

IAC MusicBox

Music Practice Rooms

Applications

- Schools
- Colleges
- Universities
- Music Academies
- Youth Organisations

Features

- BB93 compliance depending on configuration
- Provides optimum acoustic rehearsal space
- Modular design allows relocation if required
- Glazed Doors
- Silent Ventilation
- 10 Standard Colours Available
- Proven performance



www.iac-australia.com.au



making the world a quieter place

About IAC MusicBox

IAC's **new range of music practice rooms** are completely engineered environments with interior acoustic treatments, providing a variety of colours and finishes to complement any architectural design.

IAC's MusicBox is a range of affordable, modular music practice rooms, enabling musicians to rehearse and record within a controlled and self-contained environment.

IAC modular rooms are manufactured to isolate the room from external airborne noise, mitigate internally generated sounds and provide optional vibration isolation from structure-borne noise transmission.

Available in two standard models, MusicBox (single wall construction) and MusicBox Pro (double wall construction) each give guaranteed sound isolation ratings. Single wall constructed models can be configured to achieve NIC 45 whilst double wall models can reach up to NIC 65.

The prefabricated panel design of IAC's MusicBox makes for simple and cost effective installation giving dimensional flexibility and offering both solo and group practice spaces.



Custom room sizes

IAC provides custom sizes and shapes to suit your needs. Wish that your practice space could be longer or taller? Single or double walled? It's not a problem. IAC will take into account space limitations in order to maximise the volume of each and every room.

Custom room shapes

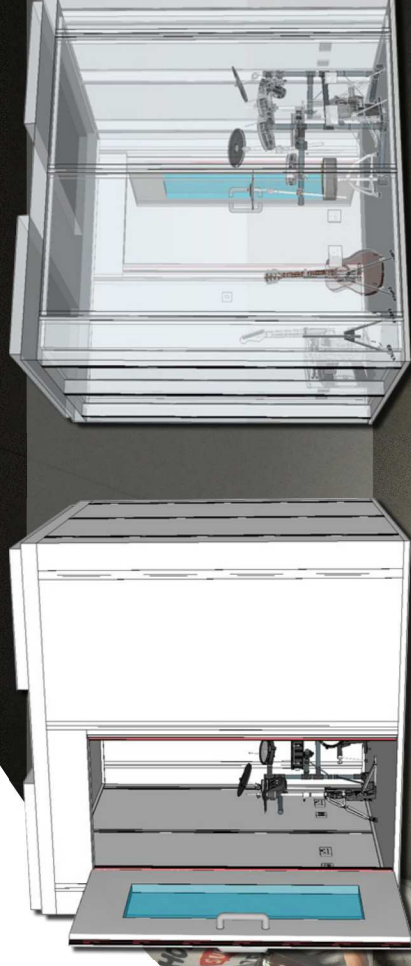
Acoustic consultants often prefer to have room shapes that are not rectangular. Horizontally or vertically angled walls are available as options for both MusicBox and MusicBox Pro facilities.

Design advantages

- Guaranteed sound isolation ratings
- Cleaner and faster installation
- Easily expanded or relocated
- Closure panels produce a complete built-in appearance for multi-room suites

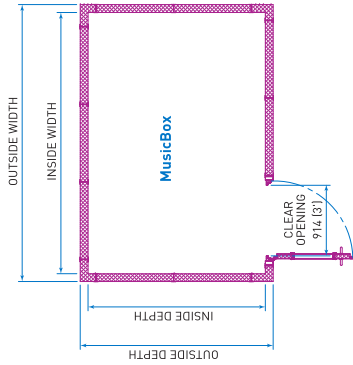
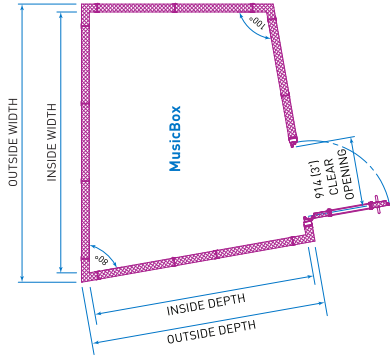
IAC MusicBox Features

