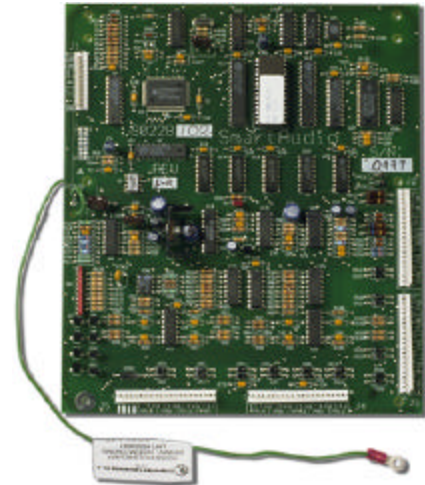


## Smart Audio Module

The Smart Audio Module (SAM) adds audio detection capability to the Base Module, while screening out many common environmental sounds. The SAM continuously scans its audio channels, and analyzes sounds according to a predetermined audio algorithms or patterns. If a noise is determined to be a possible intrusion, the monitoring console is contacted. When a sound is deemed environmental, there is no call to the central station. The Base Module can interface and control up to 8 Smart Audio or Listen-In Modules.



### DIMENSIONS (PCB Footprint)

- Size: 7.25" W x 8.5" H (18.41cm x 21.59cm)

### OPERATING ENVIRONMENT

- 0° F to 122° F (-18° C to 50° C)

### POWER REQUIREMENTS

- 200mA at 12VDC from Base Module or optional SPS12V1A-S Power Source

### AUDIO

- Digital Signal Processing (DSP) monitors 8 audio channels for intrusion detection
- Each audio channel assignable to any of 8 separate arming partitions
- Sensitivity adjustable from central station
- 16 audio sensor inputs (two per audio channel)
- Programmable audio sensor self-test at system arming and disarming
- Balanced audio output to Base Module
- Audio sensors announce Chime Mode and Entry/Exit Alert
- One second pre-impact and four seconds post impact, followed by live audio

### AUXILIARY INPUTS

- "No AC" and "low battery" inputs to monitor the status of an optional SPS12V1A-S power source

### COMMUNICATIONS

- Base Module RS-485 Communication link up to 2,000 feet maximum with 22 AWG shielded twisted pair cable

### MOUNTING

- Mounts locally inside Base Module enclosure or remotely inside an optional enclosure up to 2,000 feet from the Base Module

### PART NUMBERS

#### Modules/PCBA's

SON SAM	Smart Audio Module with Installation Kit
SON SAM ULC	Smart Audio Module with Installation Kit, Canada PCB, Expansion Module
90231101	

#### Associated Items

SPS12V1A-S	Power Supply, 12VDC, 1 amp
SPS12V1A-S ULC	Power Supply, 12VDC, 1 amp for Canada
90237100	Standard Enclosure, Sonitrol logo with lock and key
90244100	Small Enclosure, Sonitrol logo with lock and key
40003401	Enclosure Tamper Switch Kit
09500005	Battery, 12V, 7AH Gel Cell
09840032	SAM Installation Instructions
09840009	SPS12V1A-S Installation Instructions