PORTABLE COMMUNICATION SYSTEMS FOR WIRELESS WORK TEAMS

Sonetics Wireless Headsets let you talk hands-free with your crew while protecting your hearing from dangerous noise. With our listen-through technology, you control how much outside sound to let in so you can maintain situational awareness.

GET THE JOB DONE WITH SONETICS

Sonetics Wireless Headsets enable natural conversation in the most challenging environments. We combined our industry-leading audio quality with our exclusive auto-leveling, noise-cancelling microphone so that you can understand the subtle differences in what you hear - even in the middle of a loud work zone.

Higher Productivity
Talk easily in real time, completely hands-free

Better Protection
24dB NRR protects hearing, Stereo Listen-Through provides situational awareness

Improved Quality
Make fewer mistakes and watch job performance rise

Enhanced Safety
Alerts, instructions and updates are immediate, helping you avoid hazards and risks

“It filters out your outside noises, which allows you to concentrate on what you’re doing... Whenever you speak, people clear down at the other end of the project can hear what you’re saying.”
— Walt Logan, Dig This! Las Vegas
3-USER | 5-USER | 10-USER

SONETICS PORTABLE WIRELESS COMMUNICATION SYSTEMS

Everything your team needs to safely and effectively communicate.

- Hands-free, wireless operation – no cables to snag or tangle
- 3, 5 or 10 APX377 or APX379 wireless headsets in standard configurations
- Battery-powered, portable DECT7 ComHub with up to 5 channels
- Waterproof charging case with 12V or 120/240V charging options

SYSTEM FEATURES

- DECT7® Wireless technology
- Stereo Listen-Through technology
- 24dB Noise Reduction Rating
- User-replaceable, rechargeable batteries with up to 24 hours of talk time
- Secure Communication with Digital encryption and pre-licensed frequencies to keep your team interference-free

Optional portable two-way radio communication
Optional Bluetooth wireless technology
Rugged, watertight, IP-66 rated
Customizable with advanced features like Broadcast Mode, Split Push-to-Talk, and Headset to Multi-Base Station
Human-centric design with comfort in mind for long hours on the job

TWO-WAY RADIO CONNECTIONS
Connect any portable radio directly to an Apex 3-Series Wireless Headset for one-to-one communication, or to the ComHub and include your team.

INDUSTRIES WE SERVE
Sonetics is transforming the way work teams communicate in industries like these:

- Construction
- Food Processing
- Public Works
- Utilities
- Manufacturing
- Heavy Recovery Towing
- First Responders
- Marine
APX377 DECT7 WIRELESS HEADSET WITH ADVANCED HEARING PROTECTION

The Sonetics APX377 wireless headset protects you from dangerous noise levels while enhancing all other audio to a comfortable listening level. Extend team communication up to 1,600 feet (line-of-sight). Stereo Listen-Through protects your hearing when you need to hear warnings and alarms or have a face-to-face conversation. Connect a two-way radio or MP3 player via direct-wire inputs. Engineered and tested for rugged durability in extreme environments, the APX377 improves team communication no matter where you work.

**DECT7® WIRELESS COMMUNICATIONS**
Wireless communication with maximum range in high-definition, wideband audio. Integrates with Sonetics Team and Sonetics Enterprise systems (from 2 to 2,000 users).

**DECT7 MULTI-CHANNEL**
One-to-many channels; headsets scale to your team.

**RADIO TRANSMIT**
Direct-wire interface with any portable radio with a Sonetics PR Adapter (sold separately).

**RUGGED**
Built to withstand environmental extremes, the APX377 is dustproof and watertight.

**LISTEN THROUGH SITUATIONAL AWARENESS**
Hear your surroundings and have face-to-face conversations while protected from dangerous noise.

**SOUND DOSIMETER**
Real-time measurement of sound levels around you and at your ears. Automatically adjusts sound levels to comply with OSHA standards.

**AUTOMATIC LOUD NOISE SUPPRESSION**
The APX377 automatically limits high impulse noises such as gunshots from being transmitted to the user in Stereo Listen-Through mode.