- All components are acoustically rated
- 102mm thick wall and ceiling panels
- Standard 2360mm interior ceiling height
- Double magnetic compression seals for doors
- Silent ventilation systems
- Laminate wood floor covering
- Integral LED lighting, integrated power outlets and light / fan switches
- Options for:
 - Custom room dimensions
 - Non-parallel walls
 - Floating / isolated floors
 - Custom window sizes
 - Custom acoustic treatments
 - Floor finishes



IAC MusicBox

A new concept in modular rehearsal room design



Optional finishes include

- Laminate flooring
- Glazed doors
- Acoustic windows
- Stretched fabric including bespoke printed finishes
- Foam acoustic panels in a range of colours and fabrics including printing to your own design
- Tuning / absorption packages

IAC MusicBox

Available with both rectangular and angled walls, MusicBox gives a noise reduction level of NIC 45. Constructed in a single wall configuration, this range is ideal for isolating practice spaces either as standalone units or as part of a suite of rooms.

Specification

Full specification can be seen opposite.

IAC's new range of music practice rooms, **MusicBox** is available in 15 standard sizes giving various degrees of volume and space. IAC's MusicBox is more open and less confining than other music practice rooms, feeling more like a performance space.

Available as standard:

- Solid acoustic walls
- Perforated acoustic ceilings
- Smooth corner panels
- Glazed STC53 (Rw52dB) acoustic door
- Laminate / wood flooring
- 10 standard RAL colours available
- Ceiling mounted 4 spot LED track lights
- 2 double power sockets / receptacle outlets
- Wall or roof mounted ventilation system
- Proven Laboratory Test Data / Certification
- BB93 Compliant* for UK Market
- Fully Demountable
- Durable

IAC MusicBox can be configured to suit virtually any shape and size, allowing you to custom design your very own individual practice space, your very own MusicBox.

* MusicBox complies with the room to room isolation requirements and internal ambient background levels as stated within BB93 (section 5 - The design of rooms for music).

| Model | Inside Dimensions | | | Outside Dimensions | | |
|------------------------------------|-------------------|------------------|----------------|--------------------|------------------|----------------|
| | Width | Depth | Height | Width | Depth | Height |
| MusicBox Rectangular Models | | | | | | |
| MBR01 | 2379mm 7'10" | 1290mm 4'3" | 2360mm 7'9" | 2583mm 8'6" | 1494mm 4'11" | 2538mm 8'4" |
| MBR02 | 2379mm 7'10" | 2295mm 7'6" | 2360mm 7'9" | 2583mm 8'6" | 2499mm 8'2" | 2538mm 8'4" |
| MBR03 | 3384mm 11'1" | 2295mm 7'6" | 2360mm 7'9" | 3588mm 11'9" | 2499mm 8'2" | 2538mm 8'4" |
| MBR04 | 3384mm 11'9" | 3300mm 10'10" | 2360mm 7'9" | 3504mm 11'6" | 3504mm 11'6" | 2538mm 8'4" |
| MBR05 | 4389mm 14'5" | 3300mm 10'10" | 2360mm 7'9" | 4593mm 15'1" | 3504mm 11'6" | 2538mm 8'4" |
| MusicBox Angled Wall Models | | | | | | |
| MBA01 | 2375mm 7'9½" | 1683mm 5'6" | 2360mm 7'9" | 2599mm 8'6" | 1887mm 6'2" | 2538mm 8'4" |
| MBA02 | 2375mm 7'9½" | 2673mm 8'9" | 2360mm 7'9" | 2599mm 8'6" | 2877mm 9'5" | 2538mm 8'4" |
| MBA03 | 3380mm 11'1" | 2847mm 9'4" | 2360mm 7'9" | 3604mm 11'10" | 3051mm 10'0" | 2538mm 8'4" |
| MBA04 | 4385mm 14'5" | 4011mm 13'2" | 2360mm 7'9" | 4609mm 15'1½" | 4215mm 13'10" | 2538mm 8'4" |
| MBA05 | 5390mm 17'8" | 4186mm 13'9" | 2360mm 7'9" | 5614mm 18'5" | 4390mm 14'5" | 2538mm 8'4" |

For angled wall models, the outside and inside depths shown are the maximum (as shown on the diagrams on page 4. For actual dimensions of individual walls, please contact IAC Acoustics.

