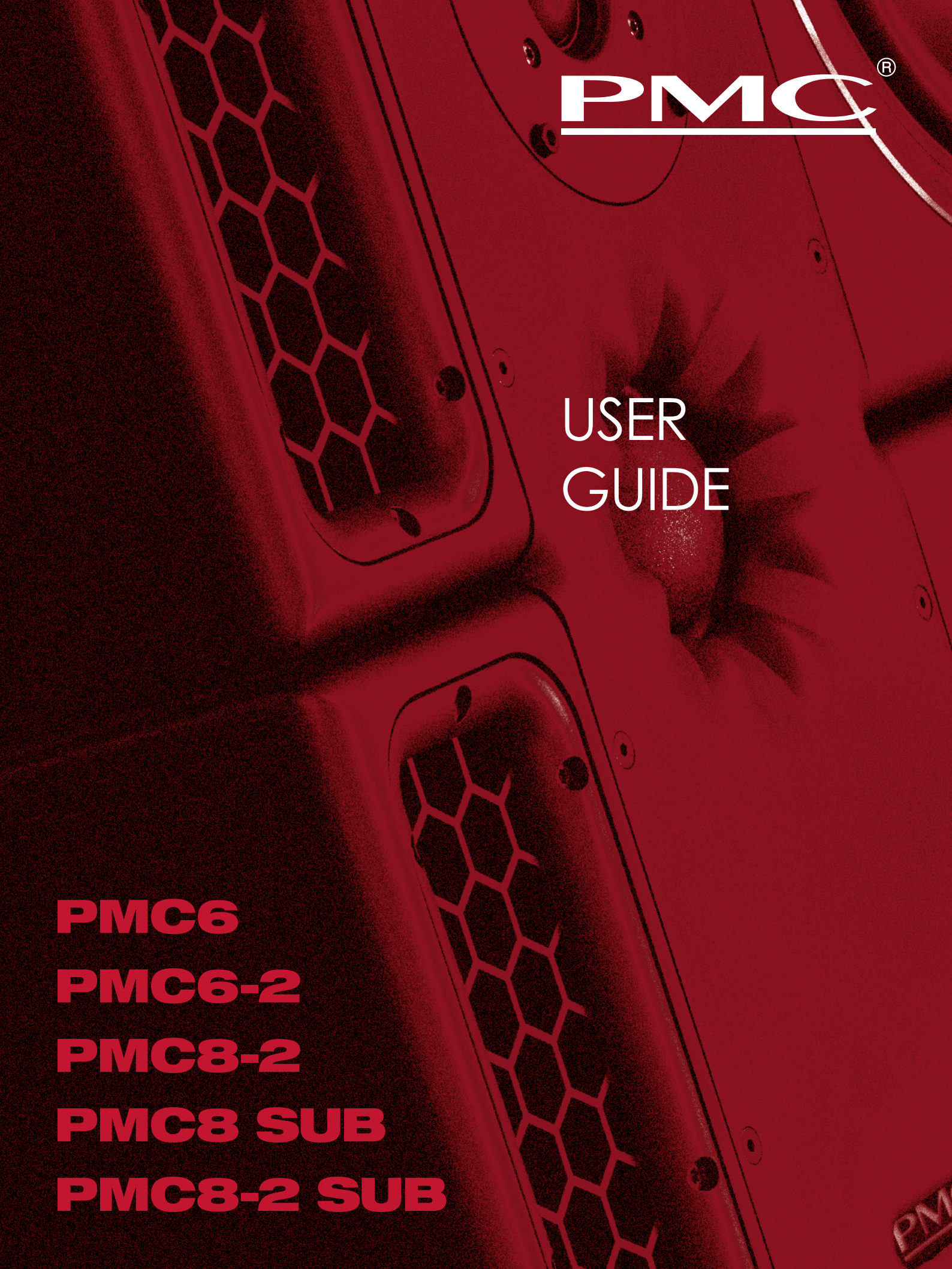
PMC®
USER
GUIDE
PMC6
PMC6-2
PMC8-2
PMC8 SUB
PMC8-2 SUB


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PMC

IMPORTANT

Warranty

Please take a few moments to register your product by completing the warranty online at: www.pmc-speakers.com This also gives you the opportunity to make suggestions and provide feedback directly to us.

Product Support

For product support, accessories, or servicing advice please contact a PMC authorised representative. See: www.pmc-speakers.com/where-to-buy

THE PROFESSIONAL MONITOR COMPANY LIMITED

HOLME COURT, BIGGLESWADE, SG18 9ST, UK
T +44 (0) 1767 686300
sales@pmc-speakers.com
www.pmc-speakers.com

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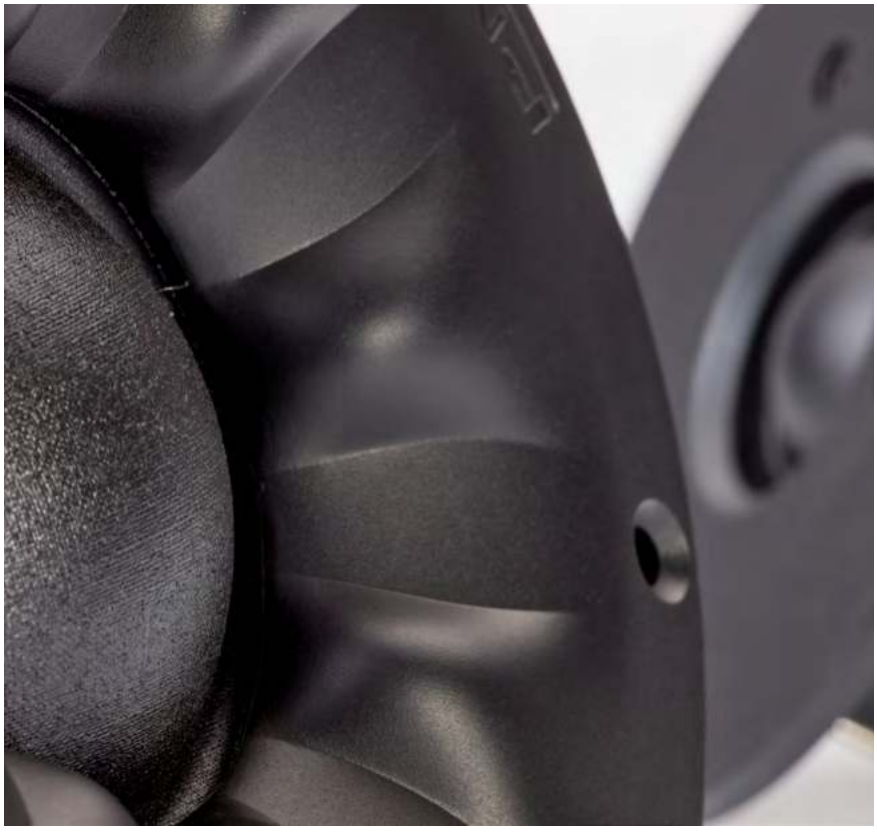
Ref No: 1261
PMC Stock Code: 17389

OUR GOAL

Our sole aim while designing loudspeakers is to recreate the true essence of an artist's intention, combining the maximum possible sonic resolution with solid engineering principles.

We believe that the same loudspeaker can be used throughout the entire audio chain, from composer to studio or film stage, post-production or mastering and then, finally, the audiophile at home. We also think that a well-designed loudspeaker should be able to excel regardless of the audio genre, and reproduce spoken word, rock, pop, or classical music with the same precision and accuracy. Our unswerving passion for getting designs right has made this goal possible.



CONTENTS

IMPORTANT SAFETY INSTRUCTIONS

1 Read and keep these instructions.

2 Heed all warnings and follow all instructions.

3 Do not use this apparatus near water.

4 Clean only with a dry non-abrasive cloth. Do not use solvents, abrasives, waxes or liquids as they may be detrimental to the cabinet finish.

5 Do not inhibit airflow around the unit. A free flow of air behind the loudspeaker is necessary to maintain sufficient cooling. A minimum of 80mm (3-inches) is required.

6 Installing these speakers into soffits may cause overheating and will invalidate the product warranty.

7 Do not install near heat sources eg: direct sunlight, radiators or other apparatus that produce heat.

8 This unit must be Earthed. Do not use the loudspeaker with an unearthed mains cable or an unearthed mains connection as this may compromise electrical safety. A suitable mains cable is supplied with the product.

- Apparatets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord.
- Laite on liitettävä soujakoskettimilla varustettuun pistorasiaan
- Apparatet må tilkoples jordet stikkontakt
- Apparaten skall anslutas till jordat uttag

9 The amplifier is not disconnected from the mains supply unless the power cord is removed from the unit or the mains outlet.

10 Protect the power cord from being walked on or pinched, particularly at inlets and outlets.

11 Unplug this unit during lightning storms or when unused for long periods.

12 There are no user-serviceable parts inside. Refer all servicing to qualified personnel.

13 Servicing is required when the unit has been damaged in any way, produces abnormal odours, has been exposed to liquids, rain or moisture, does not operate normally, or has been dropped.

14 Only use with accessories and brackets specified by PMC, and ensure all stands and fittings are safe and secure. Ensure the loudspeakers do not tip/ fall and cause injury or damage.

15 These monitors can produce high sound pressure levels (SPLs). Exposure to high SPLs has the potential to cause hearing damage. Adjust the system's sound pressure level to remain within safe limits.

16 Powerful magnets employed in these loudspeakers may have a detrimental effect on magnetically sensitive items if placed too close, such as CRT televisions, audio/video tape and cassettes.

17 Disconnect the speaker from the mains supply before removing an expansion card or the expansion card blanking cover. Ensure that an expansion card or the expansion card blanking cover is fitted and secured in place before reconnecting the speaker to the mains supply.

18 Only use in non-tropical climate areas and below an altitude of 2000m.

19 Warning! This is a Class-A device. This device may cause interference in residential areas; in this case, the operator may be required to take appropriate measures.

20 Packaging can pose a danger to the young and vulnerable. Ensure these items are stored or disposed of safely, and in accordance with your local legislation.

21 PMC has made every effort to provide accurate installation information and good quality fixings. However, PMC will not be held responsible or liable for injuries or property damage (direct, indirect or consequential) arising out of use or inability to use this product safely and properly.

