

Sonetics®

Wireless Intercom Headsets

Proven team
communication
solutions for
construction,
utilities, industry,
marine and military



www.talkingheadsets.co.uk

Sonetics®

Wireless Intercom Headsets

All Sonetics solutions deliver hands-free, full-duplex wireless communications. Team communication is continuous and seamless, just like normal conversation. Using push-to-talk two-way radios can lead to garbled or missed information and require a free hand for operation.

With Sonetics systems, safety, effectiveness and productivity are significantly enhanced as workers' hands are free – everyone on the team can hear and be heard.

Rugged and wireless headsets are the foundation of every Sonetics system. The headsets are completely free of external antennas or wires that may snag on objects or interfere with movement. The headsets offer up to 26dB of noise isolation for personal hearing protection while delivering crystal-clear encrypted communications up to 600m over a reserved, interference-free radio band. Accommodating up to 120 users, systems can be configured for fixed locations or mobile teams and can be linked via radio for multiple work sites.



- > Fire & Rescue
- > Offshore & Petro-chemical
- > Military & Security
- > Utilities
- > Power Stations
- > Engineering
- > Construction
- > Marine
- > Harsh Environments



CE



Complete Wireless Systems

Sonetics Complete Wireless Systems offer a portable, pre-configured and self-contained solution for team communications between multi-users. The packages include Sonetics wireless headsets and a battery-powered portable ComHub™ base station enclosed with battery chargers in a waterproof Peli Case™ for easy transportation and storage.

Can be
deployed in
minutes

Sonetics wireless headset systems

- > Establish a local wireless communication network
- > Self-contained, licensed, interference-free
- > Easy-to-use – turn on and go
- > Proven rugged and trusted in the toughest jobs
- > Backed by outstanding factory warranty, service, and support

Reliable, safe communications made simple

Portable or Fixed Installations

Complete systems are available in self-contained portable form or can be installed in vehicles, buildings, or industrial and construction equipment. Systems can be extended and configured for wide-area communication via a plug-and-play connection with over 400 mobile radios from more than 20 manufacturers. Headset models are available to accommodate hardhats and helmets and they are sealed against dust and rain when worn. Sonetics products are backed by the most comprehensive customer care program in the industry.



Intercom Units

Sonetics Intercom Units provide interconnection between as many as 40 wireless headset users, and optionally with Two-way radios. The units implement continuous hands-free full-duplex intercom communication among all connected users. Multiple units can be used to configure systems with more users.



Headsets: Features and Benefits

Features

- Fully self-contained wireless headset
- 600m line-of-sight range to base
- 24-hour battery with two-hour charge
- Rugged: IP65 rated, mil-spec tested
- 1.8 GHz DECT wireless technology
- Operates from -40°C to +70°C
- Push-to-talk radio compatible
- High-comfort, up to 26dB noise reduction
- Self-contained completely wireless base station
- Base station powered on 12V DC

Benefits

- No wires/antennas to break or snag
- Over 30 times the coverage area of Bluetooth
- Ready to work when you are
- Built for tough conditions
- Clear, interference-free, and secure
- Works whenever you do
- Optional communication over two-way radio
- Protects your hearing
- Small, with multiple mounting options
- Vehicle battery power or AC adaptor