**NOISE CANCELLING MICROPHONE**
Be understood even in the loudest environments.

**AUTO-LEVELING MICROPHONE**
Be heard clearly as you move from low- to high-noise areas.

**HEARING PROTECTION**
Passive noise reduction eliminates unsafe noise.

**CONVERTIBLE HEADBAND**
Easily convert from over-the-head to behind head styles. *Sold separately.

**CHOOSE YOUR COLOR**
Personalize and identify with silicone ruggedizers.

---

1. Requires Sonetics DECT Base, ComHub or MiniHub.
2. Requires multi-channel DECT or IP-DECT Base, ComHub or MiniHub.
APX 377 DECT7 WIRELESS HEADSET WITH ADVANCED HEARING PROTECTION

FEATURES

MOBILE DEVICE AND RADIO CONNECTIVITY
Connect to your MP3 player or phone directly via the auxiliary jack
Make calls or listen to music while you work

ROBUST DESIGN
Flexible microphone boom
2-stage microphone cover eliminates wind noise
Enhanced durability and comfort; designed to fit any head size
IP66 Rating - dust-proof and sealed against salt spray and moisture
Microphones protected by a layer of waterproof material for outdoor use
High strength, tough, fatigue-resistant polymer for headband durability

STATE-OF-THE-ART HEARING PROTECTION
Integrated sound dosimeter measures, monitors and limits sound exposure at all inputs to ensure compliance with hearing protection standards
Sound suppressor reduces loud noise while enhancing other sounds
Stereo Listen-Through microphones allow face-to-face conversation and situational awareness
24dB passive noise reduction rating (NRR)

LONG-LASTING POWER SOURCE
24-hour rechargeable lithium-ion battery
User-replaceable battery
Energy-saver sleep mode: one year of shelf life without losing charge
Simple on/off operation
Power-on battery capacity LED indicator
Audible and visual 2-stage low battery warning
110/220V DC battery charger included
Heavy-duty 12V DC charging cable included

TOTAL CONFIGURABILITY
Features are custom programmable to user specifications
Programmable microphone gain
Voice prompts for easy feature navigation and feedback

CUSTOMIZABLE
Easily configures to over-the-head, under-helmet or hardhat clip-mounted styles
Personalize and protect with silicone ruggedizers (available in 12 standard colors)

SPECIFICATIONS

DECT7 WIRELESS TECHNOLOGY
Dynamic channel allocation
DECT Standard Cipher with 35-bit initialization vector
Frequency Bandwidth: 1920 MHz to 1930 MHz

PHYSICAL
Weight: 16 oz. (without ruggedizers)
Color: Black
Noise Reduction Rating: 24dB NRR
Side Pressure: 2.2 lbs.

POWER
3.7V rechargeable lithium ion battery (18650 replaceable)
More than 24 hours of battery life at 77°F (25°C)
Charge time: 4 hours
AC Charge Source: supplied 12V, 500mA wall charger
DC Charge Source: 5V to 16V, 1.5A minimum, cable supplied
Over voltage, under voltage, over current and over temperature protection

ENVIRONMENTAL
IP-66 Rating
Operating temperature -22°F (-30°C) to 140°F (60°C)
Storage temperature -40°F (-40°C) to +185°F (+85°C)

MIL
Humidity per MIL-STD 810F and 810G
Temperature Shock per MIL-STD 810F and 810G
Chemical Exposure per MIL-STD 810

SAE
Salt Spray per J1455, Sec. 4.3
Vibration per J1455, Sec. 4.9
Conducted Immunity per J1113-11
Electrostatic Discharge per J1113-13
Radiated Emissions per J1113-41

ISO
Conducted Transients per 7637-2


APX 3-SERIES PRODUCT LINE

<table>
<thead>
<tr>
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<tr>
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PROTECT YOUR INVESTMENT
WITH COMCARE EXTENDED SERVICE PROGRAMS

