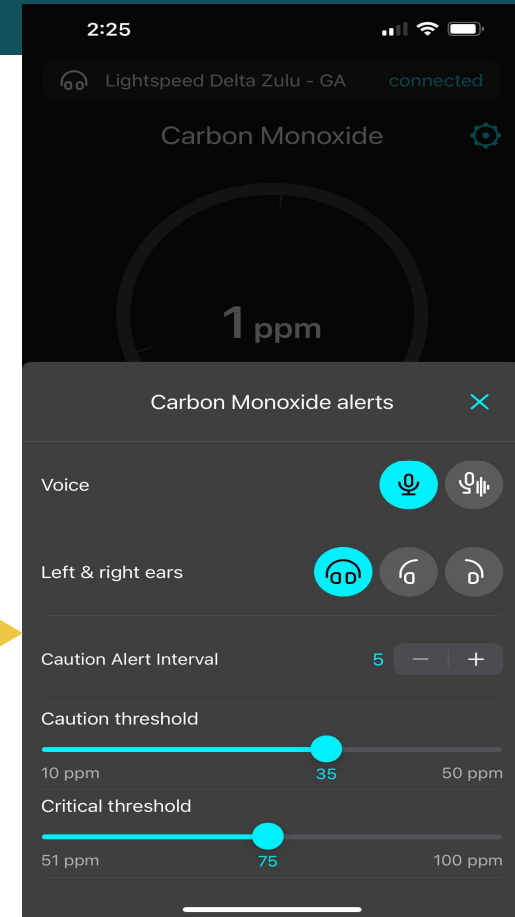
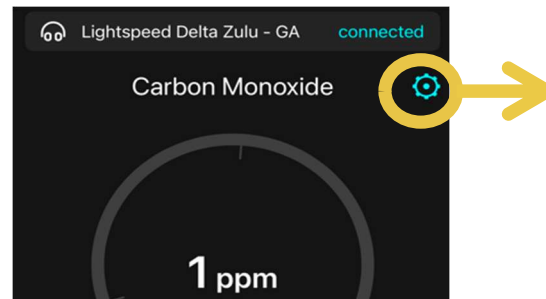
- Carbon Monoxide poses an invisible risk to pilots that can be deadly.
- Kanari® Smart Alert Technology gathers data via a sensor built into the headset and creates audible alerts if CO rises above customizable thresholds.

Carbon Monoxide Monitor (*on microphone side*)



Carbon Monoxide Monitoring

- You DO NOT need to run the Lightspeed App to power on the headset's CO monitor. The monitor powers on when you power on the headset.
- Using the Lightspeed App, pilot's can monitor live CO levels, customize when and how often they receive audible alerts, and record and download historic CO data.



Carbon Monoxide Monitoring

What are pilot's saying about the CO monitor?

"I was giving a flight review in a Robinson R-44 helicopter (factory installed CO detector). The review pilot had a new Lightspeed Delta Zulu. I had a Sentry Plus operating. During the flight, the DZ indicated CO. We checked the app for levels and returned to the airport. Neither the Sentry or the Factory CO detector alarmed. Notified maintenance, and they discovered a broken bolt on an exhaust clamp. Made me a believer."

-Allen R.

"..[E]nroute home I started feeling pretty crappy. I developed a severe headache as well as nausea, lethargy and sleepiness. Then the headset started squawking at me about carbon monoxide levels are high and then critical. The App showed readings of 120 PPM. Until the headset alerted me I did not put all the symptoms I had together. I do not know how many red flags I would have needed to realize I was suffering from carbon monoxide poisoning. Interestingly neither I or my fellow pilot realized it. He had no notable effects but mine were fairly severe. I smoke and he does not. Had I been flying alone this headset could have made the difference between life and death. I would suggest your marketing strategy needs to really play up these two features for us older pilots who may have some hearing damage and the safety aspect of the carbon monoxide warnings. You have made a convert out of me."

-Randy P.

Source: [Lightspeed Delta Zulu® Saves Lives - Lightspeed Aviation](#)

Carbon Monoxide Monitoring

What are pilot's saying about the CO monitor?

