

# Sonetics Digital Intercom

## SON200 Series DIGITAL INTERCOM

### SON201, SON202, SON203, SON204

The Sonetics SON200 Series Digital Intercoms allow users to connect up to four radios for simulcast interoperability between multiple crews, departments, contractors, or jurisdictions to improve operational efficiencies and worker safety. The Digital Intercom is customizable to accommodate new or existing radio and intercom configurations, interfaces up to four additional devices including cell phone, and is 100% compatible with existing Sonetics installations.

Model	Headset and/or Wireless Base Station Connections	Radio Connections	Aux I/O Connections
SON201	6	1	1
SON202	8	2	2
SON203	10	3	3
SON204	10	4	4

#### Easy Upgrade – Backward Compatible

Same electronic and physical connections as SON104 intercom; works with wired and wireless systems

#### Radio Simulcast Capable

Each radio can be independently selected for listen-only or transmit

#### Rugged Design

Steel case; Operates from -40°C to +80°C (-40°F to +176°F); 11-30VDC power

#### Multiple Aux In/Outputs

Front panel control of up to four auxiliary devices with active input indication

#### Radio Activity Indicator

Each radio control indicates active receive or transmit traffic

#### Priority Radio Select

Overrides all other inputs for transmit

#### Weatherproof Remote Head

Rated IP67 for outdoor use

#### Independent Volume & Squelch

Set and hold for each radio and Aux

#### Wired Headset Control

Front panel headset volume and squelch control

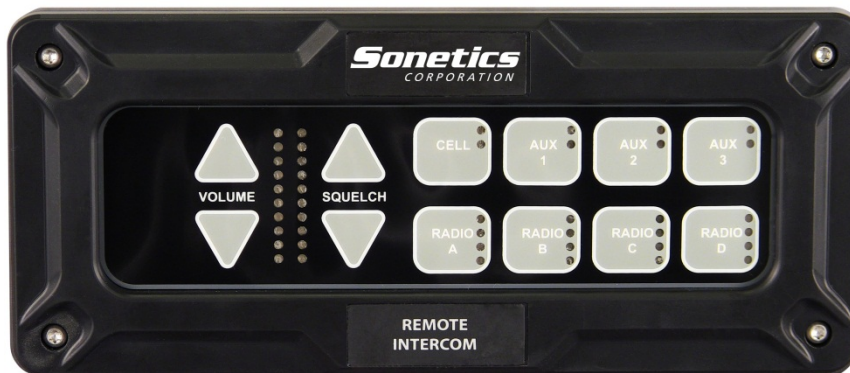
#### Remote Head Extends Controls

Duplicates all controls and indicators for remote use (up to 1000ft. via cable)

SON204



SON204RH



### INTERCOM SPECIFICATIONS

Physical	Environmental
Weight: 42.6 oz. (without mounting bracket)	Operating temperature: -40°F to 176°F (-40°C to 80°C)
Dimensions: 6.6"D x 6.1"W x 2.0"H (with mounting bracket)	Storage temperature: -40°F to 176°F (-40°C to 80°C)
Performance	SAE
Digital encoding for secure, interference-free communications	Vibration per J1455 Sec. 4.9
Supports mix of up to 10 wired headsets and/or wireless base stations	Conducted Immunity per J1113-11
Power	Electrostatic Discharge per J1113-13
9-17VDC; 1A at 12V nominal	Radiated Emissions per J1113-41
MIL	Radiated Immunity per J1113-21
Humidity per MIL-STD 810F and 810G	ISO
Temperature Shock per MIL-STD 810F and 810G	Conducted Transients per 7637-2

### REMOTE HEAD SPECIFICATIONS

Physical	Environmental
Weight: TBD	Operating temperature: -40°F to 176°F (-40°C to 80°C)
Dimensions: 0.5"D x 7.2"W x 3.1"H	Storage temperature: -40°F to 176°F (-40°C to 80°C)
Power	Ingress Protection: IP67 – dust-tight; water-tight at ≤1meter immersion
Supplied by intercom; 80mA (add to Intercom fuse rating)	SAE
MIL	Vibration per J1455 Sec. 4.9
Humidity per MIL-STD 810F and 810G	Conducted Immunity per J1113-11
Temperature Shock per MIL-STD 810F and 810G	Electrostatic Discharge per J1113-13
Chemical exposure per MIL-STD 810F and 810G	Radiated Emissions per J1113-41
ISO	Radiated Immunity per J1113-21
Conducted Transients per 7637-2	Salt spray per J1455, Sec. 4.3

### FEATURES

Advanced functionality	Flexible Auxiliary connections
Up to 10 inputs for headsets or wireless base stations – up to 40 users	Up to 4 Aux in/outputs for computers, GPS, cell phones, MP3, etc.
Priority headset input	Radios and cellular phones interface using modular components
Installs in/on dash and/or with optional weatherproof remote head	Touch controls for easy operation while driving
Fully digital platform with customized factory programming available	Volume is instantly adjustable via touch pad
Multiple radios	Easy-to-read illuminated display shows continuous system status
Monitor up to 4 radios simultaneously; transmit on one or more radios	Advanced Digital Signal Processing noise-reduction circuitry
Indication of transmit and receive on every radio and aux connection	Clear voice communication – no 'clipped' words or background noise
Interfaces with over 400 different radios via "plug & play" connections	Engineered durability
	Steel housing protects against heat, moisture, and impact damage
Compatibility	Long-life 5 million cycle button faceplate
Compatible with existing Sonetics Base Stations and wired headsets	Easy-to-clean face-plate
Compatible with existing Sonetics mobile radio interface cables	Wide-range operating voltage: 11VDC to 30VDC
Electronic and connection compatible with SON104 intercom	Optional remote head is IP67 rated water and dust-resistant for mounting outdoors and on vehicle exteriors