For less than the cost of a single out-of-warranty repair, ComCare Extended Service Programs provide comprehensive support and extend the warranty on your system for up to five years from the date of purchase. Benefits include priority status on technical support, priority repair time and return shipping. ComCare is available for purchase within 90 days of original equipment purchase date. To learn more, visit www.soneticscorp.com/service-and-support.
DECT7 WIRELESS HEADSET WITH Bluetooth AND ADVANCED HEARING PROTECTION

The Sonetics APX379 wireless headset protects you from dangerous noise levels while enhancing all other audio to a comfortable listening level. Take calls, listen to music and integrate with a two-way radio simultaneously via wired and wireless Bluetooth™ inputs. Extend team communication up to 1,600 feet (line-of-sight) Stereo Listen-Through protects your hearing when you need to hear warnings and alarms or have a face-to-face conversation. Engineered and tested for rugged durability in extreme environments, the APX379 improves team communication no matter where you work.
APX 379 DECT7 WIRELESS HEADSET WITH Bluetooth® AND ADVANCED HEARING PROTECTION

FEATURES

MOBILE DEVICE AND RADIO CONNECTIVITY
Bluetooth® A2DP audio streaming
Connect to your MP3 player or phone directly via the auxiliary jack
Make calls or listen to music while you work

ROBUST DESIGN
Flexible microphone boom
2-stage microphone cover eliminates wind noise
Enhanced durability and comfort; designed to fit any head size
IP66 Rating - dustproof and sealed against salt spray and moisture
Microphones protected by a layer of waterproof material for outdoor use
High strength, tough, fatigue-resistant polymer for headband durability

STATE-OF-THE-ART HEARING PROTECTION
Integrated sound dosimeter measures, monitors and limits sound exposure at all inputs to ensure compliance with hearing protection standards
Sound suppressor reduces loud noise while enhancing other sounds
Stereo Listen-Through microphones allow face-to-face conversation and situational awareness
24dB passive noise reduction rating (NRR)

LONG-LASTING POWER SOURCE
24-hour rechargeable lithium-ion battery
User-replaceable battery
Energy-saver sleep mode: one year of shelf life without losing charge
Simple on/off operation
Power-on battery capacity LED indicator
Audible and visual 2-stage low battery warning
110/220V DC battery charger included
Heavy-duty 12V DC charging cable included

TOTAL CONFIGURABILITY
Features are custom programmable to user specifications
Programmable microphone gain
Voice prompts for easy feature navigation and feedback

CUSTOMIZABLE
Easily configures to over-the-head, under-helmet or hardhat clip-mounted styles
Personalize and protect with silicone ruggedizers (available in 12 standard colors)

SPECIFICATIONS

DECT7® WIRELESS TECHNOLOGY
Dynamic channel allocation
DECT Standard Cipher with 35-bit initialization vector
Frequency Bandwidth: 1920 MHz to 1930 MHz

WIRELESS Bluetooth TECHNOLOGY
Bluetooth® 3.0 with secure simple pairing
Frequency: 2400 MHz-2485 MHz
Power: 2.4 mW / 4 dBm

PHYSICAL
Weight: 16 oz. (without ruggedizers)
Color: Black
Noise Reduction Rating: 24dB NRR
Side Pressure: 2.2 lbs.

POWER
3.7V rechargeable lithium ion battery (18650 replaceable)
More than 24 hours of battery life at 77°F (25°C)
Charge time: 4 hours
AC Charge Source: supplied 12V, 500mA wall charger
DC Charge Source: 5V to 16V, 1.5A minimum, cable supplied
Over voltage, under voltage, over current and over temperature protection

ENVIRONMENTAL
IP66 Rating
Operating temperature -22°F (-30°C) to +140°F (+60°C)
Storage temperature -40°F (-40°C) to +185°F (+85°C)

MIL
Humidity per MIL-STD 810F and 810G
Temperature Shock per MIL-STD 810F and 810G
Chemical Exposure per MIL-STD 810

SAE
Salt Spray per J1455, Sec. 4.3
Vibration per J1455, Sec. 4.9
Conducted Immunity per J1113-11
Electrostatic Discharge per J1113-13
Radiated Emissions per J1113-41