First Name: Karl

Last Name: [REDACTED]

Phone: [REDACTED]

Email: [REDACTED]

Reason: General

Serial Number:

Not a Robot: [acceptance-551]

Questions: Your Delta Zulu headset saved my life. I have been flying for 40 years and instructing the past 15 years. As a CFI I move between a variety of aircraft on a daily basis. Recently a student's C-172 set off the CO detector. Luckily this occurred on take off and we returned for landing. The mechanics later found a CO leak that was only going to get bigger. The interesting part is I had left my own headset at home so borrowed the Delta Zulu for that flight.

I will recommend your Delta Zulu headset to all of my students and anyone who will listen. I would be happy to do an advertising testimonial. Very important feature on a great product. Keep up the good work. Karl

Source: Contact Form submitted over Lightspeed website to csupport@lightspeedaviation.com

Carbon Monoxide Monitoring

What are pilot's saying about the CO monitor?

Contact Form Submission Information

First Name: Frode

Last Name: [REDACTED]

Phone: [REDACTED]

Email: [REDACTED]

Reason: General

Serial Number:

Not a Robot: [acceptance-551]

Questions: Hi

Yorheadset saved my life the 10 of July last year, with a peak co on 240, I returned on time back to the airport and got a broken pipe fixed.

Shipping Address:

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This e-mail was sent from the main contact form on [LightspeedAviation.com](https://www.lightspeedaviation.com)

Source: Contact Form submitted over Lightspeed website to csupport@lightspeedaviation.com

HearingEQity®

Hearing loss is a normal part of aging, but more common among pilots who operate in planes with loud engines.

Built into the headset is an audio equalization technology called HearingEQity.

Using the Lightspeed App, pilots can take an automated 12-frequency hearing test to customize audio levels for each ear and create an individualized hearing profile.

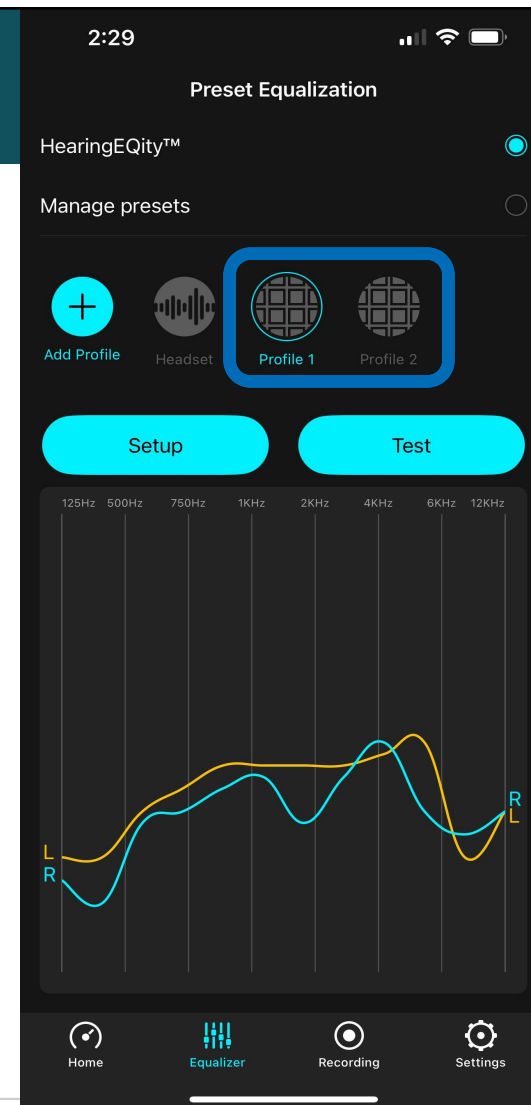
The custom hearing profile is designed to compensate for individual hearing loss.



HearingEQity®

- After finishing the automated hearing test, **the results** are stored in the headset, so the pilot only need take the test once.
- Pilots can take the test multiple times, as well as create multiple **individualized profiles**.

Results



HearingEQity®

What are pilots saying about HearingEQity?

