



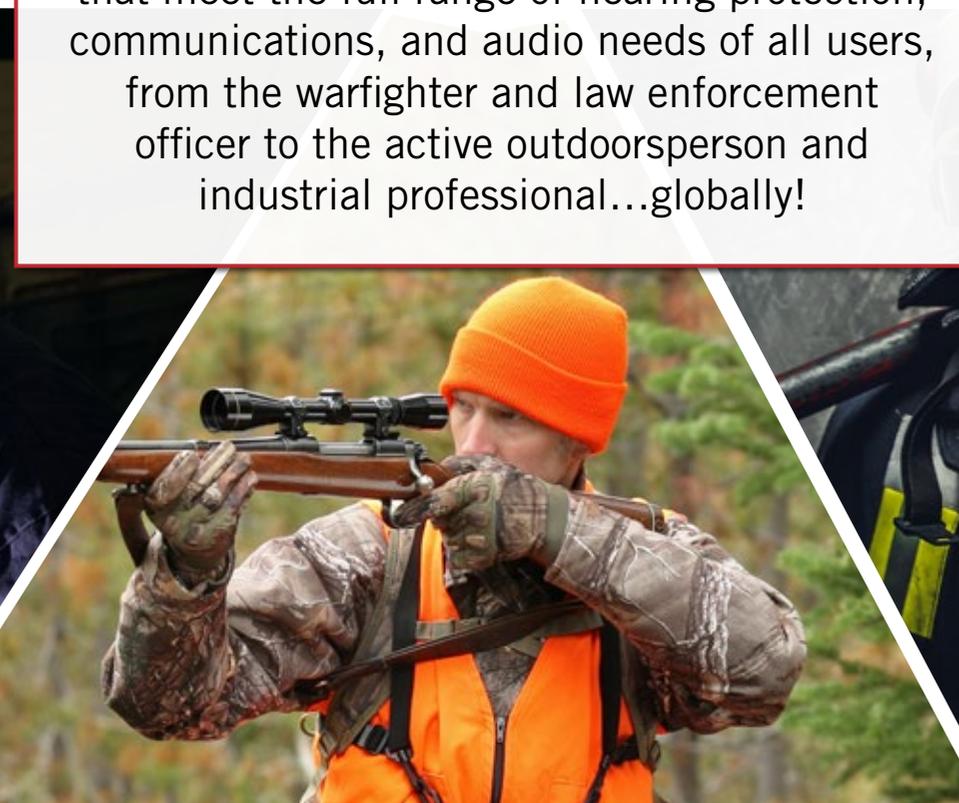
**S**ILYNX  
PRODUCT GUIDE

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## OUR MISSION

Provide purpose-built ruggedized products that meet the full range of hearing protection, communications, and audio needs of all users, from the warfighter and law enforcement officer to the active outdoorsperson and industrial professional...globally!



NUMBER OF RADIO CONNECTIONS



MODULAR RADIO LEAD



WIRELESS CAPABLE



CELL PHONE COMPATIBLE



FIXED RADIO LEAD



SUBMERSIBLE

# WHY IN-EAR?

## OVERVIEW

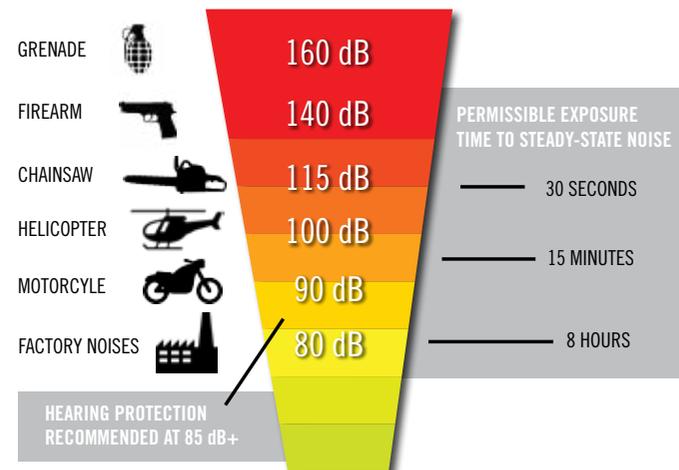
When selecting a headset or hearing protection there are two primary paths: passive or electronic, over-the-ear (OTE) or in-the-ear (ITE). For over 10 years SILYNX has specialized in electronic in-ear systems. SILYNX has done this for one reason...because we feel that this is the superior solution.

Here's why.

## PASSIVE OR ELECTRONIC?

Passive hearing protection means that the product is blocking out all sounds from your hearing. That means that you will be protected from harmful noise, but it also means that you will not be able to have normal conversations or have any audible awareness of the environment around you. This is very dangerous in a tactical or industrial environment, very inconvenient in other situations. Passive hearing protection is inexpensive and used when complete "occlusion" from all sounds is acceptable. Ever see shooters on the range with ear muffs resting on the head? That's because they have to remove their passive hearing protection to talk or hear others.

Electronic hearing protection incorporates miniature external speakers that allow normal sounds to pass through, but when unsafe sounds are around you, the electronics eliminate the noise to protect your hearing. This electronic hearing protection eliminates the need to remove or replace your hearing protection throughout the day.



\*www.noiseandhealth.org



- No interference with helmets, eyewear gas mask/CRBN/SCBA
- Comfortable to wear all day in all conditions
- No moisture build up

- Size and bulk interfere with helmets, eye-wear and your rifle stock
- Hot and uncomfortable in most environments
- Susceptible to moisture build in ear



## ELECTRONIC OVER-THE-EAR OR IN-THE-EAR?

Now that you've decided to go electronic, you need to decide if you want the over-the-ear (OTE) design or the in-the-ear (ITE) design.

Over-the-ear means that two cups with padded foam attach to your head with a spring mechanism; these are also known as "muffs" or "Mickey Mouse ears." Electronic muffs tend to have more disadvantages than advantages. They interfere with your cheek weld if you are shooting with a long-gun, they interfere with protective eye wear (as a matter of fact, putting your ear muffs over the temples in eyewear breaks the acoustic seal of the muff and negates most of the hearing protection benefits) and headwear, and they get really hot. Ever see shooters on the range with ear muffs resting on the head? That's because they have to remove them because they are too uncomfortably hot.

In-the-ear designs are actually inserted into the ear canal. They are lightweight, do not interfere with any aspect of the head be it eyewear, cheek weld, or head gear. Moreover, they do not get your head all hot and sweaty.

With the combined advantages of electronic hearing protection in an ITE form factor, we at SILYNX see it as the superior solution. The choice of pros. Proven on the battlefield, on the streets, and outdoors everywhere.

## WHY SILYNX?

Now that you've decided that electronic ITE is the choice of professionals, know that SILYNX Communications has dedicated its business to the manufacture of systems that provide communications, hearing protection, and hearing enhancement in a single ruggedized package for the hard core professional. From law enforcement to military, from recreational shooters to factory workers, SILYNX has focused on perfecting a system that protects your hearing without eliminating your ability to maintain awareness of the situation that surrounds you, and clearly communicate.

It started with the introduction of the industry's first in-the ear (ITE) system over a decade ago and has evolved to the Optimus and Clarus lines of tactical communications ITE headset systems and, more recently, the Clarus Pro systems for civilian-oriented applications like shooting and industrial work.

Our systems were born on the battlefields of Iraq and Afghanistan, put to the test by some of the most elite fighting forces in the world in some of the most rugged environments on earth. We take this experience and direct feedback from the operator to continuously improve our designs. With this experience, and nearly 100,000 units shipped worldwide, we can only say, "If it's good enough for them, it's good enough for you!"

# MARKETS SERVED



CLARUS PRO



Outdoor Recreation | Shooting & Hunting



CLARUS FX2



Industrial



Law Enforcement



CLARUS XPR | CLARUS



Military



OPTIMUS

## CLARUS PRO

## CLARUS FX2

## CLARUS XPR - FH

## CLARUS XPR - QH

## CLARUS

## OPTIMUS

HEARING PROTECTION / ENHANCEMENT

SINGLE RADIO

MODULAR

INTERCHANGEABLE

MULTIPLE RADIOS

PROGRAMMABLE

MILITARY GRADE

MILITARY GRADE

SMALLEST FOOTPRINT

SMALLEST FOOTPRINT

DIGITAL SIGNAL PROCESSING

DIGITAL SIGNAL PROCESSING

ENTRY LEVEL PRICE POINTS

HIGHEST CAPABILITIES

## IN-EAR MIC

SILYNX eliminated the need for larger microphones that you may know as boom mics, lapel mics, and speaker mics and replaced it with a microphone about the size of a pin head. That microphone is integrated into the stem of the SILYNX ear bud. That stem and microphone sit in the ear canal of the user, together they sense your voice, to transmit out the radio. In addition to eliminating the need for any external microphone, this technology also means that voice communications with a donned CBRN, SCBA, respirator, or other mask will be crisp and clear without any communications hardware installed in the mask itself. SILYNX in-ear technology does not rely on bone conduction, thus enabling much clearer voice audio from a whisper to full voices.

## RUGGED DESIGN

All SILYNX systems are designed to meet MIL-SPEC standards. They are submersible in water, impervious to extreme temperatures, and highly ruggedized, using superior materials to withstand a beating in any extreme environment. All cables are lined with aramid fibers to endure the pulls and tugs of the battlefield, the streets, or the rigors of industry.

## MODULARITY

SILYNX headsets provide multiple levels of modularity to match your mission profile as well your budget. SILYNX's proprietary Quick Disconnect Connector (QDC) allows the user to adapt the system to different communications devices and headsets by a simple change of adaptors. Each SILYNX system modularity options between the radio and the control box and between the control box and the headset.



