

# **INVISIO** V-Series Gen II

Communication and Hearing Protection in Extreme Environments



# INVISIO V-Series Gen II

## Next Gen Performance

INVISIO products are used by the most elite customers in the world. In excess of 200,000 systems are fielded and proven in more than 50 countries.

INVISIO T7  
Over-The-Ear  
Headset

INVISIO V50 II  
Dual Com Control Unit

## 20 years of Combat Proven Experience at your service

INVISIO is a global market leader within advanced hearing protection and communication systems for security and defense forces, with more than 200,000 systems fielded globally.

This position is based on 20 years of combat proven experience, using cutting-edge technology, and providing industry leading solutions to the most demanding elite units in the world.

INVISIO is constantly pushing the limits of technologies in order to protect and enable professionals to operate and communicate clearly and safely in all environments.

During critical operations such as medical evacuations, conflict resolving, counterinsurgency support and other combat or non-combat operations the need for hearing protection and crystal-clear communication is crucial to both soldier and mission success. Effective communication can make the difference between safely defusing a situation or risking injury to soldiers or innocent civilians.

INVISIO's core assets are:

- Crystal clear communication
- Effective hearing protection
- Full situational awareness
- Seamless integration



*The INVISIO Communication System is based on a range of fully interchangeable headsets and control units. All INVISIO systems feature INVISIO IntelliCable® programmable cables, that enables seamless integration to communication devices*

# INVISIO V-Series Gen II

## Next Gen Performance

### Unparalleled Performance

in extremely noisy environments

The V-Series Gen II builds on a strong legacy of products and technology, proven by thousands of operations worldwide, and refined through ongoing dialogue and understanding of our customer's needs.

Powered by artificial intelligence, Gen II provides unparalleled audio performance and market leading hearing protection in extremely noisy environments.

Configuration possibilities are limitless and the newest addition to the V-Series Gen II family even bridges audio, data and power for more capabilities with less devices.

The V-Series Gen II takes tactical communication and hearing protection in extreme environments to a whole new level. Expect performance of the future today!

#### Mission Adaptive

Volume from received audio is automatically adjusted to surrounding sound level.



#### Market Leading Hearing Protection

Double hearing protection solution of 42 dB SNR / 34 dB NNR with hear through capability.



#### Flexible and Intuitive

Intuitive operation and limitless configurations for all scenarios.



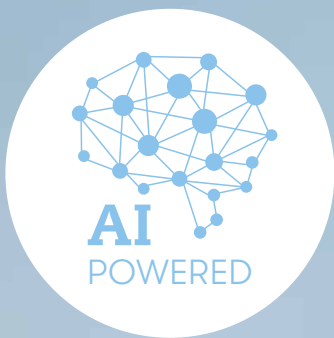
#### INVISIO Audio™

Unparalleled audio performance excluding unwanted noise.



# INVISIO V-Series Gen II

## Next Gen Performance



**INVISIO** V60 II  
Tri Com Control Unit

# INVISIO V-Series Gen II Legacy

## A Strong Legacy for the next generation

The V-Series Gen II builds on the strong legacy of the V-Series offering the unique capabilities of the market leading V-Series:



### Automatic Start-Up

Starts with radio – no calibration



### Submersible to 20 Meters

Resistant to water, dirt and sand



### Centralized Power

No internal battery is required.



