



S I L Y N X
PRODUCT GUIDE

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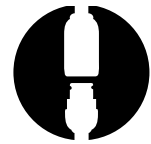
ICON LEGEND



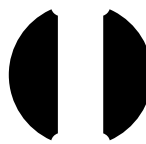
NUMBER OF RADIO CONNECTIONS



CELL PHONE COMPATIBLE



MODULAR RADIO LEAD



FIXED RADIO LEAD



WIRELESS CAPABLE



SUBMERSIBLE



OUR MISSION

SILYNX Communications is a world leader in tactical, in-ear hearing protection and communications systems. Our mission is to provide the highest quality ruggedized products to meet the full range of hearing protection, communications, and audio needs of all users, from the warfighter and law enforcement officer to the active outdoorsmen and industrial worker.



WHY IN-EAR?

OVERVIEW

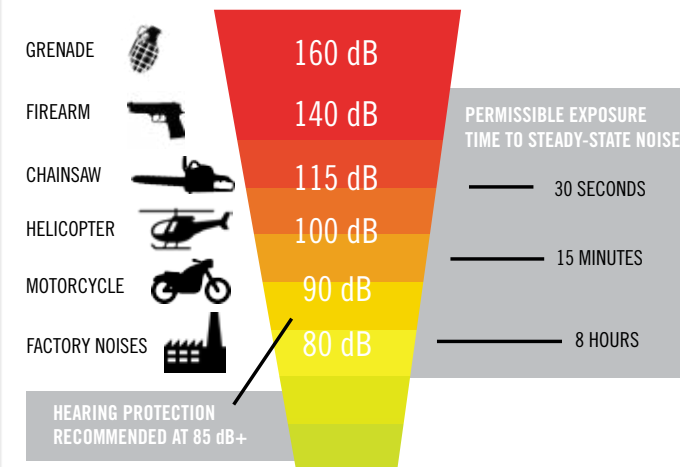
Generally speaking, when selecting a headset or hearing protection, there are two primary paths: passive or electronic, over-the-ear (OTE) or in-the-ear (ITE). For nearly 15 years SILYNX has specialized in electronic in-ear systems. SILYNX has done this for one reason... because we feel that this is the superior solution.

Here's why.

PASSIVE VS. 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; 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 is more expensive, but for a few extra dollars you get 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 and 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, eyewear and your rifle stock
- Hot and uncomfortable in most environments
- Susceptible to moisture build up



ELECTRONIC OVER-THE-EAR VS. IN-THE-EAR

Next, 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. Proven on the battlefield, on the streets, and outdoors everywhere.

WHY SILYNX?

SILYNX Communications has dedicated its business to manufacturing systems that provide communications, hearing protection, and hearing enhancement in a 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.

It started with the introduction one of the industry's first in-the ear (ITE) C4OPS 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 mic, lapel mics, and speaker mics, and replaced it with a microphone about the size of a pin. That microphone is integrated into the stem of the SILYNX ear bud. That stem and microphone sit in the ear canal of the user. The in-ear mic senses your voice, and converts that sound into electronic voice transmission out the radio. In addition to eliminating the need for any external microphone, this technology also means that voice communications with a donned CBRN 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. More specifically 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 your situation.

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 without having to change out the core system. 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 noises 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 through 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.

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.



PRO - BLUETOOTH



We listened to input from our customers, trainers, and pro staff, and added a blue tooth module into the CLARUS PRO control box, eliminating the need for the audio cable. Also USB rechargeable, the CLARUS PRO BT affords full protection, enhancement, communications, and audio in the most advanced CLARUS PRO model yet. Of course, like all our products, CLARUS PRO BT is fully ruggedized for maximum performance in the most rugged environments.



PRO - LITE



CLARUS PRO LITE incorporates all the quality, technology, military-grade ruggedization and advanced hearing enhancement and protection of the CLARUS PRO, but we removed the communications features for a system designed exclusively for hearing protection purposes. Protection from within for the budget-minded user or the user who doesn't need to connect to a communications device.



PRO - RECHARGE



Hearing protection, enhancement, and communications in a rechargeable package. CLARUS PRO Recharge utilizes the audio to double as the recharging port. Simply plug the USB-audio jack adaptor cable into a power source and keep your system powered for hours of continuous use. Then after you are done charging, plug in your smart phone or FRS radio to communicate or listen to audio entertainment. Environmentally hardened, don't be afraid to carry with you on your business or on your most rugged adventures.



HSE



CLARUS HSE is a unique electronic in-the-ear hearing protection headset that has been mechanically designed to be worn on a hard hat, ball cap or other headgear. With SILYNX's proprietary Hear-Thru technology, this product is ideal for those who need hearing protection for long periods of time. The ultra lightweight (4g) earbuds provide 25NRR hearing protection; being nicely flush in the user's "concha bowl" they remain comfortable throughout the day and do not interfere with head gear or protective eyewear.

FRS CABLES



Upgrade your CLARUS PRO with an FRS radio adaptor cable. This cable allows users to connect CLARUS PRO to most any FRS radio or patrol speaker microphone unit through the use of a push-to-talk button on the adaptor cable. PTT button attaches anywhere via velcro and cable clips.