## HEAR-THRU

Hear-Thru allows you to maintain critical situational awareness, and to have face to face conversations without removing your hearing protection in all types of operational environments. The Hear-Thru feature of SILYNX systems uses external microphones embedded in the earbud to enhance the user's natural hearing ability, allowing for awareness of ambient sounds that would otherwise go unheard. Regardless of the hear-thru level that a user chooses at any given time, during impulse noise events the hear-thru system responds to the decibel increase, automatically and immediately compressing the noise until the decibels decrease back to safe levels.

## USER CONTROLLED VOLUME

All of SILYNX's headset systems have durable, and easy to access volume buttons that control the level of hear-thru for the user. Located on the control units, these buttons adjust the hear-thru volume level to suit the environment and personal preference of the user.

## VOICE PROMPTS

The first thing you hear when activating a SILYNX headset is "UNIT ON". From then on, you know that your hearing is in good hands. Each touch of the user-controlled volume buttons initiates a "voice prompt" to let you know the level of hear-thru. The voice prompts are clear, plain language statements so you don't have to interpret beeps or other sounds to determine where your system is in the menu sequence.

## PURPOSE BUILT FOAM TIPS

SILYNX focuses on the details so that you don't have to, all the way down to the foam tips that mount on the earbuds. Not replacing foam tips about once a month can create hygiene issues as well as impede the quality and clarity of inbound audio traffic and safe sounds. All SILYNX foam tips incorporate a mesh protective barrier that are designed protect your headset investment by preventing debris from interfering or clogging the audio speaker of the earbuds. Simply remove and replace. Also, SILYNX's Canal Forming Technology™ foam means that as the foam warms it forms to the ear canal, ensuring a better seal, maximizing noise isolations, creating better retention, and lasting comfort.



## NEW PRODUCTS

Our SILYNX R&D team has been hard at work developing new products to support a multitude of civilian, law enforcement, and military applications. With direct input from our customers, we are bringing to market more leading in-the-ear electronic hearing protection, enhancement, and communications products suited to your needs.

**NEW!**

Fortis system is Silynx's newest edition to the line of in-the-ear tactical headset systems. Fortis offers an up to two-radio solution with an onboard battery that enables the user to flexibly use the system with or without radio power, as well as to use the system as hearing protection only (i.e., when no radio is connected). The interface ports connect Fortis to a variety of headsets and innumerable communications devices. This adapts the control box / PTT to virtually any operational profile, while protecting your investment from unforeseen changes in radios or vehicle systems. Not stopping at the electronics, Fortis' industrial design gives it a new modernized tapered fluting "look and feel" while incorporating an industry-first, customizable / changeable outer shell to change color or camo pattern (or any number of unique prints like unit logos) based on the desire of the user. Like all Silynx control boxes, control buttons are positioned for ambidextrous operation.

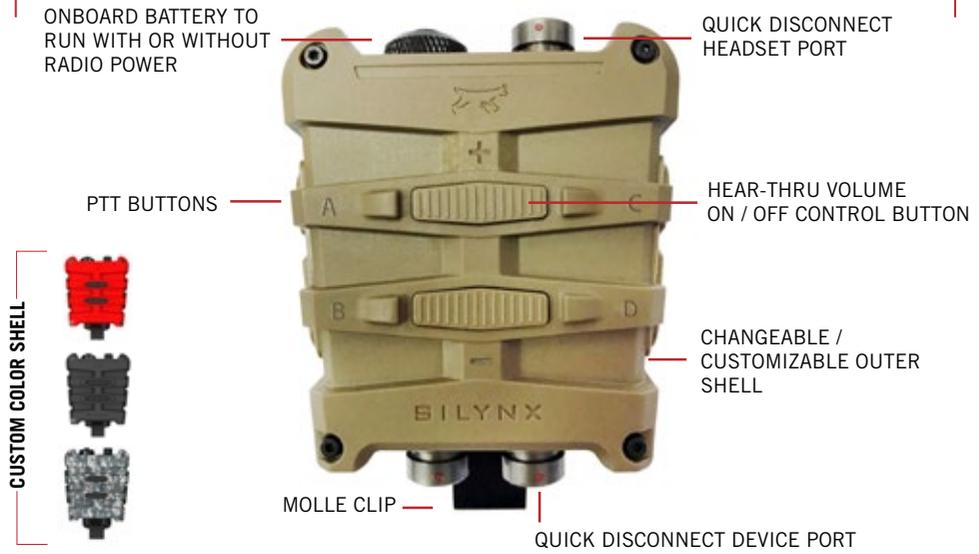
### FEATURES

- 25 NRR / 31 SNR
- AMBIDEXTROUS PUSH-TO-TALK BUTTONS
- SUPPORTS MULTIPLE COMMUNICATION DEVICES
- CUSTOMIZABLE OUTER SHELL
- ONBOARD BATTERY FOR FLEXIBLE POWER OPTIONS

### HEADSET



### PUSH-TO-TALK CONTROL UNIT



SAMPLE CONFIGURATION



CUSTOM COLOR SHELL





**NEW!**

## CHEST PTT FOR PUBLIC SAFETY



The Public Safety Chest PTT For Hazmat Suit offers a unique solution to industrial, fire and rescue workers, and others who are required to wear body suits for protection while they work. The cable allows users to adapt their SILYNX headset system for their specific operational needs. The large chest PTT button clips onto the operator's clothes under the suit, and is large enough to easily press over the suit in order to efficiently communicate.

**NEW!**

## SPEAKER MIC



SILYNX's speaker mic with boom attachment allows ease of transmitting for patrol officers. The multi-direction boom mic allows the user to maintain natural neck and head position while pressing the PTT button. No more awkward craning of the neck towards the speaker mic as is so common with alternative systems. Ideal for users in need of a simple comms solution with no hearing protection required. Multiple fixed radio connector options available.

**NEW!**

## EMBEDDED EAR RETAINERS



SILYNX is constantly improving its products based on user feedback direct from the field. Our new embedded ear retainers comfortably route ear bud cables perfectly around the ears to provide additional comfort and security to the headset. These ear retainers are waterproof and meet the same tough standards as the headsets themselves. All CLARUS, XPR, and FX2 systems are now shipping with embedded ear retainers as a standard offering.



## HEADSET SYSTEMS

For over a decade SILYNX has worked tirelessly to deliver headset systems that meet the ever-changing operational profiles of operators worldwide. From intuitive interfaces for industrial and basic security applications to modular and programmable systems for extreme tactical profiles, SILYNX is unmatched in flexibility, quality, affordability, and durability.



FEATURES	HSI	OPTIMUS	CLARUS	CLARUS XPR	CLARUS FX2	CLARUS PRO
Microphone Configuration	Boom	In-Ear	In-Ear	In-Ear	In-Ear	In-Line
Hear-Thru Technology		✓	✓	✓	✓	✓
Full Block Hearing Protection		NRR 25	NRR 25	NRR 25	NRR 25	NRR 25
Number of 2-Way Radios Supported	1	Up to 4	Up to 2	1 plus cell phone	1	1 <sup>§</sup>
Headset Connection	FIXED	QDC <sup>‡</sup>	QDC <sup>‡</sup>	QDC <sup>‡</sup> / FIXED	FIXED	FIXED
Radio Connections	FIXED	QDC <sup>‡</sup>	QDC <sup>‡</sup>	QDC <sup>‡</sup>	FIXED	
Cell Phone Support		✓	✓	✓	✓	✓
Wireless PTT Support		✓	✓			
Aux Jack		✓	✓			
Passive or Active Protection		Active	Active	Active	Active	Active

<sup>‡</sup>Modular Quick Disconnect Interface

<sup>§</sup>Includes FRS/GMRS Radios

When you just need a simple tactical headset, look at Silynx's single-sided, vented cup boom microphone headset. HSI simultaneously provides crystal clear radio audio with full situational awareness. HSI models include an integrated in-line push-to-talk (PTT) option or a Nexus/TP-120 jack for direct connection to U94 type PTTs deployed. All HSI models incorporate a noise cancelling boom microphone for clear outgoing audio regardless of the surrounding noise. In high noise environments, passive circumaural ear muffs can be worn directly over the HSI to attenuate dangerous noise while maintaining crystal clear communications.

## FEATURES



- PADDED HEADSTRAP TO COMFORTABLY FIT UNDER HELMET
- RIGHT OR LEFT DONNING
- VENTED & LIGHTWEIGHT
- MILITARY GRADE, ENVIRONMENTALLY HARDENED
- ADJUSTABLE HEADBAND
- SUBMERSIBLE

## SAMPLE CONFIGURATION



6 PIN, IN-LINE PTT



NEXUS MALE CONNECTOR



# OPTIMUS

Offering combat proven in-ear hearing protection, the OPTIMUS was designed for more complex ops and for users who require the fullest capability and multi-radio support.



## OVERVIEW

Optimus includes a multitude of features that maximize the operator's capabilities. The ability to control radio volume and channels from the PTT control box, mounting clips attached to either face of the unit for ambidextrous use or to accommodate other equipment on the vest. With the flexible and programmable nature of the Optimus, the user can customize the fit and feel to their preference. The Optimus incorporates the SILYNX Stingray headset to enable the highest clarity of inbound radio traffic and full 360 degree sound localization. Further, with just the change of a cable, the Optimus can be connected to vehicular or airborne intercom systems, smart phones, or other communications device.

