



tbone aviation™ headset
For Your Ears Only


tbone aviation™



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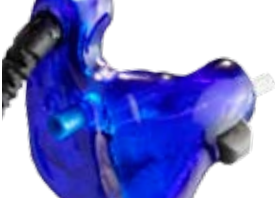
**With Bone-Conducting
Technology**

A Brand New Approach To Pilot Communication

Imagine an aviation headset offering you perfect comfort, effective reduction of ambient noise, and allowing clear communication with crew members – yet never compromising your situational awareness!

Imagine an aviation headset with no microphone boom, ear cups or headband, more compact than any headset you have ever seen before – and weighing just 10 grams!

That is what the new tbone aviation™ headset is all about



A Truly Built-in Microphone

The patented microphone in the tbone aviation™ headset does not register sound waves traveling through the air. Instead, it picks up vibrations from your head as you speak – we call it tbone-conduction Technology. This concept eliminates the microphone boom completely, providing extremely compact design with focus on comfort and safety.



For Your Ears Only

Each and every tbone aviation™ headset earpiece is individually “sculptured” and molded to fit the user’s ear, ensuring optimum comfort and a perfect hold. When you purchase a tbone aviation™ headset, it is yours and yours alone. Moreover, the perfect fit of the earpiece also ensures excellent protection from the ambient noise in the cockpit.



Extreme Comfort

Fitted directly into the user’s ears and weighing only 10 grams, the tbone aviation™ headset is so comfortable that you will barely notice it is there, even during lengthy flights.

With no microphone boom, no earcups, and no headband, the user can eat and drink while still communicating effortlessly.



Listen to Your Fellow Pilot

Even cockpit communication is enhanced. The acoustic filters in the tbone aviation™ headset allow human voices to bypass the noise protection and you will clearly hear every word spoken by people around you.

The volume in the ear facing your fellow pilot can furthermore be reduced – or even turned off.



Safety and Convenience

The tbone aviation™ headset provides effective noise reduction. Keep the plugs in your ears while performing a walk-around inspection and enjoy considerable noise protection while still being able to have a normal conversation



The use of an oxygen mask also becomes much easier with the tbone aviation™ headset. Just slip on the mask without removing and putting back on your headset. As the microphone picks up speech sounds from the user’s head only, the usual breathing noises from within the mask are eliminated.

Your tbone aviation™ headset comes in a compact carrying case that slips conveniently into your pilot bag, making it easy to bring with you at all times.



Technical Information

Earphones

Principle:	Electro dynamic
Frequency response:	350-3000 Hz
Impedance:	600 Ohm
Sensitivity (1kHz, 1mW):	90dB SPL

Microphone and amplifier

Principle:	Electric condensor microphone, bone-conductive
Frequency response:	400-4000 Hz
Output voltage:	50mV at 94dB SPL
Supply voltage:	8-16 V, max 25mA

Other

Weight	10 grams (Earpieces) 145 grams (Total)
Cord length	105 cm (Earpiece to amplifier) 150 cm (Amplifier to panel)
Panel Connections	Pj-055 & Pj-068

Certifications

TSO	ETSO-C57a and ETSO-C58a
Intelligibility	ISO/DIS 9921 and ANSI S3.2/1989

Patentno: 5.659.620 (US), 0673587 (EUR)

Technical data subject to change without notice

How to Order

Please order on our website: www.tboneaviation.com
Further information about individual customizing of the earpieces, delivery, and pricing can also be found here.

Testimonials

Great invention

"This has been the greatest improvement to the Boeing 737 cockpit since the PFD/ND display and the Head-up Guidance System"

*Capt. Carter Chapman,
Boeing 737-800 Line Check Pilot*

Made for pilots

"This headset is really made for pilots. It has targeted most of the communication aspects and at the same time eliminated many of the disadvantages by traditional headsets.

It's very comfortable to wear and easy to use. It does take a few minutes to get use to though, as it makes your voice sound a bit different.

I especially like the idea that the headset protects my hearing on both ears and at the same time allows me to hear what is going on in and around the cockpit.

I even use it on my walk-around inspections where I previously often forgot to protect my ears."

*Capt. Lars Möller,
Maersk Air*

Coffee tastes much better

"The tbone aviation™ headset is a great invention. I find it much easier to use with the full-face oxygen mask than traditional headsets.

Oh, and the coffee tastes much better without the microphone!"

*Capt. Len Goreham,
Delta Air Lines*

I can wear it all day

"This is a great headset! – light and comfortable. I can wear it all day with no problems. It is quiet, and I can still hear my co-pilots. Plus – it looks great!"

Capt. Michael Hayes



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Walk-around inspection: The tbone aviation™ headset also provides some noise protection outside the plane while allowing you to hear people around you.

Cockpit communication: The tbone aviation™ headset lets you hear human speech clearly while at the same time reducing ambient cockpit noise effectively.

Eat and drink: No microphone boom ever gets in the way – and you remain in communication at all times.

Side selector switch: Reduces radio volume in the ear facing your fellow pilot to secure effortless communication.

Oxygen mask: Just slip on the mask – and remain in communication.

Compact design: The tbone aviation™ headset comes in a compact carrying case that slips conveniently into your flight case.

For Your Ears Only

tbone aviation a/s develops and markets innovative, high-tech and consumer oriented communication products and applications for the global aviation industry. In dialog with our customers we constantly strive to enhance and develop solutions with the aim to improve situational awareness, safety and working conditions for the users.



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