DUAL COMMS SPLITTER COMPACT



The Dual Comms Splitter Compact is an update of our traditional Dual comms Splitter. This cable connects the control box directly to one or two radios without intermediate SILYNX quick disconnect connectors in between. The reduces the length of cable between the control box and the radio. Dual Comms Splitter Compact is for use with CLARUS / XPR systems.



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.

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

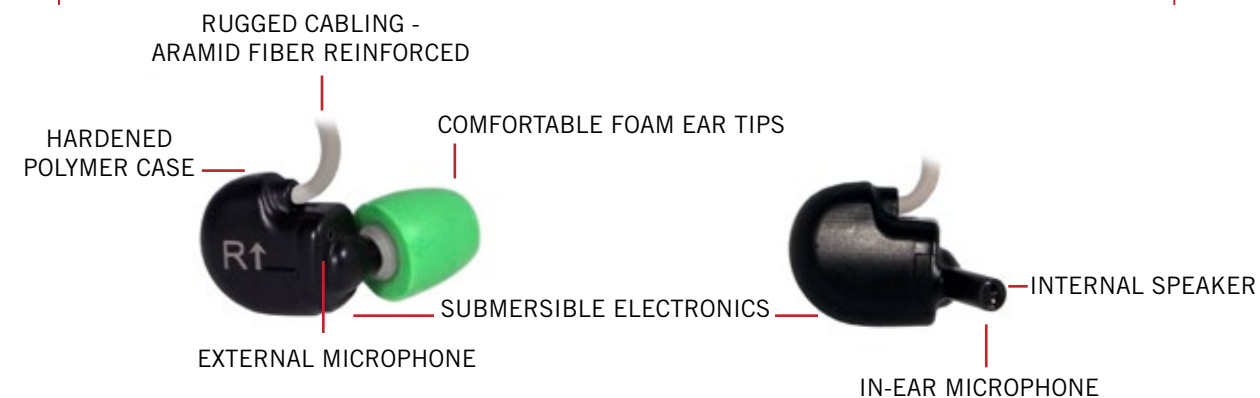
Optimus includes a multitude of features that maximize the operator's capabilities. The ability to control radio volume and channels from the PTT control box, mounting clips attached to either face of the unit for ambidextrous use or to accommodate other equipment on the vest. With the flexible and programmable 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

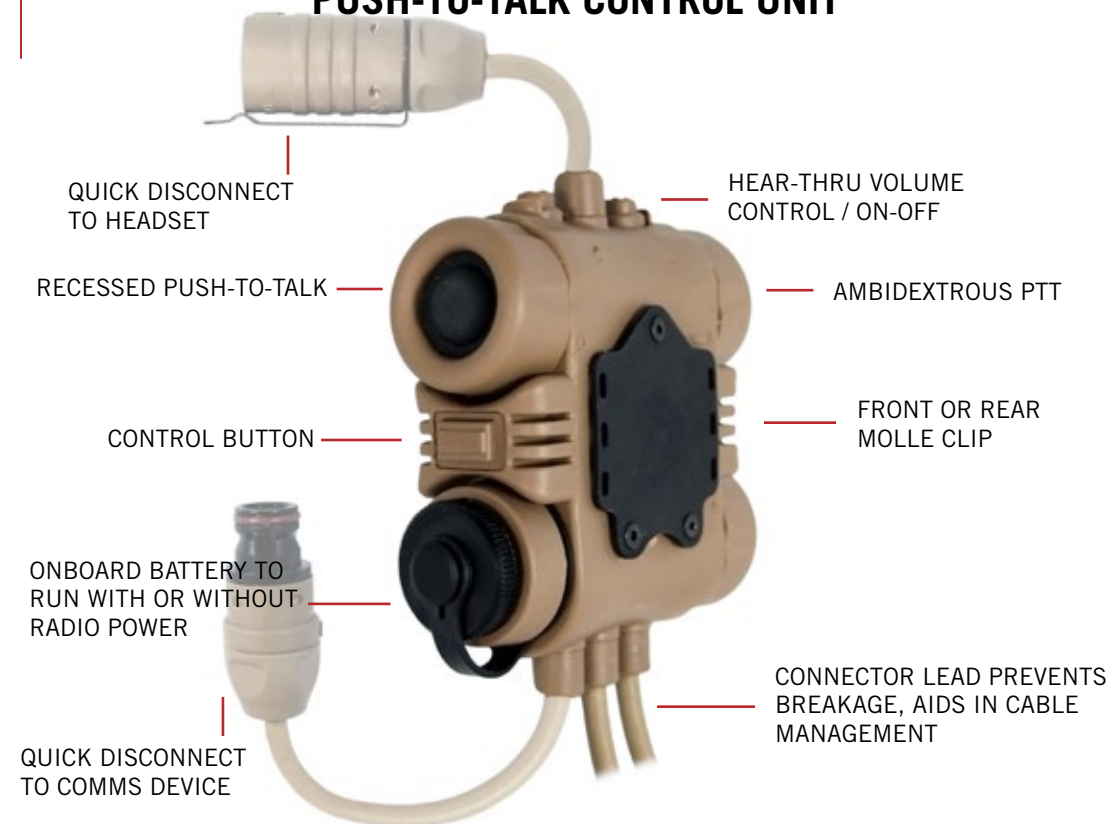
- 25 NRR / 31 SNR
- PROGRAMMABLE PTT ASSIGNMENT
- MONITOR UP TO 4 NETS
- CUSTOMIZABLE SOFTWARE OPTIONS
- FULLY MODULAR FOR VARIOUS MISSION PROFILES
- CONNECTS TO RADIOS, INTERCOM SYSTEMS, AND SMART PHONES