## FEATURES

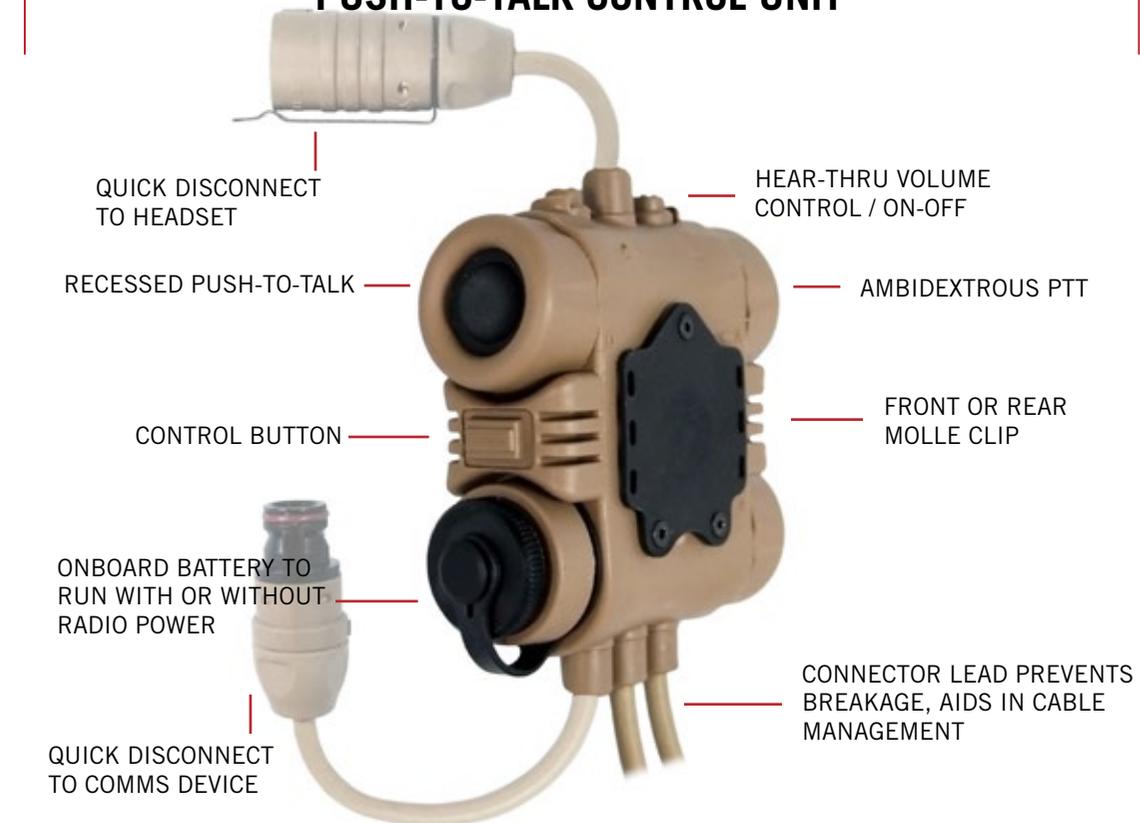
- 25 NRR / 31 SNR
- PROGRAMMABLE PTT ASSIGNMENT
- MONITOR UP TO 4 NETS
- CUSTOMIZABLE SOFTWARE OPTIONS
- FULLY MODULAR FOR VARIOUS MISSION PROFILES
- CONNECTS TO RADIOS, INTERCOM SYSTEMS, AND SMART PHONES



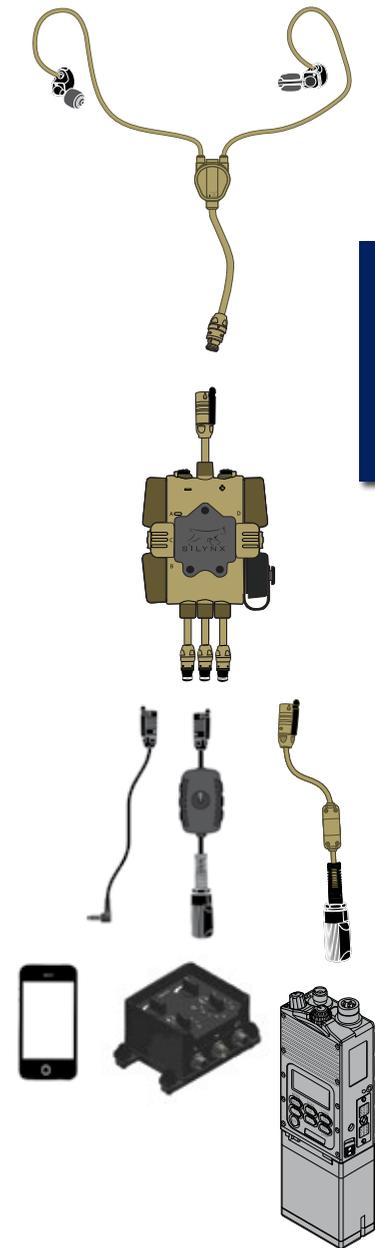
## HEADSET



## PUSH-TO-TALK CONTROL UNIT



## SAMPLE CONFIGURATION



# CLARUS

The SILYNX CLARUS offers premium functionality and capability in the world's smallest and lightest tactical headset system on the market today. It is the preferred alternative to finicky bone conduction alternatives.



## OVERVIEW

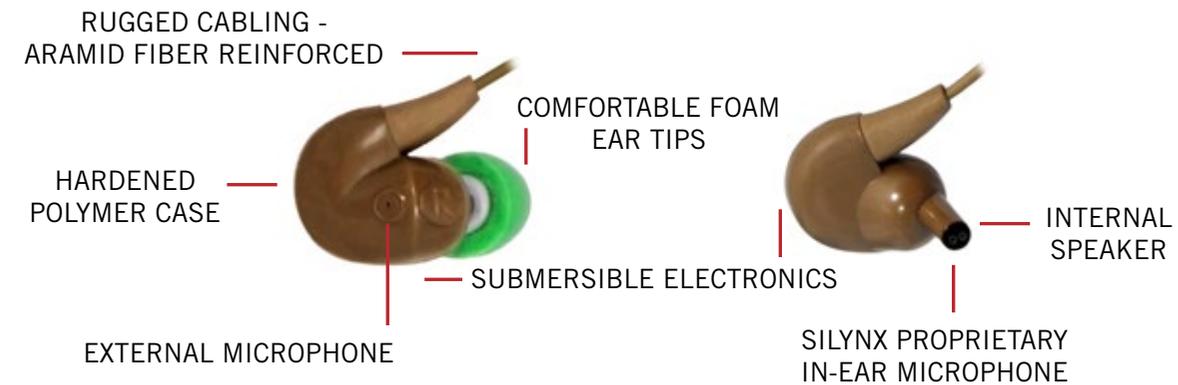
Silynx's unique earbud system, the Clarus, incorporates a proprietary in-ear microphone, and offers maximum capability and flexibility when two radios or wireless push-to-talk functionality is required. Egressing from SILYNX's highly compact oblique control box, are our proprietary quick disconnect (QDC) in the uplead and download, the operator and connect to SILYNX's range of headsets or others as required on the uplead and to virtually any communications devices on the download. In addition to accommodating most all headsets and radios in use today, this "smart" system also includes the wireless gateway to connect to our MWPTT or key fob wireless push-to-talk alternatives. CLARUS is has been the choice for military and law enforcement officers around the world for nearly a decade.

## FEATURES

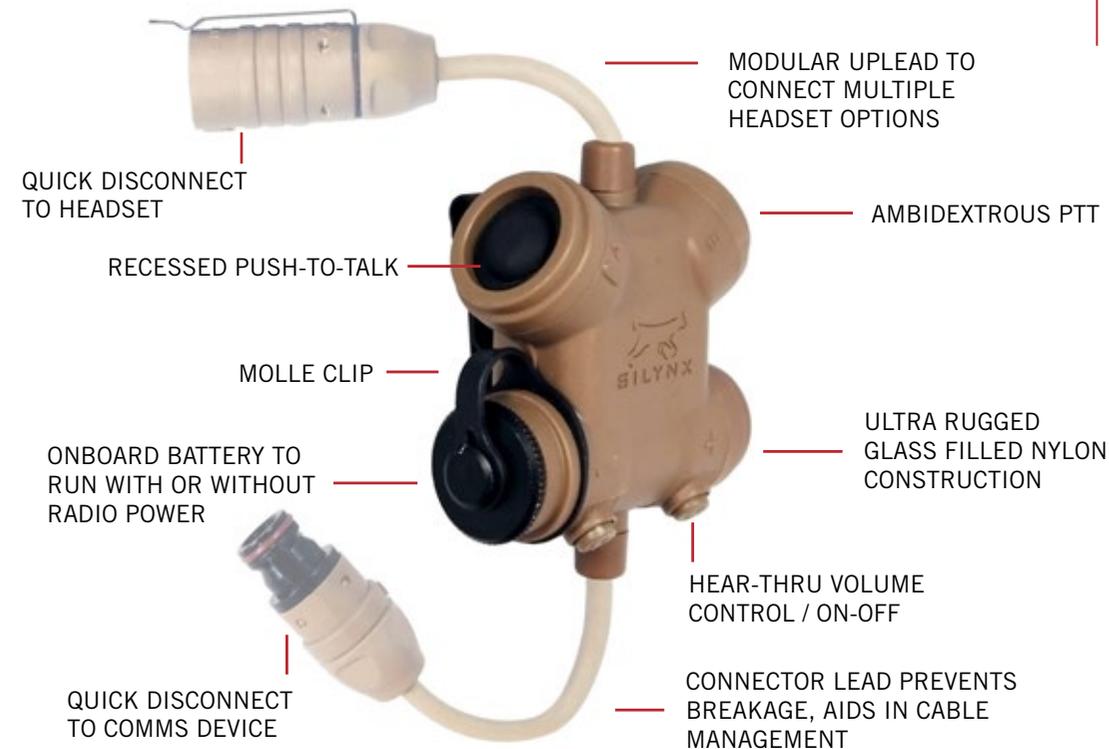
- 25 NRR / 31 SNR
- PUSH-TO-TALK PROFILE OPTIMIZED FOR WEIGHT AND EASE OF USE
- AMBIDEXTROUS PUSH-TO-TALK BUTTONS
- SUPPORTS UP TO TWO COMMUNICATION DEVICES



