

# SoundLok® Sound-Isolation Room with Transcend™ Technology

A modular SoundLok® Sound-Isolation Music Practice Room, equipped with Transcend™ active acoustic technology that simulates various acoustic environments for improved music practice and musician engagement.

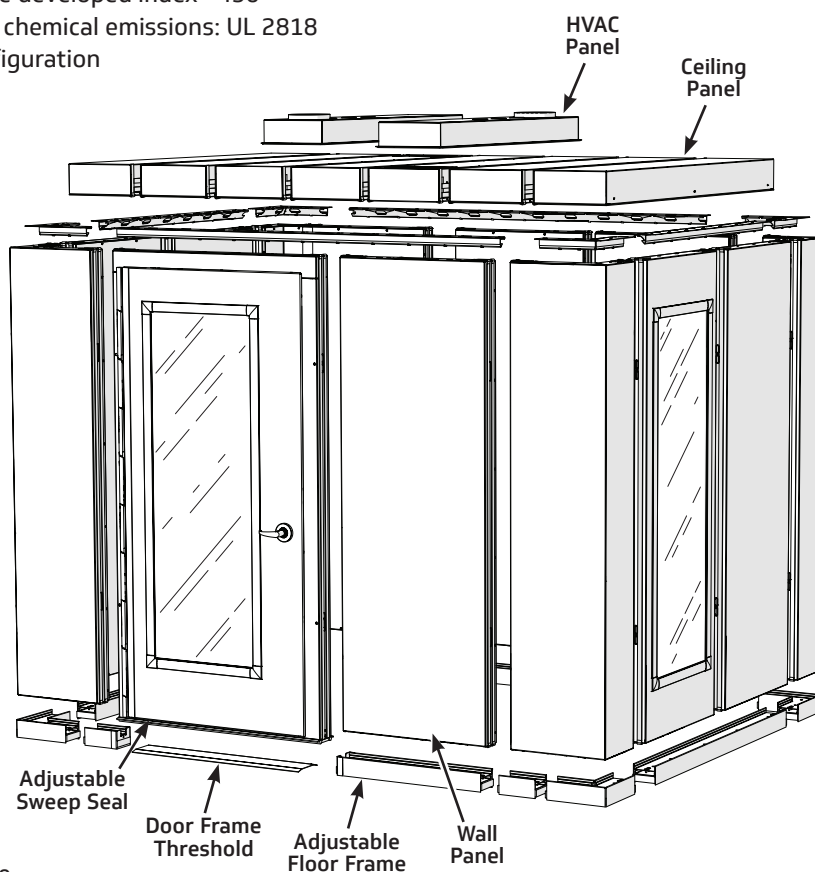
- Fully-integrated Transcend active acoustic system including user-control panel, microphones, digital signal processor, amplification, and speaker cabinets
- Transcend technology features and benefits include:
  - Nine preset acoustic environments with varying characteristics of early energy (reflections) and late decay (reverberation): practice room, baroque room, medium recital hall, large recital hall, small auditorium, medium auditorium, large auditorium, cathedral and sports arena
  - One-button record/playback feature provides instantaneous audio recording and playback; the high-quality recordings may be saved to internal storage or directly onto external USB (type-C) drive
  - Intuitive and easy-to-use, touch screen control interface
  - Bluetooth® wireless audio, enabling users to seamlessly play audio content from any Bluetooth compatible device
  - Stimulates creativity and encourages practice by relieving the tedium of playing in an acoustically "dry" practice room
  - Accelerates development of articulation, intonation, and tone in a variety of environments from very "dry" to very "live"
  - Allows practice for performances without having to schedule the performance space for rehearsal
- Wall and ceiling panels available in Oyster, Warm Sand or Vanilla finish
- Floor railings, doors, and window trim available in Charcoal Gray or Warm Beige finish
- Sound-isolating door with a full window, available in single or double-door options
- Rated Noise-Isolation Class: NIC 63 room-to-room; NIC 41 hallway-to-room
- Direct connection to building HVAC return/supply: acoustically isolated HVAC connections of STC 45
- Internal fan ventilation system to plenum (optional): NC 25
- Wall and ceiling panels flame spread index <25, smoke developed index <450
- UL GREENGUARD certified - product certified for low chemical emissions: UL 2818
- Modular construction supports relocation and reconfiguration
- Five-year warranty

