

# 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.

### DECT7 wireless

#### 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.

```
10001110100011
11010101100010
00011101001001
00010101110001
11110000110000
```

#### 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



External antenna included



Accessory antenna

USB port



DC power

Radio transmit

Intercom



Magnetic



Permanent

#### ACCESSORY ANTENNAS

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

## 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



### 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](http://soneticscorp.com/support/comcare).