### Multi-Headset Interface

Adapts to legacy and existing INVISIO headsets



### Hear-Thru Control

Simplified volume control



### INVISIO IntelliCable®

Automatic detection of connected comms devices



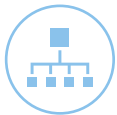
### Reduced Size and Weight

Reducing the burden of the user



### Independent Audio Streams

Up to 6 separate audio streams



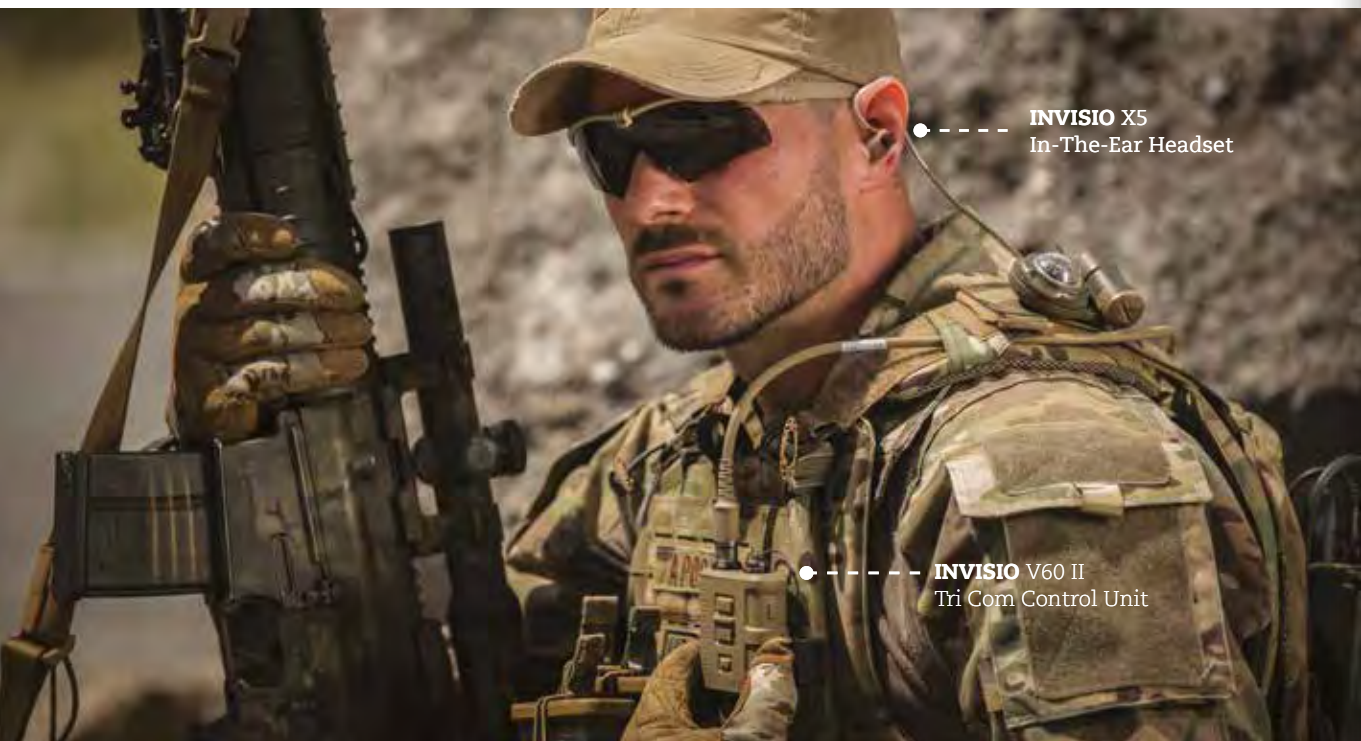
### Multi-Com Interface

From Single to Tri com



### MIL-Standard Compliance

Meet MIL-STD 810G & 461F



INVISIO X5  
In-The-Ear Headset

INVISIO V60 II  
Tri Com Control Unit

# INVISIO V-Series Gen II Overview

## Meet the Future of mission critical comms performance

The AI-powered V-Series Gen II platform significantly improves life-preserving speech quality and intelligibility and offers unlimited configuration possibilities.

Thanks to advanced technologies and digital signal processing, audio and hearing protection is constantly optimized to the surroundings. The control units automatically adapt all in-coming and outgoing audio volume to any environments and are easy and intuitive to use.

All the V-Series Gen II control units are wireless-capable, and can be paired with a wireless remote PTT, INVISIO R30, that enables hands-free operation of the control unit.