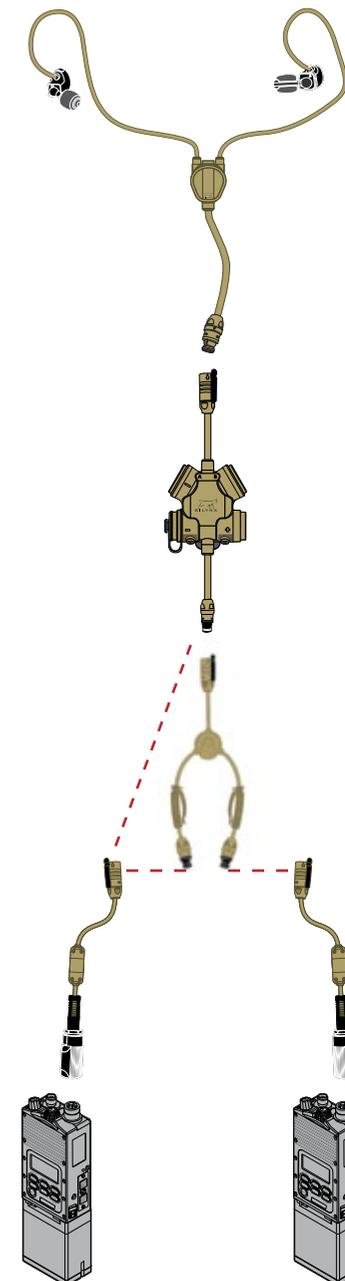
## HEADSET



## PUSH-TO-TALK CONTROL UNIT



## SAMPLE CONFIGURATION



# CLARUS XPR

Being highly capable yet affordable, CLARUS XPR is the industry's leading choice for law enforcement officers around the world. Incorporating SILYNX's oblique control box design—the industry's smallest and most durable ambidextrous push-to-talk unit—the CLARUS XPR comes in several options: a fixed headset, or QDC uploads and downloads for maximum flexibility. With the combination of the Lynx headset (or other headset in the QH model), and support for one radio or a radio and a smartphone, as well as full military grade ruggedization, the CLARUS XPR is ideal for all operational profiles.

## FEATURES



25 NRR / 31 SNR



MODULAR AND FIXED CABLE OPTIONS TO OPTIMIZE MODULARITY WITH AFFORDABILITY



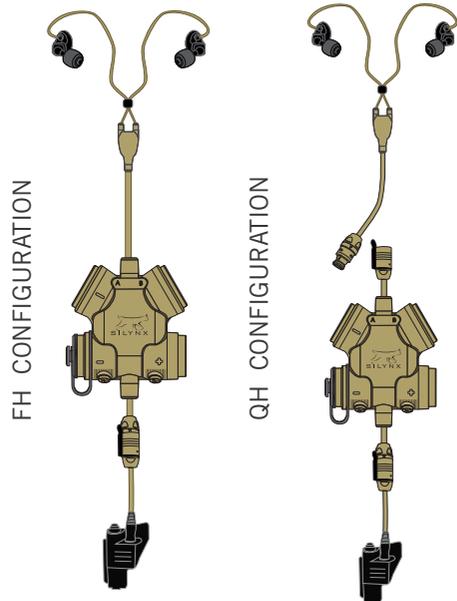
OPTIMIZED PUSH-TO-TALK PROFILE FOR WEIGHT AND EASE OF USE



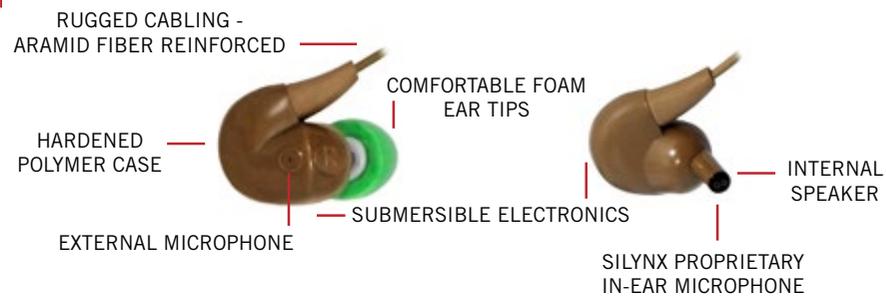
AMBIDEXTROUS PUSH-TO-TALK BUTTONS

SUPPORTS UP TO TWO COMMUNICATION DEVICES

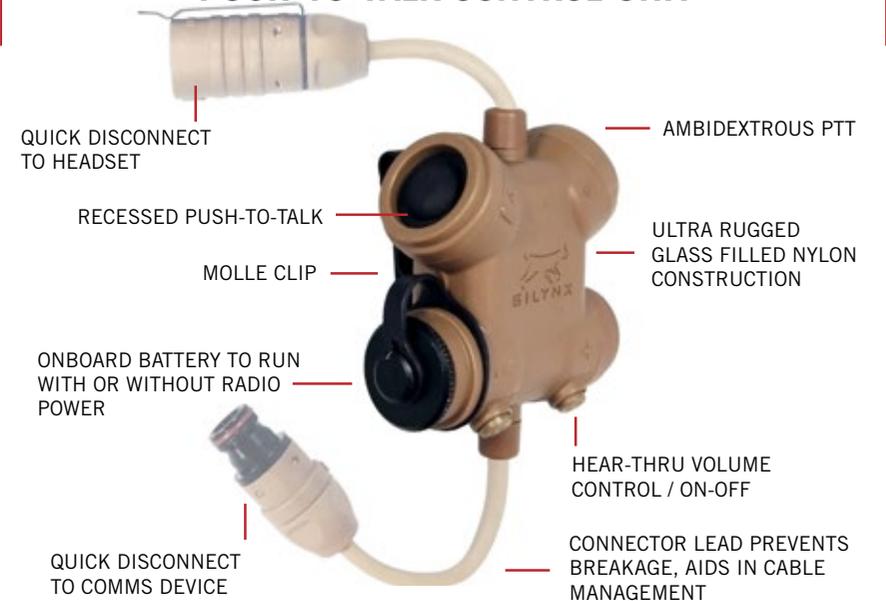
SAMPLE CONFIGURATION



## HEADSET



## PUSH-TO-TALK CONTROL UNIT



# CLARUS FX2

Leveraging the original CLARUS design and function, the CLARUS FX2 is an even simpler system for users looking for a single radio connection and a lower price point. The FX2 system has fixed leads throughout, provides battle-tested hearing protection, impulse and steady state noise control, and electronic hear-thru for full situational awareness. Dual push-to-talk button for ambidextrous operation.

## FEATURES



25 NRR / 31 SNR



FIXED CABLE DESIGN FOR SIMPLICITY AND AFFORDABILITY



SINGLE BUTTON POWER AND HEAR-THRU VOLUME



AVAILABLE IN DOUBLE AND SINGLE EAR BUD CONFIGURATION

SAMPLE CONFIGURATION



## HEADSET



## PUSH-TO-TALK CONTROL UNIT



HEADSET SYSTEMS

# COVERT KIT

The SILYNX covert Kit enables users to hide in plain sight, concealing all communication components under civilian clothing. The user and operational requirements determine whether to go fully covert, using the wireless ear piece, or semi-covert, with the acoustic ear tube. Multiple ear piece options are available. The unique wireless Key fob push-to-talk (PTT) allows for discreet communications, no matter how public the environment. All SILYNX Covert Kits operate with CLARUS or CLARUS XPR-QH systems.