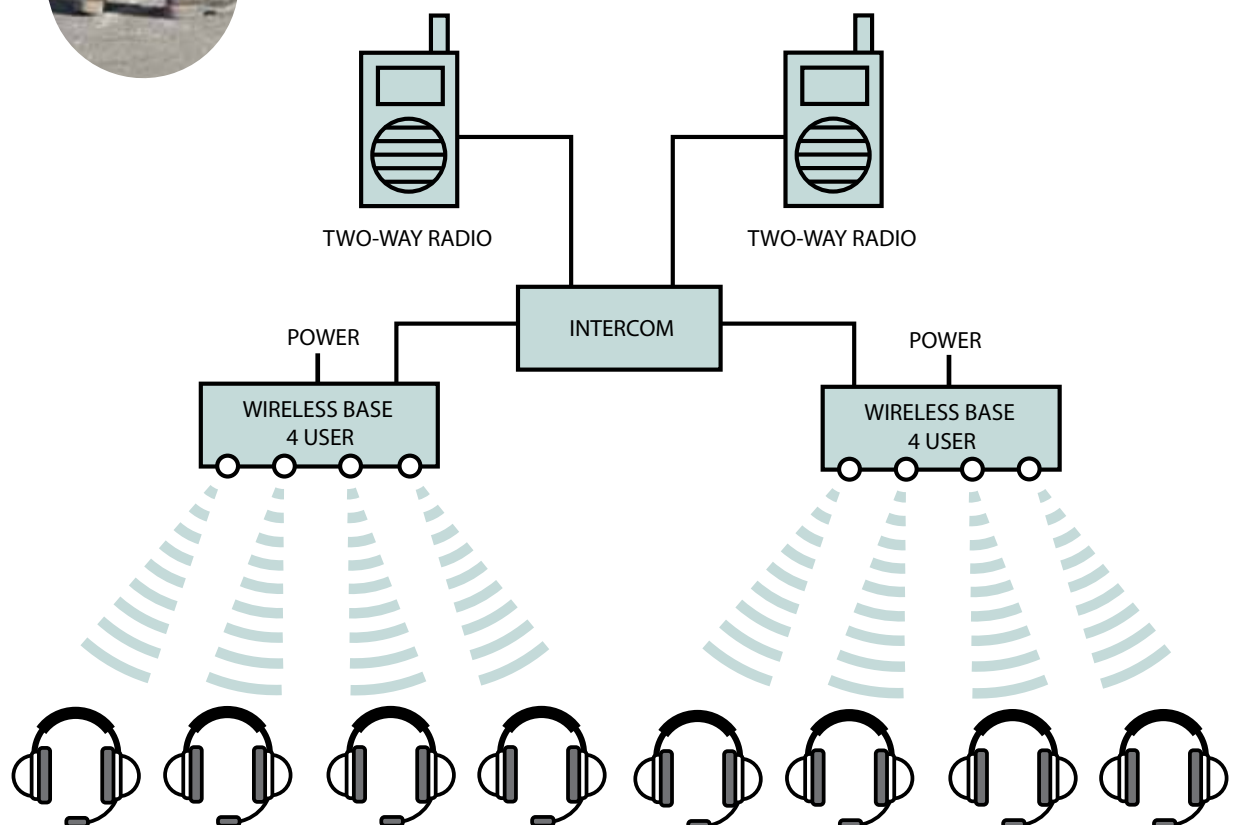
Team communications, talk and go

Wireless solution

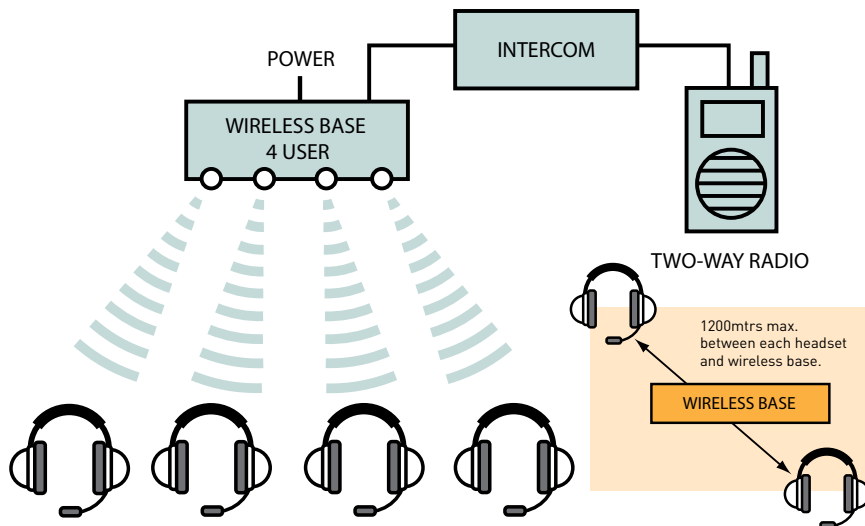
Sonetics' wireless headset solutions can be configured to meet a broad range of team communication requirements.