Bridging audio, data and power, the V60 II ADP is the ultimate hub and control unit for the modern warfighter or public safety professional.

Expect features that sets the bar for audio performance and hearing protection for defense and public safety professionals.



Control Unit	V10 II	V20 II	V50 II	V60 II	V60 II ADP
<b>COM Ports</b>	1	1	2	3	3
<b>PTT Buttons</b>	1	2	4	4	4
<b>Weight</b>	127 grams	100 grams	167 grams	152 grams	147 grams
<b>Colour</b>	Tan or black	Tan or black	Tan or black	Tan or black	Tan
<b>Immersion</b>	20 meters	20 meters	20 meters	20 meters	20 meters
<b>Power</b>	From comms	From comms	From internal battery or comms	From comms	From comms USB power delivery
<b>Data hub</b>	No	No	No	No	Yes

# INVISIO V-Series Gen II



## Mission Adaptive

### Volume Control Adapted to the Surroundings

Volume from received audio is automatically adjusted to surrounding sound level to secure uninterrupted and clear communication.



## INVISIO Audio™

### Improved Auditory Situational Awareness

Advanced algorithms to enhance transition from noisy to quiet environments and vice versa.

### Removal of Constant Radio Noise (Squelch)

Auto mute of all received audio when not receiving incoming radio communication.

### Improved Noise Reduction

AI and Digital Signal Processing techniques to filter out unwanted noise and increase voice quality and intelligibility.

### Enhanced Noise Cancellation

Additional noise cancellation is provided by utilizing the Bone Conduction Microphone to further filter out unwanted noise.







## Market Leading Hearing Protection

### Audio not Exceeding Predefined Level

Received level of audio from external sources or own equipment never exceeds a pre-defined level.

### Comfort Mode even more Protective

Hear through audio significantly improved in constant high-noise environments by reducing ambient noise levels by -10 dB.

### Double Hearing Protection with Hear Through

Double hearing protection solution of 42 dB SNR / 34 dB NNR with hear through capability.



## Flexible and Intuitive

### Voice Prompts

Voice prompts to guide the user on advanced features or when pairing with remote PTTs.

### Voice Operated Transmit - VOX

Optional built-in VOX functionality allows speech to transmit without having to key a PTT.

### Advanced Wireless Capabilities

Built in Bluetooth to connect the INVISIO R30 Remote Wireless PTT.

### Stereo/Dual Net Support

Control units support dual net on all COM ports.

### Customized PTT functionality

PTT button assigned for specific tasks - voice prompts, mute radios, controlling radio settings etc.




# INVISIO V10 Gen II

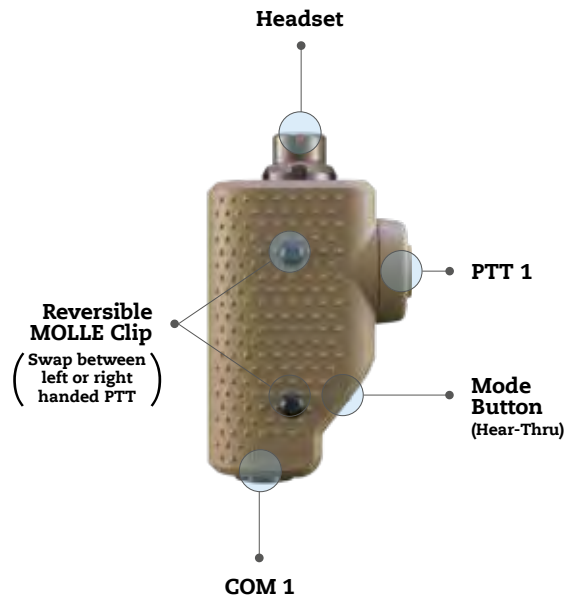
## Single Com Control Unit

### INVISIO V10 II

The INVISIO V10 II control unit is a rugged, single com PTT designed for soldiers with one radio. The INVISIO V10 II features a large exchangeable PTT button and can be oriented for left or right handed PTT. The control unit is fully compatible with other INVISIO systems and combined with the INVISIO headsets the system provides clear communication, situational awareness and market leading hearing protection.