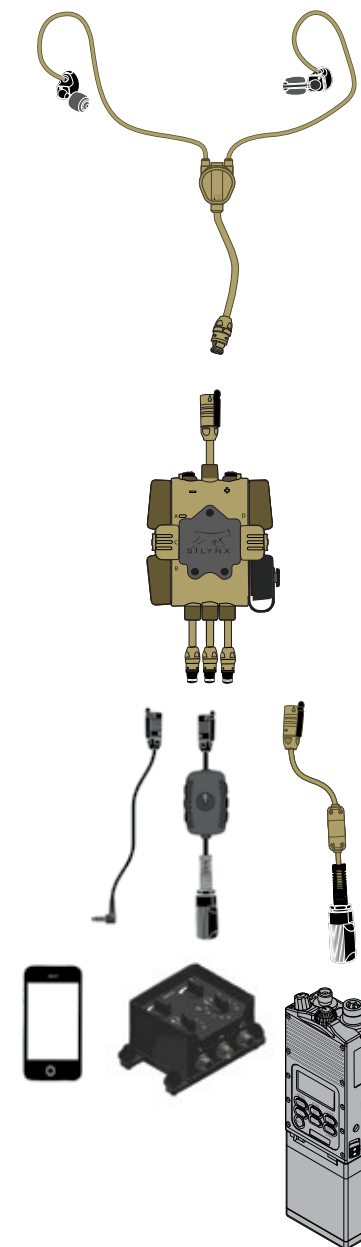
HEADSET



PUSH-TO-TALK CONTROL UNIT



SAMPLE CONFIGURATION



HEADSET SYSTEMS

CLARUS

The SILYNX CLARUS offers premium functionality and capability in the world's smallest and lightest tactical headset system on the market today.



OVERVIEW

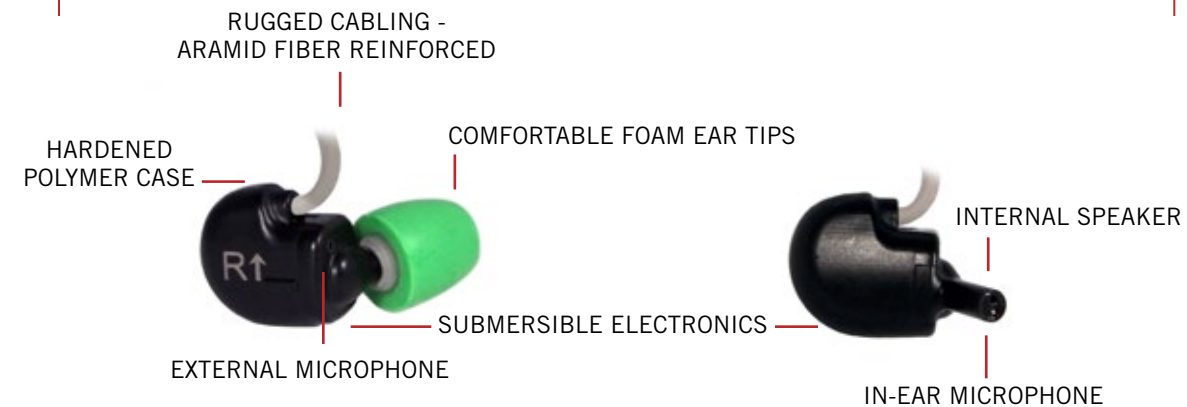
Clarus offers maximum capability and flexibility when two radios or wireless push-to-talk functionality is required. Egressing from SILYNX's highly compact oblique control box, are our proprietary quick disconnect (QDC) in the uplead and download, the operator and connect to SILYNX's range of headsets 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