IAC MusicBox Pro

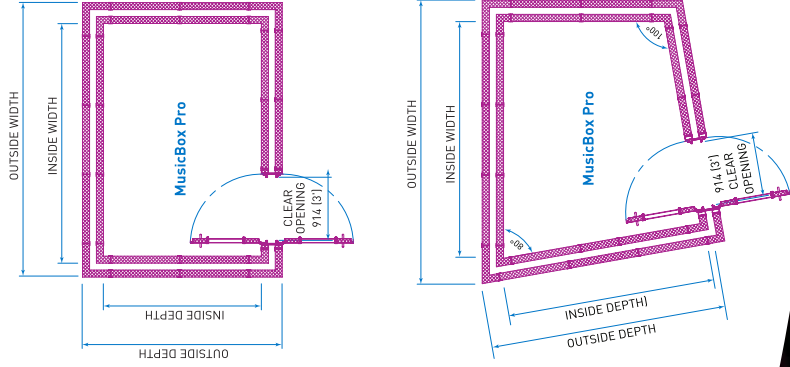
A new concept in modular rehearsal room design

IAC MusicBox Pro

Available with both rectangular and angled walls, MusicBox gives a noise reduction level of NIC 65. Constructed in a double wall configuration, this range is ideal for isolating practice spaces either as standalone units or as part of a suite of rooms. Due to the double wall construction, MusicBox Pro is ideal for isolating the sound produced by more noisy instruments such as percussion or for playing music at higher volumes.

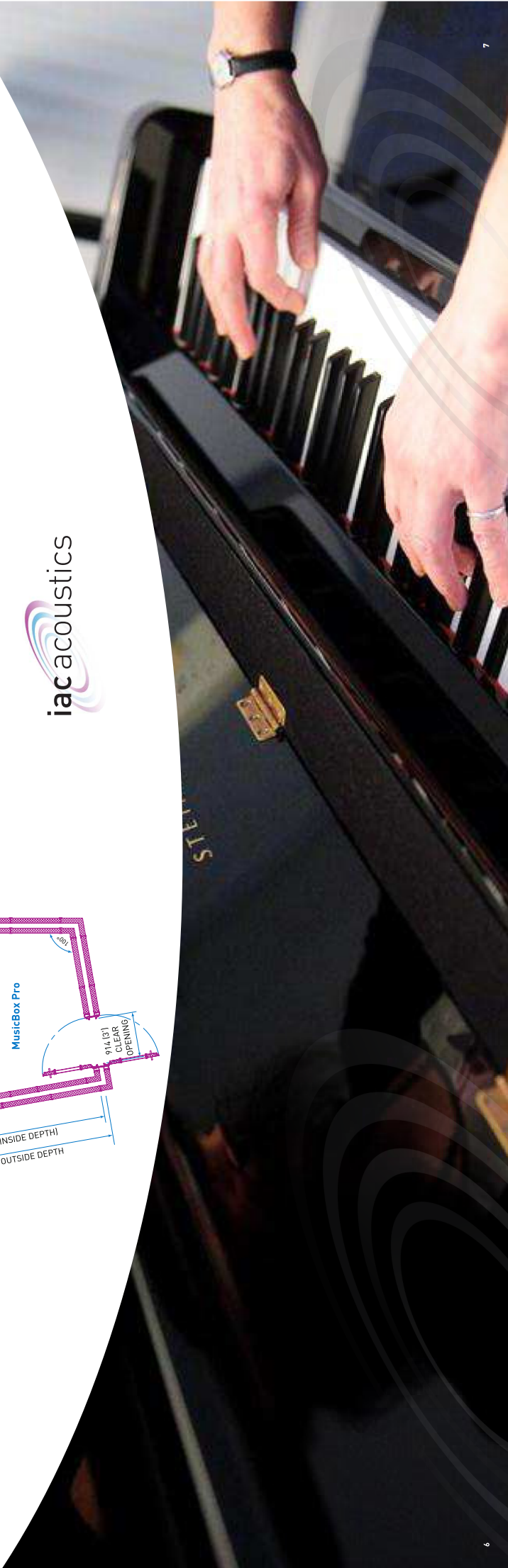
Specification

Specification is the same as MusicBox, except the construction where a double wall is used to increase sound isolation.



