Introducing the Sonance Professional Series

From Sonance, the company that created the architectural audio category comes a range of professional loudspeakers that set a new benchmark in sound quality and aesthetics for commercial environments.

Sonance Professional Series includes a range of In-Ceiling, Pendant and Surface Mount Speakers that deliver unequalled fidelity, extremely low distortion, wide dispersion and a smooth power response. The range also shares consistent voicing, ensuring seamless sonic integration when used together throughout a space.

Sonance Professional Series PS-S63T Surface-Mount Speaker features the Patented FastMount® bracket and front cable connection to speed up the installation process and provide a clean appearance.

The IPX4 rated construction features a weatherproof high-impact, extreme temperature resistant cabinet and corrosion-proof powder coated aluminum grille, lending itself perfectly in both indoor and outdoor applications.

A high excursion 6.5” polypropylene woofer delivers effortless low bass extension, even at high volumes, while the chambered 1” soft dome tweeter provides accurate high-end detail and exceptional coverage.

Additionally, the Sonance PS-S63T is certified for is certified for UL 1480 (UEAY) and 2239.

Available in either black or white (paintable).

Features & Benefits

Performance
- Class-leading sensitivity & sonic performance
- Exceptional off-axis response
- Heavy-duty voice coil for longevity and reliability
- Full-fidelity transformer for uncompromised 70V/100V tonality
- Consistent voicing across product range

Aesthetics
- Clean and minimalistic design
- Available in black or white (paintable)

Installation
- FastMount® bracket system for easy installation
- Front-located cable connector and tap selector
- Connector and tap selector cover
- Corrosion-resistant powder coated aluminum grille

Applications
- Shopping Malls, Retail Spaces & Showrooms
- Restaurants, Bars & Lounges
- Galleries, Museums & Amusement Parks
- Casinos, Convention Centers & Hotels
- Houses of Worship & Educational Facilities
- Sporting Facilities
- Marinas, Piers & Wharfs
Specifications

PS-563T WHITE  PS-563T BLACK

LOUDSPEAKER
Frequency Range (-10dB): 49Hz – 25kHz
Frequency Range (-3dB): 65Hz – 20kHz
Power Capacity: 120 Watts Continuous Program Power
Nominal Sensitivity: 88dB
Nominal Coverage Angle: 90 degrees x 90 degrees coverage
Directivity Factor (Q): 6.5
Directivity (DI): 7.9dB
Rated Maximum SPL: 108dB @ 1 meter (3.3 feet) average, 116dB peak
Rated Impedance: 8 Ohms nominal, 6 Ohms minimum
Transformer Taps:
- 70V: 60W, 30W, 15W and 7.5W
- 100V: 60W, 30W and 15W
Crossover Point: 2750Hz
Overall Dimension: 12.14” Height x 7.51” Width x 6.86” Depth
(309mm x 191mm x 174mm)
Net Weight: 11.43 lbs (5.18kg) each
Shipping Weight: 31.26 lbs (14.18kg) pair
Unit of Measure: Pair
Color: Black or White
Grille: Powder Coated Aluminum Friction Fit

TRANSDUCERS
LF Driver: 6.5” (165mm) Polypropylene Cone, Butyl Rubber Surround
HF Driver: 1” (25mm) Cloth Dome, Ferrofluid cooled

ENCLOSURE
Input Connectors: Front-mounted four pin, Euroblock with loop output connections
Safety Agency: UL 1480, UL 2239, NFPA 70
Mounting Bracket: U-Bracket with Sonance FastMount
Environmental & UV: Conforms to MIL-STD-810 for humidity, salt spray, temperature, IEC 529 IPX4 splash-proof rating

Included Accessories
- Euroblock Connector x 2
- FastMount Bracket x 2
- Terminal Cover x 2
- Grille x 2

Optional Accessories
- Replacement Grille White (pair) | 93164
- Replacement Grille Black (pair) | 93165
Performance Measurements

1 METER ON AXIS FREQUENCY RESPONSE

1 METER HORIZONTAL FREQUENCY RESPONSE

IMPEDANCE vs FREQUENCY
Performance Measurements

### BEAMWIDTH vs FREQUENCY

![Graph showing beamwidth vs frequency]

**Horizontal**

**Vertical**

### DIRECTIVITY INDEX vs FREQUENCY

![Graph showing directivity index vs frequency]

### 1 METER VERTICAL FREQUENCY RESPONSE

![Graph showing vertical frequency response]

- **0 deg**
- **10 deg**
- **20 deg**
- **30 deg**
- **40 deg**
Polar Plots (1/3 Octave)
Polar Plots (1/3 Octave)
**Dimensional Sketches**

**Specifications**

**PS-563T Loudspeaker**
- Height: 12.14" (308mm)
- Width: 7.51" (191mm)
- Depth: 6.86" (174mm)

**S6 Mounting Bracket**
- Height: 12.657" (322mm)
- Width: 4.527" (115mm)
- Wall Mount: 7.48" (190mm)
- Ceiling Mount: 8.268" (210mm)
Architectural Specifications