ISO
Conducted Transients per 7637-2

APEX 3-SERIES PRODUCT LINE

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PROTECT YOUR INVESTMENT WITH COMCARE EXTENDED SERVICE PROGRAMS

For less than the cost of a single out-of-warranty repair, ComCare Service provides comprehensive support and extends the warranty on your system for up to five years from the date of purchase. Learn more at www.soneticscorp.com/service-and-support.
SON150

WIRELESS DECT7 BASE STATION

The SON150 Wireless DECT7 Base Station connects up to five APX377 or APX379 wireless headsets in full-duplex team communication up to 1,600 feet from the base station. Remotely activate radio PTT or select from two channels with headset dome controls on a connected DECT7 wireless headset. Supports up to 100 users in broadcast mode for tour groups or educational applications. Listen to guides, instructors, or prerecorded content. Transition to talk mode as needed. The SON150 is USB-programmable for custom configurations and can be powered from a vehicle or with the included wall-charger.

ACCESSORY ANTENNAS
Optional magnetic and permanent mount accessory antennas increase the flexibility of custom installations.

PERSONAL
Individual wireless communication headsets with hearing protection

TEAM
Connect teams with portable or installed wireless systems

ENTERPRISE
Wireless performance, reliability, security and cost-savings for up to 200 users.

WIRELESS DECT7 COMMUNICATION
Connect up to five DECT wireless headsets in full-duplex communication with up to 1,600-feet of range in high-definition, wideband audio.

BROADCAST MODE
Connect up to 100 Apex 3-Series wireless headset users in power-saving broadcast mode for tour groups or educational settings. Transition to talk mode temporarily with a single button.

WIDEBAND AUDIO
Wireless DECT7 communications transmit in high-definition, wideband audio for greater voice clarity and integration with voice-activated control systems. This feature is defeatable when narrowband communication is necessary.

MULTI-CHANNEL SYSTEM
Select from two channels remotely via Apex 3-Series wireless headset dome controls.

DUAL ANTENNA DESIGN
Internal and external antennas provide diversity switching for best signal acquisition. Place the SON150 and an optional external antenna in different locations to increase the flexibility of custom installations.

DECT7 ENCRYPTION
The SON150 uses the latest digital encryption to ensure privacy.

PROXIMITY PAIRING
For an additional layer of security, the SON150 will only pair with DECT7 units in close proximity.

USB PROGRAMMABLE
Use your Windows PC to configure the SON150 Wireless Base Station through its built-in USB port. Customize each feature and setting for your individual application.
### SON150 WIRELESS DECT7 BASE STATION

#### FEATURES

**WIRELESS DECT7 COMMUNICATIONS**
- Full-duplex team communication, just like a mobile conference call
- Connects up to five (5) Sonetics DECT6 or DECT7 wireless headsets
- Up to 1,600 line-of-sight range to the wireless base station
- Interference-free communication
- Transmissions are digitally-encrypted for increased security and privacy

**WIDEBAND AUDIO**
- High-definition, wideband transmission format
- Improved voice clarity for integration with voice-activated control systems
- Defeatable when narrowband communication is required

**BROADCAST MODE**
- Connect up to 100 wireless headsets in this listen-only, power-saving mode
- Transition to talk mode momentarily by pressing the headset PTT button

**TWO-CHANNEL SYSTEM**
- Select from two separate channels for multiple teams
- Remote channel selection via paired APX377 or APX379 wireless headsets

**DUAL-ANTENNA DESIGN**
- Internal and optional external antennas
- Design provides diversity switching for best signal acquisition
- Optimize range and performance for custom installations

**DECT7 DIGITAL ENCRYPTION**
- 35-bit DECT digital encryption ensures security and privacy

**PROXIMITY PAIRING**
- For additional security, SON150 only pairs with DECT7 units in close proximity

**USB PROGRAMMABLE**
- Create your own custom feature set via the Windows PC interface

#### SPECIFICATIONS

**COMMON DECT SPECIFICATIONS**
- Carrier Spacing: 1.724 MHz
- Time Slots: 2 x 12 (up and down stream)
- Channel Allocation: Dynamic
- Encryption: DECT Standard Cipher with 35-bit initialization vector
- Audio Bandwidth: 300 Hz to 3.4 kHz, Narrow Band, G.726 compression
- Audio Bandwidth: 50 Hz to 7 kHz, Wide Band, G.722 compression