Available Colors: ● ●

1 Com Port	Powers From Comms	
1 PTT Button	Multiple Headsets	
127 Grams	Com Auto-Sensing	
70 x 40 x 27 mm	20 Meters Submersible	




# INVISIO V20 Gen II

## Single Com Control Unit

### INVISIO V20 II

The INVISIO V20 II control unit is designed for soldiers with a single radio with one or two talk-groups. It is the smallest and lightest control unit available and powers from the connected radio. The INVISIO V20 II is very intuitive and simple to use. The control unit is fully compatible with other INVISIO systems, and offers state of the art situational awareness and integration to other communication devices.

Available Colors: ● ●

1 Com Port	Powers From Comms	
2 PTT Buttons	Multiple Headsets	
100 Grams	Com Auto-Sensing	
64 x 40 x 27 mm	20 Meters Submersible	



## INVISIO V50 Gen II Dual Com Control Unit

### INVISIO V50 II

The INVISIO V50 II control unit is designed for soldiers and commanders that require an internal power supply and two communication devices, such as team radio, combat net radio or vehicle intercom system. The control unit can handle multiple talk-groups and can also power from any of the connected communication devices. Lightweight and small, the control unit offers state of the art situational awareness and is fully compatible with other INVISIO systems.



Available Colors: ● ●

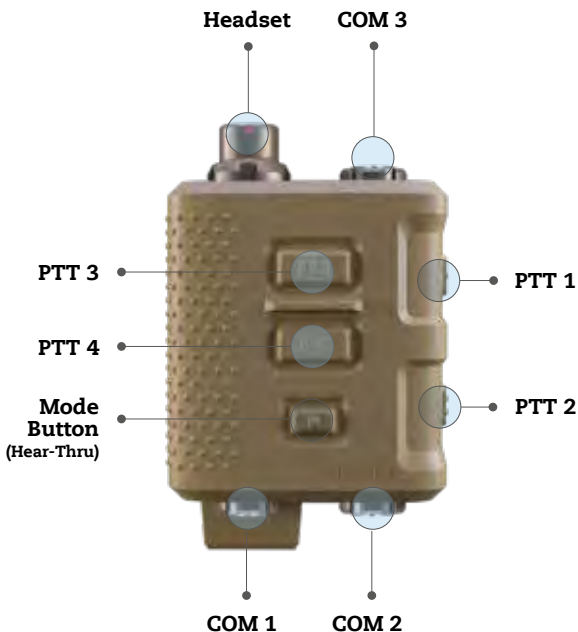
2 Com Ports	Powers From Battery or Comms
4 PTT Buttons	Multiple Headsets
167 Grams	Com Auto-Sensing
70 x 63 x 30 mm	20 Meters Submersible



## INVISIO V60 Gen II Tri Com Control Unit

### INVISIO V60 II

The INVISIO V60 II control unit is designed to be the ultimate communications hub. With 3 com ports and 4 PTT buttons, the control unit is capable of connecting into practically any type of communication device, such as multiple net radios, smart phones, a broad range of audio devices, headsets (tactical, covert and commercial) and intercom systems for land, sea and air vehicles.