- "Being a senior (82) pilot, hearing loss at high tones is an issue. You solved it for me. The plus is all of the other features are right at the top. I own several Bose headsets but the Delta is the only one I wear now."
- "The selling point for me was that I can take out my hearing aids, which means that everything is quieter, and still hear the tower easily."
- "The Delta Zulu is my third Lightspeed headset. I started with the QFR, bought the Sierra in 2015, and just bought the Delta Zulu last month. I wear hearing aid due to moderate to severe hearing loss. I cannot wear hearing aids while wearing a headset (they whistle). It had gotten to the point that I could not hear ATC clearly, and was considering the end of my flying days. With the HearingEQity and the superb ANR, I can hear ATC clearly, and can still fly safely."

Source: Survey Monkey Product Surveys

The Lightspeed App

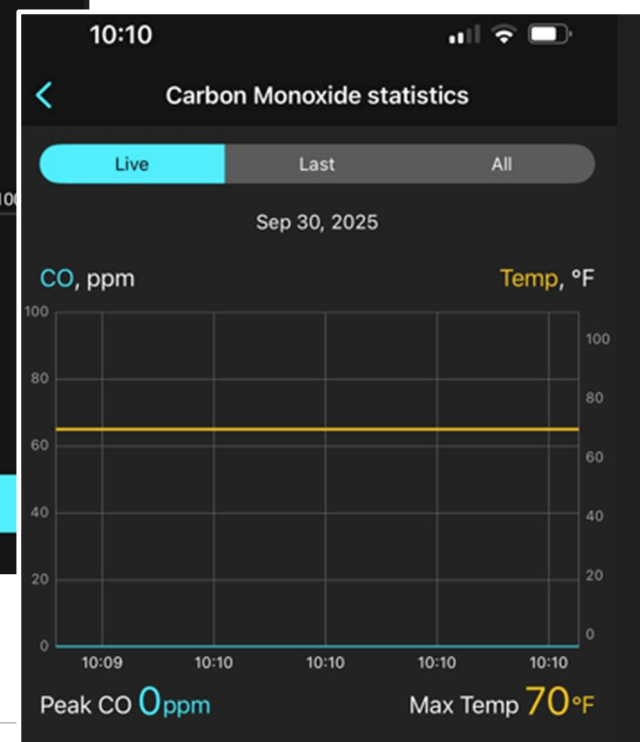
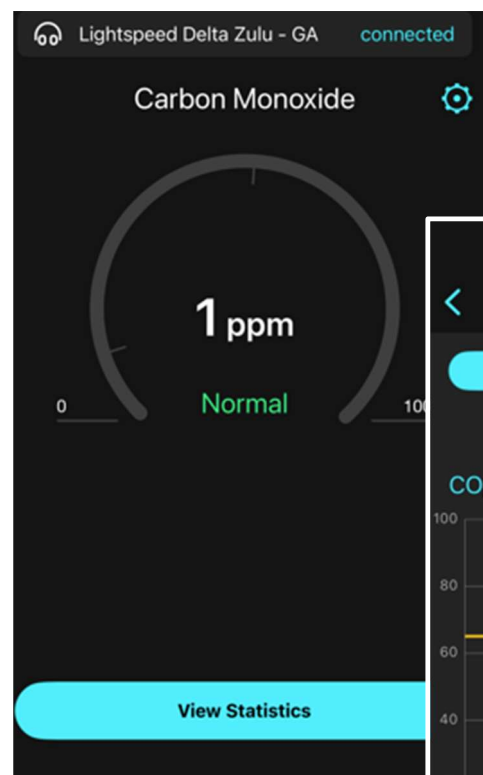
Integrated safety, recording, and data tracking features enhancing pilots' situational awareness in the air.



- The Lightspeed App integrates the headset's safety features in one convenient platform.
- Live CO monitoring and audio recording enhances a pilot's situational awareness up in the air.
- Adjustments to the settings give pilots flexibility with when and how they receive audible alerts and how their controller operates.
- Periodic firmware updates allow customer feedback to guide improvements to the headset's operation out in the field.

