SCH 305/310

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
10001110100011
11010101100010
00011101001001
00010101110001
11110000110000
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

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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

M1611B