## FEATURES



**INTERCHANGEABLE WIRELESS AND ACOUSTIC TUBE EAR PIECES**



**INDUCTIVE CONNECTIVITY**



**WIRELESS KEY FOB OPTION FOR UNDERCOVER WORK**

**COMPATIBLE WITH CLARUS SYSTEM**

## EAR PIECES

WIRELESS CONNECTION TO INDUCTION MODULE



HIDDEN, COMFORTABLE FIT INSIDE THE EAR

BATTERY CHAMBER

COMFORTABLE SILICONE EAR TIP



CONNECTS TO LAPEL MICROPHONE MODULE

## INDUCTION MODULE

QUICK DISCONNECT



COMBINATION INDUCTION MODULE AND LAPEL MICROPHONE

LAPEL PIN

## PUSH-TO-TALK KEY FOB

KEYCHAIN FOR EASY STORAGE



WIRELESS WITH SIMPLE PAIRING

PTT BUTTONS

DESIGN ALLOWS PTT TO HIDE IN PLAIN SIGHT

CUT THE KEY TO FIT YOUR CAR

SAMPLE CONFIGURATION

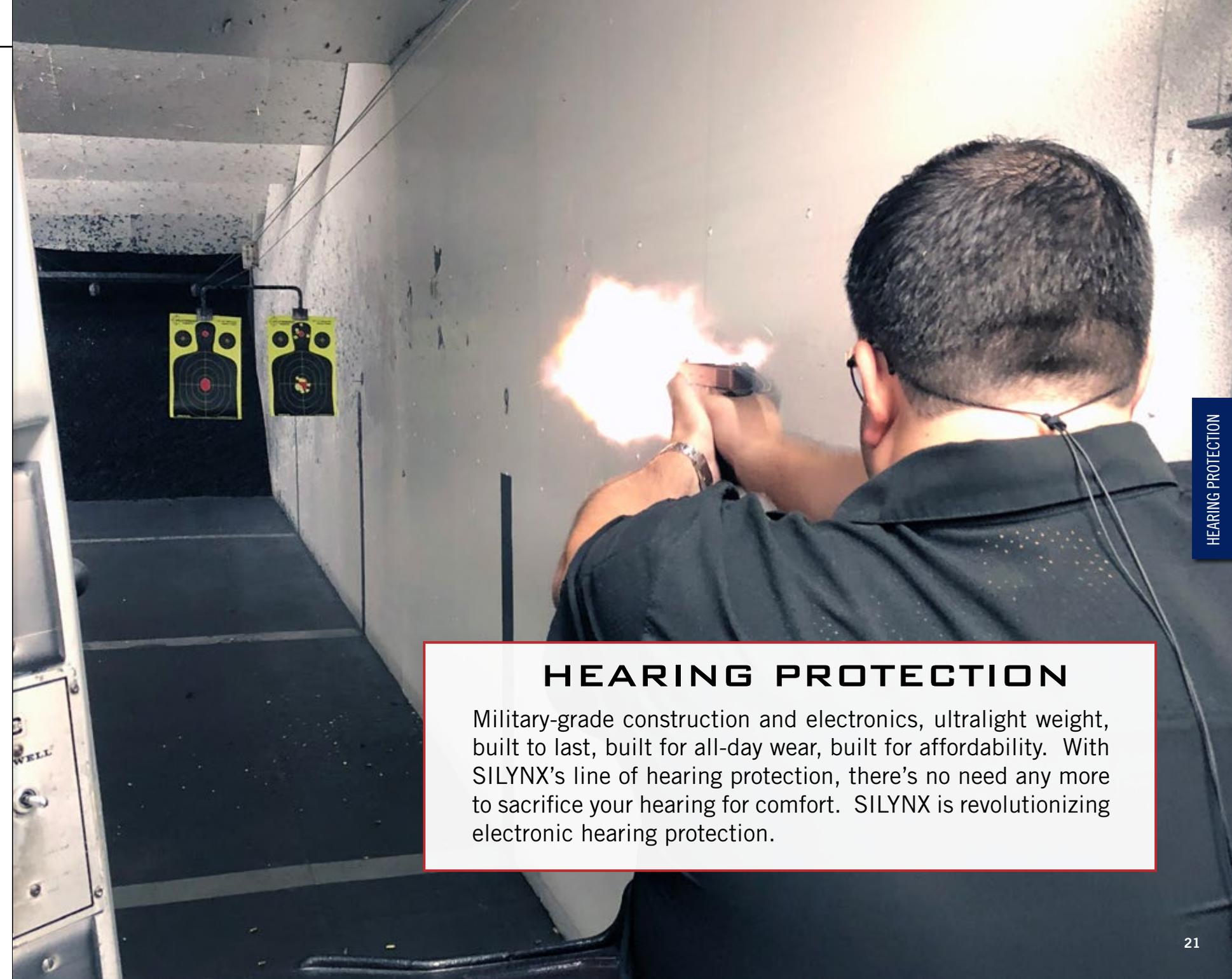
ACOUSTIC TUBE INDUCTION MODULE ASSEMBLY



WIRELESS EAR PIECE INDUCTION MODULE LAPEL MICROPHONE ASSEMBLY



WIRELESS KEY FOB PTT



## HEARING PROTECTION

Military-grade construction and electronics, ultralight weight, built to last, built for all-day wear, built for affordability. With SILYNX's line of hearing protection, there's no need any more to sacrifice your hearing for comfort. SILYNX is revolutionizing electronic hearing protection.

HEARING PROTECTION

# CLARUS PRO

The SILYNX CLARUS PRO has revolutionized electronic hearing protection. By incorporating the best of all features of all hearing protection—lightweight, comfort, ambient sound pass through, hearing enhancement, mobile device compatibility, retention, and affordability—the CLARUS PRO is sure to be “the new look of hear pro.”



## OVERVIEW

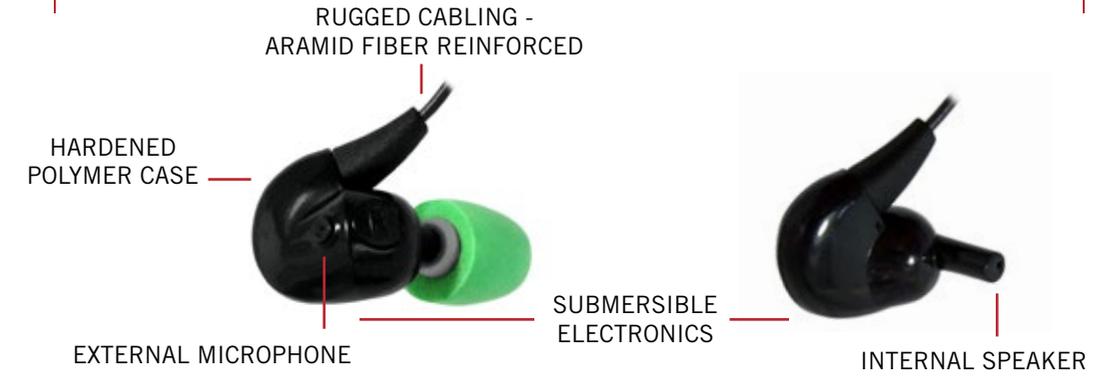
SILYNX leveraged its combat proven technologies to defy the convention that electronic hearing protection must be big and bulky or small and fragile. CLARUS PRO's combination of low-profile and hear thru (so you don't have to remove your hearing protection to talk to others), allows all-day wear whether you are on the range, in a factory or on a plane. SILYNX incorporated the military grade ear buds from the Lynx headset with a newly designed control box. CLARUS PRO is ruggedized to withstand dirt, mud, water, shock, and vibration and provides active hearing protection (NRR 25), hear-thru capability for situational awareness, and cellphone (iOS and Android) /mobile audio/FRS radio connectivity.

## FEATURES

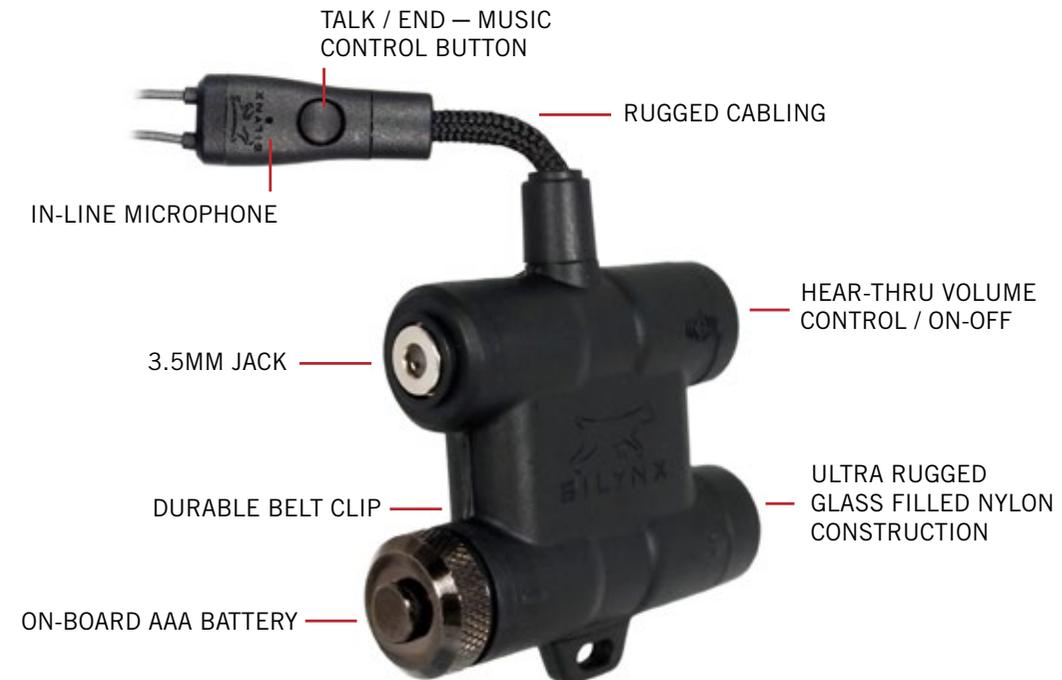
- 25 NRR / 31 SNR
- PROPRIETARY HEAR-THRU TECHNOLOGY TO MAINTAIN SITUATIONAL AWARENESS
- MILITARY GRADE, ENVIRONMENTALLY HARDENED
- SUBMERSIBLE
- MOBILE PHONE COMPATIBLE
- OMNI-DIRECTIONAL MICROPHONE FOR SOUND CLARITY IN NOISY ENVIRONMENTS



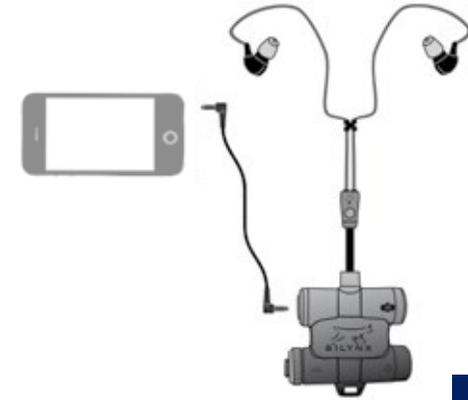
## HEADSET



## CONTROL UNIT



## PHONE CONFIGURATION



## RADIO CONFIGURATION



SAMPLE CONFIGURATION

HEARING PROTECTION

# CLARUS PRO LITE

CLARUS PRO LITE is an in-the-ear (ITE) electronic hearing protection / enhancement system built to operate in even the most rugged environments. CLARUS PRO LITE dampens harmful noise above 85dB while producing and enhancing ambient sounds up to 15dB. Combined with its lightweight, ultra low profile design, CLARUS PRO LITE can be worn all day on the range, in a factory or wherever, comfortably. CLARUS PRO LITE is low-profile and environmentally ruggedized to withstand the elements.