22 The manufacturing date code of this product is marked on the rear of the product in the format WW/YYYY.

UNPACKING AND CARE

Our active monitors are packed in heavy-duty protective cartons. Please retain these to ensure that the loudspeakers can be transported safely if the need arises in the future. If you dispose of the packaging please do so in an environmentally responsible and safe way.

PMC monitors provide many years of trouble-free operation, but in the unlikely event that you suspect damage or failure has occurred do not attempt to repair the unit yourself. There are no user-serviceable parts inside. Contact your local representative for advice.

What's In The Box?

1 x Active reference monitor

3 x Mains cables for alternative wall plug types

2 x Quick-start User Guides (English & Chinese)

1 x Warranty Reminder

INTRODUCTION

Thank you for choosing PMC products. Please read this user guide and install your new monitors according to the advice you'll find in the following pages.

Discerning music makers regard our monitors as the absolute reference; PMC speakers are found throughout the audio chain, from composer to recording or mixing, through post-production, mastering, and broadcast. They deliver a forensic level of detail that allows you to work faster, without fatigue and with complete confidence knowing that your finished mix will translate technically and emotionally anywhere. Our signature sound — ultra-low distortion, effortlessly extended bass, and smooth, super-wide dispersion — is a feature of every monitor, from compact nearfield to our large main monitors.

This renowned flexibility and dependability result from our holistic design process in which the impact on overall performance of every part of our speakers down to component level is carefully considered. We take this approach with every loudspeaker we manufacture, including our latest generation of active reference nearfield and midfield monitors, the PMC6, PMC6-2, and PMC8-2, and their associated subwoofers the PMC8 SUB and PMC8-2 SUB.

Designed from the ground up with more than five years R&D combined with invaluable input from the PMC community, these British-made monitors are intended for audio recording, mixing, mastering, and broadcast professionals working in any format from stereo to immersive sound. This monitor range is packed with innovations including all-new drive units, cutting-edge Class-D amplification with analogue and digital connectivity, DSP crossovers, and the latest generation of our proprietary ATL™ bass-loading and Laminair™ air flow technologies. Remote configuration over a standard Network is provided via our class leading SoundAlign web-interface (PC, Mac, tablet, or smartphone). All of our active monitors are also scalable through the option of combining an active subwoofer to create PMC's unique XBD format with enhanced headroom and bass extension.

Whether you're composing, recording, mixing, or mastering in stereo or the latest immersive formats, you can guarantee the best possible results in the shortest possible time.

ADVANCED TRANSMISSION LINE: HOW IT WORKS

PMC's unique ATL™ (Advanced Transmission Line) cabinet enclosures have taken loudspeaker design to the highest level, using sophisticated construction methods, specifically optimised and proprietary drive units, and patented absorption materials and techniques. The benefits are enormous compared to the relatively simple sealed and ported designs currently available elsewhere.

PMC's innovative approach places the bass driver near one end of a long tunnel (the Advanced Transmission Line) skilfully folded into the available cabinet volume. This tunnel is heavily damped with acoustic material specified carefully to absorb the upper bass and higher frequencies radiating from the rear of the bass driver. The lowest frequencies are allowed to pass down the line and emerge from the large vent in the same polarity as the driver's frontal radiation, the vent acting essentially as a second bass driver. The introduction of our Laminair baffle technology to control and smooth the airflow through the vent helps to further reduce LF distortion and colouration.

An important benefit of the ATL™ approach is that the air pressure inside the cabinet, loading the bass driver, is maintained. This helps to control the driver over a wide frequency range and significantly reduces LF distortion compared to other cabinet loading techniques. Consequently, the upper bass and midrange detail is not masked by harmonic distortion and the result is PMC's characteristically transparent midrange, fast, attacking bass, and outstanding clarity.

A further advantage is greater bass extension and loudness than a ported or sealed design of a similar size, even if similar drivers were used. Moreover, the very consistent bass driver loading brings the welcome benefit that the frequency response remains consistent regardless of listening level, and analytical auditioning can be conducted without the need for high replay volumes to achieve optimal bass response — a unique and very valuable characteristic.

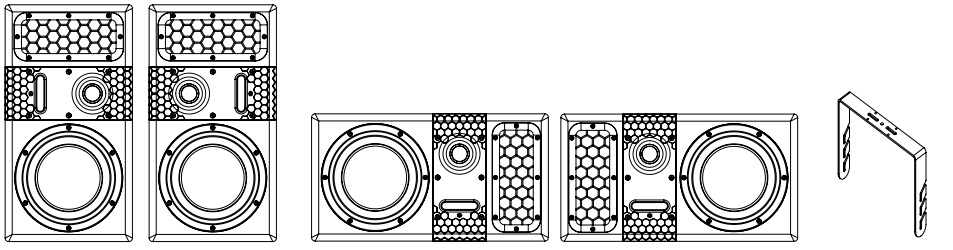
MODELS

The PMC6, PMC6-2, and PMC8-2 monitors, and the PMC8 SUB and PMC8-2 SUB all share the following features:

- Analogue/AES3 digital input (16/24-bit, 18 -192kHz sample rate)
- Digital 'through' output (AES3 24-bit 96kHz)
- Rear-panel LCD display and rotary encoders for user settings
- Sophisticated DSP crossover, driver protection, EQ, and delay/polarity options
- SoundAlign network control interface for single or group EQ & settings
- Independent, state-of-the-art, Class-D amplifier for each drive unit
- Universal auto-sensing mains input via IEC C14 connector
- All models are Left/Right-handed except for the PMC8 SUB

PMC6

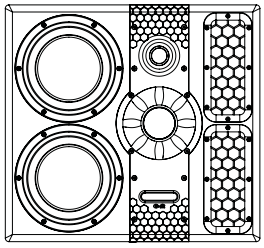
- Active 2-way nearfield reference monitor with ATL™ bass loading
- HF: PMC 1" soft-dome tweeter with 200W amplifier
- LF: PMC 6" Studio6 bass-mid with 200W amplifier
- Frequency response: 39Hz - 25kHz (- 3dB @1m full space, on-axis)
- Max. cont. SPL: 106dB (@ 1m half space, 20-20kHz 12dB crest-factor pink noise for 2 hrs)
- Automatic portrait/landscape placement DSP correction
- Ceiling-mount yoke allows suspension in multi-channel or immersive systems
- Upgrade with a PMC8 SUB to create a PMC6 XBD, delivering LF extension down to 25Hz with perfect integration.



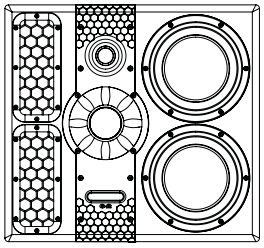
PMC6 (left portrait) **PMC6** (right portrait) **PMC6** (left landscape) **PMC6** (right landscape) **YOKE 18** (ceiling mount)

PMC6-2

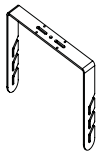
- Active 3-way nearfield reference monitor with ATL™ bass loading
- HF: PMC 1" soft-dome tweeter with 400W amplifier
- MF: PMC55 2" soft-dome midrange with 400W amplifier
- LF: 2x PMC 6" Studio6 woofers with 400W amplifier per driver
- Frequency response: 33Hz - 25kHz (- 3dB @1m full space, on-axis)
- Max. cont. SPL: 109dB (@ 1m half space, 20-20kHz 12dB crest-factor pink noise for 2 hrs)
- Ceiling-mount yoke allows suspension in multi-channel or immersive systems
- Upgrade with a PMC8-2 SUB to create a PMC6-2 XBD, delivering greater headroom and LF extension down to 25Hz.



PMC6-2
(left)



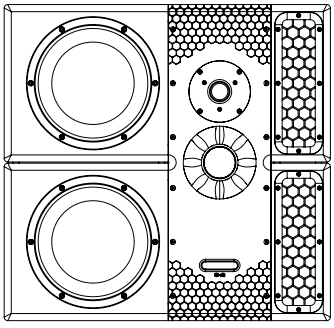
PMC6-2
(right)



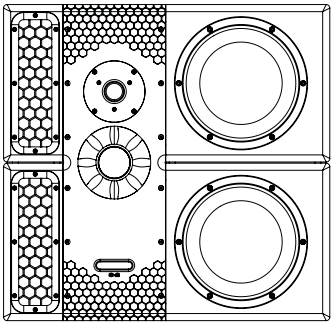
YOKE 18
(ceiling mount)

PMC8-2

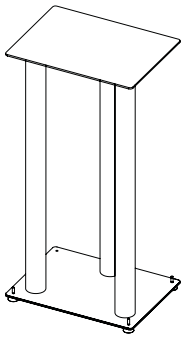
- Active 3-way midfield reference monitor with ATL™ bass loading
- HF: PMC 1" soft-dome tweeter with 400W amplifier
- MF: PMC55 2" soft-dome midrange with 400W amplifier
- LF: 2x PMC 8" Studio8 woofers with 400W amplifier per driver
- Frequency response: 25Hz - 25kHz (- 3dB @1m full space, on-axis)
- Max. cont. SPL: 113dB (@ 1m half space, 20-20kHz 12dB crest-factor pink noise for 2 hrs)
- Optional bespoke high-mass floor stands
- Upgrade with a PMC8-2 SUB to create a PMC8-2 XBD, delivering greater headroom



PMC8-2
(left)



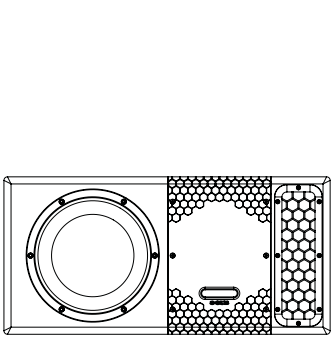
PMC8-2
(right)



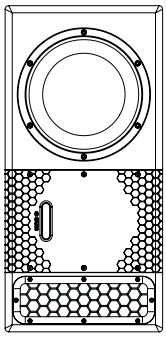
STAND
(Bespoke 40" stand)

PMC8 SUB

- Active reference subwoofer with ATL™ bass loading
- PMC 8" Studio8 woofer with 300W amplifier
- Frequency response: 25Hz - 500Hz (- 3dB @1m full space, on-axis)
- Max. cont. SPL: 109dB (@ 1m quarter space, 20-20kHz 12dB crest-factor pink noise for 2 hrs)
- Designed as a stand-alone subwoofer or to integrate perfectly with a PMC6 to create a PMC6 XBD system.



