Sonetics®

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

Sonetics

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
- ✔ Public Works
- ✔ Manufacturing
- ✔ First Responders
- ✔ Food Processing
- ✔ Utilities
- ✔ Heavy Recovery Towing
- ✔ Marine

APX377

DECT7 WIRELESS HEADSET
WITH ADVANCED HEARING PROTECTION

PERSONAL — Individual wireless communication headsets with hearing protection

TEAM — Connect teams of 2 to 2,000 with portable or installed wireless systems

ENTERPRISE — Wireless performance, reliability, security and cost-savings for up to 2,000 users

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[1]
Wireless communication with maximum range in high-definition, wideband audio. Integrates with Sonetics Team and Sonetics Enterprise systems (from 2 to 2,000 users).
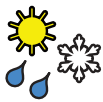
DECT7 MULTI-CHANNEL[2]
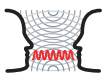One-to-many channels; headsets scale to your team.

RADIO TRANSMIT
Direct-wire interface with any portable radio with a Sonetics PR Adapter (*sold separately*).
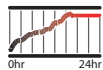
RUGGED
Built to withstand environmental extremes, the APX377 is dustproof and watertight.

LISTEN THROUGH SITUATIONAL AWARENESS
Hear your surroundings and have face-to-face conversations while protected from dangerous noise.
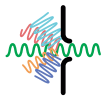
SOUND DOSIMETER
Real-time measurement of sound levels around you and at your ears. Automatically adjusts sound levels to comply with OSHA standards.

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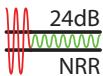
NOISE CANCELLING MICROPHONE
Be understood even in the loudest environments.

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

HEARING PROTECTION
Passive noise reduction eliminates unsafe noise.

1. Requires Sonetics DECT Base, ComHub or MiniHub.
2. Requires multi-channel DECT or IP-DECT Base, ComHub or MiniHub.

APX377 DECT7 WIRELESS HEADSET WITH ADVANCED HEARING PROTECTION

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

Over-the-head   Behind head   Hardhat adapter*

CHOOSE YOUR COLOR
Personalize and identify with silicone ruggedizers.

APX377 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 - 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

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

Quality Management System ISO 9001:2008

APEX 3-SERIES PRODUCT LINE

Model	Description	Mic	Bluetooth	DECT7
APX379	DECT7 Wireless Bluetooth Headset	●	●	●
APX377	DECT7 Wireless Headset	●		●
APX375	Wireless Bluetooth Headset	●	●	
APX373	Radio Transmit Headset	●		
APX372	Listen-Thru Hearing Protector			

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.

APX379

PERSONAL | Individual wireless communication headsets with hearing protection

TEAM | Connect teams of 2 to 2,000 with portable or installed wireless systems

ENTERPRISE | Wireless performance, reliability, security and cost-savings for up to 2,000 users

DECT7 WIRELESS COMMUNICATIONS[1]
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[2]
One-to-many channels; headsets scale to your team.

Bluetooth-ENABLED
Make a phone call, listen to music, or talk on your radio wirelessly via Bluetooth.
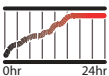
RADIO TRANSMIT
Direct-wire interface to any portable radio with a Sonetics PR Adapter (*sold separately*).
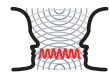
RUGGED
Built to withstand environmental extremes, the APX379 is dustproof and watertight.

SOUND DOSIMETER
Real-time measurement of sound levels around you and at your ears. Automatically adjusts sound levels to comply with OSHA standards.
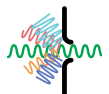
0hr | 24hr

LISTEN THROUGH SITUATIONAL AWARENESS
Hear your surroundings and have face-to-face conversations while protected from dangerous noise.
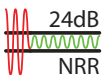
AUTOMATIC LOUD NOISE SUPPRESSION
The APX379 automatically limits high impulse noises such as gunshots as they are transmitted to the user in Listen-Through mode.

NOISE CANCELLING MICROPHONE
Be understood even in the loudest environments.