## FEATURES

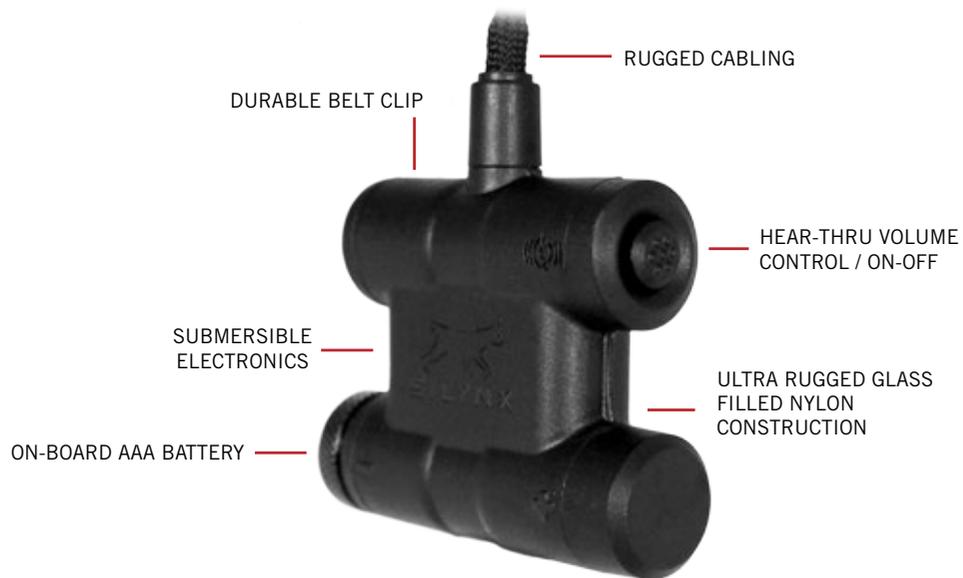
- 25 NRR / 31 SNR
- IN-EAR HEARING PROTECTION
- AMBIENT SOUND HEAR-THRU
- HEARING ENHANCEMENT
- MILITARY GRADE, ENVIRONMENTALLY HARDENED
- STANDARD AAA BATTERY POWERED



## HEADSET



## CONTROL UNIT



SAMPLE CONFIGURATION



## STAND-ALONE HEADSETS

SILYNX offers a wide variety of headsets that to support a multitude of applications. From the streets to noisy factories, and from covert operations to remote field operations, SILYNX's has put its experience and care for each customer's well-being into every headsets to provide reliable communications when you need it.

HEADSETS

# PANTHER

Panther in-the-ear tactical headset - the only Silyn timer headset to use bone conduction technology - is designed for operators who want to transition from circumaural "ear muffs" to an intra-aural headset using their existing push-to-talk system. Panther is designed for compatibility with any push-to-talk system that accommodates a TP120 Nexus jack, such as the U-94, from a variety of manufacturers or any other similar PTT configuration. Just remove your over-the-ear muffs from the U-94/PTT and plug in the Panther. That's all. No calibration or configuration required. Panther was built according to military specifications, just like all Silyn timer products.

## FEATURES

**ADAPTS TO ANY PTT WITH A NEXUS SOCKET**

**BONE CONDUCTION MICROPHONE TECHNOLOGY**

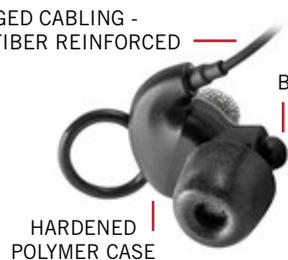
**PROPRIETARY HEAR-THRU TECHNOLOGY TO MAINTAIN SITUATIONAL AWARENESS**

**MILITARY GRADE, ENVIRONMENTALLY HARDENED**

**SUBMERSIBLE**

## EAR BUDS

RUGGED CABLING - ARAMID FIBER REINFORCED



HARDENED POLYMER CASE

BONE CONDUCTION RECEIVER



SUREFIT™ RING

EXTERNAL MICROPHONE WINDSCREEN ATTACHMENT

## CONTROL UNIT

ULTRA RUGGED GLASS FILLED NYLON CONSTRUCTION



HEAR-THRU VOLUME CONTROL / ON-OFF

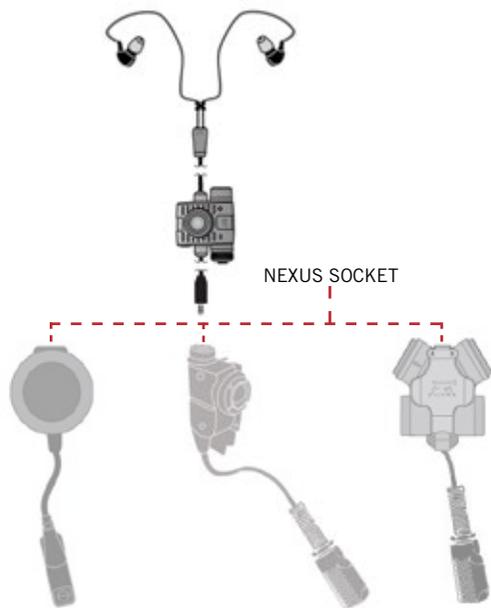
ONBOARD AAA BATTERY

TP120 NEXUS MALE CONNECTOR



RUGGED CABLING

SAMPLE CONFIGURATION



# TACTICAL WITH BOOM MIC

## EAGLE

The Eagle headset includes an ear cup to provide additional noise occlusion and maximum audio clarity. Silyn timer maritime headsets are submersible to 20m, comfortable, well made, lightweight and combat proven. They are specifically designed to meet the requirements of waterborne communications applications. Upon exiting from water the Eagle headset becomes a combat ground accessory with all its advantages.

**20M Submersible**  
Headband for Easy Donning  
Left Ear Cup Connects to Speaker  
Bendable Boom Mic

FOR USE WITH: OPTIMUS | CLARUS | XPR-QH



## HSI

HSI is a single-sided, vented cup boom microphone headset that simultaneously provides crystal clear radio audio with full situational awareness. HSI models include an integrated in-line push-to-talk (PTT) option or a Nexus/TP-120 jack for direct connection to U94 type PTTs deployed in the field. All HSI models incorporate a noise cancelling boom microphone for clear outgoing audio regardless of the ambient noise. In high noise environments, passive circumaural ear muffs can be worn directly over the HSI to attenuate dangerous noise while maintaining crystal clear communications.

**1M Submersible**  
Headband for Easy Donning  
Bendable Boom Mic  
In-Line PTT or Nexus Connector Options

FOR USE WITH: ALL PTT ACCOMODATING HEADSET WITH NEXUS JACK



## MICRO BOOM

Silyn timer's Micro Boom microphone is the smallest, lightest tactical boom mic available. Weighing less than an ounce, its unique design allows it to attach to helmet chin straps or a variety of locations on the end-user's kit. Its noise cancelling properties ensure that your voice is heard even in the noisiest environments. The Micro Boom is compatible with the Optimus, CLARUS, XPR, and backwards compatible with the C4OPS and H2OPS systems.

**Total Assembly Weight 72g**  
Connects to Auxiliary Portion of the Lynx and Stingray Headsets  
Uni-Directional Microphone  
Attaches to Chin Strap of Most Tactical Helmets

FOR USE WITH: OPTIMUS | CLARUS | XPR-QH





## JAGUAR

SILYNX's newest intra-aural headset incorporates a bone conduction microphone to provide clear radio communications in an ultra-small, lightweight form factor to provide a comfortable alternative to heavy circumaural "ear muffs." Like all SilynX intra-aural headsets, Jaguar provides 360° sound localization while compressing harmful noises to safe levels with 25 NRR hearing protection.

**Military Earbuds**  
**Bone Conduction Microphone**  
**NRR 25 / 31 SNR**

**FOR USE WITH: OPTIMUS | CLARUS**



## STINGRAY

Stingray headset is based on the original SILYNX design, but has evolved technologically to meet the strict requirements of today's operators. The ruggedized ear buds withstand all extreme environments, provide hear through and 25 NRR hearing protection, yet weigh less than 2 ounces each. Stingray headset incorporates an auxiliary jack in the cable splitter to accommodate ancillaries such as gas mask cables.

**Military Earbuds**  
**Total Assembly Weight 70g**  
**NRR 25 / 31 SNR**  
**Proprietary In-Ear Microphone**  
**Auxiliary Jack**

**FOR USE WITH: OPTIMUS | CLARUS**



## LYNX

The Lynx headset is based on the original SILYNX design, but has evolved technologically to meet the strict requirements of today's operators. The ruggedized ear buds withstand all extreme environments, provide hear through and 25 NRR hearing protection, yet weigh less than 2 ounces each.

**Ergonomic Earbuds**  
**Total Assembly Weight 70g**  
**NRR 25 / 31 SNR**  
**Proprietary In-Ear Microphone**

**FOR USE WITH: XPR-QH**



## MONO-LYNX

Lynx headsets are available in a single-sided model - MONO-LYNX - for situations where two ear-buds are not necessary. Used primarily by patrol officers and those who operate in suits, the single sided headset provides occlusion in only one-ear, yet still includes the in-ear microphone to provide clear communications without an external microphone.

**Single Left Earbud**  
**Total Assembly Weight 47g**  
**NRR 25 / 31 SNR**  
**Proprietary In-Ear Microphone**

**FOR USE WITH: OPTIMUS | CLARUS | XPR-QH**



## COVERT

SILYNX's acoustic tube adapts to any SilynX system with a uplead quick disconnect (QDC). The tube provides a nearly invisible form factor for incoming traffic monitoring. Used with a lapel microphone, the acoustic tube assembly is optimal for covert work when the most subtle ear piece is required.

**Clear Acoustic Tube**  
**Mushroom Ear Tip**  
**Lapel Mic With Inductive Option**  
**Connects to SilynX PTT Unit via Induction**  
**Cable With Lapel Pin**

**FOR USE WITH: OPTIMUS | CLARUS | XPR-QH**



## UNDERCOVER

SILYNX's undercover headset assembly is the best solution when two-way, hands free communications is required in an undercover environment. Connect the adaptor to a Clarus or XPR control box and socket takes any standard 3.5mm commercial smartphone headset. It looks like you're listening to music when you are actually communicating with your team.