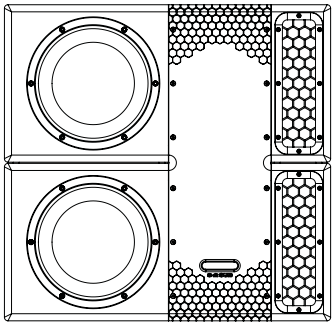
PMC8 SUB
(horizontal)



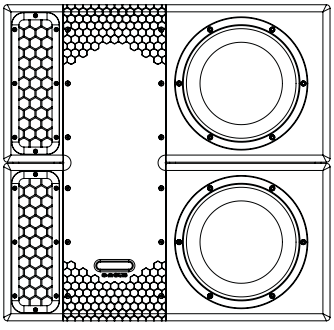
PMC8 SUB
(vertical)

PMC8-2 SUB

- Active reference subwoofer with ATL™ bass loading
- 2x PMC 8" Studio8 woofers with 400W amplifier per driver
- Frequency response: 25Hz - 500Hz (- 3dB @1m full space, on-axis)
- Max. cont. SPL: 115dB (@ 1m quarter space, 20-20kHz 12dB crest-factor pink noise for 2 hrs)
- Designed as a stand-alone subwoofer or to integrate perfectly with a PMC6-2 or PMC8-2 to create their respective XBD systems.
- Available as left and right-handed cabinets



PMC8-2 SUB
(left)

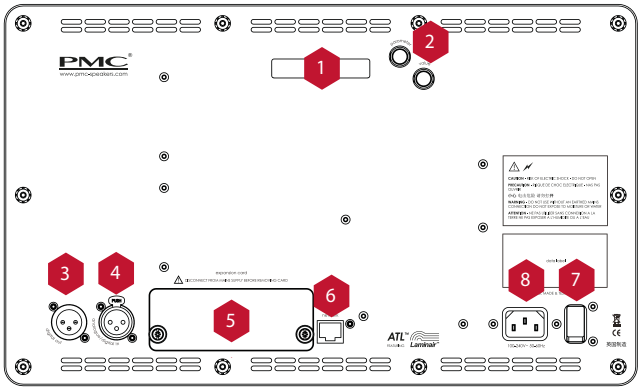


PMC8-2 SUB
(right)

See the Specifications section at the end of this User Manual for comprehensive specifications of all models.

CONTROLS AND CONNECTIONS

6-2
8-2
8 SUB
8-2 SUB



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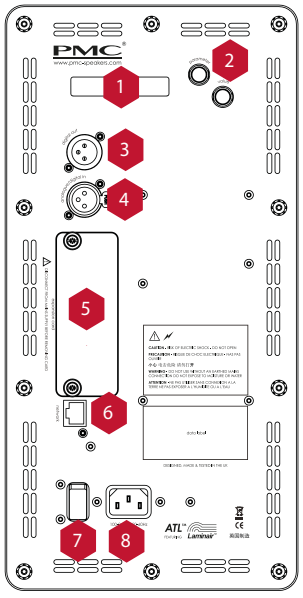


1 **LCD Display**

The top row of the LCD indicates the PARAMETER, whilst the bottom row displays the VALUE of that parameter.

2 **Rotary Encoders**

Used to modify the speaker's settings.

Rotate the top encoder to change to a different PARAMETER.

Rotate the bottom encoder to modify the VALUE of said parameter.

Press & hold the top encoder to show the firmware version.

Press the bottom encoder to switch between coarse & fine parameter mode. Coarse mode is indicated by a '*' symbol at the bottom right of the LCD and is used to make larger changes to the parameter VALUE. This is useful, for example, when sweeping the frequency of a PEQ between 20 and 20,000 Hz.

3 **Digital Through Output**

AES3 digital XLR3m provides a 'through' output for daisy-chaining this speakers' audio input to another speaker. The sample rate of this output is fixed at 96kHz, 24 bits.

If the speaker is being fed with an analogue signal the through output will send a digitised version of that analogue signal on both channels (L and R) of the AES3 output. If the input is an AES3 signal, the through output carries the same two channels (L and R) at 96kHz.

N.B. The maximum recommended number of speakers in one chain is 4.

4 **Analogue & Digital Input**

An XLR3f input socket receives both balanced analogue signals and AES3 digital signals. The required input format is selected through the rotary encoders or the SoundAlign network interface.

If the input is an AES3 digital signal whilst the monitor speaker is configured to receive analogue signals, the speaker will emit a sound like low-level pink-noise. This is not a fault and will cause no harm to the speaker.

Analogue input signals are sampled at 96kHz, while an AES3 digital input can have any sample rate between 18kHz and 192kHz. An asynchronous sample rate converter provides a 96kHz signal for the DSP engine and the through output.

5 **Expansion Card Slot**

An expansion card slot provides a capability to support alternative input format interfaces in the future.

The expansion card slot does not support hot-plugging and only detects installed cards during boot-up. Disconnect the speaker from the mains supply before removing the expansion card blanking cover or an installed expansion card. Ensure that an expansion card or the expansion card blanking cover is fitted and secured in place before reconnecting the speaker to the mains supply.

6 **Network Connector**

RJ-45 Ethernet connector to enable network control of the speaker's DSP settings through the SoundAlign web interface. The speaker can be connected to any normal LAN network; it does not need its own separate network or any special network hardware, and speaker control and configuration data will happily co-exist with other network data. No audio is passed over the network interface. If no LAN is available, this port can be connected directly to a PC or Mac to use the SoundAlign interface.

7 **Power Switch**

This is the power switch I = ON, O = OFF

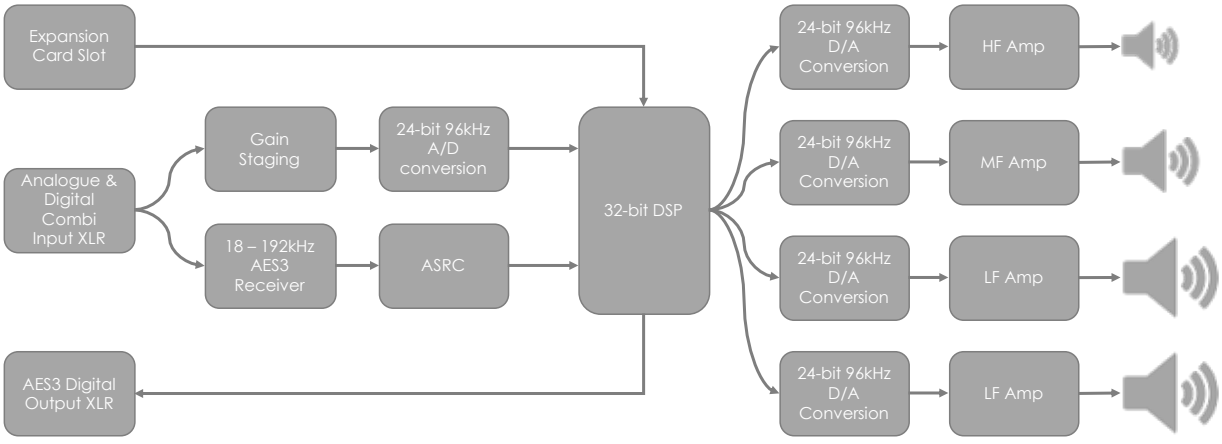
8 **Power Inlet**

100 - 240VAC auto-switching, 50-60Hz (IEC C14)


PMC
PMC

SIGNAL FLOW

Audio enters the monitor via an XLR connector which can accept analogue or digital AES3 signals. Analogue signals pass through a low-noise, low-distortion balanced input with variable gain staging, followed by a high performance 24-bit 96kHz ADC. The digital input accepts 16- or 24-bit AES3 signals up to 192kHz. The crossover, user-control functions and non-invasive driver protection systems are implemented in a powerful 32-bit DSP engine before being distributed to independent 24-bit 96kHz D-A converters. The signal path is completed by dedicated state-of-the-art Class-D power amplifiers directly coupled to each drive unit, reducing frequency response irregularities and inter-modulation distortion.



* The diagram shows 4 channels of amplification, as used in the PMC6-2 and PMC8-2 models.

ILLUMINATED PMC LOGO

The illuminated PMC logo on the front of the speaker indicates its current status.

Colour	Status
White	Normal operation
Off (logo not lit)	Normal operation with brightness set to min., or speaker is not powered
Red	Driver protection systems active
Blue*	Speaker is selected in SoundAlign
Pulsing Turquoise / White*	Speaker is the current speaker in SoundAlign
Flashing Blue/White or Green/White*	Speaker is carrying out firmware update

*Activated through SoundAlign web interface only. See SoundAlign section of this User Manual for more details.

RUNNING-IN

When new, PMC monitors require a short period of running-in before they reach their full potential. This is because the mechanical and acoustical characteristics of the bass, midrange and treble drive units alter slightly after manufacture as the flexible elements in their construction relax and reach their optimum compliancy. The ATL™ cabinet parameters are critically designed to load the bass driver accurately only when it has reached its long-term, optimal compliancy.

Consequently, during the initial running-in period of about 50 hours, the performance of the monitor will change and improve. You will notice the bass tonality becoming warmer, fuller, and more natural, and the bass extension will increase significantly. As the tweeter relaxes the treble tonality also sweetens and integrates perfectly with the midrange unit, and the sound staging becomes vivid.

50
HOURS

POSITIONING

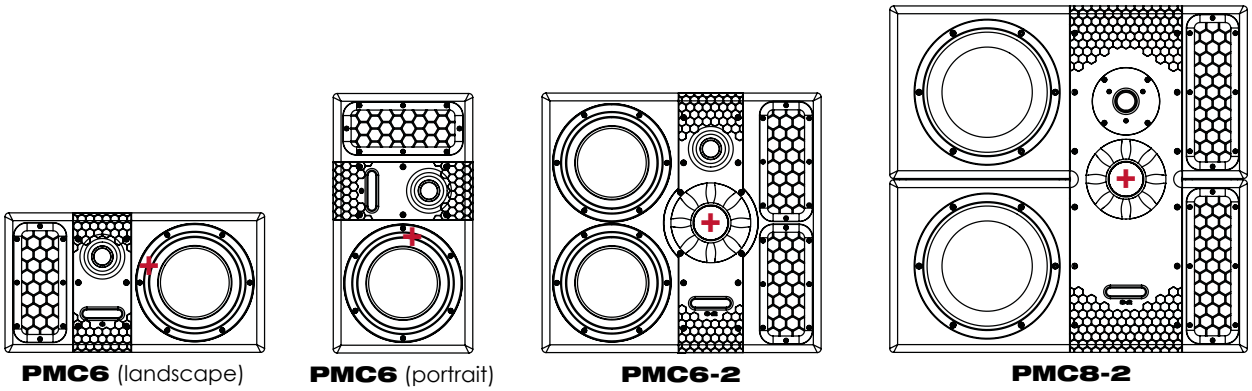
With their unique ATL™ cabinet design, wide dispersion, ultra-low distortion, and gentle bass roll-off, PMC loudspeakers are more forgiving of difficult room conditions and placement constraints than conventional designs — you will be able to achieve a superb sound throughout the room with little effort. However, we encourage you to spend some time experimenting in your own room to achieve the very best results, remembering that small changes in speaker location can often influence system performance significantly. The following guidelines are suggestions for a starting point to locate your new loudspeakers. Fine-tuning of their positioning can start from there.