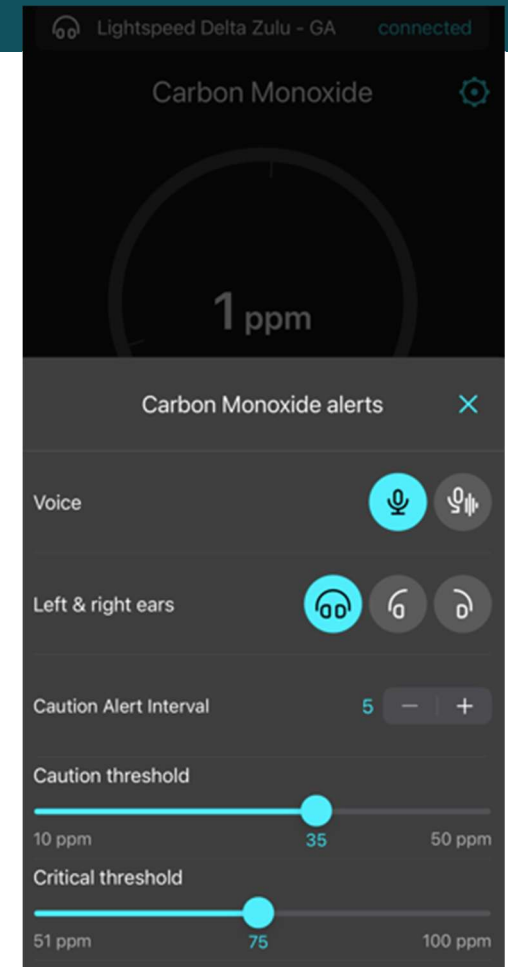
The Lightspeed App – *Live CO Monitoring*

- When the headset is connected to the Lightspeed App via Bluetooth[®], pilots can monitor the current CO levels and temperature in their cockpit.
- The CO and temperature data will be recorded when they are connected to the app that can later be downloaded from the app.



The Lightspeed App – Customizing CO Alerts

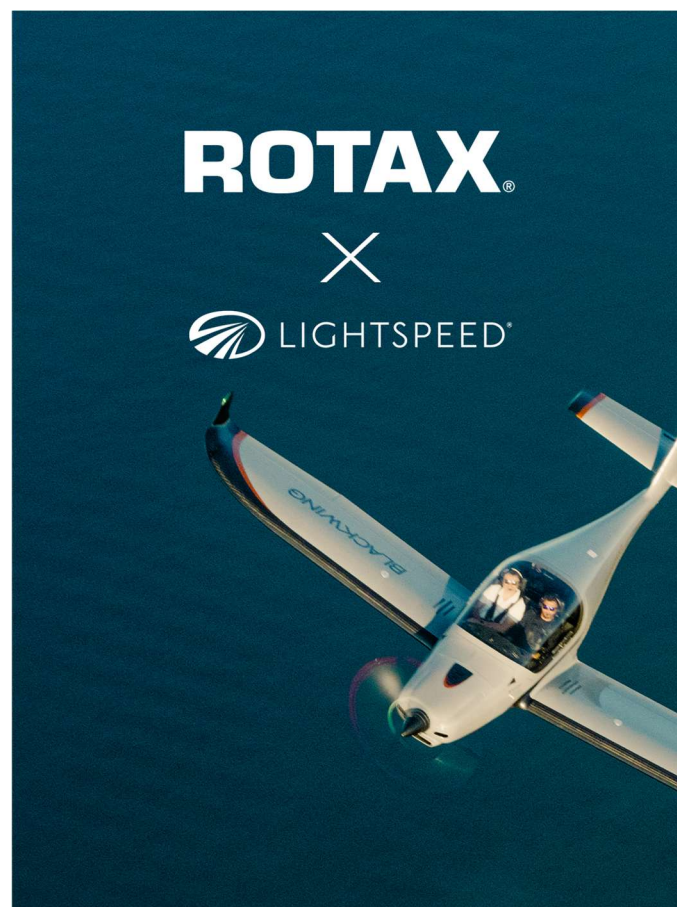
- Customizable alert settings are available on the CO page of the Lightspeed App.
- Pilots can select the **CO threshold** when they receive alerts, the **interval** for how often alerts are repeated, as well as which **ear cup** the alerts are sent and the **volume** of the alerts.