Available Colors: ● ●

3 Com Ports	Powers From Comms
4 PTT Buttons	Multiple Headsets
152 Grams	Com Auto-Sensing
70 x 63 x 25 mm	20 Meters Submersible



# INVISIO V60 II ADP

## Audio, data and power control unit

### INVISIO V60 II ADP

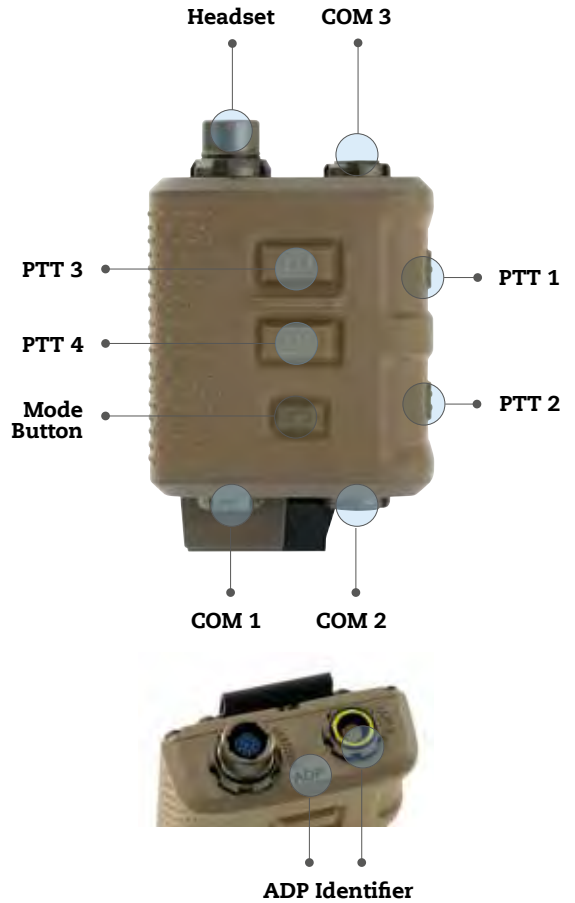
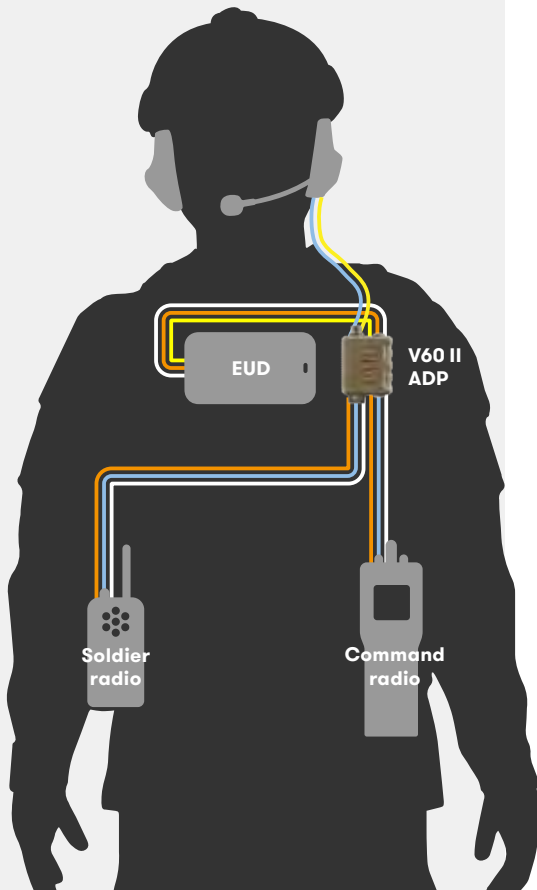
The INVISIO V60 II ADP control unit is designed to be the ultimate warfighter hub.

Bridging audio, data and power, it provides more functionality with less devices by integrating systems and data. With 3 com ports and 4 PTT buttons, the control unit is capable of connecting into any type of communication device.

Notifications from EUDs (End User Devices), voice prompts, and live audio streaming can be transmitted directly to the headset.