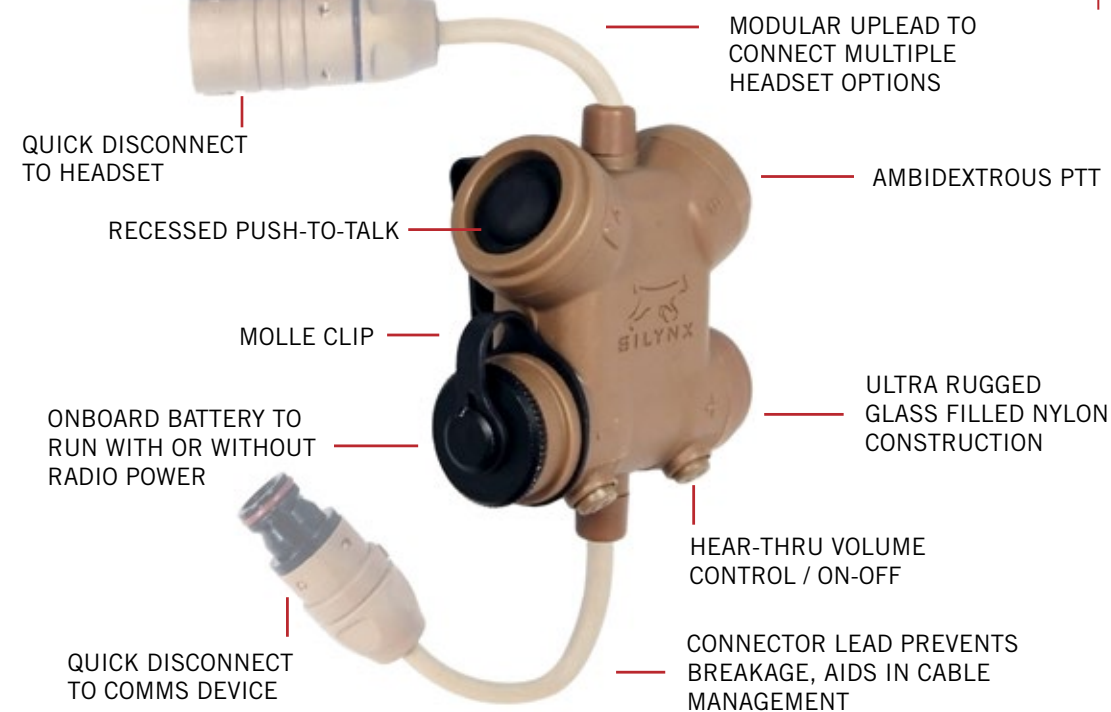
- 25 NRR / 31 SNR
- OPTIMIZED PUSH-TO-TALK PROFILE FOR WEIGHT AND EASE OF USE
- AMBIDEXTROUS PUSH-TO-TALK BUTTONS
- SUPPORTS UP TO TWO COMMUNICATION DEVICES



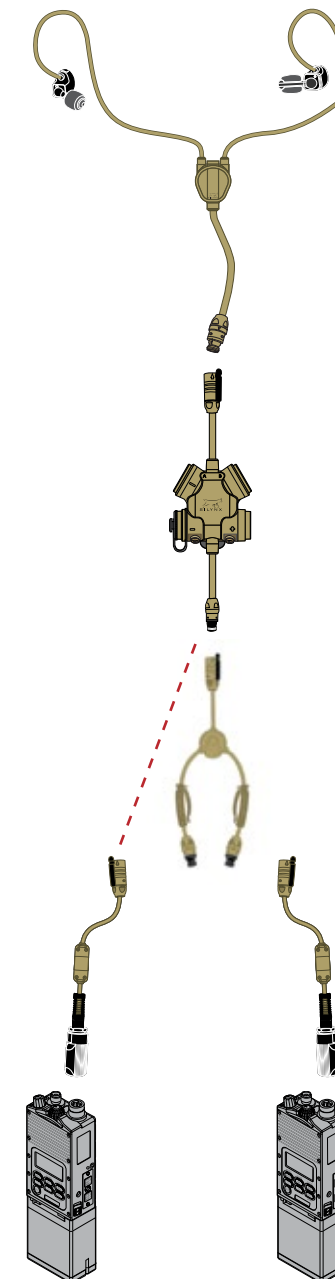
HEADSET



PUSH-TO-TALK CONTROL UNIT



SAMPLE CONFIGURATION



HEADSET SYSTEMS

CLARUS XPR

Being highly capable yet affordable, CLARUS XPR is our most popular 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 most operational profiles.