NB: The PMC6 model features an entirely unique 'adaptive crossover'. The speaker can detect whether it has been placed in portrait or landscape configuration and automatically adapts its crossover accordingly.

The acoustic centre position remains the same for monitors configured as XBD systems.

For the PMC8-2, PMC8-2 XBD and PMC6-2 XBD bespoke stands are available to ensure their acoustic centres are at the optimum listening height. See Accessories section for more details.

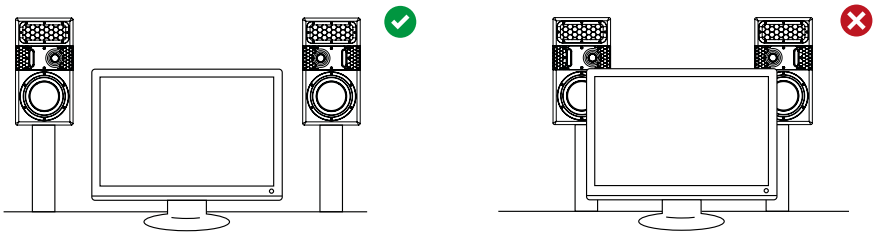
The acoustic centre is the reference point for aligning these speakers, as shown by the + symbol.



PMC6 (landscape) **PMC6** (portrait) **PMC6-2** **PMC8-2**

Placement — Line of Sight

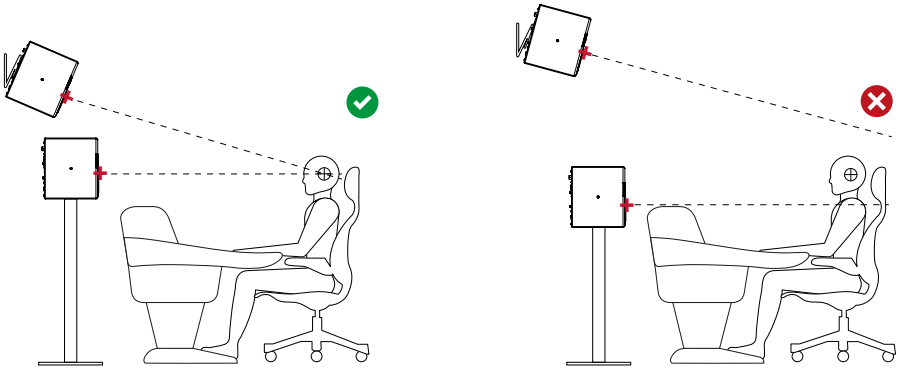
Avoid placing objects in front of the loudspeakers as this will degrade the stereo imaging and tonal balance.



Attention should also be paid to the effect of reflective surfaces such as side walls and objects near the loudspeakers, as excessive nearfield reflections will blur the stereo imaging significantly and may introduce unwelcome colouration of the sound.

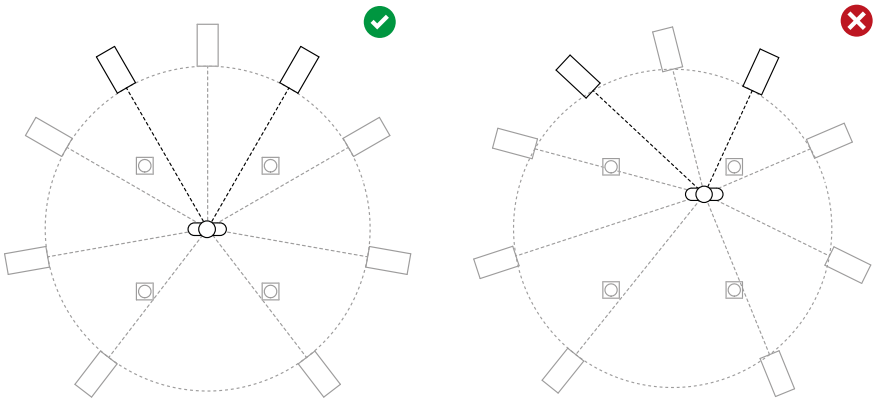
Placement — Vertical Angle

Position or angle the loudspeakers to align the acoustic centre with the listener's ears.



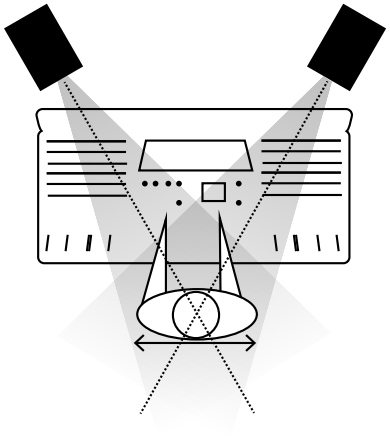
Placement — Symmetry

For both stereo and immersive installations, it is important to maintain symmetry.

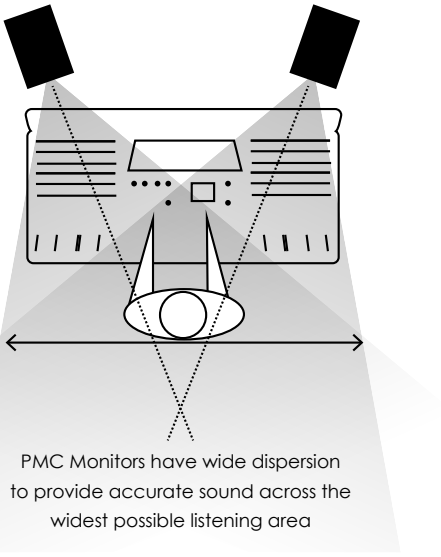


Stereo Systems

Most monitors have relatively narrow dispersion and are designed to be aimed directly at the listening position, as shown in the left-hand image below. However, the excellent imaging which PMC monitors are known for is due, in part, to their wide dispersion characteristic, as shown on the right-hand image. To optimise imaging for stereo listening we recommend that PMC monitors should be angled so that their axes cross about 0.5 metres (2ft) behind the listening position (as illustrated below, right). Varying this toe-in angle will subtly affect the clarity and stability of the audio soundstage. A good music track with vivid vocals will help to determine the best position.



Conventional monitors have narrow dispersion which restricts the width of the accurate listening area



PMC Monitors have wide dispersion to provide accurate sound across the widest possible listening area

Initial positioning of the loudspeakers should be at two of the three points of an equilateral triangle, with the listener at the third. If the monitors are spaced too far apart the stereo image will be wide but central definition will be impaired. Use a well recorded vocal track to judge the ideal placement.

Surround & Immersive Systems

Our professional active monitors can be mixed and matched completely seamlessly as their tonal characteristics and dispersion are identical — the only difference between them is their cabinet size, bass extension and SPL capability. Our monitors are designed to provide ultra-wide dispersion to create a unified sound field, allowing individual sounds to be placed and adjusted within the soundstage with complete precision.

PMC monitors exceed the specification requirements for the Dolby Atmos format, and our experience with such systems is unparalleled, supporting our users to push the boundaries of creative audio production.

For surround or immersive formats, we recommend that all speakers are aimed directly at the listening position, to ensure consistent balance and focus across the whole sound field.

Most surround and immersive sound systems employ bass-management for the surround and height channels, crossing-over the lower frequencies to one or more subwoofers. In this context PMC monitors have a distinct advantage over other designs in that our unique ATL™ bass-loading technology provides a gentler low-order LF roll-off than conventional ported cabinets. This allows a smoother, seamless integration between the height and surround channels and the subwoofers.

USER CONTROLS

The following parameters can be configured using either the rotary encoders on the rear panel of the speaker, or via the SoundAlign web interface.

- **XBD Mode:** On, Off
- **Input Source:** Analogue, AES3 L, AES3 R, AES3 L+R, Expansion Card (if present)
- **Level Trim:** ± 10dB
- **Max Analogue Input Level:** +20, +24dBu
- **Position:** Free Space, Wall, Corner
- **Desk Filter:** On/Off
- **Orientation (PMC 6 only):** Auto, Portrait, Landscape
- **Subwoofer HPF/LPF:** On/Off, Freq (20-200Hz)
- **Delay:** 0.00 to 30.00ms
- **Phase:** Normal or Inverted
- **LF & HF Shelves:** On/Off, Gain (± 10dB), Freq (20 to 20kHz)
- **Parametric EQ 1–5:** On/Off, Gain (± 10dB), Freq (20 to 20kHz), Q (0.05 – 10.00)
- **Logo Brightness:** Min (10%) to 100%
- **Store Presets A, B, C**
- **Load Presets A, B, C**
- **Load Factory Default settings**
- **Clear XBD Links**

XBD Mode

Options: ON or OFF

The XBD mode setting configures the monitor/subwoofer to perform as part of an integrated XBD system. Usually this parameter is set automatically, so it should only be modified by advanced users. See the XBD section for more details.

Setting this parameter to ON applies a modified XBD crossover to both speakers and changes the subwoofer's low-pass filter to a high-pass filter (for bass-management).

Input Source

Options: Analogue, AES3 L, AES3 R, AES3 L+R, Expansion Card (if present)

Level Trim

Options: Range: ± 10dB in 0.1dB steps

The Level Trim parameter adjusts the overall output level of the speaker.

Max Analogue Input Level

Options: +20dBu or +24dBu

This parameter sets the A-D converter's maximum input signal level before clipping. It is used to optimise the gain-staging between the signal source and monitor speaker. If the signal source has a maximum output level of +20dBu or less set this parameter to +20dBu. If the signal source has a maximum output level of more than +20dBu set this parameter to +24dBu.