Available Colors: ●

3 Com Ports	Powers From Comms – USB Power Delivery
4 PTT Buttons	Multiple Headsets
147 Grams	Com Auto-Sensing
70 x 63 x 25 mm	20 Meters Submersible
Data Hub – USB 2.0	Digital Audio



## EUD audio to headset

Audio from EUD transmitted directly to headset reduces the need to look at and operate EUD:

- Notifications from Battle Management Systems
- Voice prompts from EUD
- Audio from peripherals live-streaming
- Voice comms enabled via EUD
- Less screen brightness issues during nighttime operations
- Digital audio for in-service headsets

- = Data
- = Audio
- = Power
- = Digital Audio

# INVISIO V-Series Gen II Audio, Data & Power



Bridging  
audio, data  
and power

INVISIO V60 II ADP  
Tri Com Control Unit

# INVISIO R30

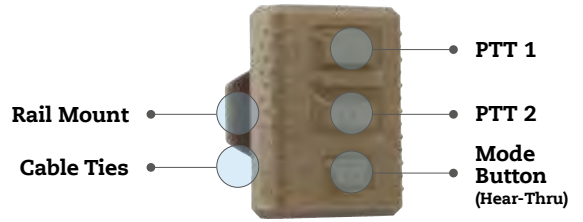
## Wireless Remote PTT

### INVISIO R30

The INVISIO R30 wireless PTT enables remote keying of the Gen II V-Series control units. It mirrors the key combos and modes of the control units, and comes with rail mount, as well as cable ties. It uses the Bluetooth Low Energy (BLE) protocol for communication, and up to seven R30's can be paired to a single control unit. The INVISIO R30 is submersible to 20 meters and has an internal, replaceable battery with a lifetime of up to 2 years.

Available Colors: ● ●

1 Mode Button	Wireless
2 PTT Buttons	Internal Battery
39 Grams	Rail Mount and Cable Tie Attachment
37 x 15 x 50 mm	20 Meters Submersible



INVISIO R30  
Remote PTT

# INVISIO Communication System

The INVISIO system is based on fully interchangeable control units, headsets and programmable cables. Together they provide crystal clear communication and industry leading hearing protection and situational awareness.

INVISIO headsets provide maximum comfort and a secure fit, and comes in various types: Dual in-ear-, Single-sided, submersible in-ear-, and ear-cups with boom mic headsets. Multiple adapter cables are available so that new and legacy headsets works seamlessly within the same system.

INVISIO in-the-ear headsets are compatible with helmets, eyewear, breathing apparatus and earmuffs. They utilize the INVISIO Bone Conduction Technology where vibrations from the user's jawbone are converted into crystal clear communication.

INVISIO over-the-ear headsets are a significant improvement over traditional cup headset design, as they remove weight and complexity from the headset by centralizing operation and powering of the headset to the INVISIO control unit.



Headsets	M3s	X5	T5	T7
<b>Style</b>	In-The-Ear (ITE)	In-The-Ear (ITE)	Over-The-Ear (OTE)	Over-The-Ear (OTE)
<b>Hearing Protection</b>	None	32 dB SNR/29 dB NRR	24 dB SNR	28 dB SNR
<b>(Tx) Microphone</b>	Bone Conduction	Bone Conduction	Boom	Boom
<b>Size</b> (Earpiece only)	13 x 11 x 24 mm	13 x 11 x 24 mm	84 x 110 x 45 mm	83 x 110 x 49 mm
<b>Weight</b> (Incl. connector)	18 grams	70 grams	360 grams	347 grams
<b>Colour</b>	Black or tan	Black or tan	Black or tan	Black or tan
<b>Immersion</b>	20 meters	2 meters	1 meter	10 meters

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## About INVISIO

INVISIO develops and sells advanced communication systems with hearing protection that enable professionals in noisy and mission critical environments to communicate and operate effectively. The company operates under two brands, INVISIO and Racal Acoustics, combining insights in acoustics and human hearing with broad engineering know-how in software, materials technology and interface. Sales are via the headquarters in Copenhagen and sales offices in the USA, France, the UK, Italy and Thailand, as well as via a global network of partners and resellers. INVISIO's registered office is in Stockholm, Sweden, and the company's share is listed on Nasdaq Stockholm (IVSO).

[www.invisio.com](http://www.invisio.com)

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# INVISIO®

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