FEATURES



25 NRR / 31 SNR

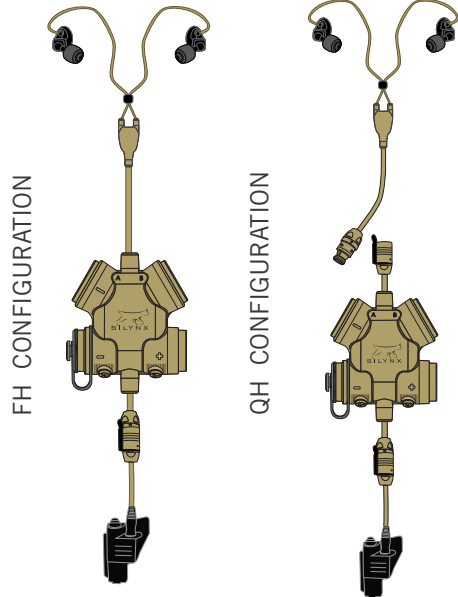
MODULAR AND FIXED CABLE OPTIONS TO OPTIMIZE MODULARITY WITH AFFORDABILITY

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

AMBIDEXTROUS PUSH-TO-TALK BUTTONS

SUPPORTS UP TO TWO COMMUNICATION DEVICES

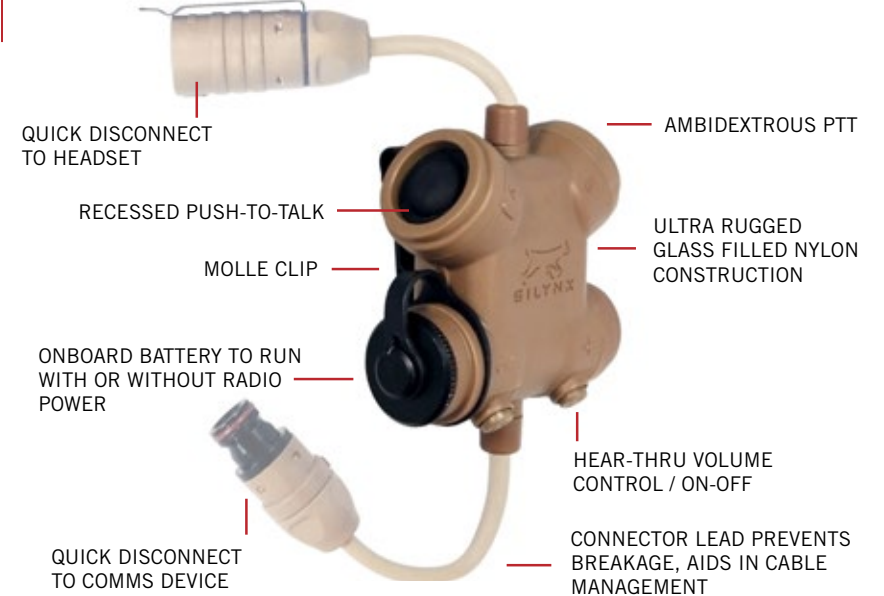
SAMPLE CONFIGURATION



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, but still 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

