

Sound-Isolated Practice Rooms with VAE™ Technology

- A sound-isolated practice room equipped with digital signal processing that allows musicians to hear themselves in a variety of acoustical environments.
- System comes with 10 pre-set acoustical environments: Practice Room, Baroque Room, Medium Recital Hall, Large Recital Hall, Small Auditorium, Medium Auditorium, Large Auditorium, Cathedral, Sports Arena and System Off.
- Accelerates development of articulation, intonation and control in a variety of environments from very "dry" to very "live".
- Effective teaching/coaching studio to train students in the relationship between the acoustical environment and instrumental technique.
- A radical new version of the "greenroom" that allows for warm-up in a more realistic environment.
- Does not require any technical expertise to operate the room. Easier than a TV remote control.
- Allows practice for performance without having to schedule the performance space for rehearsal.
- Stimulates creativity and encourages practice by relieving the tedium of playing in an acoustically "dry" practice room.
- Dimensions: 5'8" x 5'8" to 10'8" x 13'2" (173 x 173 cm to 325 x 401 cm).
- Interior ceiling height is 7'6" (229 cm).
- Weight: 2200 lbs. to 4150 lbs. (990 kg to 1867.5 kg) depending on size.
- UL®-Classified room wiring system.
- Surfaces: powder-coat painted.
- Lighting: florescent lighting with electronic ballast.
- Sound isolation: NIC = 40.
- Sound isolating door: STC = 43, with a full window.
- Internal fan ventilation system: NC 25.
- Direct connection HVAC (optional): acoustically isolated HVAC connections of STC 45.
- Wall and ceiling panels UL®-Class 1 classification for flame spread and smoke development.
- Control panel: one 18-button control panel. Nine acoustical environments, Volume Up, Volume Down, System Mute (off), Record, Stop, Play, Rewind, Fast Forward, Clear and Select buttons.

Control System

- Lighting, room ventilation fans and master power for active acoustical system each individually controlled by an On/Off toggle switch. UL®-Listed, CSA-approved.

Microphone

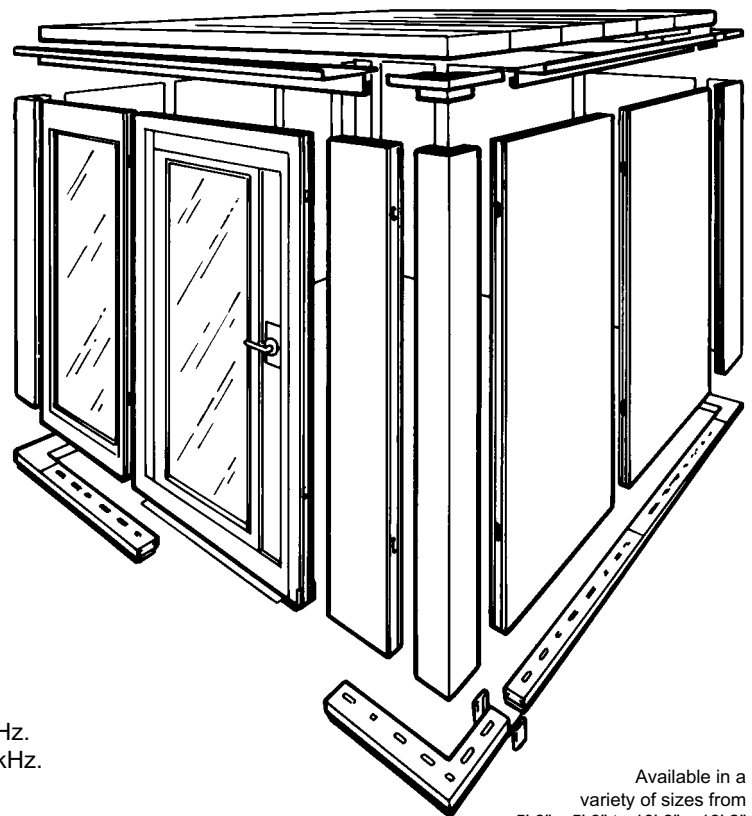
- Transducer type: self-polarized condenser microphone.
- Frequency response: 60 to 20,000 Hz.
- Signal-to-Noise ratio re 1 Pa (A-weighted): 67dB.
- Maximum sound pressure level for 1.0% THD: 115dB SPL.