| Model | Inside Dimensions | | | Outside Dimensions | | |
|------------------------------------|-------------------|------------------|----------------|--------------------|------------------|----------------|
| | Width | Depth | Height | Width | Depth | Height |
| MusicBox Rectangular Models | | | | | | |
| MBPR01 | 2379mm 7'10" | 1290mm 4'3" | 2360mm 7'9" | 2987mm 9'10" | 1898mm 6'3" | 2740mm 9'0" |
| MBPR02 | 2379mm 7'10" | 2295mm 7'6" | 2360mm 7'9" | 2987mm 9'10" | 2903mm 9'6" | 2740mm 9'0" |
| MBPR03 | 3384mm 11'1" | 2295mm 7'6" | 2360mm 7'9" | 3392mm 13'1" | 2903mm 9'6" | 2740mm 9'0" |
| MBPR04 | 3384mm 11'1" | 3300mm 10'10" | 2360mm 7'9" | 3908mm 12'10" | 3504mm 11'6" | 2740mm 9'0" |
| MBPR05 | 4389mm 14'4" | 3300mm 10'10" | 2360mm 7'9" | 4997mm 16'4" | 3908mm 12'10" | 2740mm 9'0" |
| MusicBox Angled Wall Models | | | | | | |
| MBPA01 | 2375mm 7'9½" | 1683mm 5'6" | 2360mm 7'9" | 3041mm 10'0" | 2349mm 7'8" | 2740mm 9'0" |
| MBPA02 | 2375mm 7'9½" | 2673mm 8'9" | 2360mm 7'9" | 3041mm 10'0" | 3339mm 10'11" | 2740mm 9'0" |
| MBPA03 | 3380mm 11'1" | 2847mm 9'4" | 2360mm 7'9" | 4046mm 13'3" | 3513mm 11'6" | 2740mm 9'0" |
| MBPA04 | 4385mm 14'5" | 4011mm 13'2" | 2360mm 7'9" | 5051mm 16'7" | 4678mm 15'4" | 2740mm 9'0" |
| MBPA05 | 5390mm 17'8" | 4186mm 13'9" | 2360mm 7'9" | 6056mm 19'10" | 4852mm 15'11" | 2740mm 9'0" |

For angled wall models, the outside and inside depths shown are the maximum (as shown on the diagrams on page 6. For actual dimensions of individual walls, please contact IAC Acoustics.



Acoustic Performance

Selection data to choose the perfect rehearsal space for your needs

Sound reduction from practice room to practice room*

| MusicBox | 1/1 Octave Band Ctr. Freq. (Hz) | | | | | | | | NIC |
|----------|---------------------------------|-----|-----|----|----|----|----|----|-----|
| | 125 | 250 | 500 | 1k | 2k | 4k | 8k | | |
| | 39 | 69 | 65 | 78 | 87 | 87 | 82 | 65 | |

* NIC 45 level achieved using room to room (minimum 100mm air gap required) or double walled models only

Sound reduction from practice room to corridor

| MusicBox | 1/1 Octave Band Ctr. Freq. (Hz) | | | | | | | | NIC |
|----------|---------------------------------|-----|-----|----|----|----|----|----|-----|
| | 125 | 250 | 500 | 1k | 2k | 4k | 8k | | |
| | 29 | 45 | 53 | 58 | 63 | 64 | 50 | 45 | |

NIC 45 level achieved using standard single walled models

Internal Reverberation Times

| Typical RT | 1/1 Octave Band Ctr. Freq. (Hz) | | | | | | | | Average (seconds) |
|------------|---------------------------------|------|------|------|------|------|----|--------|-------------------|
| | 125 | 250 | 500 | 1k | 2k | 4k | 8k | | |
| | 0.22 | 0.20 | 0.30 | 0.41 | 0.52 | 0.47 | - | (0.35) | |

Reverberation times are approximate +/- 0.01 seconds.

The values stated above are typical for a rectangular shaped room, approximately 3m (10') x 3m (10')



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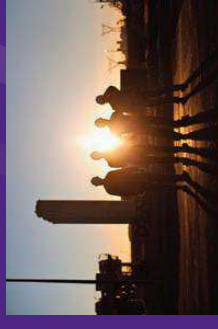
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