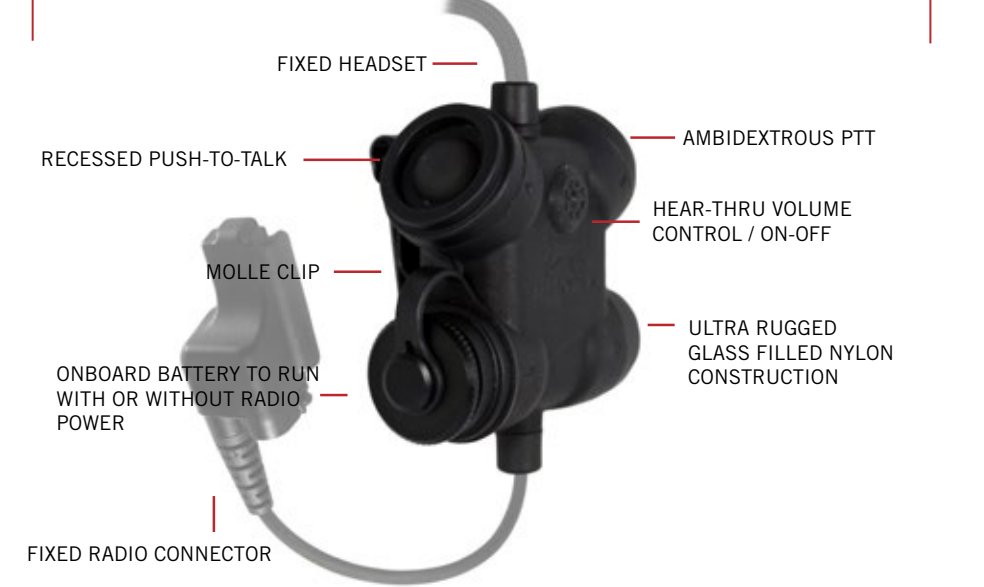
SINGLE BUTTON POWER AND HEAR-THRU VOLUME

AVAILABLE IN DOUBLE AND SINGLE EAR BUD CONFIGURATION

HEADSET



PUSH-TO-TALK CONTROL UNIT



SAMPLE CONFIGURATION



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

SAMPLE CONFIGURATION

ACOUSTIC TUBE INDUCTION MODULE ASSEMBLY



WIRELESS EAR PIECE INDUCTION MODULE LAPEL MICROPHONE ASSEMBLY



WIRELESS KEY FOB PTT



EAR PIECES

WIRELESS CONNECTION TO INDUCTION MODULE



BATTERY CHAMBER

HIDDEN, COMFORTABLE FIT INSIDE THE EAR

COMFORTABLE SILICONE EAR TIP



CONNECTS TO LAPEL MICROPHONE MODULE

INDUCTION MODULE



QUICK DISCONNECT

LAPEL PIN

COMBINATION INDUCTION MODULE AND LAPEL MICROPHONE

PUSH-TO-TALK KEY FOB



PTT BUTTONS

CUT THE KEY TO FIT YOUR CAR

KEYCHAIN FOR EASY STORAGE

WIRELESS WITH SIMPLE PAIRING

DESIGN ALLOWS PTT TO HIDE IN PLAIN SIGHT



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

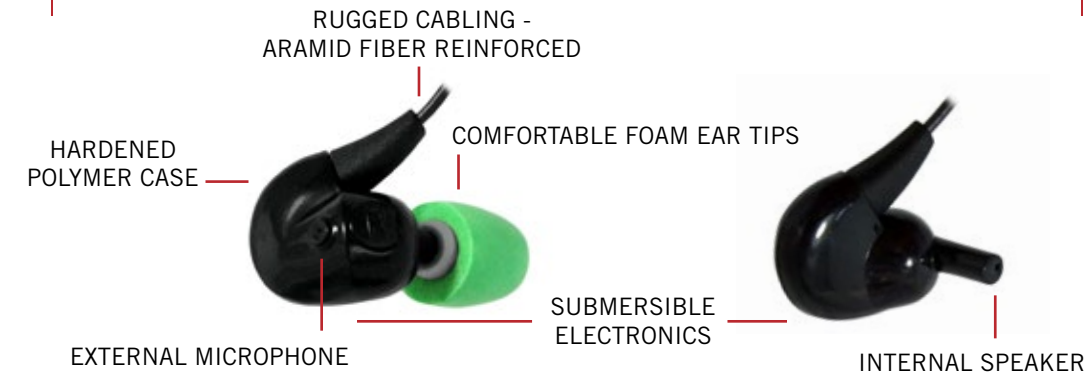
SILYNX leveraged its combat proven technologies to defy the convention that electronic hearing protection must be big and bulky or small and fragile. CLARUS PRO's combination of low-profile and hear thru (so you don't have to remove your hearing protection to talk to others), allows all-day wear whether 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

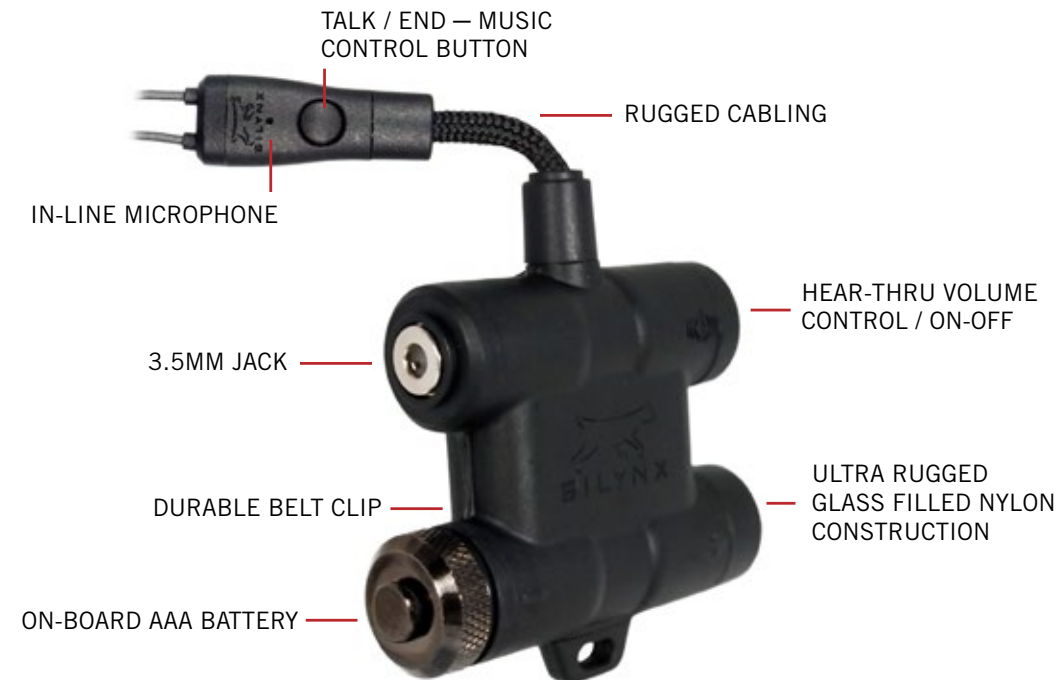
- 25 NRR / 31 SNR
- PROPRIETARY HEAR-THRU TECHNOLOGY TO MAINTAIN SITUATIONAL AWARENESS
- MILITARY GRADE, ENVIRONMENTALLY HARDENED
- SUBMERSIBLE
- MOBILE PHONE COMPATIBLE
- OMNI-DIRECTIONAL MICROPHONE FOR SOUND CLARITY IN NOISY ENVIRONMENTS



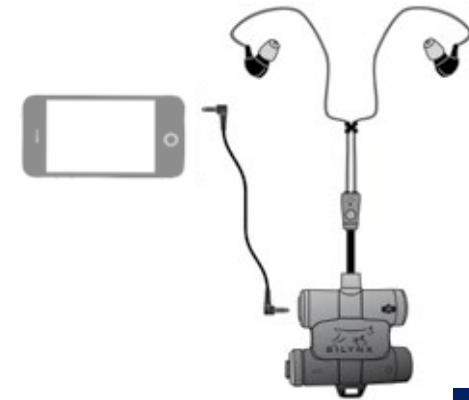
HEADSET



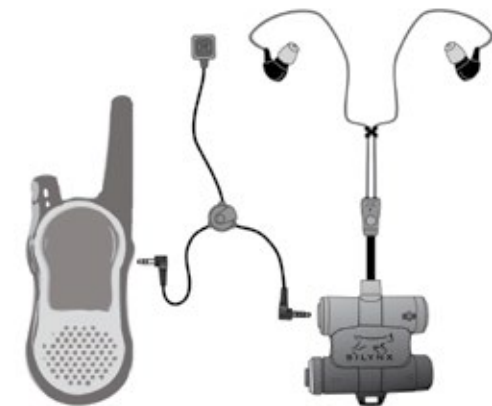
CONTROL UNIT



PHONE CONFIGURATION



RADIO CONFIGURATION



SAMPLE CONFIGURATION

HEARING PROTECTION

CLARUS HSE

CLARUS HSE is a unique noise cancelling, hearing protection headset that has been mechanically designed to be worn on a hard hat, ball cap or other headgear. With SILYNX's proprietary Hear-Thru technology, this product is ideal for those who need hearing protection for long periods of time. The ultra lightweight (4g) earbuds provide 25NRR hearing protection; being nicely flush in the user's "concha bowl" they remain comfortable throughout the day.