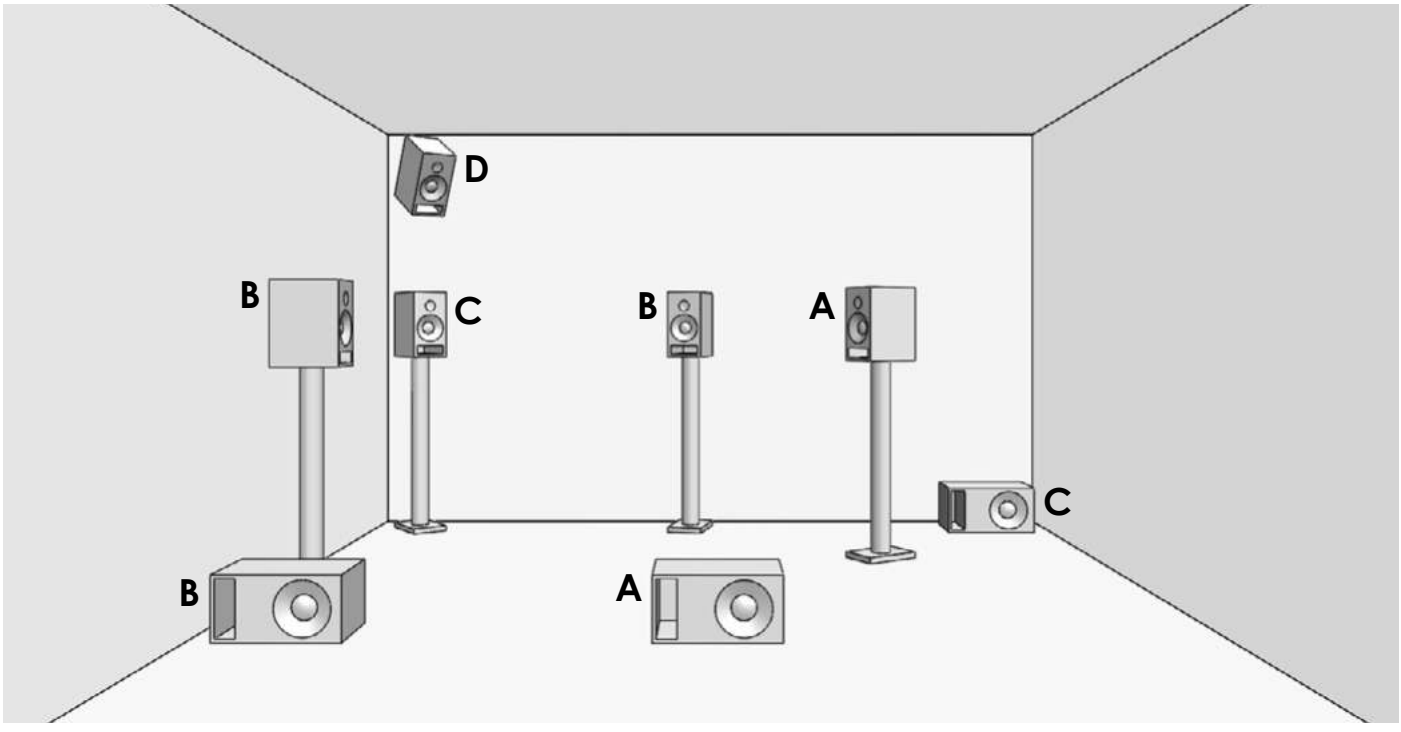
Position

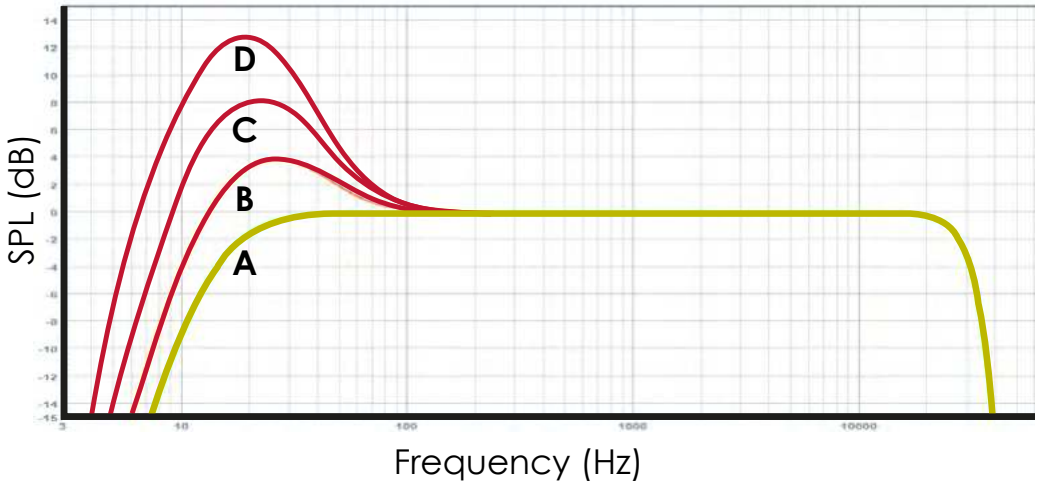
Options: Free Space, Wall, or Corner

The Position setting modifies the frequency response of the monitor speaker to compensate for the inherent bass boost that occurs if the speaker is placed near one or more room boundaries.

The diagram below illustrates possible speaker positions relative to the room boundaries, and the resulting uncorrected bass boost is displayed on the frequency response chart (right).

(Red curves = no compensation. Green curve = corrected response).





A: Free Space is the flat reference setting and no filters are applied. This mode is appropriate if the monitor speaker is placed more than 0.5m (20") away from all walls /ceiling /floor.

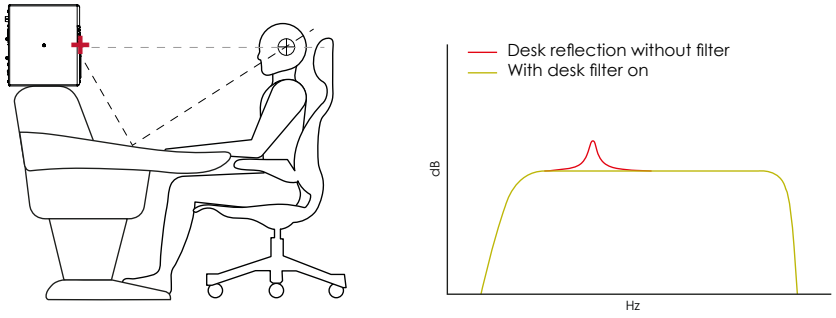
B: The Wall setting applies a -4dB LF Shelf at 45Hz (Q1.41). This mode is appropriate if the speaker is within 0.5m (20") of one wall, but more than 0.5m (20") away from the corners.

C: The Corner setting applies a -8dB LF Shelf at 45Hz (Q1.41). This mode is necessary if the monitor speaker is placed within 0.5m (20") of two walls, or the wall-ceiling or wall-floor junctions.

D: If a monitor speaker is placed in a Tri-corner (the junction of two walls and the ceiling or floor) select the Corner Position value and configure the EQ to provide a low-shelf providing -4dB from 45Hz.

NB: The PMC8-SUB and PMC8-2-SUB are pre-equalised for placement on the floor. If a sub is positioned close to one wall, select the 'Wall' mode, and if positioned close to the corner of two walls select the 'Corner' mode.

Desk filter



Options: ON or OFF

The Desk Filter setting modifies the frequency response of the speaker to compensate for the narrow-band peak typically caused by unwanted reflections from the surface of a desk or mixing console.

Setting the parameter to ON introduces a -3.5dB cut at 150Hz (Q3.0).

Orientation (PMC6 only)

Options: Auto, Portrait or Landscape

This parameter is exclusive to the PMC6, which can be positioned either in portrait or landscape orientation. For most situations the Auto setting is preferable as the speaker detects its orientation and automatically optimises the crossover as required. However, this menu option allows the user to manually override the automatic system if necessary.

When set to Auto, the currently detected state (portrait or landscape) will be indicated on the LCD display as either a (P) or (L).

If a PMC6 monitor is facing downwards — such as when hung from the ceiling — it will default to Portrait mode (but can be manually overridden, if required).

Subwoofer HPF/LPF

Options: ON or OFF

Range: 20 – 200Hz

The subwoofer high-pass/low-pass filter (HPF/LPF) parameters enable basic bass-management by filtering the input signal. The Enable parameter determines whether this bass-management filter is active or not.

For the PMC6, PMC6-2 and PMC8-2 this setting applies a 12dB/Oct high-pass filter (HPF).

For the PMC8-SUB and PMC8-2-SUB this setting applies a 12dB/Oct low-pass filter (LPF). However, If the XBD Mode is set to ON the filter is converted to a 12dB/Oct high-pass filter (HPF).

Delay

Options: Range: 0.00 to 30.00ms, in 0.05ms increments

This setting applies a delay to the acoustic output of the speaker. If speakers cannot be positioned equidistant from the listening position, a delay can be applied to the closer ones to compensate for the difference in arrival time of the sound from each loudspeaker.

The delay control can also be used to aid integration of standalone subwoofers.

Phase

Options: Normal or Inverted

This parameter inverts the polarity of the acoustic output of the speaker. It can be used to aid integration of standalone subwoofers.

LF & HF Shelves

Options: ON or OFF

Gain Range: ±10dB in 0.1dB steps

Frequency Range: 20 – 20,000Hz

The LF & HF shelving equalisers can be used to adjust the tonal balance of the speaker to suit the user's preference, or to help tune the speaker to a particular room's acoustics.

The HF and LF shelving filters have fixed 12dB/Oct slopes with a Q of 0.707.

Parametric EQ 1 – 5

Options: ON or OFF

Gain Range: ±10dB in 0.1dB steps

Freq. Range: 20 – 20,000Hz

Q-Factor Range: 0.05 – 10.00 in 0.05 steps.

Five independent bands of fully parametric EQ can be used to adjust the tonal balance of the speaker to the user's preference, or to tune the speaker to a particular room's acoustic characteristics.

Q-factor equates to the bandwidth of the filter. A high Q means that the filter will have a very sharp peak, only affecting a narrow range of frequencies. A low Q means that the filter will have a broad peak, affecting a wide range of frequencies. A Q value of 1.41 is equivalent to a bandwidth of one octave.

Logo Brightness

Range: Min (10%) to 100%

This parameter adjusts the brightness of the PMC logo on the front of the speaker.

