

command
& control

Intradex



AirTalk® FAMILY

Demanding product portfolio for ATM applications



A QUIET ENVIRONMENT

A calm and quiet environment is a key factor for the ATCO, so is the right tool for the daily work - the headset.



We are, with the CNL technology, introducing the next step to the calmness at the daily routines for the ATCO.

The **technology (CNL)** is clearing and depressing unwanted and unintended noise from the structure of the lightweight headset, especially on the cable.

Due to the design of extreme lightweight headsets, it usually does not allow for a complete acoustical separation of the cable, the cable inlet and the housing.

We are sure, that the introduction of the **CNL technology** is a key factor for increase concentration in the daily work.

PRODUCTS FOR AIR TRAFFIC MANAGEMENT

command&control for Air Traffic Management applications

The area of Air Traffic Management is predicted to grow at a minimum of the next decade at a very good rate. Therefore, modern and reliable equipment in all areas needs to be implemented into daily operations. Over 20 years now our headsets are used in the Air Traffic Management to command and control flights all over the world – every hour, on every day. We are proud to have build such a solid customer base to be supported with the best possible products for everyone.

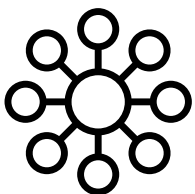
Communication is a crucial part for every airport or air traffic centre. A lack of communication or misunderstandings can have serious consequences, especially looking for the growing figures of flights all around the globe.

Our products, especially our **AirTalk® FAMILY**, are very well known all around the globe for reliability and comfort and already won prices. The Push-To-Talk (PTT) buttons have a high ergonomic and stability to endure daily operations.

We already have connected to nearly every voice communication system manufacturer and can easily do the correct adjustment for your VCS as well.

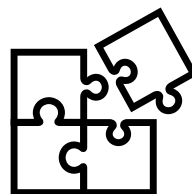
The product portfolio is rounded by a variety of supporting products such as accessories like different ear cushions, spacer for a better fitting or USB options for supporting training and simulation scenarios.

OUR ADVANTAGE – STRONG AND UNIQUE



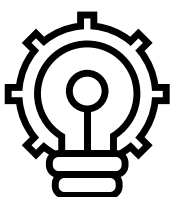
Variety

600+ variants of our products support our customer



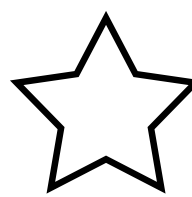
Customizing

Individual opportunities for customer requests, such as cable lengths



Technology

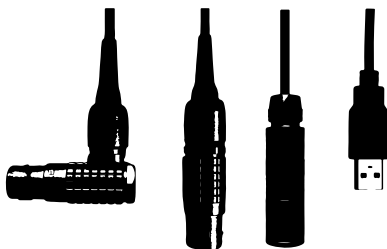
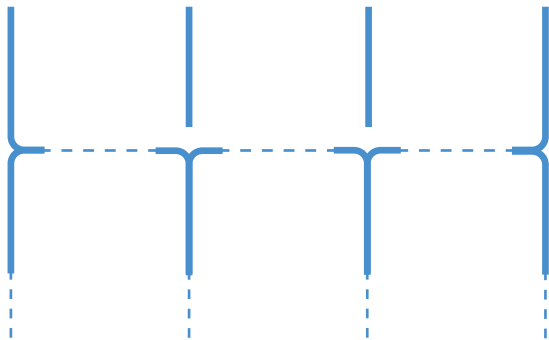
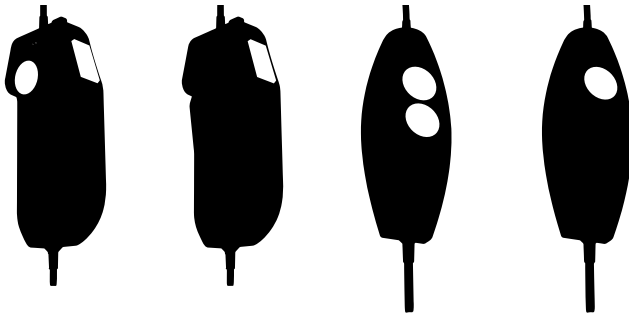
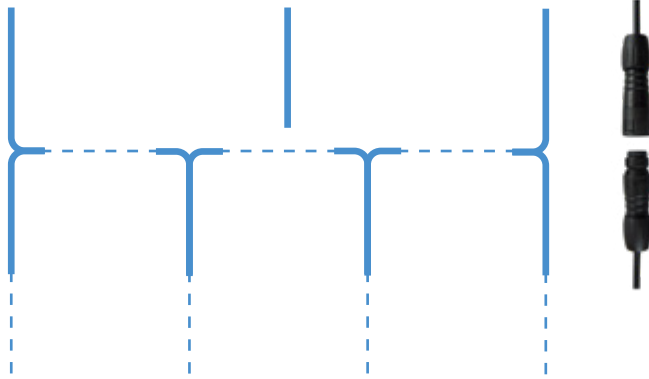
Best technology implemented to support reliable communication