## Installation Requirements

- Rectangular room sizes ranging from 5' 8" x 5' 8" to 21' 11" x 19' 5" (1727 x 1727 mm to 6680 x 5918 mm)
- Required height for installation (from finished floor to ceiling):

SoundLok Internal Room Height	Required Ceiling Height (direct HVAC ventilation)	Required Ceiling Height (fan/plenum ventilation)
7' 6" (2286 mm)	10' 7" (3226 mm)	8' 9" (2667 mm)
8' 0" (2438 mm)	11' 1" (3378 mm)	9' 3" (2819 mm)
8' 6" (2591 mm)	11' 7" (3480 mm)	9' 9" (2972 mm)
9' 0" (2743 mm)	12' 1" (3683 mm)	10' 3" (3124 mm)
9' 6" (2896 mm)	12' 7" (3835 mm)	10' 9" (3277 mm)
10' 0" (3048 mm)	13' 1" (3988 mm)	11' 3" (3429 mm)

- Closure panels recommended for improved security and a finished aesthetic
- Electrical requirements: 120 V, 20 A, 60 Hz for each room; international voltage options are available
- Ambient temperature for electronics: 32° F to 95° F (0° C to 35° C)
- Installation surface must be flat/level finished flooring
  - Variance in flatness/level of installation area not to exceed  $\pm 1/4"$  (6 mm) over 10' (3048 mm)
  - Supporting structure of 5" (127 mm) concrete span (minimum thickness) or equivalent required
  - Carpeting or wood flooring finishes should be installed inside SoundLok floor rails for optimal sound-isolation performance



**Exploded View of a Typical SoundLok Room's Modular Components and Assembly**

## Control System

- Transcend system is controlled via 5.5" (140 mm) IPS wall mounted touch panel
- Lighting, room ventilation fans and Transcend system each individually controlled by an On/Off toggle switch; UL®-Listed, CSA-approved
- Optional occupancy sensor available for automated lighting control and energy conservation

## Mechanical Systems

- Built-in, dimmable LED lighting provides 80 foot candles at 36" (914 mm) above the floor for a 7' 6" (2286 mm) high room
- ETL Certified to NFPA 70:2019 Ed.2020 and CSA C22.1:2015 Ed.23
  - Power panel includes one quad receptacle, power switches, Transcend control panel and multiple junction boxes for customer-installed devices such as fire alarms, clocks, public address speakers, etc.
  - Manufacturer supplied power connector is 20' (6096 mm) in length and requires installation by certified electrician
  - Junction boxes include EMT conduit that end out at the top of the panel
- Ceiling panels include sprinkler head knock-out and sprinkler flashing
- SoundLok doors are only compatible with cylindrical style leversets
- Plenum and ducts feature acoustic-isolating construction
  - CFM requirements for HVAC systems vary with room size
  - Internal room fan system (optional) exchanges ambient surrounding air every 1-1/2 to 2 minutes depending on room size

## Additional Options

- Window panels available in 30" (762mm), 60" (1524mm) and 90" (2286mm) widths
- Three door sizes available with various hardware options:
  - 36" (914 mm) wide single door, 48" (1219 mm) wide single door and 6' (1829 mm) wide double door with removable mullion
  - Wireless cylindrical lock (Schlage NDEB)
- Sound-isolating floating floor system; recommended for installations above grade to reduce structure-borne noise transfer from percussion instruments
- Closure panels are recommended for use between modules
- Accessories:
  - Glass mirror, 57-1/4" wide x 21-1/4" high (1454 x 540 mm)
  - Mountable tuner/metronome (Korg TM-60)

