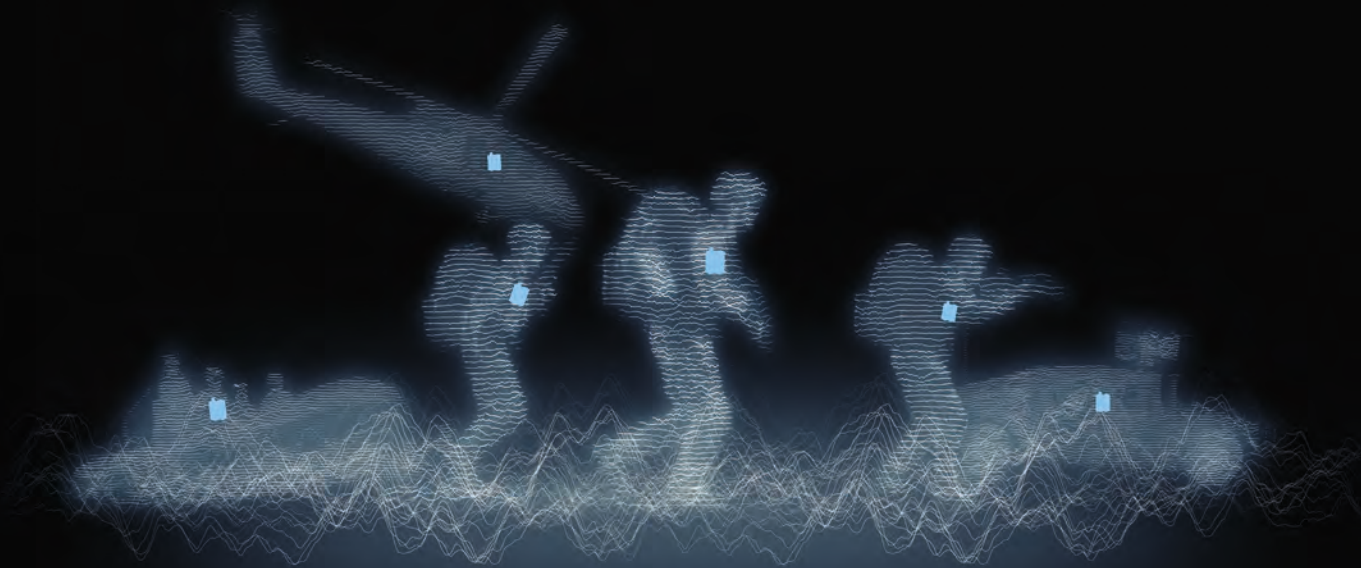


# **INVISIO** V-Series Gen II

Communication and Hearing Protection in Extreme Environments





# INVISIO V-Series Gen II Next Gen Performance

INVISIO T7 Over-The-Ear Headset

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 V60 II Tri Com Control Unit

# INVISIO Introduction

## 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

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.

Introducing the next generation V-Series, INVISIO 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.

When developing the V-Series Gen II, key focus was to provide unparalleled hearing protection in extremely noisy environments, to improve the overall user experience, and to make integration and configurations as seamless and flexible as possible.

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

Fully adaptive to surrounding audio and noise through intelligent processing.



### Market Leading Hearing Protection

Increased protection levels for high-noise environments.



### 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 X5  
In-The-Ear Headset

INVISIO R30  
Wireless Remote PTT

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
- Centralized Power**  
No internal battery is required.
- Hear-Thru Control**  
Simplified volume control
- Reduced Size and Weight**  
Reducing the burden of the user
- Multi-Com Interface**  
From Single to Tri com
- Submersible to 20 Meters**  
Resistant to water, dirt and sand
- Multi-Headset Interface**  
Adapts to legacy and existing INVISIO headsets
- INVISIO IntelliCable®**  
Automatic detection of connected comms devices
- Independent Audio Streams**  
Up to 6 separate audio streams
- 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

Meet the V-Series Gen II, based on a completely new technical platform, that takes tactical communication in extreme environments to a whole new level.