Each Apex Base Stations communicates wirelessly with up to four Apex wireless headsets. Multiple base stations can be incorporated to expand the number of users/headsets in a single system. Base stations connect via an intercom unit. Multiple intercoms can be incorporated to expand a single system up to 120 (in EU). Intercoms can also optionally extend connection(s) to mobile radio(s) and their users, or to other Sonetics systems – expanding the usefulness of available Two-way radios in a variety of industrial sectors.

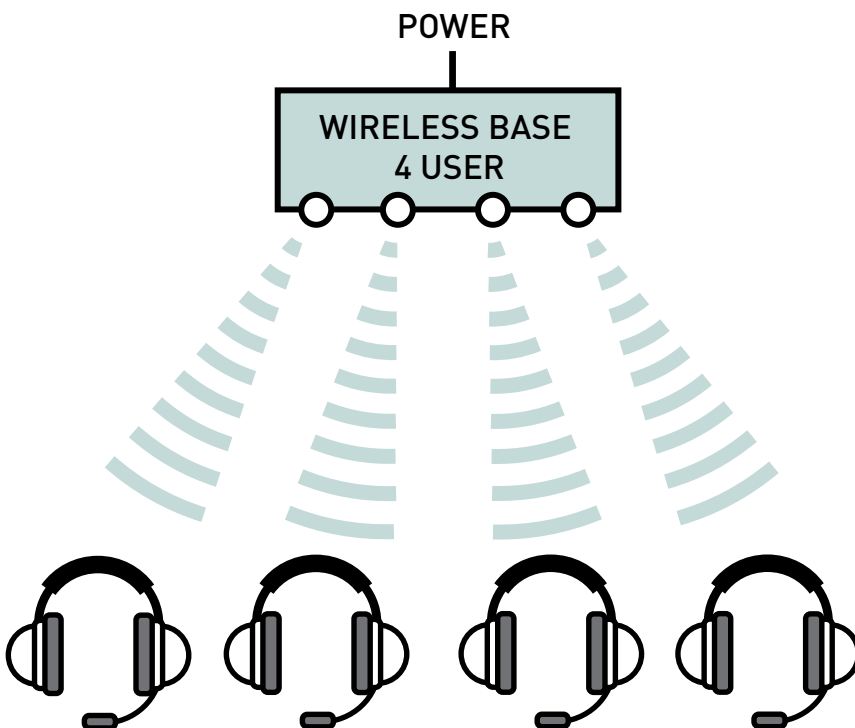
8 user intercom with 2 external VHF/ UHF/ HF interface



4 user intercom with single external VHF/UHF/HF interface



4 user intercom



Many more configurations available

Why Sonetics?

Sonetics systems are engineered to keep your team safe and in touch, even under the most challenging circumstances. When your crew needs to communicate, you can count on Sonetics wireless headsets to deliver that communication with absolute clarity — and without a wire in sight.

Sonetics systems operate in:

- Trucks and other road-legal vehicles
- Aerial lifts, bucket trucks, cranes
- Construction equipment
- Railroad equipment
- Fixed equipment such as industrial cranes
- Buildings and other structures and facilities
- Hovercraft and marine vessels

Sonetics systems improve operations in:

- Road & bridge construction, paving, repair, maintenance, painting
- Electricity distribution: construction, maintenance & repair
- Electricity generation: hydroelectric, coal, gas, nuclear, solar, wind
- Oil & natural gas extraction, distribution, maintenance, repair
- Dams, waterways, irrigation systems
- Freshwater supply and wastewater treatment
- Manufacturing facilities: refineries, heavy manufacturing, chemical
- Industrial facilities: food
- Maritime and emergency services

Apex Headsets

The clear choice for reliable communication

Apex wireless headsets ensure all your team members will hear and be heard, even under the most challenging circumstances. Combining rugged design with state-of-art technology, Apex delivers continuous, crystal-clear communications among team members and remote users, ensuring everyone stays safe and productive.



Whether you choose our comfortable over-the-head or convenient hard hat compatible styles, Apex headsets allow hands-free, full-duplex communication and are fully programmable with your choice of a three-way toggle switch or push-to-talk button. A noise-cancelling electret microphone comes mounted on a flex-style boom for left or right dress, and transmits up to 600 metres with unparalleled clarity, even in extremely noisy environments. ComLeather ear seals around the domes ensure a comfortable and secure fit while providing up to 26dB of noise reduction. And to make sure your team stays connected, Apex's long-life battery operates for 24 hours on a single charge from the 12-volt battery charger.