Lightspeed Delta Zulu + Rotax

Setting the Stage

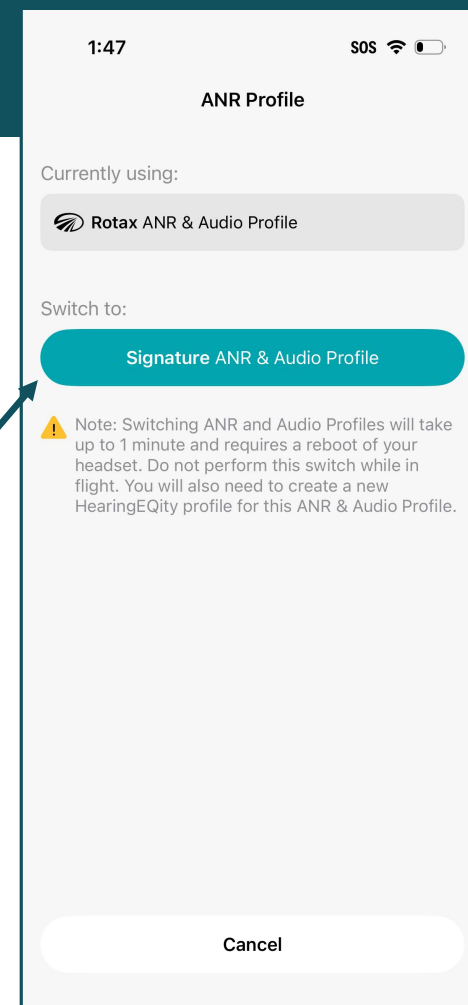
- The **FAA's MOSAIC rule** expanded flexibility for light-sport aircraft (LSA) and pilots, October 22, 2025, and new LSA certification rules starting July 24, 2026.
- Rotax powers over **75% of the light-sport aircraft (LSA)**, ultralight, and light aircraft market segments, serving over 250 different original equipment manufacturers (OEMs) globally.
- This is the **only ANR technology** ever to counter an engine's unique sound frequencies and cockpit acoustics to create a quieter environment.
- The **Lightspeed Delta Zulu's digital platform** allows for easy access to its innovative Rotax ANR profile via free firmware update.



Rotax ANR + Audio Profile

How It Works

- All Lightspeed Delta Zulus have access to the Rotax profile in the Lightspeed App.
- Lightspeed Delta Zulus purchased prior to the Fall of 2026 can access the Rotax profile via a firmware update.
- Like most firmware installations, it can take up to 15 minutes to install.
- Users can access the profiles through the Lightspeed App under the Equalizer menu of the app.
- The user can toggle between the **Signature Lightspeed ANR and Audio Profile** and the **Rotax ANR and Audio Profile** easily by tapping a button – this will take about a minute to refresh.
- It is recommended that the pilot set the desired profile outside of the aircraft, prior to flying as the headset resets, and comms will be unavailable.