The loudspeaker shall be of the two-way type comprising a single surface-mount injection-molded ABS enclosure containing one 6.5" (165mm) polypropylene cone, butyl rubber surround low frequency transducer and one coaxially mounted 1" (25mm) cloth dome, chambered ferrofluid cooled high frequency transducer. It shall utilize a powder coated corrosion-resistant aluminum grille with friction-fit. Frequency range shall be 65Hz – 20KHz (-3dB). Total power handling shall be 60 Watts continuous pink noise and 120 Watts program. Sensitivity measured with 2.83 volts input at 1 meter on axis averaged between 65Hz – 20KHz shall be 88dB. The unit shall be supplied with a line-matching transformer suitable for 100 volt or 70 volt with a front-mounted control allowing user selectable power taps of 60W, 30W, 15W, and 7.5W (70V) and an 8 Ohm bypass. The speaker shall include a FastMount bracket that allows for a full 180° of pivot while keeping the speaker less than 1" from the mounting surface. Wire shall be terminated on the front of the enclosure via a four-pin Euroblock connector with loop-through and fed through a Protected Access Connection Terminal. The system shall be certified for UL 1480 (UEAY) and UL 2239 and conform to MIL-STD-810 for humidity, salt spray, temperature and UV IEC 529 and meet or exceed an IPX4 splash proof rating. External dimensions shall be 12.14" Height x 7.51" Width x 6.86" Depth (308mm x 191mm x 174mm). The total enclosure shall weigh 5 lbs. (2.27 kg) per unit. It shall share consistent voicing with other form factors and sizes within its product family so as to provide continuity of sonic signature when combined within a project. The loudspeaker shall be the Sonance Professional Series PS-S63T. No other system shall be acceptable unless the above combined performance specifications are equal or exceeded.

Safety Agency Compliance

Sonance Professional Series In-Ceiling Speaker are compliant with:


NFPA 70: 2002 National Electrical Code

ENVIRONMENTAL AND UV: Conforms to Mil Spec 810 for humidity, salt spray, temperature, IEC 529 IP-X4 splash-proof rating.

Warranty, Remedy, Exclusions and Limitations (USA only)

Limited Warranty

Sonance warrants this product to the original purchaser to be free from defects in material and workmanship, under normal use and conditions, for a period of five (5) years from the date of original purchase as shown on the invoice.

The foregoing exclusive warranty gives you specific legal rights, and you may have other rights, which vary from state to state. This warranty applies exclusively to the original purchaser.

The exclusive warranty does not apply and is ineffective if:

1. The invoice fails to establish that the product was purchased from an authorized Sonance dealer or distributor;
2. The product was subjected to misuse, neglect, accident, or improper installation. (Damage to the product was caused by accident, abuse or misuse);
3. The product was modified, altered, or repaired by unauthorized personnel; or
4. The unit was not used as described in the installation and operating instructions.

Exclusive Remedy

Sonance agrees, at its option during the five (5) year warranty period, to repair any defect in material or workmanship or to furnish an equal product in exchange without charge to the purchaser, subject to the verification of the defect and proof of the date of purchase.

Warranty Exclusions and Damage Limitations

The exclusive warranty set forth above is in lieu of all other warranties, express or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose, which are expressly disclaimed. In no event, and under no circumstances or legal or equitable theory, shall Sonance be liable or responsible for any direct or indirect damages, consequential damages, loss, or injury, including without limitation, personal injury, bodily injury, property damage, emotional distress, death, real property or personal property damage, business interruption, costs of delay or lost profits arising from the product, wether based upon warranty, contract, negligence, strict product liability or other theory.
## Associated Products

### In-Ceiling Speakers
- **PS-C43RT In-Ceiling Speaker** 40130
- **PS-C63RT In-Ceiling Speaker** 40131
- **PS-C83RT In-Ceiling Speaker** 40132
- **PS-C83RWT In-Ceiling Speaker** 40133

### Pendant Speakers
- **PS-P43T Pendant Speaker White** 40134
- **PS-P63T Pendant Speaker White** 40135
- **PS-P83T Pendant Speaker White** 40136
- **PS-P83WT Pendant Speaker White** 40137
- **PS-P43T Pendant Speaker Black** 40138
- **PS-P63T Pendant Speaker Black** 40139
- **PS-P83T Pendant Speaker Black** 40140
- **PS-P83WT Pendant Speaker Black** 40141

### Surface Mount Speakers
- **PS-S43T Surface Mount Speaker White** 40142
- **PS-S53T Surface Mount Speaker White** 40143
- **PS-S83T Surface Mount Speaker White** 40145
- **PS-S83WT Surface Mount Speaker White** 40146
- **PS-S43T Surface Mount Speaker Black** 40147
- **PS-S53T Surface Mount Speaker Black** 40148
- **PS-S83T Surface Mount Speaker Black** 40150
- **PS-S83WT Surface Mount Speaker Black** 40151

### DSP Amplifier
- **Sonamp DSP 2-750 Amplifier** 93095