## Transcend Component Specifications

### Transcend TS-1A Processor

- Fully-integrated active acoustics, Bluetooth, instantaneous record and playback with end-user automatic calibration
- Power requirements: 100-240 V, 50/60 Hz, 15 W
- Operating conditions: 0° to 40° C (32° to 104° F)
- Data interface: USB-C / Bluetooth
- Internal storage: 131 minutes of recorded audio (44.1 kHz wav)
- Microphone inputs:
  - Phantom power: 48 V, 15 mA/CH
  - Impedance: 750 ohm
  - SNR (A): 102.2 dBA
  - THD+N: 0.002%
  - Crosstalk 106 dB
- Amplification output: 180W RMS total
- Dimensions: 17.4"w x 3.5"h x 10.3"d (442 x 89 x 272 mm)

### Transcend TS-C Touch Panel

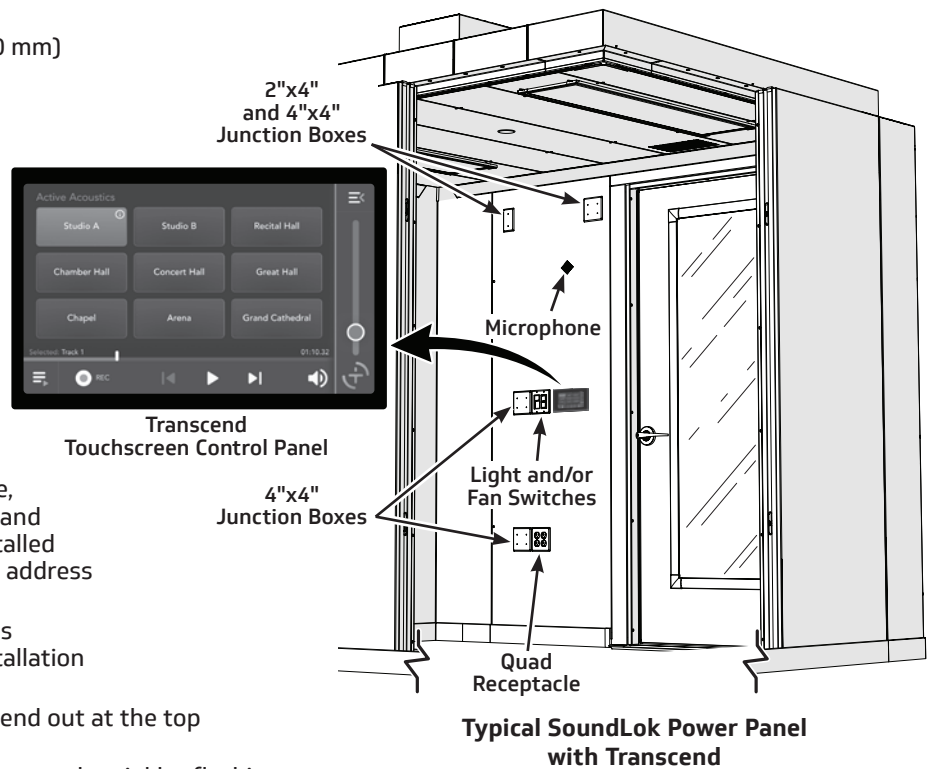
- Screen: 5.5" (140 mm) IPS, capacitive touch
- Form factor: US 3-gang duplex
- USB-C data interface, side mount
- Dimensions: 6.25"w x 1.17"d 4.05"h x (159 x 30 x 103 mm)
- Security set screw #4-40 x 1/4"

### Transcend Microphones

- Shure MX391 cardioid condenser microphone
- Frequency range: 50-17 kHz
- Maximum SPL: 119 dB
- Equivalent self-noise: 22.6 dBA

### Transcend Speakers

- Eight 3-way speaker cabinets, Wenger OEM
- Two 4" woofers, one 1" soft dome tweeter per module
- Frequency response: (+/- 3dB) 40 – 20k Hz



**Wenger**

**JRCLANCY**

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### Minnesota Location

Wenger Phone 800.4WENGER (493-6437) Wenger Worldwide +1.507.455.4100 | Parts & Service 800.887.7145 | wengercorp.com  
GearBoss Phone 800.493.6437 | gearboss.com  
555 Park Drive, PO Box 448 | Owatonna | MN 55060

### New York Location

J.R. Clancy Phone 800.836.1885 JR Clancy Worldwide +1.315.451.3440 | jrclancy.com | 7041 Interstate Island Road | Syracuse | NY 13209