Speakers

- Frequency response: On Axis (0°) +/- 2dB from 70 - 20kHz.
Off Axis (30°) +/- 2dB from 70 - 15kHz.
- Sensitivity-room/Anechoic: 89dB/86dB.
- Maximum input power: 80 watts.
- Low frequency extension: 48Hz (DIN).

Installation Requirements

- Internal room fan system typically exchanges ambient surrounding air every 1.5 to 2 minutes.
- Contact Wenger for cfm requirements based on room size.
- Ceiling height of 9' (2.74 m) for units with internal ventilation fan, 10'7" (3.23 m) for direct connect HVAC rooms.
- Closure panels suggested for improved security.
- Electrical requirements: 120V, 20A, 60Hz for each room.
- Ambient temperature for electronics 32°F to 95°F (0° to 35°C)



Available in a variety of sizes from 5' 8" x 5' 8" to 10' 8" x 13' 2" (173 x 173 cm to 325 x 401 cm). Requires minimum ceiling height of 9' (2.74 m).

Specifications

- Microphone Inputs: 2 Female XLR, Pin 2 Hot
- Input Impedance: 3000 Ohms Balanced
- Phantom Power: +24 Volt
- Gain: 38 dB
- EIN: -95 dB A-weighted @ 45 dB gain and 600 Ohm source impedance
- Maximum Input level: -15 dBu before limiting
- Frequency Response: 20 to 20 kHz within 1dB
- THD+N: 0.007%

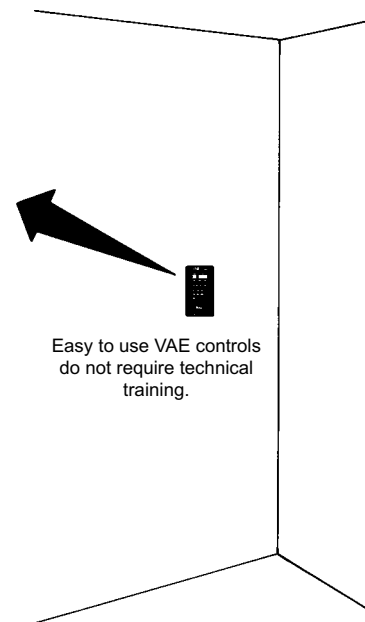
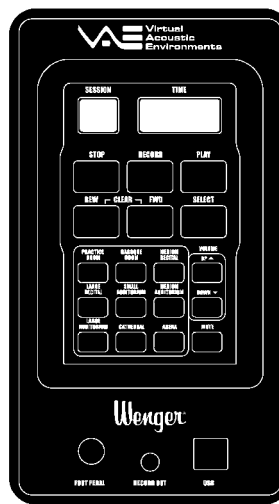
- Sample Rate: 44.1 kHz
- Dynamic Range: A/D > 100 dB, 24 Bit resolution
D/A > 100 dB, 24 Bit resolution

- Record Output: 1/8" TRS jack
Level: 0 dBu
Impedance: 330 Ohms

- Power Outputs: Four 1/4" TRS and two 4-pin EURO (5.08 mm pitch)
Output Impedance: 4/8/16 Ohm loads, safety shutdown
Frequency Response: 20 Hz to 20 kHz within 1 dB
Power into 8 Ohms: 25 watts RMS @ 1% THD
Power into 4 Ohms: 35 watts RMS @ 1% THD
S/N: 106 dB unweighted
THD: 0.001% 20 Hz to 400 Hz increasing to 0.1% at 20 kHz
(Measured at half power)
IMD: Less than 0.01%

- Remote control connector: 10-pin Molex type 42404
- USB type B socket: For downloading recorded files
- Compact Flash socket: For storing recorded sessions
- Internal 15-band 2/3 octave Equalizer
- Internal pink noise generator and real time analyzer

- Power Requirements: 100-120 Volts~ or 220-240 Volts~ 50/60 Hz
160 Watts typical
- Temperature: 0 to 40 degrees C
- Humidity: 95% max non-condensing
- Dimensions:
Main Unit: 17.4"W x 3.5"H x 11.5"D (Rack mount face is 19.0" Wide)
Remote: 5.1"W x 8.2"H x 2.375" D
- Weight:
Main Unit: 17.5 lbs.
Remote: 0.75 lbs



Conforms to the following Product Specifications:

- Safety: IEC 60065 (2002)
- EMC: EN 55013 (2001+A1), EN 55020 (1998)
- Supplementary Information: The product herewith complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC as amended by Directive 93/68/EEC.

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