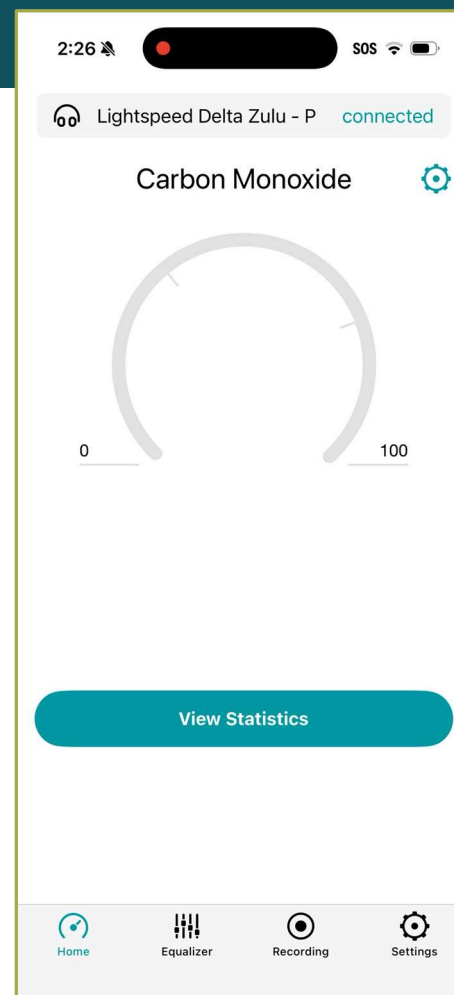


Rotax ANR + Audio Profile

Let's See What it Will Look Like

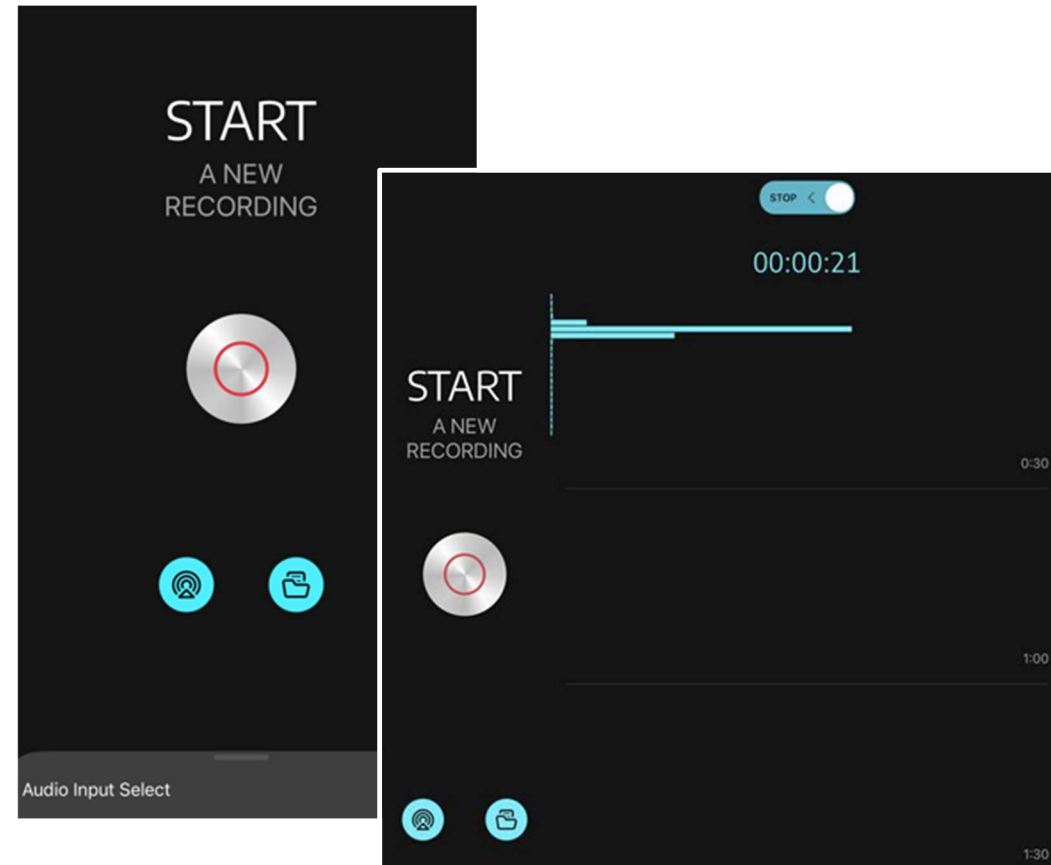
Using The Lightspeed App – Toggling Between the Profiles

- Profiles are located under the Equalizer menu
- Tapping the **ANR and Audio Profiles button** initiates the toggle between the Signature Lightspeed and the Rotax profiles
- Select your desired profile prior to starting your flight
- The headset's Power LED light will flash green to begin
- There's a 1–2-minute wait for reboot
- You can set new **HearingEQity profiles** for either ANR and Audio Profile (Signature Lightspeed or Rotax)