Comfort

Highest comfort with CoolMax and different accessories, such as spacer

OUR SYSTEM OVERVIEW



Headset Options

- Robust steel wiring for long and reliable connectivity

Quick Disconnect

- Different connectors for easy exchange of the headset

PTT's

- Ergonomic shaped PTT buttons
- In use at locations around the globe
- Incl. volume control option

Cables

- Big variety of cabling
- Different length for best choice of each application
- Coiled, straight or anything else

Connectors

- LEMO, ODU, RJ, FISCHER, USB and customer choice
- Connectors of your personal VCS system



IV 5960

LV 1256

CHT

TH 2066





AirTalk® ZETA

Versatile on-ear headset with maximum comfort and performance

Newly designed,
flexible headband with
best fit for every size.

.....

Sleek and Stylish
Design with
**lightweight
construction.**

.....

Adjustments
and connectivity
to **any VCS
system** and fully
adaptable to
the AirTalk® PTT
units.



**Calm Noise Line
technology** (CNL)
clearing and depressing
unwanted and
unintended noise,
especially on the cable.

.....

Introducing the **AirTalk® ZETA**, a versatile
On-The-Ear headset solution designed for maxi-
mum comfort and performance. Engineered with a
sleek and stylish design, the ZETA boasts advanced
audio quality, incorporating acoustic components
from the renowned **AirTalk® 5000** series.

Featuring a flexible gooseneck microphone, the
ZETA ensures optimal transmission for clear
communication in any environment. Users can
choose between a splitting (stereo) or mono
version, catering to diverse user scenarios.

**Advanced
Audio Quality**
with acoustic
components from
the **AirTalk® 5000**

Safe the hearing of the
user with **Acoustic-
Shock-Protection.**

.....

Flexible gooseneck microphone
for best transmission.

⋮

Moreover, the headset is fully adaptable to
AirTalk® PTT units, offering seamless integration
and enhanced functionality.

The ZETA's lightweight construction and broad
headband provide a comfortable fit for extended
wear, while the rotatable suspension of the ear
cups ensures a personalized fit to the user's ears.
With Acoustic Shock Protection (ASP) technology,
sudden high noise levels are mitigated to ensure
a safer communication experience for air traffic
controllers (ATCOs).



OUR AirTalk® FAMILY



AirTalk® 5000 XD

- Binaural headset for the ATC sector with high wearing comfort thanks to optional spacer distance clip
- New designed, flexible headband with best fit for every head size
- High safety for your hearing with Acoustic-Shock-Protection
- Flexible and adjustable microphone with high noise-cancelling
- **CoolMax** technology for high class comfort



AirTalk® 5000 XS

- Monaural headset for the ATC sector with high wearing comfort thanks to optional spacer distance clip
- New designed, flexible headband with best fit for every head size
- High safety for your hearing with Acoustic-Shock-Protection
- Flexible and adjustable microphone with high noise-cancelling
- **CoolMax** technology for high class comfort



AirTalk® XSN

- Neckband headsets monaural
- Acoustic Shock Protection for the safety of the hearings
- High wearing comfort
- Noise-cancelling microphone for best transmission



AirTalk® NBS / NBD

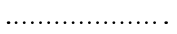
- Neckband headsets monaural or binaural
- Acoustic Shock Protection for the safety of the hearings
- High wearing comfort
- Noise-cancelling microphone for best transmission



AirTalk® 5000

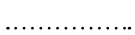
Design for the need of ATCO's around the world

Flexible headband
with best fit for every size.



Monaural or binaural
headset for use in the ATM environment.