**REGION 1 SPECIFICATIONS**
- Authorized for use in: Canada, USA
- Frequency Bandwidth: 1919.808 MHz to 1930.176 MHz
- Number of Carriers: 5
- Average Output Power: 4 mW
- Maximum Output Power: 100 mW
- Range (line of sight): 1,600 feet maximum

**PHYSICAL**
- Length: 5.70in / 145mm
- Width: 2.72in / 69mm (not including external antenna)
- Height: 1.2in / 31mm
- Weight: 4.8oz / 136g

**POWER**
- Voltage Input: 5 VDC to 16 VDC
- Maximum Current Input: 400 mA @ 5V, 150mA @ 12V

**ENVIRONMENTAL**
- IP Rating: IP-20
- Operating temperature -40°F (-40°C) to +140°F (+60°C)
- Storage temperature -40°F (-40°C) to +140°F (+60°C)

**FCC**
- FCC ID: V9N950325700V1
- FCC Part 15: All Models

**INDUSTRY CANADA**
- IC UPN: 7895A-950325700

**MIL SPEC**
- Humidity: MIL-STD 810F and 810G
- Temperature Shock: MIL-STD 810F and 810G

**SAE**
- Vibration: J1455 Sec. 4.9
- Conducted Immunity: J1113-11
- Electrostatic Discharge: J1113-13
- Radiated Emissions: CISPR 25
- Radiated Immunity: ISO 11452-2

**ISO**
- Conducted Transients per 7637-2

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Sonetics offers unparalleled peace of mind with its exclusive ComCare™ Service Programs. For less than the cost of a single out-of-warranty repair, ComCare Service provides comprehensive support and extends the warranty on your system for up to three years from the date of purchase. Benefits include priority status on technical support, priority repair time and return shipping. ComCare is available for purchase within 90 days of original equipment purchase date.

To learn more, talk with your Sonetics dealer or visit soneticscorp.com/support/comcare.
SCH305/310

WIRELESS DECT7 PORTABLE COMHUB

The Sonetics Wireless DECT7 Portable ComHub™ is the cornerstone of a completely portable team communication system. Battery-powered, it serves as a portable base station for up to 10 DECT6 or DECT7 wireless headsets and up to 200 DECT7 wireless headsets in broadcast mode. The ComHub provides secure, interference-free, full-duplex communication with Sonetics wireless headsets in up to a 1,600-foot line-of-sight radius from the ComHub. Connect virtually any portable or mobile radio and key push-to-talk radio communication from a properly configured Sonetics wireless headset.

WIRELESS DECT7 COMMUNICATION
Wireless, full-duplex communication with up to 1,600-feet of range in high-definition, wideband audio.

BROADCAST MODE
Connect up to 200 Apex 3-Series wireless headset users in power-saving broadcast mode for training, tour groups or educational settings. Transition to talk mode temporarily with the PTT headset button.

WIDEBAND AUDIO
Wireless DECT7 communications transmit in high-definition, wideband audio for greater voice clarity and integration with voice-activated control systems. This feature is defeatable when narrowband communication is necessary.

MULTI-CHANNEL SYSTEM
Remote selection of up to five channels via Apex 3-Series wireless headset dome buttons.

TWO-WAY RADIO INTEGRATION
Connect any portable or mobile radio using a Sonetics Portable Radio Adapter and transmit via a connected wireless headset’s radio PTT button. Configure individual headsets for radio PTT or intercom-only.

DECT7 ENCRYPTION
The SON150 uses the latest digital encryption to ensure privacy.

PROXIMITY PAIRING
For an additional layer of security, the SON150 will only pair with DECT7 units in close proximity.

USB PROGRAMMABLE
Use your Windows PC to configure the SON150 Wireless Base Station through its built-in USB port. Customize each feature and setting for your individual application.