With four different models from which to choose, Apex is sure to have a solution for your specific needs. Yet another reason why Apex is the clear choice for reliable communication when it matters most.

Specifications

Physical

Weight: 0.51kg
Colour: Graphite Grey (Yellow, made to order only)
Noise Reduction Rating: 26dB NRR

Performance

Range: 600m line-of-sight SAE
Digital encoding for secure communications
Interference-free communications for up to 120 headsets per system

Power

3.7V rechargeable lithium polymer battery
>24 hours battery life when operating @25°C
Over-voltage, under-voltage, over-current and over-temperature protection
AC charge source: 12v, 500mA wall charger (sold separately)
DC Charge source: 5v to 16v, 1.5A minimum (sold separately)
Charge time: 2 hours

ISO

Conducted Transients per 7637-2

Environmental

IP-65 rated, when worn
Operating temperature -40°F (-40°C) to +158°F (+70°C)
Storage temperature -40°F (-40°C) to +185°F (+85°C)
Charging Temperature 32°F (0°C) to +104°F (+40°C)

SAE

Salt Spray per J1455, Sec. 4.3
Vibration per J1455 Sec. 4.9

Certifications

Cert# CE 1321
Meets essential CE requirements of:
EN 301 406 V2.1.1 (R&TTE Directive)
EN 301 489-6 V1.3.1 (R&TTE Directive)
IEC 60950-1:2006 (Information Technology Equipment – Safety)
IEC 60950-1:2005 (IEC Information Technology Equipment – Safety)

SAR

ANSI/IEEE Std. C95.1-1992



APX230 Under-the-Helmet headset APX235 Over-the-Head headset

This Sonetics wireless headset all-in-one design allows for freedom of movement while maintaining hands-free full-duplex communication with your team. Operating in a stand-alone intercom system and/or integrated with a Land Mobile Radio (LMR), the flexible design brings all members into communication. Hard hat and headband configurations with wide headband and ComLeather ear seals enable all day use. Extended-range operating temperature and robust design makes this headset ready for any operational environment.

Hearing Protection:

APX230 SNR 26dB

APX235 SNR 26dB

Frequency:

1.8GHz DECT6 wireless technology (EU)

Range:

600 metres line-of-sight transmission

Data Encryption:

35-bit DECT Standard Cipher (DSC)

Elemental Resistance:

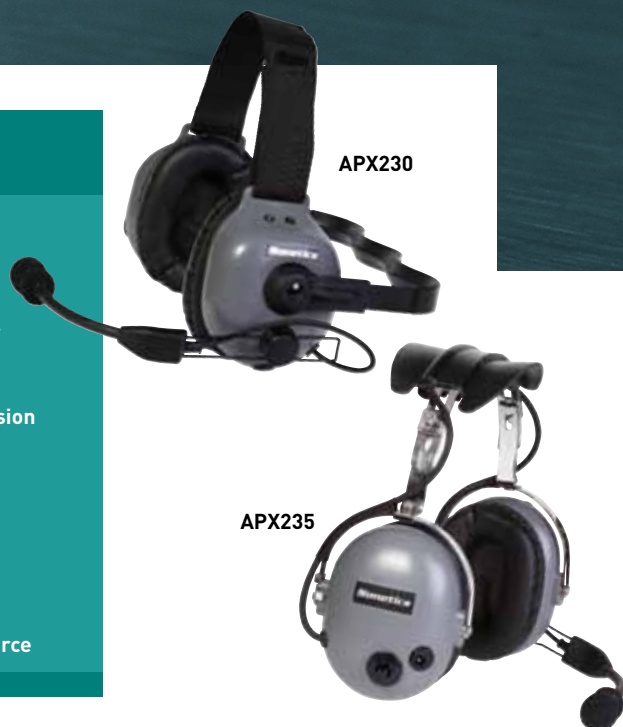
IP-65 dust and water protection

Battery:

24-hour built-in rechargeable

Battery Life:

2-hour charge from 5V-16V DC source



APX255

Toggle: PTT radio; intercom; mute mic.