CoolMax technology for the ear cushions with highest comfort.

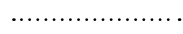


Adjustments and connectivity to **any VCS system.**

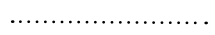
Safe the hearing of the user with **Acoustic-Shock-Protection.**



The **rotating suspension** allows a perfect fit, while moving the head.



Calm Noise Line technology (CNL) clearing and depressing unwanted and unintended noise, especially on the cable.



Flexible and adjustable microphone with **noise-cancelling** as electret or dynamic types.



The AirTalk® 5000 is designed to meet the daily work routine of ATCO's all over the globe. The headset is characterized by its very low weight and the high stability.

The rotating suspension ensures a perfect fit even while strong and abrupt head movements.

The very robust steel wires of the headset connection cable ensure reliable communication and a long lifetime.

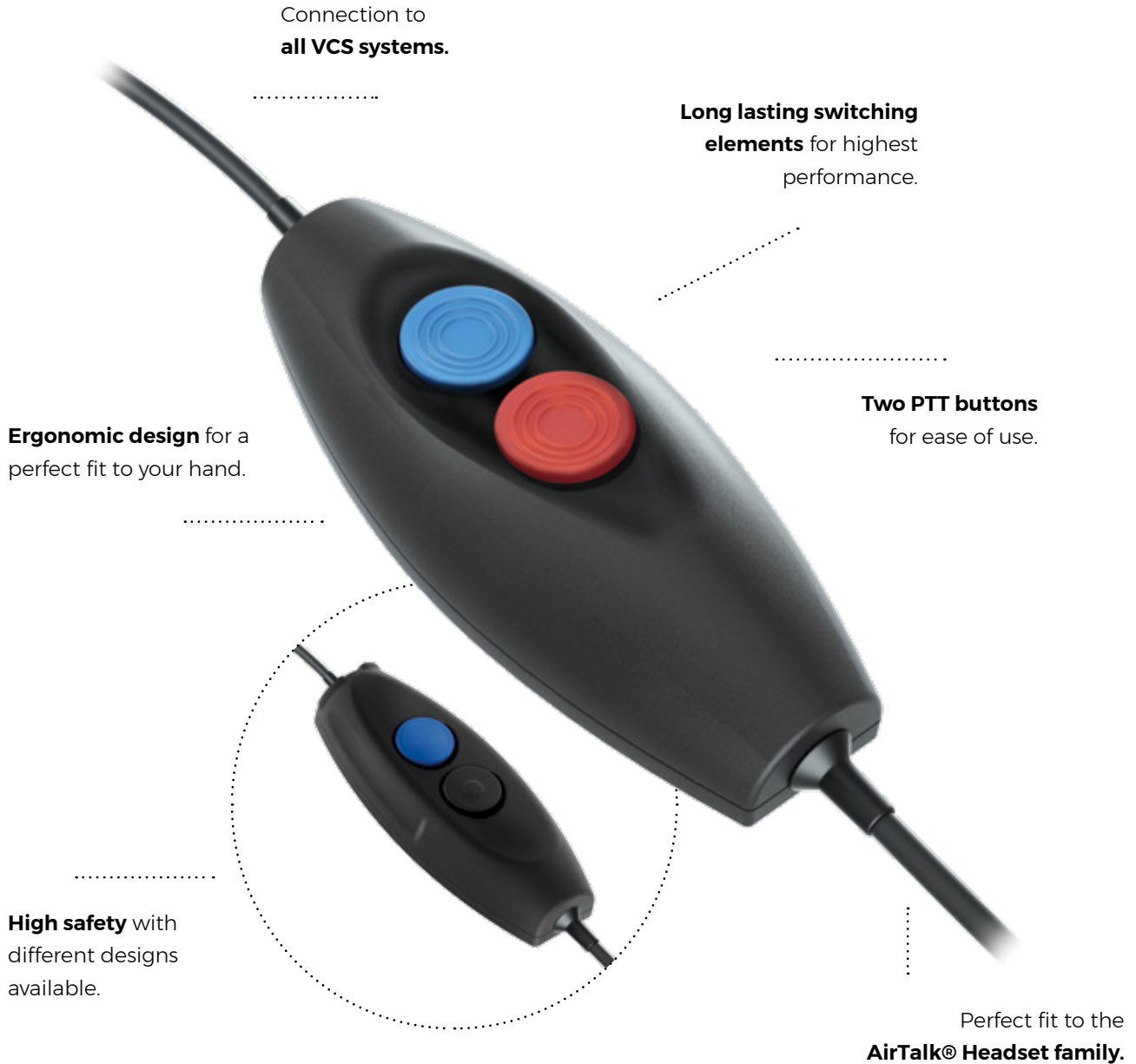
To guarantee a high wearing comfort, the headset has a single-sided cable routing.