At the minimum (10%) setting the logo will only glow when activated by the driver protection system or to indicate user interaction with the SoundAlign web interface.

Store Presets A, B, C

Each speaker can store three complete user configurations internally, identified as Presets A, B and C.

When the LCD shows "Store Preset X" press the VALUE encoder to begin the preset storage process, then press again within three seconds to confirm. All settings (except XBD Mode) will be stored in the speaker's memory.

Load Presets A, B, C

Any one of the three stored presets can be recalled from the speaker's memory.

When the LCD shows "Load Preset X" press the VALUE encoder to begin the preset loading process, then press again within three seconds to confirm. All settings (except XBD Mode) will be loaded from the speaker's memory.

Load Factory Default Settings

This option reverts the speaker to its initial factory configuration, removing all EQs and other user settings. Stored presets will not be affected by this process.

When the LCD shows "Load Defaults" press the VALUE encoder to begin the process, then press again within three seconds to confirm. All settings (except XBD Mode) will be returned to their factory default values.

Clear XBD Links

This option removes any XBD links that have been created either through the SoundAlign web interface or through an automatic standalone XBD pairing and sets XBD Mode to OFF. See the section on XBD configurations for more details.

SOUND**ALIGN** WEB INTERFACE

The SoundAlign web interface is a simple and intuitive means of controlling and configuring our nearfield and midfield active DSP monitors and subwoofers. Each monitor incorporates an internal web-server accessible over a standard wired Ethernet connection using a web browser on any smartphone, tablet, PC, or Mac computer.

Loudspeakers can be controlled individually or in defined groups of multiple speakers (up to 16), and every DSP menu function and parameter can be viewed and adjusted, with configuration settings stored and recalled instantly as presets, or copied between speakers. Facilities are provided to configure the input format and level, boundary mode correction, as well as delay and polarity. There is also an EQ section with an interactive graphical display offering five parametric bands plus high- and low-shelf sections.

The SoundAlign interface also makes it very simple to upload new firmware to all selected speakers, and a group filter mode allows defined subsets of speakers to be displayed and controlled entirely separately from other groups — an indispensable facility in complex multi-room installations or with multi-channel speaker arrays.

Accessing SoundAlign

The SoundAlign web interface is hosted in each speaker and therefore an internet connection is not required. As SoundAlign is browser-based it is compatible with all devices (PC, Mac, Android, iOS), and no software installation is required.

To access the SoundAlign interface first connect each speaker either to an existing LAN or a new dedicated network. Special network hardware is not required and the control data happily co-exists with other network traffic, although we recommend a minimum network speed of 100Mbit/s. Alternatively, to configure an individual speaker via the web interface, connect an Ethernet cable directly from the speaker to a PC or Mac.

Once a speaker is connected to a network, its IP address will be displayed on the rear-panel LCD. The SoundAlign interface can then be accessed from any device on the same network by navigating to:
http://soundalign.local/

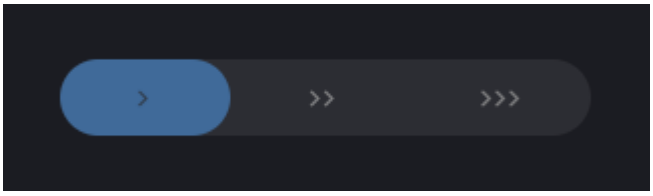
Some network hardware will not support the http://soundalign.local/ address and in this case the web interface can be accessed by navigating to the specific IP address displayed on the speaker's rear-panel LCD.

Most of the features and controls in the SoundAlign interface mirror the user controls described in the previous section, but there are some additional features that can only be accessed from the SoundAlign web interface.

The illuminated PMC logo on the front of each loudspeaker will briefly blink whenever an interaction is received from the SoundAlign web interface.

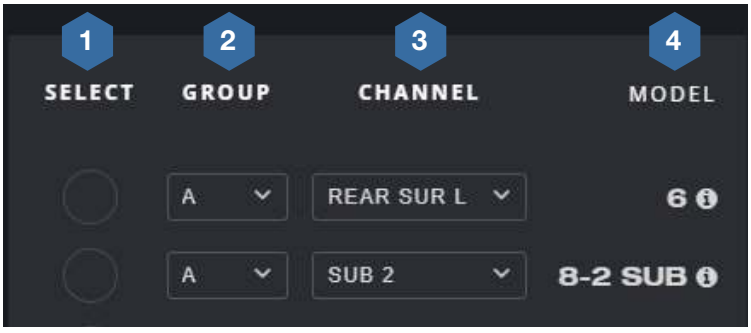
Main Window

The main window of the SoundAlign interface displays a list of all connected speakers with a grid-matrix of their user controls.



The user controls are spread over three pages, accessed via the blue arrow buttons, and can be modified at any time.

Model, Group and Channel Assignments



1 Select Tick-boxes

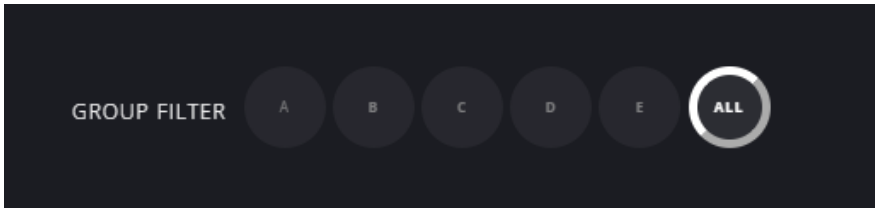
The select column on the left-hand side of the window features a 'radio button' for each speaker. When selected they are highlighted in blue, with the most recently selected speaker highlighted in turquoise, and these colours are also displayed on the illuminated PMC logo on the front of each speaker. The speaker highlighted in turquoise is referred to as the 'Current' speaker.

When multiple speakers are selected changes made to any of those speakers will be applied to all selected speakers simultaneously.

When setting up system via SoundAlign we recommend that you first assign groups and channels to all speakers. This will allow you access the advanced feature functionality.

2 Group Setting & Filter

Each speaker can be assigned to a group, from A to E. The list of speakers displayed in the main window can then be filtered to only show individual groups.



This feature can be used to assign speakers to individual studios within a large studio complex, or it can be used to split a large multi-channel system into groups of related speakers such as front/side/rear or height channels.

3 Channel Setting

Each speaker can be assigned a channel name from the drop-down box. Once channels are assigned the Monitor Selector window will be populated and advanced functionality becomes available.

4 Model Info

Clicking the model name of each speaker will open a pop-up window containing detailed information about that monitor.

The pop-up window for subwoofer models also contains an additional control to form an XBD link. See the section on XBD systems for further explanation.

Opening this window also causes the speaker to identify itself by flashing its illuminated logo on / off for several seconds.

Monitor Selector

The monitor selector displays speakers by their graphical location based on their assigned channel names. It is a quicker way to identify and select particular speakers. Once a speaker has been assigned a channel, it becomes available for use in the Monitor Selector. All other functions on the monitor selector window only affect speakers that have had channels assigned.

• All / All Subs / None

These buttons select all speakers, select all subwoofers, and de-select all speakers.

• Copy / Paste

The Copy button copies the settings of the 'Current' speaker to the SoundAlign clipboard. The Paste button applies these settings to all selected speakers.

• Sub Bypass

The Sub Bypass control mutes all subwoofers and disables the bass-management high-pass filters in all full-range speakers. The status of each speaker's bass-management filter can be found in the Model Info pop-up window.

EQ Window

The EQ window graphically displays the EQ settings of the 'Current' speaker. Any changes made in this window will affect all selected speakers.

Each EQ band has text entry boxes for each parameter and a coloured On/ Off button. The EQ graph can also be clicked and dragged with a mouse, and the mouse scroll wheel adjusts the Q-factor. Altered EQ settings are applied by the DSP only when the mouse button is released.

Settings Window

The settings window contains controls for preset management, firmware updating, and illuminated logo brightness. Adjustments made in this window affect all selected speakers.

Preset Management

The same preset management functions available on the speaker's rear-panel controls are also available from this window — 3 presets can be stored and loaded to and from the speaker's internal memory, and factory defaults can be restored.

The SoundAlign interface also includes additional functionality to save presets to a file on your device (PC, Mac etc.). Presets saved to a file can be for a single speaker or a complete multi-channel system.

Saved files will have .json extension and be named with the following conventions:

• Single speaker presets: MODEL-CHANNEL-DATE_TIME

For example, 6-2-RIGHT-2021-8-27_14-30.json would indicate a preset file from the right-hand PMC6-2 saved on 14:30 on the 27th August 2021.

- Multi-channel presets: N-CHANNEL1-CHANNEL2…CHANNELN-DATE_TIME

N is the number of channels in the preset, so, 3-LEFT-CENTRE-RIGHT-2021-8-27_14-30.json would indicate a preset file with an entry for left, centre and right speakers (3 total) saved at 14:30 on the 27th August 2021

Previously saved preset files stored on your device can be uploaded to the speakers by selecting the 'Load from File' button. If a single-channel preset file is uploaded it will be applied to all selected speakers.

If a mutli-channel preset file is uploaded the settings for each channel in the preset will be applied to any speakers in the selected group with the same channel assignment. For example, if the preset file contains settings for a 5.1 system, the settings for the 'Left' speaker entry in the preset file will be applied to all selected speakers that have their Channel set to 'Left', and the settings for the 'Centre' speaker entry in the preset file will be applied to all selected speakers that have their Channel set to 'Centre', and so on.

Firmware Updates

The firmware of PMC speakers that contain SoundAlign can be updated through the web interface.

The Get Firmware button links to an area of the PMC website where firmware files can be downloaded to your device (PC, Mac etc.) Firmware files have a .pmc file extension.

The Update Firmware button allows you to upload a firmware file from your device to all selected speakers. Once a firmware file is selected in the pop-up window on your device, the firmware update process will begin.

During the firmware update process the speaker's illuminated logo will flash white/blue or white/green. Once the update is complete the speaker will be re-booted and the web-interface will refresh. This process can take up to 60 seconds, and during this time the SoundAlign interface must not be refreshed, or the speaker power cycled or disconnected from the network.

Logo Brightness

This control adjusts the brightness of the PMC logo on the front of the speaker.

At the minimum (10%) setting the logo will only glow when activated by the driver protection system or to indicate user interaction with the SoundAlign web interface.

Support

A link to the SoundAlign FAQ and support page can be found at the top right-hand corner of the main window.