24dB HEARING PROTECTION
Passive noise reduction eliminates unsafe noise.
NRR

1. *Requires Sonetics DECT Base, ComHub or MiniHub.*
2. *Requires multi-channel DECT or IP-DECT Base, ComHub or MiniHub.*

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.

APX379 WIRELESS DECT7 HEADSET WITH *Bluetooth* AND ELECTRONIC HEARING PROTECTION

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

Over-the-head | Behind head | Hardhat adapter*

CHOOSE YOUR COLOR
Personalize and identify with silicone ruggedizers.

APX379 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)

APEX 3-SERIES PRODUCT LINE

Model	Description	Mic	Bluetooth	DECT7
APX379	**DECT7 Wireless Bluetooth Headset**	●	●	●
APX377	DECT7 Wireless Headset	●		●
APX375	Wireless Bluetooth Headset	●	●	
APX373	Radio Transmit Headset	●		
APX372	Listen-Through Hearing Protector			

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

Quality Management System ISO 9001:2008

PROTECT YOUR INVESTMENT WITH COMCARE EXTENDED SERVICE PROGRAMS

PROTECTED BY ComCare™ Extended Service Program

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.

M1803D

SON150

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 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.

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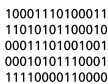
MULTI-CHANNEL SYSTEM
Select from two channels remotely via Apex 3-Series wireless headset dome controls.

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

External antenna included

Accessory antenna

USB port

DC power   Radio transmit   Intercom

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

Magnetic

Permanent

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

PROTECT YOUR INVESTMENT WITH COMCARE SERVICE PROGRAMS

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.

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

SCH305/310

WIRELESS DECT7 PORTABLE COMHUB

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.

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.

DECT7 wireless

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.

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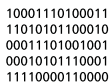
MULTI-CHANNEL SYSTEM
Remote selection of up to five channels via Apex 3-Series wireless headset dome buttons.

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.

PORTABLE
Rugged nylon carry bag with shoulder strap and hanger hook.

APEX 3-SERIES WIRELESS DECT7 PORTABLE COMHUBS

Model	Description	Radio Interface	Full Duplex Connections	Broadcast Connections	Battery Life
SCH305	5/100-User ComHub	•	5	100	24 hrs
SCH310	10/200-User ComHub	•	10	200	12 hrs

SCH305/310 WIRELESS DECT7 PORTABLE COMHUB

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 compatibile 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

Model	Description	Radio Interface	Full Duplex Connections	Broadcast Connections	Battery Life
SCH305	5/100-User ComHub	●	5	100	24 hrs
SCH310	10/200-User ComHub	●	10	200	12 hrs

PROTECTED BY
ComCare™
Extended Service Program

PROTECT YOUR INVESTMENT WITH 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. To learn more, talk with your Sonetics dealer or visit soneticscorp.com/support/comcare.

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

INDUSTRY CANADA

IC UPN: 7895A-950325700

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

THE BLUETOOTH COMHUB ADVANTAGE

The ComHub is the foundation of the Sonetics Wireless Communication System. The Bluetooth ComHub has all the features and functionality of the standard ComHub, supporting full duplex, conference call-like digital communication between Sonetics Wireless Headsets.

Now with the addition of Bluetooth, team communication and collaboration is taken to new levels by allowing remote users to use their cell phone, tablet or laptop to easily reach the entire team on their headsets.

IMMEDIATE BENEFITS

Supervise at a distance - call and easily reach the entire team on their Sonetics headsets.

Integrate your cell phone, tablet, or laptop via Bluetooth to call or leverage VoIP video conferencing.

New virtual tethering option allows you to connect two Bluetooth ComHubs by pairing your cell phone, tablet or laptop.

INCREASED PRODUCTIVITY

No matter the environment, getting out instructions or updates to your team when you're working remote can be difficult to manage and time consuming. Now with the Sonetics Bluetooth ComHub, you can provide direction from afar on a one-to-many basis. With your team aligned and ready to tackle next steps, your day just got easier.