Three-way toggle: (up) PTT talk over radio; (center) full-duplex intercom; (down) mute intercom microphone

APX250 Under-the-Helmet headset APX255 Over-the-Head headset

This Sonetics wireless headset is as durable and easy to use as a wired headset. The all in one design allows for freedom of movement while maintaining hands-free full-duplex communication with your team. Operating in a stand-alone intercom system and/or integrated with a Land Mobile Radio (LMR), the flexible design brings all members into communication. Hard hat and headband configurations with wide headband and ComLeather ear seals enable all day use. Extended-range operating temperature and robust design makes this headset ready for any operational environment. Custom factory programming is available upon request to meet your specific needs.

Hearing Protection:

APX250 SNR 26dB

APX255 SNR 26dB

Wireless Frequency:

1.8GHz DECT6 wireless technology (EU)

Range:

600 metres line-of-sight transmission

Data Encryption:

35-bit DECT Standard Cipher (DSC)
Elemental

Resistance:

IP-65 dust and water protection

Battery:

24-hour built-in rechargeable

Battery Life:

2-hour charge from 5V-16V DC source

APX258 Over-the-Head Headset

The Sonetics APX258 wireless headset with "mush-mouth" microphone maintains constant hands-free two-way communication among your crew in extremely high-noise environments. The all-in-one design eliminates breakable external antennas and the danger of entanglement from connecting wires while delivering 26dB of hearing protection. The headset operates in an interference free and secure wireless communication system and supports integration with a mobile radio for wide-area communication.

Wide padded headband with extended-fit adjustment and gentle pressure ensures comfort for extended wear. Water-resistant and comfortable ear seals, extended operating temperature, and robust design make this headset ready for tough work environments.

"Mush-mouth" microphone

Microphone located inside hard shell that fits over user's mouth for communication in extremely high-noise environments.



APX258

SON-231E Belt Packs

Sonetics Belt Packs permit the integration of wired headsets into a Sonetics wireless team communication system, primarily for users that do not require the hearing protection and features of Sonetics wireless headsets. Each belt pack provides wireless communication to a Base Station or Communication Hub for a single wired headset.

Belt packs provide the same secure, digitally encoded, and interference-free communications as Sonetics wireless headsets. When operated as part of a wireless system, up to 120 headsets and/or belt packs can be connected.

SC-76332

MIL-Spec headset with noise cancelling microphone. The 'Active Listening' headsets deliver very high sound quality, with reproduction of ambient sound and good directional awareness.

SON-231E



SC8

This military grade headset is designed for rugged use. Noise-cancelling microphone is mounted on a robust and highly flexible boom. The speaker element is of high quality, waterproof design and protected by a moulded housing.

SC23-01

SWATCOM GK Boom Mic/Earpiece Quick Disconnect for Gecko marine helmet.

SC22

A comfortable low profile headset with noise-cancelling flexi-boom microphone that allows good communication.

SC5/SC12

Water resistant throat microphone for users who want a reliable accessory for voice communication that is streamline, easy to use, for a variety of operational scenarios.

SC-AK5850H

Heavy duty headset for use in the most demanding of environments with excellent hearing protection to meet the demands of extreme conditions.

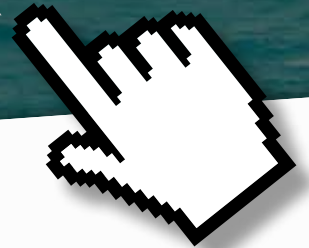
Other headsets available on request.

And there's more...



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Sonetics Apex - Wireless Com



Effective communications between teams of workers using the Sonetics Apex range of products this process can be effective

More

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Professional Communication Solutions

Talking Headsets Ltd
Straightpoint Building
Clovelly Road
Southbourne
Hampshire
PO10 8PE
United Kingdom

Head Office: +44 (0) 1243 375708
UK North: +44 (0) 7809 846970
UK South: +44 (0) 7979 425988
Fax: +44 (0) 1243 374593
Email: info@talkingheadsets.co.uk
www.talkingheadsets.co.uk
www.swatcom.co.uk