Sonetics_®

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 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.

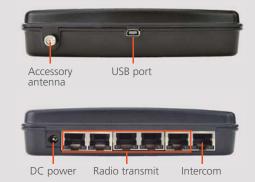
WIRELESS DECT7 BASE STATION

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.

SON150 WIRELESS DECT7 BASE STATION







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 complimentary 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