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 to any environments, offers unlimited

configuration possibilities, and are easy and intuitive to use.

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

Expect new features and improvements that sets the bar for audio performance and hearing protection in the defense and public safety industry.



Control Unit	V10 Gen II	V20 Gen II	V50 Gen II	V60 Gen II
<b>COM Ports</b>	1	1	2	3
<b>PTT Buttons</b>	1	2	4	4
<b>Weight</b>	127 grams	100 grams	167 grams	152 grams
<b>Colour</b>	Tan or black	Tan or black	Tan or black	Tan or black
<b>Immersion</b>	20 meters	20 meters	20 meters	20 meters
<b>Power</b>	From comms	From comms	From internal battery or comms	From comms

# INVISIO V-Series Gen II Enhancements



## 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

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. (Rx output limiter)

### 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 enabling or disabling 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 new INVISIO R30 Remote Wireless PTT.

### Enhanced Stereo/Dual Net Support

Control units support dual net on all COM ports.



## INVISIO V10 Gen II

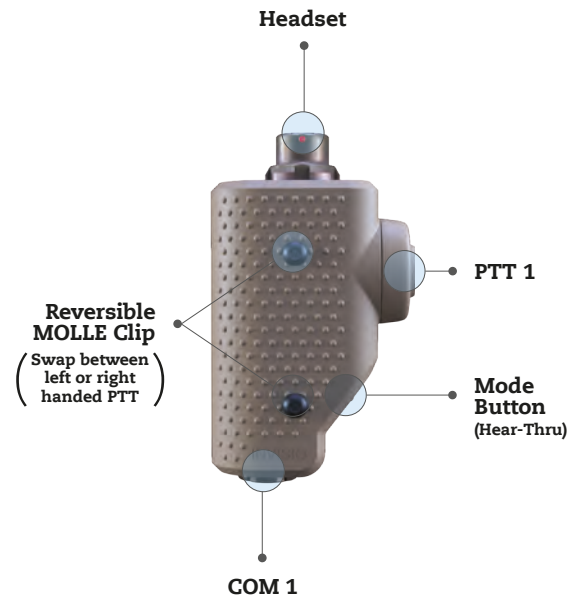
### Single Com Control Unit

#### INVISIO V10 II

The INVISIO V10 control unit is a rugged, single com PTT designed for soldiers with one radio. The INVISIO V10 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

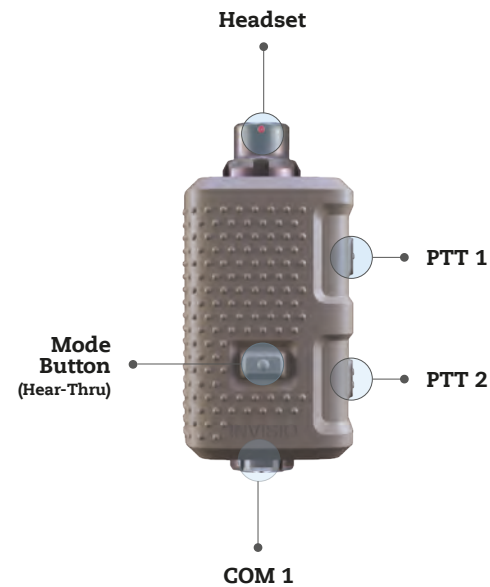
### Single Com Control Unit

#### INVISIO V20 II

The INVISIO V20 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 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