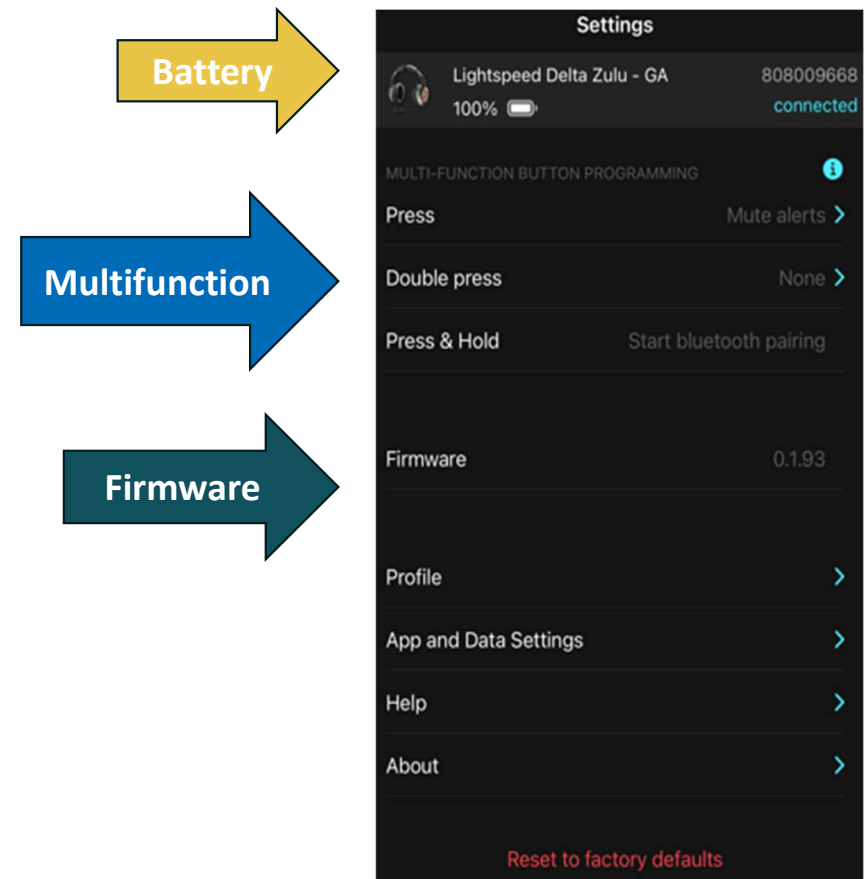
The Lightspeed App – *Live Recording*

- Connected to the Lightspeed App over a Bluetooth connection, pilots can record audio over the radio, intercom, and their own microphones during a flight.
- Live playback of incoming transmissions is available while recording audio during a flight.
- Recordings are stored on the Lightspeed App and available for upload on the pilot's iOS device.



The Lightspeed App – *Headset Customization*

- The Settings page on the Lightspeed App can be utilized by pilots to customize the functionality of the headset's **multifunction button**, check the **battery percentage** of the rechargeable lithium-ion battery, and check the current version of **firmware** uploaded to the headset.
- Periodic firmware updates have made improvements to the headset's battery life, as well as adjusted the number and language of audible alerts based on customer feedback.



Flexible Power Options – Lithium-ion or AA Battery Packs

- In addition to the CO Monitor, HearingEQity, and Lightspeed App which are only available on the Lightspeed Delta Zulu headset, every plug configuration comes with two power options:
 - A lithium-ion rechargeable battery that can get 30 hours of flight time. The battery is recharged on the headset itself, and all the charging accessories are provided.
 - An AA battery backup cartridge which can power the headset for 10-12 hours of flight time.



Lithium-ion Battery Pack



AA Battery Back-up Pack

Flexible Power Options – Charging the Lithium-ion Battery

- Pilots can charge the lithium-ion battery when it is attached to the controller using provided charging cable and wall block.
- An indication of the power level in the battery can be seen by pressing the power button on the controller while the headset is plugged in to charge.
- The LED power light will flash one of three colors – RED for empty, AMBER/ORANGE for partial charge, and GREEN for a full charge.



Flexible Power Options – Battery Charger

- We've also provided options for charging the lithium-ion battery outside of the controller on the headset.
- The Lightspeed Battery Charger can accommodate for fast or slow charging blocks, fully charging the lithium-ion battery within 4-6 hours.
- Four green LED lights on the charger let the pilot know the approximate level of charge that their battery holds.