**Connect a Civilain Headset to a SILYNX PTT Control Unit**

**FOR USE WITH: OPTIMUS | CLARUS | XPR-QH**





## PUSH-TO-TALK UNITS

SILYNX's sole focus on tactical headsets has created an unmatched understanding of the essential nature of the push-to-talk control unit that is central to any headset system. SILYNX optimized the push-to-talk unit to maximize functionality while minimizing size and weight without affecting operational use in high-stress situations. SILYNX's array of wireless push-to-talk alternatives enable radio activation while "on gun" or in under-cover situations. SILYNX knows your mission and provides the solution.

# CHEST PTT FOR PUBLIC SAFETY

**NEW!**

The Public Safety Chest PTT For Hazmat Suit offers a unique solution to industrial, fire and rescue workers, and others who are required to wear body suits for protection while they work. The cable allows users to adapt their SILYNX headset system for their specific operational needs. The large chest PTT button clips onto the operator's clothes under the suit, and is large enough to easily press over the suit with large gloves and gross motor skills.

## FEATURES



ADAPTS TO ANY SILYNX MODULAR PTT

LARGE PTT BUTTON WITH CLIP FOR EASE OF USE UNDER HAZMAT SUITS



ADDED CABLE LENGTH FOR USER PREFERENCE POSITIONING

MILITARY GRADE, ENVIRONMENTALLY HARDENED

SUBMERSIBLE

## CABLE ADAPTOR + PTT

QUICK DISCONNECT CONNECTOR

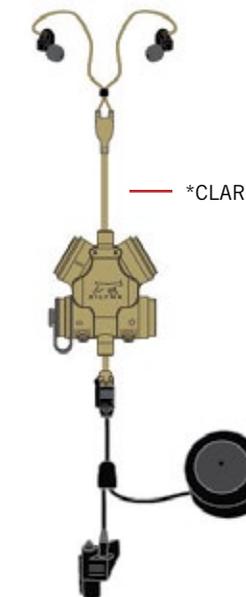
BACK CLIP

RUGGED CABLING - ARAMID FIBER REINFORCED

PTT BUTTON

FIXED RADIO CONNECTOR

SAMPLE CONFIGURATION



\*CLARUS XPR-FH shown

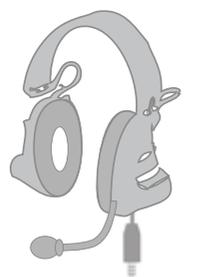
# U94

The SILYNX U94 series of push-to-talk (PTT) units are rugged, light-weight, single radio PTTs for use with any headset incorporating the TP-120 / Nexus series 7mm connector. SILYNX has designed its U94 family to be the most affordable on the market while maintaining all quality and reliability in construction and performance.

## FEATURES

- LEFT / RIGHT HANDED PTT
- FEMALE NEXUS JACK
- FIXED RADIO CONNECTOR
- SUBMERSIBLE TO 1M
- OPTIONAL GAS MASK JACK

SAMPLE CONFIGURATION



## PUSH-TO-TALK UNIT



# WIRELESS PUSH-TO-TALK

The SILYNX Micro Wireless Push-to-Talk (MWPTT) enables users to remotely and wirelessly key radios when paired with an OPTIMUS or CLARUS system. Waterproof and durable, it is ideal for rugged tactical environments — when taking hands off the rifle is not an option. The key fob PTT looks identical to a standard car remote key fob; you can even actually use the key. It also pairs with the OPTIMUS and CLARUS systems but is designed to be used in covert or undercover operations.

## MICRO WIRELESS PUSH-TO-TALK

### FEATURES

- PAIRS WITH CLARUS VIA HIGHLY SECURE BLUETOOTH CONNECTION
- ATTACHES TO ALL STANDARD PICATINNY RAILS
- SUBMERSIBLE TO 1 METER
- INTERNAL AAA BATTERY
- OPTIONAL FINGER PTT
- SIMPLE WIRELESS PAIRING TO CLARUS / OPTIMUS PTT CONTROL UNIT

SAMPLE CONFIGURATION



## KEY FOB PUSH-TO-TALK

### FEATURES

- BLUETOOTH CONNECTIVITY
- SUBMERSIBLE
- COVERT USAGE
- SIMPLE PAIRING
- KEY UP TO TWO RADIOS

SAMPLE CONFIGURATION



PUSH-TO-TALK



## CABLES & ACCESSORIES

SILYNX offers a full suite of accessories to further enhance the SILYNX in-ear systems. Accessories include an extensive array of adaptors to connect headsets to a multitude of radios and other communications devices, comfort items such as foam tips, as well as storage containers and pouches.

# ADAPTOR CABLES

RADIO

IDENTIFIER	DESCRIPTION	COLOR
CA0004	XTS / MTS / ASTRO PX502A	● ●
CA0005	PRR SIDE CONNECTOR (SWITCH BOX)	● ●
CA0035	MBITR / PRC117 / 152 20M IMMERSIBLE 10 PIN	● ●
CA0117	MOTOROLA APX / XPR SERIES	● ●
CA0118	PNR500	● ●
CA0128	MBITR / PRC117 / 152 6 PIN	● ●
CA0137	6 PIN HIROSE (XG-100 / UNITY / TAIT)	● ●
CA0148	MOTOROLA HT1250 / HT1500 XLS / HT750 / MTP750 / GP460	● ●
CA0185	JAGUAR P5300 / P5400 / P5500 / P7300 / HARRIS XG-75	● ●
CA0191	MOTOROLA MTP850 (BOTTOM CONNECTOR)	● ●
CA0192	RF7800S	● ●
CA0199	LEMO 5 PIN	● ●
CA0200	AMPHENOL PCD 7 PIN CIRCULAR MIL SPEC	● ●
CA0202	NX300 KENWOOD / TK5210	● ●
CA0208	YAESU / VERTEX 1 PIN RIGHT ANGLE 3.5MM (VTX-354-G6-6)	● ●
CA0213	PRG4	● ●
CA0218	VERTEX VX537 / VX530	● ●
CA0219	VERTEX VX280/VX821/VX824/VX829/VX920/VX921/VX924/VX929	● ●
CA0277	SILVUS US / HIROSE 6 PIN LF07-WPB-65	● ●
CA0083	TETRAPOL TPH-700	●
CA0203	A-COM JAGUAR 700P / P5100/P5130/P7100/P7150/P7170/P7200	●
CA0211	KENWOOD TK-3170	●
CA0212	ICOM F3161DT/T	●
CA0216	SP3 FOR SEPURA STP8038	●
CA0280	SEPURA AIRWAVE	●
CA0249	HYTERA X1P/X1E	●
CA0250	MOTOTURBO SI4010, 2.5MM	●
CA0238	MH230 MOTOROLA, 3.5MM POLE	●

DON'T SEE YOUR RADIO? CONTACT US!

ACCESSORIES

	IDENTIFIER	DESCRIPTION	COLOR
PRO	CA0259	BENDIX KING KNG150	●
	CA0256	BENDIX KING GHP/COMMANDER	●
	CA0300	ERICSSON LPE200	●
	CA0123	MOTOROLA GP388	●
	CA0194	KENWOOD TWO PIN FOR CLARUS PRO	●
	CA0238	MOTOROLA MH230 FOR CLARUS PRO	●
	CA0117	MOTOROLA APX SERIES FOR CLARUS PRO	●
	LV-K-002-00	LOW-VIS CIVILIAN HEADSET ADAPTOR AND KEY FOB PTT	●
	CA0197	CIVILIAN HEADSET ADAPTOR	●
	CA0291	RAC-1 EAR MUFF HEADSET ADAPTOR	●
HEADSET	CA0196	GAS MASK ADAPTOR	●
	CA0015	PELTOR / SORDIN HEADSET ADAPTOR - STANDARD WIRING	●
	CA0015	PELTOR / SORDIN HEADSET ADAPTOR - NATO WIRING	●
	CA0059	SPECIAL COMMS (3.5MM)	● ●
	CA0095	MOBILE PHONE ADAPTOR	● ●
SPECIALTY	CA0175	DUAL COMMS SPLITTER	● ●
	CA0297	CBP CIVILIAN / MILITARY HELO ICS ADAPTOR	● ●
	CA0006	HELICOPTER INTERCOM (HELO)	● ●
	CA0008	VEHICLE INTERCOM SYSTEM (VIS)	● ●
	BAT-201	MBITR SINGLE BATTERY SPLITTER	●
BATTERY	BAT-003	MBITR DUAL BATTERY SPLITTER	●
	BATAD5590-001	MBITR / 152 BA5590 BATTERY ADAPTOR	●
	BATAD5590-002	TWO BA5590 ADAPTOR FOR ONE MBITR / 152 RADIOS	●
	BATAD5590-003	ONE BA5590 ADAPTOR FOR TWO MBITR / 152 RADIOS	●

## DUAL COMMS SPLITTER



Dual Comms Splitter Cable for use with Clarus / XPR to enable dual comms applications.

## HELICOPTER ADAPTOR



Helicopter Intercom Adaptor Cable connects Optimus / Clarus / XPR control boxes to most military helicopter intercom systems. Proprietary design matches impedance to military or civilian systems with the flip of a switch.

## CHEST PTT FOR PUBLIC SAFETY



Allows users additional PTT accessibility under Hazmat suits and other restrictive protective gear.

## VEHICLE INTERCOM SYSTEM



Adaptor Cable to connect Optimus / Clarus / XPR control box to most military vehicle intercom systems (VIS). Integrated switch enables PTT or open mic functionality.