SCH305/310 WIRELESS DECT7 PORTABLE COMHUB
Connect up to 10 Apex wireless headsets in full-duplex and up to 200 listen-only connections in broadcast mode.

APEX 3-SERIES WIRELESS DECT7 PORTABLE COMHUBS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Radio Interface</th>
<th>Full Duplex Connections</th>
<th>Broadcast Connections</th>
<th>Battery Life</th>
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<tbody>
<tr>
<td>SCH305</td>
<td>5/100-User ComHub</td>
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<td>100</td>
<td>24 hrs</td>
</tr>
<tr>
<td>SCH310</td>
<td>10/200-User ComHub</td>
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**FEATURES**

**WIRELESS DECT7 COMMUNICATIONS**
- Full-duplex team communication, just like a mobile conference call
- Connect up to ten (10) Sonetics DECT6 or DECT7 wireless headsets
- Up to 1,600 line-of-sight range to the wireless base station
- Interference-free communication
- 35-bit DECT digital encryption ensures security and privacy
- Backward compatible with first generation Sonetics DECT and DECT6 wireless headsets and belt packs

**TWO-WAY RADIO INTEGRATION**
- Connect any portable two-way radio with a Sonetics Portable Radio Adapter
- Transmit using a Sonetics wireless headset’s radio PTT button
- Configure individual headsets for radio transmit or intercom only

**MULTI-CHANNEL SYSTEM**
- Select from five separate channels for multiple teams
- Remote channel selection via paired APX377 or APX379 wireless headsets

**BROADCAST MODE**
- Connect up to 200 wireless headsets in this listen-only, power-saving mode
- Transition momentarily to an open talk position; audio tone confirmation

**WIDEBAND AUDIO**
- High-definition, wideband transmission format
- Superior clarity for voice-activated control system integration
- Defeatable when narrowband communication is required

**PROXIMITY PAIRING**
- For additional security, SON150 only pairs with DECT7 units in close proximity

**USB PROGRAMMABLE**
- Create your own custom feature set via the Windows PC interface

**APEX 3-SERIES WIRELESS DECT7 PORTABLE COMHUBS**

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**SPECIFICATIONS**

**COMMON DECT SPECIFICATIONS**
- Carrier Spacing: 1.724 MHz
- Time Slots: 2 x 12 (up and down stream)
- Channel Allocation: Dynamic
- Encryption: DECT Standard Cipher with 35-bit initialization vector
- Audio Bandwidth: 300 Hz to 3.4 kHz, Narrow Band, G.726 compression
- Audio Bandwidth: 50 Hz to 7 kHz, Wide Band, G.722 compression

**DECT7 REGION 1 SPECIFICATIONS**
- Authorized for use in: Canada, USA
- Frequency Bandwidth: 1919.808 MHz to 1930.176 MHz
- Number of Carriers: 5
- Total Time Slots: 60 in G.726 (narrow band) / 30 in G.722 (wide band)
- Average Output Power: 4 mW
- Maximum Output Power: 100 mW
- Range (line of sight): 1,600 feet maximum

**PHYSICAL**
- Length: 8.2in
- Width: 6.1in
- Height: 3.4in

**POWER**
- Voltage Input: 9 VDC to 16 VDC
- Maximum Current Input: 2A @ 12V

**FCC**
- FCC ID: V9N950325700V1
- FCC Part 15: All Models

**ENVIRONMENTAL**
- IP Rating: IP67
- Operating temperature: -40°F (-40°C) to +140°F (+60°C)
- Storage temperature: -40°F (-40°C) to +140°F (+60°C)

**MIL SPEC**
- Humidity: MIL-STD 810F and 810G
- Temperature Shock: MIL-STD 810F and 810G

**SAE**
- Vibration: J1455 Sec. 4.9
- Conducted Immunity: J1113-11
- Electrostatic Discharge: J1113-13
- Radiated Emissions: CISPR 25
- Radiated Immunity: ISO 11452-2

**ISO**
- Conducted Transients per 7637-2