

SCH305

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.

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 100 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.



CABLE TETHERING

Connect two teams together in a single talk group when you tether your SCH305 to a second SCH305 or SCH310T ComHub (requires included CAT5 Crossover Cable)



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.

WIRELESS DECT7 PORTABLE COMHUB

The Sonetics Wireless ComHub is the heart of a Sonetics Portable Wireless Communication System. The SCH305 ComHub supports full duplex, conference call-like digital communication between up to five Sonetics DECT7 Wireless Headsets. Radio PTT-capable headsets can be configured to transmit on a portable radio via the ComHub. For situations that require a large number of connected users, such as education or tour groups, Broadcast Mode supports up to 100 users. Tethering your SCH305 with a second ComHub (SCH305 or SCH310T) lets you connect two teams in a single talk group. SCH305 ComHubs also have DECT channel capability, allowing users to talk on up to five different channels.



SCH305 WIRELESS DECT7 PORTABLE COMHUB

Connect up to 5 Apex wireless headsets in full-duplex and up to 100 listen-only connections in broadcast mode.



CARRY BAG

Rugged nylon carry bag, integrated shoulder strap and hanger hook.



EXTERNAL ANTENNA

Increases placement flexibility. Magnet or permanent mount.

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/T	10/100-User ComHub	•	10	100	12 hrs

SCH305 WIRELESS DECT7 PORTABLE COMHUB

FEATURES

WIRELESS DECT7 COMMUNICATIONS

- Full-duplex team communication, just like a mobile conference call
- Connect 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
- 35-bit DECT digital encryption ensures security and privacy
- 64-bit audio stream encryption

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

CABLE TETHERING

- Connect two teams of up to 20 users in a single talk group
- Tether to SCH305 or SCH310T (*requires included CAT5 Crossover Cable*)

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 100 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

SCH305 COMHUB SPECIFICATIONS

PHYSICAL

- Length: 8.2 in.
- Width: 6.1 in.
- Height: 3.9 in.
- Weight: 2.75 lbs.

POWER

- Voltage Input: 5 VDC to 16 VDC
- Maximum Current Input: 1.2A @ 12V

ENVIRONMENTAL

- IP Rating: IP-67
- Operating temperature -22°F (-30°C) to +140°F (+60°C)
- Storage temperature -40°F (-40°C) to +140°F (+60°C)

SON150 BASE STATION SPECIFICATIONS

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
- Quality Management Control System: ISO 9001:2015

DECT 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 and 64-bit audio stream encryption
- 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
- Total Time Slots: 60 in G.726 (narrow band) / 30 in G.722 (wide band)
- Average Output Power: 4mW
- Maximum Output Power: 100mW
- Range (line of sight): 1,600 feet maximum



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.