Mobile Devices

Due to the small screen size of mobile phones the full grid-matrix of controls and the EQ graph are not displayed when accessing SoundAlign from these devices. Instead, these controls can be accessed through a series of sliders and toggle buttons in the Control window.

If multiple speakers are selected the controls display the settings of the 'Current' speaker, but any changes made in this window will affect all selected speakers.

XBD SYSTEMS

By adding an additional PMC sub unit, the PMC6, PMC6-2, and PMC8-2 can be easily reconfigured as twin-cabinet XBD monitor systems. This popular and flexible format combines a full-range speaker and subwoofer to form a perfectly integrated system with huge benefits.

In the case of the PMC6, the speaker becomes a three-way design crossing-over between the nearfield cabinet and subwoofer at 125Hz. The bass response of the resulting XBD monitor system extends down to 25Hz, giving genuine full-range midfield monitor performance in a compact form.

Since the mid-bass driver no longer handles the lowest bass frequencies, distortion is further reduced and the mid-range frequencies gain extra clarity, lending vocals still greater realism and depth.

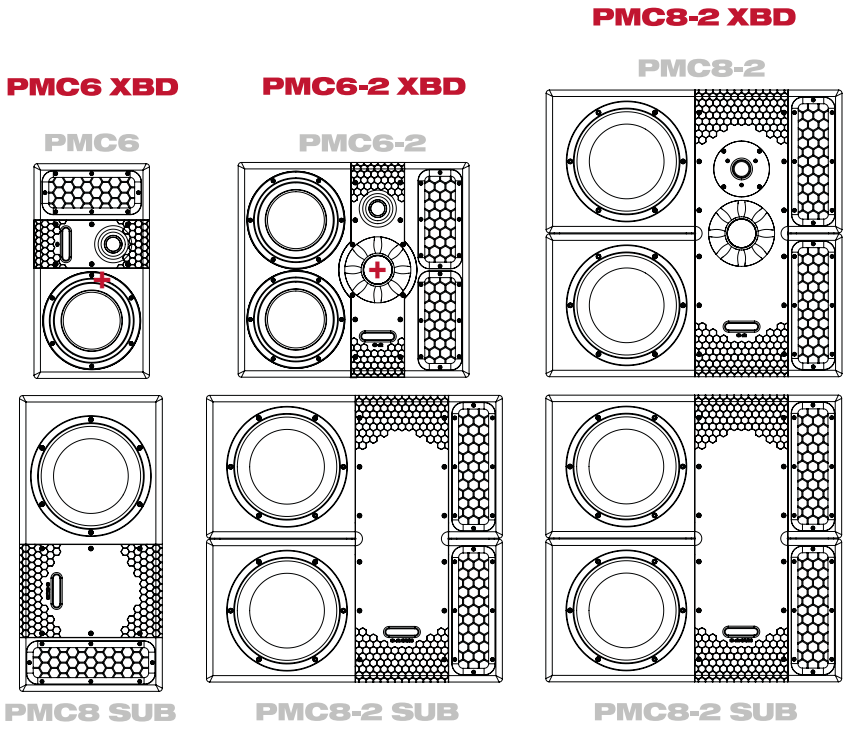
Configuring a PMC6-2 or PMC8-2 as an XBD system reinforces the bass output of the main speaker's LF drivers, greatly increasing headroom all the way down to 25Hz, creating a system with a sense of effortless capability.

PMC6 XBD: PMC6 + PMC8 SUB

PMC6-2 XBD: PMC6-2 + PMC8-2 SUB

PMC8-2 XBD: PMC8-2 + PMC8-2 SUB

NB: When a subwoofer is set to XBD Mode ON, its bass-management filter behaves as if it were a full-range speaker. Therefore, the low-pass filter that is usually employed in a subwoofer is automatically converted into a high-pass filter, mirroring the behaviour of the full-range speaker with which it is paired.



XBD SYSTEM CONFIGURATION

In an XBD system both speakers should be fed the same input signal. This is normally achieved by using the digital 'through' output of the main speaker to feed the subwoofer but, alternatively, both speakers could be fed directly from the same analogue source via a splitter cable.

An XBD system can be set up in three ways:

• Manually setting each speaker to XBD Mode ON

• Linking the speakers in the SoundAlign interface

• Form a standalone link by connecting an Ethernet cable directly between the RJ-45 connectors of the following speaker combinations:

  – PMC6 and PMC8 SUB

  – PMC6-2 and PMC8-2 SUB

  – PMC8-2 and PMC8-2 SUB

In each case the speaker will apply adjustments to its crossover to ensure optimum integration between the full-range and subwoofer cabinets.

Linking speakers with SoundAlign

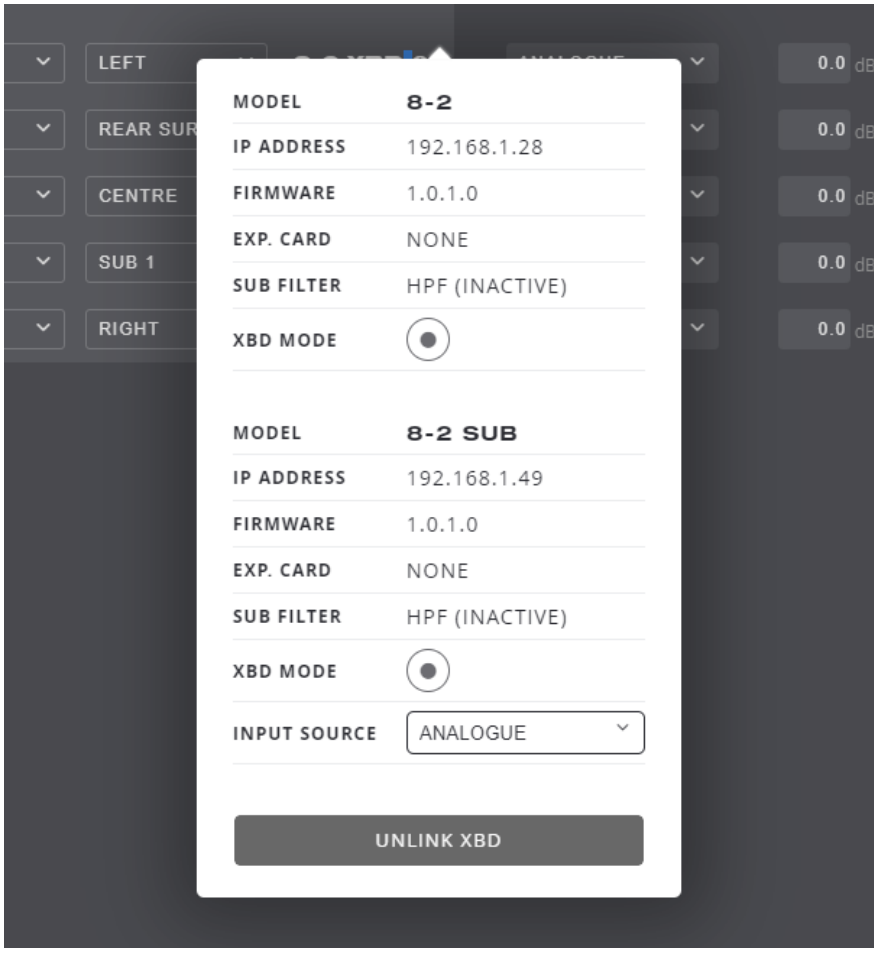
Linking the full range and subwoofer cabinets using the SoundAlign interface brings added benefits of:

• The speaker will be merged into a single entry in the main window and the model name will indicate that the speakers are acting as a single XBD system.

• User settings applied to one speaker will be applied simultaneously to both speakers.

To form an XBD link in the SoundAlign interface, open the Model Info box on the subwoofer which you wish to link and select the appropriate full-range speaker from the drop-down.

Once the link is formed and the two speakers are merged in the interface, the Model Info box will show information for both speakers. From this extended Info box you can select the input source of the subwoofer cabinet independently of the full-range cabinet, and have the option to unlink the two speakers.



Standalone XBD Systems

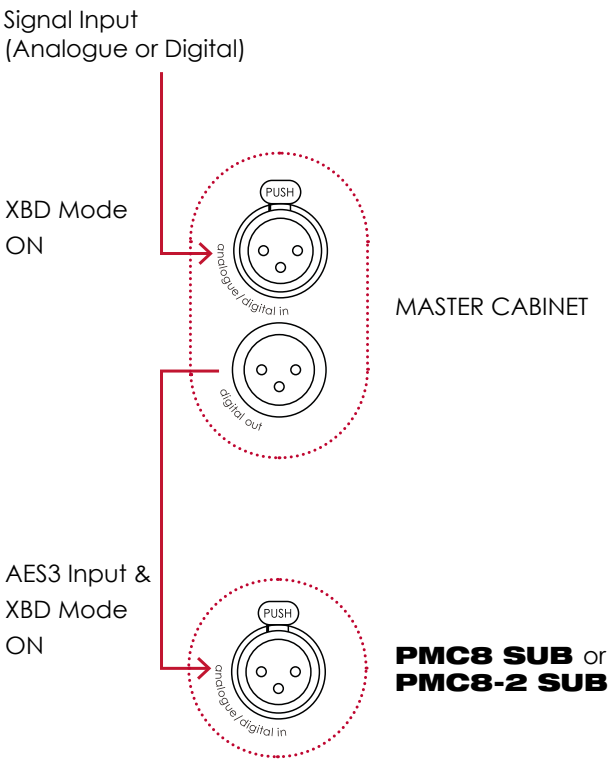
For users not wishing to use the SoundAlign interface, a standalone XBD system can be formed by connecting an Ethernet cable directly between the RJ-45 connectors of the following speaker combinations:

– PMC6 and PMC8 SUB

– PMC6-2 and PMC8-2 SUB

– PMC8-2 and PMC8-2 SUB

When a standalone XBD link is formed both speakers adjust their crossover to ensure optimum integration between the full-range and subwoofer cabinets. Any parameter adjustments made using the rear-panel controls of the full-range speaker will be applied simultaneously to the subwoofer. Changes made using the subwoofer cabinet's rear-panel controls will be ignored, with the exception of changes to its input source.