PTT-19 Dual



Designed for Remote Digital Towers and Military ATC operations



The **PTT-19 Dual** is designed for the demanding needs of the ATCO's around the world.

Especially for applications in the Remote Digital Tower segment or in Military ATC the dual PTT allows a perfect use. The user can easily handle two channels from the palm of its hand.

This increases safety and reduces time in remote operations.

In the Military ATC the user is able to decide from the palm of the hand between BLACK and RED communication channels.

PTT-BUTTONS - THE PERFECT CONNECTION



PTT-13

- Ergonomic design for a comfortable fit in pistol grip design
- Robust housing
- Long life design of switching elements
- Belt clip and hand strap for safety and safe stowing in your daily work



PTT-13 Volume Control

- Ergonomic design for a comfortable fit in pistol grip design
- Volume control at the PTT button for adjusting your hearing
- Long life design of switching elements
- Belt clip and hand strap for safety and safe stowing in your daily work



PTT-19

- Ergonomic design to fit ideally to the shape of the hand
- Robust housing with tactile button feedback
- Long life design of switching elements
- Depression for best tactical usability and safety against unintended pressing



Cables & Connections

- Steel wiring for strong and reliable connection
- Adaption to your choice of Voice Communication System (VCS)
- Different connectors for your choice
- Individual length and characteristics of the connection cable depending on your application

HANDSETS - CLASSIC COMMUNICATION DEVICES



HS3

- Classic design with ergonomic shape
- Big PTT-button for ease of use
- High quality acoustic components for best communication
- W/ or w/o hall sensor for automatic detection
- Repository tray available for safely stowing while not in use



HS4

- Newly shaped design handset
- Different PTT options available
- High quality acoustic components for best communication
- Connectivity via RJ-12 connector
- Different cable options available, incl. USB option

DESK MICROPHONES

DESK MICROPHONES

- With or without speaker for best usability
- Flexible gooseneck microphone
- Solid stand for easy usage
- High volume speaker option available



TM2

TM2 LS

MICROPHONES



HT2

- Made of anodized aluminium for long life
- High quality acoustic components
- Easy handling
- Standard delivery incl. wall mount



HT2 Base

- High stability with the big foot plate
- Durable and long connecting cable
- Connection to nearly any VCS or control room system
- Perfect handling due to the ergonomic form
- Easy to use Push-To-Talk button
- Option with USB available

AURELIS ATC



Aurelis ATC

- Ergonomic design with firm grip due to the curved sealing
- Dynamic or electret version with speaking only
- Different connection cable options
- For your choice of flight radio and tower application

WIRELESS SYSTEM



AirTalk® 5000 WL

- Monaural or binaural headset for use in the ATM environment
- Best adjustments for use with WL-DECT 2 wireless system
- Newly designed, flexible headband with best fit for every size
- Safe the hearing of the user with Acoustic-Shock-Protection
- Flexible and adjustable microphone with noise-cancelling
- **CoolMax** technology for the ear cushions with highest comfort

Wireless PTT



AirTalk® WL DECT 2

- Latest DECT technology with highest encryption rate (128 bit)
- Wireless PTT button with locking and volume control for the hearing
- Low latency
- Extended talk time for up to 10 hours
- Easy to exchange battery with second battery pack incl.



SIMULATION & OPERATION

Simulation & Operation – Hand in hand

Training and simulation constitute crucial elements of Air Traffic Control. ATCOs must undergo training to acclimate to new sites and systems. Moreover, they need to grasp emerging technologies and progressive concepts like Remote Digital Towers, Remote Towers, or Virtual Towers. The simulation provider covers these domains and more to offer the finest experience to air navigation service providers and their training institutions. To ensure this exceptional experience, seamless integration with existing or new operational systems is imperative. This aligns with the military adage of “train as you fight.”