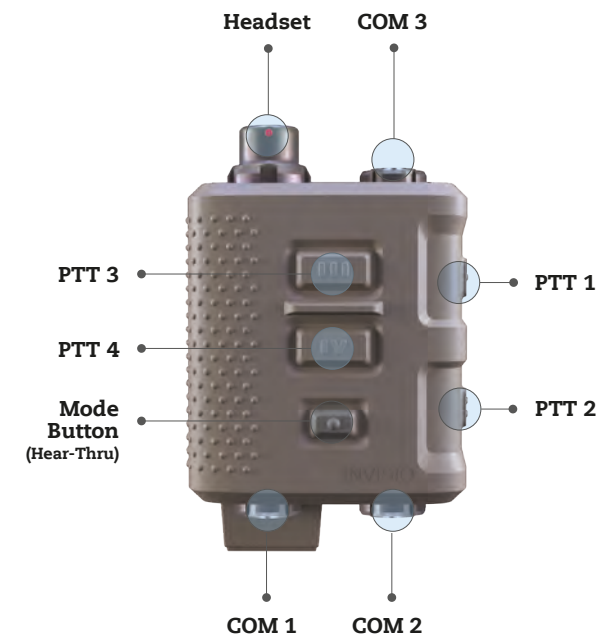
### Dual Com Control Unit

#### INVISIO V50 II

The INVISIO V50 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 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 R30

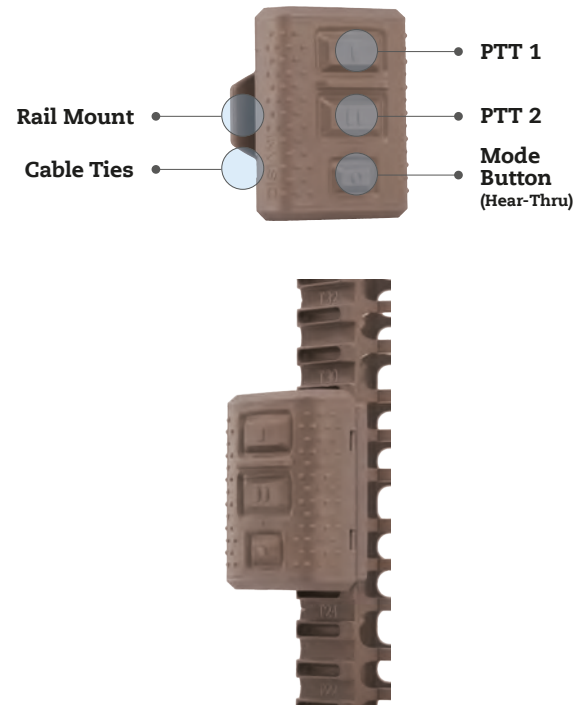
## Wireless Remote PTT

### 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 Button	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	54 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

# INVISIO

## Complete Modularity



INVISIO Personal System

## Modular and Scalable

INVISIO solutions are versatile, scalable and cost-effective. Equipment and systems are not restricted to serving one team but can be used across different scenarios and individual needs.



INVISIO IntelliCable®

## Plug & Play

INVISIO IntelliCable® enables all INVISIO equipment to be interchangeable and to integrate to other comms devices. It automatically detects the devices and sets all audio and system parameters.



INVISIO Intercom System

## Flexible and Mobile

The INVISIO Intercom System enables inter-group communication by plugging their existing dismounted system into any vehicle communication platform.

# INVISIO

## Complete Modularity

### Adaptable

It is not necessary to change a whole system in order to tailor a solution to a specific need or unit.



Soldier



Diver



Parachuter



Sniper



Special Forces

### Compatible

Hundreds of cables and adapters are available for comms with cell phones, tablets, intercoms, computers, sensor/robotic systems, etc.



Mine Sweeper / Detection



Computers



Tablets



Smart Phones

### Versatile

The Intercom System bridges the gap between the mounted and dismounted soldier. Any vehicle communications platform is easily integrated.



Ground mobility vehicle



Helicopters



Boats



Light mobility platform



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## About INVISIO

INVISIO offers cutting-edge personal communication and hearing protection systems. The systems enable users to operate and communicate safely and clearly in all environments, even under extreme conditions, such as loud noise, heat, and underwater. INVISIO systems consist of headsets and advanced control units that interface to a wide range of communication devices. The systems provide hearing protection while maintaining the natural level of situational awareness. Customers are mainly from the public sector. Sales are made via a global network of partners and to some extent directly to end customers. INVISIO is listed on Nasdaq Stockholm (IVSO).

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

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# INVISIO®

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