## SMART PHONE ADAPTOR



Cell phone cable adaptor to connect Optimus / Clarus / XPR to any standard iOS or Android phone, as well as to other audio devices with a 3.5mm socket, e.g., MP3 players.

## CIRCUMAURAL HEADSET ADAPTOR



Adapts the Optimus / Clarus / XPR PTT Control Box uplead to any headset with a TP125 / Nexus male connector. This adaptor is highly popular with those operators who want to use their traditional circumaural headset with SilynX PTT Control system down to the radio.

**NEW!**

## FOAM EAR TIPS



WITH NEW MESH PROTECTIVE BARRIER™

## WATERPROOF STORAGE CASE



## HEADSET ACCESSORIES



OVER THE EAR  
RETAINERS



WINDSCREENS

## APPAREL & GEAR



	HSI		OPTIMUS	CLARUS / FORTIS	CLARUS XPR	CLARUS FX2
<b>ACOUSTICAL RESPONSE</b>	Speaker Freq Spectrum	60-10,000Hz	60-10,000Hz	60-10,000Hz	60-10,000Hz	60-10,000Hz
	Sound Pressure Level	>115 dB	>115 dB	>115 dB	>115 dB	>115 dB
	Max Audio Input Level	5Vp-p	5Vp-p	3Vp-p	3Vp-p	5Vp-p
	Mic Freq Range	60-9,000Hz	60-9,000Hz	60-9,000Hz	60-9,000Hz	60-9,000Hz
	Audio Input Type	Single-ended or Differential	Single-ended or Differential	Single-ended or Differential	Single-ended or Differential	Single-ended
	Audio Output Level	>3mVrms, 600Ω	>3mVrms, 600Ω	>3mVrms, 600Ω	>3mVrms, 600Ω	>3mVrms, 600Ω
<b>HEAR-THRU SYSTEM</b>	Impulse Noise Protection Extended Sound Localization		Impulse Noise Protection Extended Sound Localization	Impulse Noise Protection Extended Sound Localization	Impulse Noise Protection Extended Sound Localization	Impulse Noise Protection Extended Sound Localization
<b>ATTACK TIME</b>	<1MS		<1MS	<1MS	<1MS	<1MS
<b>ENVIRONMENTAL</b>	Operating Temp	-40°C to +72°C	-46°C to +72°C	-40°C to +72°C	-40°C to +72°C	-40°C to +72°C
	Storage Temp	-40°C to +72°C	-46°C to +72°C	-40°C to +72°C	-40°C to +72°C	-40°C to +72°C
	Humidity	95%	95%	95%	95%	95%
	Immersion (Control Box)	20M for 30 Min	20M for 30 Min	20M for 30 Min	20M for 30 Min	1M for 30 Min
	Immersion (In-Ear Headset)	1M for 30Min	1M for 30Min	1M for 30Min	1M for 30Min	1M for 30Min
<b>DIMENSIONS</b>	2.4" W x 2.6" L x 1.0" H		2.4" W x 2.6" L x 1.0" H	2.2" W x 2.1" L x 0.9" H	2.2" W x 2.1" L x 0.9" H	2.2" W x 2.1" L x 0.9" H
<b>WEIGHT</b>	Control Box	70g	205g (excluding battery)	119g (excluding battery)	119g (excluding battery)	119g (excluding battery)
	Headset	100g	70g	70g	70g	70g
<b>BATTERY LIFE EXPECTANCY</b>	Powered from radio at 5V, 15mA		Internal: 48 Hours AAA Powered from radio at 5V, 15mA	Internal: 40 Hours AAA Powered from radio at 5V, 8mA	Internal: 40 Hours AAA Powered from radio at 5V, 8mA	Internal: 40 Hours AAA Powered from radio at 5V, 8mA
<b>HEAR-THRU</b>	YES		YES	YES	YES	YES
<b>HEADSET LEAD</b>	FIXED		MODULAR	MODULAR	MODULAR OR FIXED	FIXED
<b>COMM LEAD</b>	FIXED		MODULAR	MODULAR	MODULAR	FIXED
<b># OF COMMS</b>	UP TO 2 RADIOS		UP TO 3 RADIOS	UP TO TWO RADIOS AND/OR PHONE	1 RADIO OR 1 RADIO + 1 PHONE	1 RADIO
<b>POWER SOURCE</b>	Radio		AAA, RADIO	AAA, Radio	AAA, Radio	AAA, Radio
<b>SUPPORTS WIRELESS PUSH-TO-TALK</b>	YES		YES	YES	NO	NO

# SPECIFICATIONS



	CLARUS PRO / PRO LITE		PANTHER	COVERT KIT		U94	WIRELESS PUSH-TO-TALK
<b>ACOUSTICAL RESPONSE</b>	Speaker Freq Spectrum Sound Pressure Level Receiver Type Microphone Type	60-15,000Hz >115 dB Dual Balanced Armature Noise Cancelling Electret	60-15,000Hz >115dB Dual Balanced Armature Noise Cancelling Electret	Audio Freq Spectrum Impedance Max Audio Input Acoustical output Max Power Output Max Acoustic Gain Frequency Range	300-3,000Hz 31 ohms @ 500Hz 5Vp-p >90 dB SPL 108dB @ 3,000Hz 44 dB 150-8,000Hz	Input Voltage Min, 4v Input Voltage Max, 12v Input Current, 35mA Two-Way radio Interoperability: PRC152, PRC148, PRC154 Thales JEM, Motorola XTS	N/A
<b>HEAR-THRU SYSTEM</b>	Impulse Noise Protection Extended Sound Localization		Impulse Noise Protection Extended Sound Localization	N/A	N/A	N/A	Impulse Noise Protection Extended Sound Localization
<b>ATTACK TIME</b>	<1MS		<1MS	N/A	N/A	N/A	N/A
<b>ENVIRONMENTAL</b>	Operating Temp Storage Temp Humidity Immersion	-20°C to +55°C -40°C to +72°C 95% 1M for 30 Min	-40°C to +72°C -40°C to +72°C 95% 1M for 30 Min	-40°C to +72°C -40°C to +72°C 95% 1M for 30 Min	-31°C to +70°C -40°C to +75°C 95% 2M for 30 Min	-31°C to +70°C -40°C to +75°C 95% 20M for 2Hr	
<b>DIMENSIONS</b>	2.2" W x 1.7" L x 0.6" H		2.2" W x 1.7" L x 0.6" H		1.7" W x 2.5" L x 1.0" H	1.35" W x 2.5" L x 0.8" H	
<b>WEIGHT</b>	70g (excluding battery)		70g (excluding battery)	Wireless Ear Piece 1g (excluding battery) Key FOB PTT 45.3g	150g	44.38g (including battery)	
<b>BATTERY LIFE EXPECTANCY</b>	Internal: 40 Hours AAA Operating Power, 1.5v AAA		Internal: 40+ Hours AAA Operating Power, 1.5v AAA	Wireless Ear Piece: 1.4v Battery, 100Hr Key FOB PTT: 12V 27A, 100 Hr	N/A	Internal: 40 Hours AAA Operating Power, 1.5v AAA	
<b>HEAR-THRU</b>	YES		YES	N/A	NO	N/A	
<b>HEADSET LEAD</b>	FIXED		MODULAR	WIRELESS	NEXUS SINGLE COMM JACK	N/A	
<b>COMM LEAD</b>	PRO PRO LITE	MODULAR N/A	N/A	MODULAR	MODULAR	N/A	
<b># OF COMMS</b>	PRO PRO LITE	ONE RADIO OR PHONE N/A	UP TO 2	UP TO TWO RADIOS AND/OR PHONE	1 RADIO OR 1 RADIO + 1 PHONE	N/A	
<b>POWER SOURCE</b>	AAA		AAA	1.4V, 12V 27A	Radio	AAA	
<b>WIRELESS</b>	N/A		N/A	Protocol: ZigBee 2006, Range: 2m	N/A	Protocol: ZigBee 2006, Range: 2m	

## DEALERS

SILYNX is proud to work with a number of authorized dealers and distributors around the world. For a full list of SILYNX dealers visit [www.SILYNXcom.com](http://www.SILYNXcom.com).

**Interested in becoming a SILYNX Dealer?**  
**Fill out our online application @**  
[www.silynxcom.com/contact/dealer-applications](http://www.silynxcom.com/contact/dealer-applications)

## CONTACT US

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**PHONE:**  
 866.325.1731

## SILYNX TRAINER PROGRAM

Are you a firearms instructor or trainer? SILYNX has a program just for you! The Silynx Instructor / Trainer Incentive Program (SITIP) allows you to provide your students, friends, and family with a discount on Silynx hearing protection and products.

Visit [www.SILYNXcom.com/silynx-trainer-program/](http://www.SILYNXcom.com/silynx-trainer-program/) for more details!

## LIMITED WARRANTY

Silynx Communications, Inc. warrants that this product will be free from defects in design, material, and workmanship during normal use for a period of one (1) year from the date of product purchase. This warranty shall extend only to the buyer on the original receipt and may not be transferred to any other party. This warranty is valid only when and if:

- (a) Written notice of the product failure is received within the warranty period;
- (b) The product is properly packed and returned by the buyer; and
- (c) The product has not been subjected to misuse, neglect, improper use, accident, acts of war, or any unauthorized modification, repair, or alteration, as determined solely by Silynx Communications, Inc.

This warranty excludes consumable items such as ear retainers, foam ear plugs, batteries, and similar items. During the warranty period, the exclusive obligation of Silynx Communications, Inc. shall be limited to repair or replacement of any defective part or parts, or a full refund of the price originally paid for the product, based on the sole discretion of Silynx Communications, Inc. There are no other warranties, either express or implied, and in no event shall Silynx Communications, Inc. be liable for any losses or damages caused by floods, lightning, other acts of nature, or any Force Majeure.



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