ENHANCED TRAINING

Make remote training more effective by leveraging your favorite web conferencing tool or communication app and reach your team all at once. Headset users can hear you and communicate back via their Sonetics Wireless Headsets as they watch your training or presentation in real time.

SONETICS WIRELESS COMMUNICATION SOLUTIONS

Work teams use wireless headsets to improve communication, protect hearing, and increase productivity in high-noise environments.

APEX**CONNECT**

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.

HANDS-FREE, FULL-DUPLEX COMMUNICATION
Easily talk with your team while keeping your hands on your work.

BRING YOUR OWN HEADSET OR SPEAKER
Pair your favorite Bluetooth headset, headphones, speaker, or plug in a wired headset.

ULTRA-PORTABLE & LIGHTWEIGHT
Clip Sonetics Apex Connect to your belt, slide it in a pocket, or mount it on your dashboard.

DURABLE DESIGN
Rugged, watertight and dust resistant with IP67 rating.

POWER & RANGE
Ready when and where you need it most with 24 hours of battery life and 800 feet of range.

AUTO NOISE GATE
Apex Connect automatically sets the optimum mic reduction setting by continuously adjusting the noise gate.

The **Sonetics Apex Connect** can pair with your favorite Bluetooth® headsets, headphones or plug in a wired headset to communicate effortlessly to those in high noise environments on Sonetics headsets. Increase productivity and efficiency by making sure no one's left out of the conversation.

Accessories

- Magnetic Belt Clip
- Magnetic Wearable Clasp
- USB Wall Adapter / USB-C Cable
- DC Charging Adapter

APEXCONNECT

FEATURES

CONNECTIVITY

Bluetooth hands-free profile

Connect a headset via Bluetooth or directly via the auxiliary jack

Connect into Sonetics Team Systems

STATE-OF-THE-ART VOICE QUALITY

Adaptive audio processing for low noise voice quality

ROBUST DESIGN

Large, damage resistant push to talk button

Small, portable design with optional belt clip attachments

Enhanced durability and drop resistant

IP67 Rating - dust-proof and sealed against salt and immersion

Reinforced jacks and buttons

LONG-LASTING POWER SOURCE

24-hour rechargeable lithium-ion 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

Convenient USB-C charging jack

TOTAL CONFIGURABILITY

Features are custom programmable to user specifications

Programmable microphone gain

Voice prompts for easy feature navigation and feedback

CUSTOMIZABLE

Wear on belt, slide into pocket, or mount on your dashboard

Compatible with cell phone type magnetic mounts

SPECIFICATIONS

DECT7® WIRELESS TECHNOLOGY

Dynamic channel allocation

DECT Standard Cipher with 35-bit initialization vector

Frequency Bandwidth: 1920 MHz to 1930 MHz

DECT Range: 800 ft.

WIRELESS *Bluetooth* TECHNOLOGY

Bluetooth 5.0/4.2 with secure simple pairing

Frequency: 2400 MHz-2485 MHz

Power: 2.4 mW / 4 dBm

PHYSICAL

Weight: 5.8 oz (8.1 oz w/ belt clip)

Color: Black

Button overload resistance: 100lbs

Button life: 200k cycles

IEC 60068 tumble testing: 300 cycles

POWER

3.7V rechargeable lithium ion battery

More than 24 hours of battery life at 77°F (25°C)

Charge time: 4 hours

AC Charge Source: supplied; USB Wall Charger 5V, 2.4A

DC Charge Source: 5V, 1A minimum, cable supplied

Over voltage, under voltage, over current and over temperature protection

ENVIRONMENTAL

IP67 Rating

Operating temperature -22°F (-30°C) to +140°F (+60°C)

Storage temperature -40°F (-40°C) to +122°F (+50°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

Quality Management System ISO 9001:2008

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 three years from the date of purchase. Learn more at www.sonetics.com/service-and-support.