FEATURES

- 25 NRR / 31 SNR
- OPTIONS TO ATTACH TO HELMETS, HARDHATS, AND HEADGEAR
- PROPRIETARY HEAR-THRU TECHNOLOGY TO MAINTAIN SITUATIONAL AWARENESS
- MILITARY GRADE, ENVIRONMENTALLY HARDENED
- SUBMERSIBLE



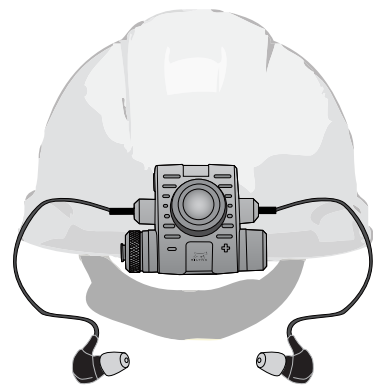
HEADSET



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



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

Lynx headset is similar to the Stingray, with a slightly different design in the ear bud and in some configurations the auxiliary jack is not included in the splitter. Otherwise, the Lynx fully incorporates the ruggedized ear buds which withstand all extreme environments, provide hear through and 25 NRR hearing protection, yet weigh less than 2 ounces each. The Stingray headset incorporates an auxiliary jack in the cable splitter to accommodate ancillaries such as gas mask cables.

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

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 Silyn 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 Silyn 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



WIRELESS EAR PIECE

SILYNX's wireless earpiece solution, tith its tiny form factor, is entirely invisible to the naked eye, ensuring the user's cover while still enabling two way communications. Used with the induction module of the Clarus or XPR, the wireless earpiece provides clear communications when complete cover is required.

Wireless Earbud for Nearly Invisible Comms
Lapel Mic With Inductive Option
Connects to Silyn PTT Unit via Induction
Cable With Lapel Pin

FOR USE WITH: OPTIMUS | CLARUS





EAGLE

The Eagle headset includes an ear cup to provide additional noise occlusion and maximum audio clarity. SILYNX 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



FALCON



The Falcon headset integrates an in-ear tip via an acoustic tube to minimize profile and weight of the headset unit. SILYNX 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 Falcon headset becomes a combat ground accessory with all its advantages.

20M Submersible
Acoustic Ear Tube With Mushroom Silicone
Ear Tip
Headband for Easy Donning
Bendable Boom Mic

FOR USE WITH: OPTIMUS | CLARUS | XPR-QH



MICRO BOOM



SILYNX'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



PUSH-TO-TALK



SILYNX understands 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.

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 or for long-gun coverage—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.

The SILYNX U94 is a rugged, light-weight single radio push-to-talk (PTT) for use with any headset incorporating the TP-125 / Nexus series 7mm connector. SILYNX has designed the U-94 to be the most affordable unit on the market while maintaining all quality and reliability in construction and performance.

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



RAISED PTT BUTTONS FOR EASE OF USE WITH GLOVED HANDS

SUPPORTS SINGLE & DUAL COMMS





OPTIONAL REMOTE PTT INTERFACE

PICATINNY RAIL ATTACHMENT

SUBMERSIBLE

ULTRA RUGGED GLASS FILLED NYLON CONSTRUCTION

FEATURES

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

SAMPLE CONFIGURATION




PUSH-TO-TALK UNIT

- NEXUS JACK
- OPTIONAL GAS MASK CONNECTION
- RAISED BUTTON FOR EASE WITH GLOVED HANDS
- ERGONOMIC DESIGN
- AMBIDEXTRIOUS MOLLE CLIP
- RUGGED CABLING KEVLAR LINED
- FIXED RADIO LEAD CONNECTION

KEY FOB PUSH-TO-TALK

FEATURES

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

SAMPLE CONFIGURATION



LATCH KEYCHAIN FOR EASY STORAGE

PTT BUTTONS SUPPORTS SINGLE & DUAL COMMS

DESIGN ALLOWS PTT TO HIDE IN PLAIN SIGHT

WIRELESS WITH SIMPLE PAIRING

CUT THE KEY TO FIT YOUR CAR

ACCESSORIES

SILYNX offers a full suite of accessories to further enhance the SILYNX in-ear systems. A full suite of adaptors to an extensive list of communications devices, as well as comfort and storage accessories.

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.

RECREATIONAL RADIO ADAPTOR



Allows users to connect Clarus Pro to an FRS radio or patrol speaker microphone unit.

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.