Addressing the capacity to operate and train cohesively, it's evident that communication equipment, such as handsets, headsets, and microphones, plays a pivotal role.



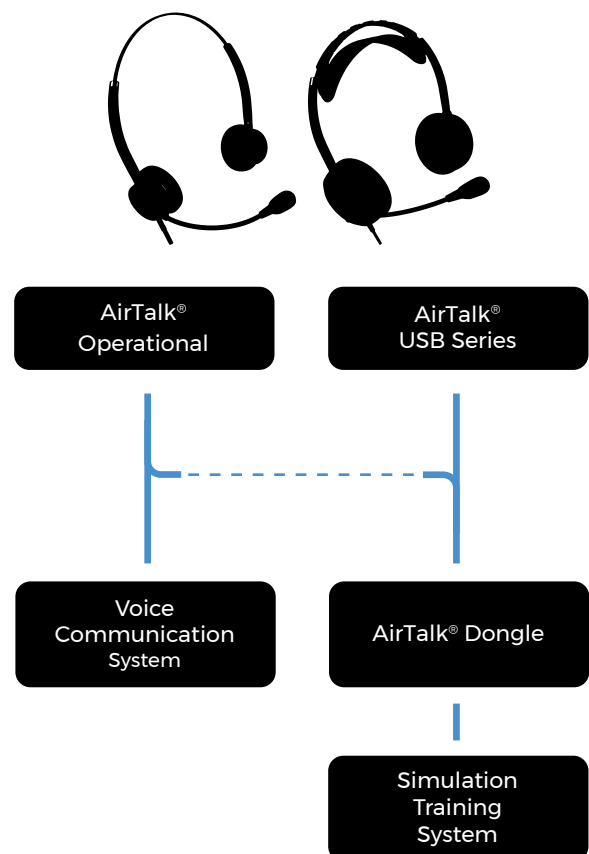
AirTalk® USB dongle

Connect your live headset to your choice of simulation & training system

- Well established USB technology
- Easy connection with the right connection to your live headset
- USB stays at the training system.

While aligning equipment for operations and simulations might pose challenges, numerous factors must be considered, particularly in terms of equipment availability for each domain. The novel IMTRADEX concept facilitates uninterrupted communication between simulation and operational arenas.

The **AirTalk® Dongle** offers a digital avenue to link your operational devices with the simulation area. This adaptable device can be seamlessly integrated into various systems, and the IMTRADEX USB technology might already be familiar to your simulation setup. The Dongle concept synergizes seamlessly with the IMTRADEX AirTalk® series, presenting immediate connectivity options.



The training and study of any ATCO is a long and exhausting way. We bring a reduction in training and simulation by using the same or similar tools for all purposes – live and in simulation.

TRAINING & LIVE CONCEPT



AirTalk® PTT-19 dual

AirTalk® PTT-19



AirTalk® PTT-13 VC

AirTalk® PTT-13

AirTalk® USB PTT

Equal behavior and utilization for best training effects.

Our well-known and worldwide accepted PTT-buttons are available for use as an USB device. While using the detach option for the headset, you can use the same headset for multi-purpose. You can easily switch between the live application and the training application.

You can choose either the pistol grip type PTT-13 or the well-shaped PTT-19 or PTT-19 dual with a depressed PTT button. Both types bring a long and reliable lifetime with them.

Our USB technology increase the value with adding DSP and noise reduction as well as a high compatibility.



ACCESSOIRES



Our accessory portfolio allows for each user a perfect choice and great abilities to care about the hygienic part of the daily use of ATM grade headsets.

The ear cushions are available in different sizes and different materials and can be easily exchanged from the ATCO.

The **AirTalk®** carrying bag allows an efficient and safe stowing of the headset and PTT.

Headband, lanyard and the other material bring further advantages to the **AirTalk® FAMILY** and makes the choice and the return on invest easier and faster.

SERVICE & SUPPORT

It makes the difference

We are working closely with ANSP's and associated companies within the global ATM market. Service and support can be offered on various options.



Service
ON SIGHT



Service with
AUTHORIZED PARTNERS



Service at our **GERMAN HQ**
(incl. options for short
turnaround times)

All the necessary information on product support, warranty and safety information is on our website: www.imtradex.de

If you have a specific question outside of our online offer, please do not hesitate to call our support team:

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