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	●

PRO

HEADSET

SPECIALTY

BATTERY

IDENTIFIER	DESCRIPTION	COLOR
CA0212	ICOM F3161DT/T	●
CA0216	SP3 FOR SEPURA STP8038	●
CA0280	SEPURA AIRWAVE	●
CA0117	MOTOROLA APX SERIES FOR CLARUS PRO	●
CA0194	KENWOOD TWO PIN FOR CLARUS PRO	●
CA0238	MOTOROLA MH230 FOR CLARUS PRO	●
CA0015	PELTOR / SORDIN HEADSET ADAPTOR	● ●
LV-K-002-00	LOW-VIS CIVILIAN HEADSET ADAPTOR AND KEY FOB PTT	●
CA0197	CIVILIAN HEADSET ADAPTOR	●
CA0291	RAC-1 EAR MUFF HEADSET ADAPTOR	● ●
CA0196	GAS MASK ADAPTOR	●
CA0297	CBP CIVILIAN / MILITARY HELO ICS ADAPTOR	●
CA0006	HELICOPTER INTERCOM (HELO)	● ●
CA0200	VEHICLE INTERCOM SYSTEM (VIS)	● ●
CA0059	SPECIAL COMMS (3.5MM)	● ●
CA0095	MOBILE PHONE ADAPTOR	● ●
CA0175	DUAL COMMS SPLITTER	● ●
BAT-201	MBITR SINGLE BATTERY SPLITTER	●
BAT-003	MBITR DUAL BATTERY SPLITTER	●
BATAD5590-001	MBITR / 152 BA5590 BATTERY ADAPTOR	●
BATAD5590-002	TWO BA5590 ADAPTOR FOR ONE MBITR / 152 RADIO	●
BATAD5590-003	ONE BA5590 ADAPTOR FOR TWO MBITR / 152 RADIOS	●

FOAM EAR TIPS



FOR MODERATE NOISE



FOR HIGH NOISE

WATERPROOF STORAGE CASE



EAR RETAINERS



OVER THE EAR
RETAINERS



IN-EAR RETAINERS

APPAREL & GEAR



	OPTIMUS		CLARUS	CLARUS XPR	CLARUS FX2
ACOUSTICAL RESPONSE	Speaker Freq Spectrum	60-10,000Hz	60-10,000Hz	60-10,000Hz	60-10,000Hz
	Sound Pressure Level	>115 dB	>115 dB	>115 dB	>115 dB
	Max Audio Input Level	5Vp-p	3Vp-p	3Vp-p	5Vp-p
	Mic Freq Range	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
Audio Output Level	>3mVrms, 600Ω	>3mVrms, 600Ω	>3mVrms, 600Ω	>3mVrms, 600Ω	
HEAR-THRU SYSTEM	Impulse Noise Protection Extended Sound Localization		Impulse Noise Protection Extended Sound Localization	Impulse Noise Protection Extended Sound Localization	Impulse Noise Protection Extended Sound Localization
ATTACK TIME	<1MS		<1MS	<1MS	<1MS
ENVIRONMENTAL	Operating Temp	-46°C to +72°C	-40°C to +72°C	-40°C to +72°C	-40°C to +72°C
	Storage Temp	-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%
	Immersion (Control Box)	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
DIMENSIONS	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
WEIGHT	Control Box	205g (excluding battery)	119g (excluding battery)	119g (excluding battery)	119g (excluding battery)
	Headset	70g	70g	70g	70g
BATTERY LIFE EXPECTANCY	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
HEAR-THRU	YES		YES	YES	YES
HEADSET LEAD	MODULAR		MODULAR	MODULAR OR FIXED	FIXED
COMM LEAD	MODULAR		MODULAR	MODULAR	FIXED
# OF COMMS	UP TO 3 RADIOS		UP TO TWO RADIOS AND/OR PHONE	1 RADIO OR 1 RADIO + 1 PHONE	1 RADIO
POWER SOURCE	AAA, Radio		AAA, Radio	AAA, Radio	AAA, Radio
SUPPORTS WIRELESS PUSH-TO-TALK	YES		YES	NO	NO

SPECIFICATIONS



	CLARUS PRO		COVERT KIT		U94	WIRELESS PUSH-TO-TALK
ACOUSTICAL RESPONSE	Speaker Freq Spectrum Sound Pressure Level Receiver Type Microphone Type	60-15,000Hz >115 dB 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
HEAR-THRU SYSTEM	Impulse Noise Protection Extended Sound Localization		N/A		N/A	Impulse Noise Protection Extended Sound Localization
ATTACK TIME	<1MS		N/A		N/A	N/A
ENVIRONMENTAL	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	-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	
DIMENSIONS	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
WEIGHT	70g (excluding battery)		Wireless Ear Piece Key FOB PTT	1g (excluding battery) 45.3g	150g	44.38g (including battery)
BATTERY LIFE EXPECTANCY	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
HEAR-THRU	YES		N/A		NO	N/A
HEADSET LEAD	FIXED		WIRELESS		NEXUS SINGLE COMM JACK	N/A
COMM LEAD	MODULAR		MODULAR		MODULAR	N/A
# OF COMMS	ONE RADIO OR MOBILE PHONE		UP TO TWO RADIOS AND/OR PHONE		1 RADIO OR 1 RADIO + 1 PHONE	N/A
POWER SOURCE	AAA		1.4V, 12V 27A		Radio	AAA
WIRELESS	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.

Interested in becoming a SILYNX Dealer?
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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/ 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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