ACCESSORIES

Stands

It is critical that monitor loudspeakers are positioned at the correct height and the acoustic centre of the speaker should align with the listener's ears – they should also be kept stable during operation. The structure and materials used to support the monitor will have a bearing on the performance of the system; a well-designed stand will ensure optimum imaging, dynamics, and overall tonal balance. Bespoke stands that meet these criteria are available for the PMC8-2, PMC8-2 XBD and PMC6-2 XBD.

Mounting Yokes

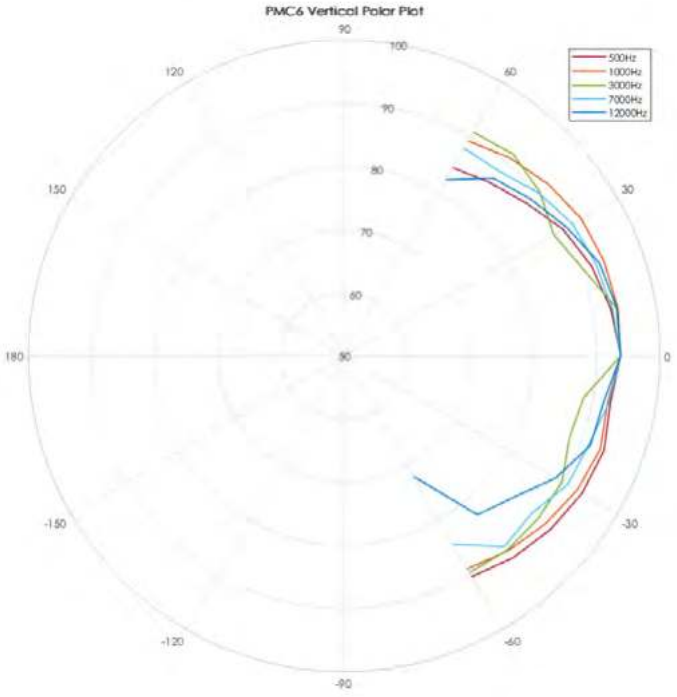
Where wall or ceiling mounting is required, the PMC6 and PMC6-2 can be safely supported from the YOKE 18 mounting bracket. This yoke provides a variety of mounting options with movement in two axes, providing a flexible but secure solution to mount the monitors discreetly into any space.

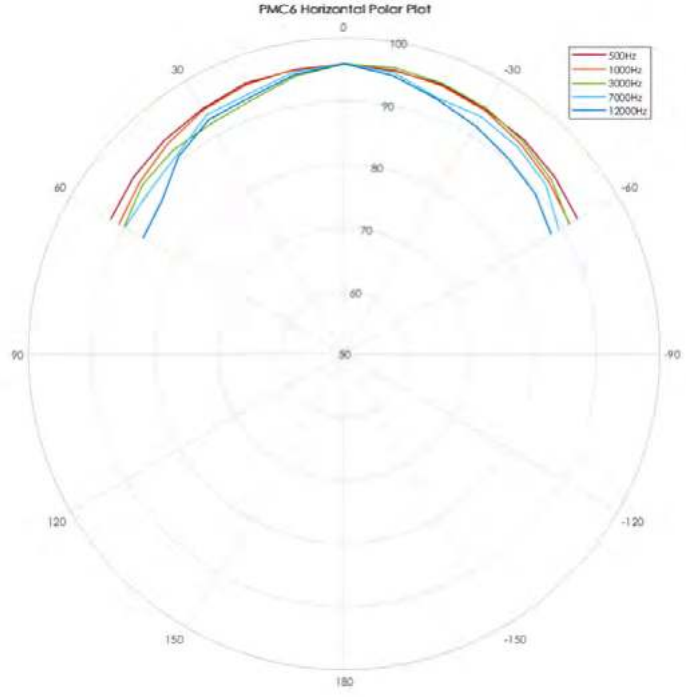

PMC
STUDIO

PMC6

Type	Active 2-way nearfield reference monitor with ATL™ bass loading
Drive unit complement	**LF** PMC 150mm (6") studio 6 driver **HF** PMC 27mm (1") soft dome tweeter
Effective ATL™ length	1.8m (5.9ft)
Frequency response	39Hz - 25kHz (- 3dB) (@1m full space, on-axis)
Sensitivity	+4dBu input signal = 98dB SPL @ 1m
Max continuous SPL	106dB @1m (Half space value calculated as +3dB from full space measurement. Unweighted input, 20-20kHz Pink Noise (IEC) with 12dB CF for 2 hours AES2-1984 duration)
Max Peak SPL	118dB @1m (Half space value calculated as +3dB from full space measurement. Unweighted input, 20-20kHz Pink Noise (IEC) with 12dB CF for 2 hours AES2-1984 duration)
Directivity	**H** +/-60 degrees **V** +50/-40 degrees (-6dB off axis @10kHz)
Input	XLR switchable between analogue & digital AES3 **Analogue input** - +20/+24dBu max. input level (selectable) - 22K ohm input impedance **Digital input** - 16/24-bit AES3 signal, left, right or left + right - 18 - 192kHz sample rate - 110 ohm input impedance **Expansion card slot** - For future connectivity upgrades
Output	XLR digital AES3 (fixed 24-bit @ 96kHz)
Network	RJ45 for use with PMC SoundAlign web interface
Features	Level Trim (+/-10dB) Orientation (portrait, landscape, auto) High-pass filter (20 - 200Hz, 12dB/Oct) Delay (0 - 30mS) Phase (normal or inverted) LF & HF shelving filters (20Hz - 20kHz, +/- 10dB, Q 0.707) Parametric EQ (5 bands, 20Hz - 20kHz, +/- 10dB) User presets (3 + factory defaults)
Latency	2.4mS
Amplifier power per channel	**LF** 1 x 200Wrms **HF** 1 x 200Wrms
Mains	100 - 240VAC auto-switching, 50-60Hz (IEC C14)
Power consumption (idle)	35W
Power consumption (max)	400W
Cabinet dimensions	**H** 400mm (15.7") **W** 215mm (8.5") **D** 372mm (14.6") (portrait) **H** 215mm (8.5") **W** 400mm (15.7") **D** 372mm (14.6") (landscape)
Weight	11.1kg (24.4lbs) each
Available finishes	Studio black

PMC6

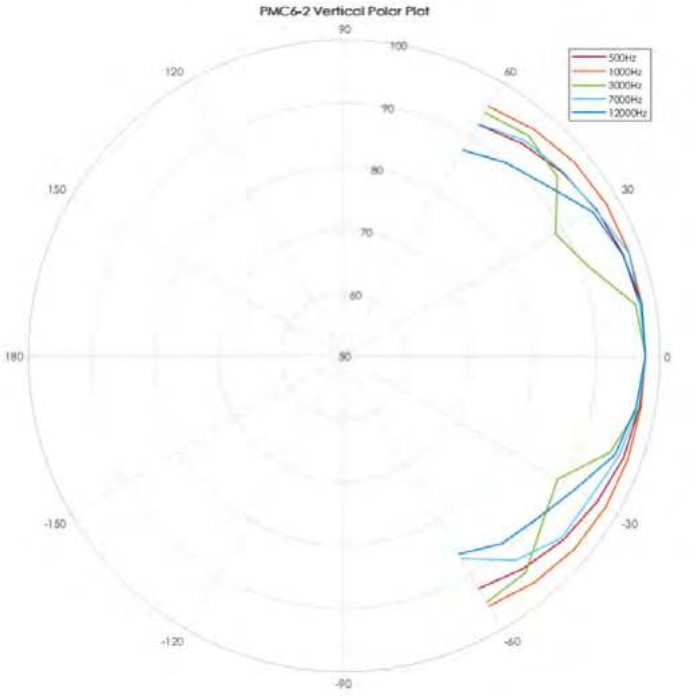

PMC6 Vertical Polar Plot
500Hz
1000Hz
3000Hz
7000Hz
12000Hz
90
120
60
150
30
180
0
-150
-30
-120
-60
-90
100
90
80
70
60
50


PMC6 Horizontal Polar Plot
500Hz
1000Hz
3000Hz
7000Hz
12000Hz
0
30
-30
60
-60
90
-90
120
-120
150
-150
180
100
90
80
70
60
50

PMC6-2

Type	Active 3-way nearfield reference monitor with ATL™ bass loading
Drive unit complement	**LF** 2 x PMC 150mm (6") studio 6 drivers **MF** PMC55 55mm (2") soft dome mid-range **HF** PMC 27mm (1") soft dome tweeter
Effective *ATL*™ length	2m (6.6ft)
Frequency response	33Hz - 25kHz (- 3dB) (@1m full space, on-axis)
Sensitivity	+4dBu input signal = 98dB SPL @ 1m
Max continuous SPL	109dB @1m (Half space value calculated as +3dB from full space measurement. Unweighted input, 20-20kHz Pink Noise (IEC) with 12dB CF for 2 hours AES2-1984 duration)
Max Peak SPL	121dB @1m (Half space value calculated as +3dB from full space measurement. Unweighted input, 20-20kHz Pink Noise (IEC) with 12dB CF for 2 hours AES2-1984 duration)
Directivity	**H** +/-50 degrees **V** +60/-40 degrees (-6dB off axis @10kHz)
Input	XLR switchable between analogue & digital AES3 **Analogue input** - +20/+24dBu max. input level (selectable) - 22K ohm input impedance **Digital input** - 16/24-bit AES3 signal, left, right or left + right - 18 - 192kHz Sample Rate - 110 ohm input impedance **Expansion card slot** - For future connectivity upgrades
Output	XLR digital AES3 (fixed 24-bit @ 96kHz)
Network	RJ45 for use with PMC SoundAlign web interface
Features	Level Trim (+/-10dB) High-pass filter (20 - 200Hz, 12dB/Oct) Delay (0 - 30mS) Phase (normal or inverted) LF & HF shelving filters (20Hz - 20kHz, +/- 10dB, Q 0.707) Parametric EQ (5 bands, 20Hz - 20kHz, +/- 10dB) User presets (3 + factory defaults)
Latency	2.4mS
Amplifier power per channel	**LF** 2 x 400Wrms **MF** 1 x 400Wrms **HF** 1 x 400Wrms
Mains	100 - 240VAC auto-switching, 50-60Hz (IEC C14)
Power consumption (idle)	50W
Power consumption (max)	1500W
Cabinet dimensions	**H** 400mm (15.7") **W** 430mm (16.9") **D** 372mm (14.6")
Weight	21.3kg (47lbs) each
Available finishes	Studio black

PMC6-2


PMC6-2 Vertical Polar Plot
500Hz
1000Hz
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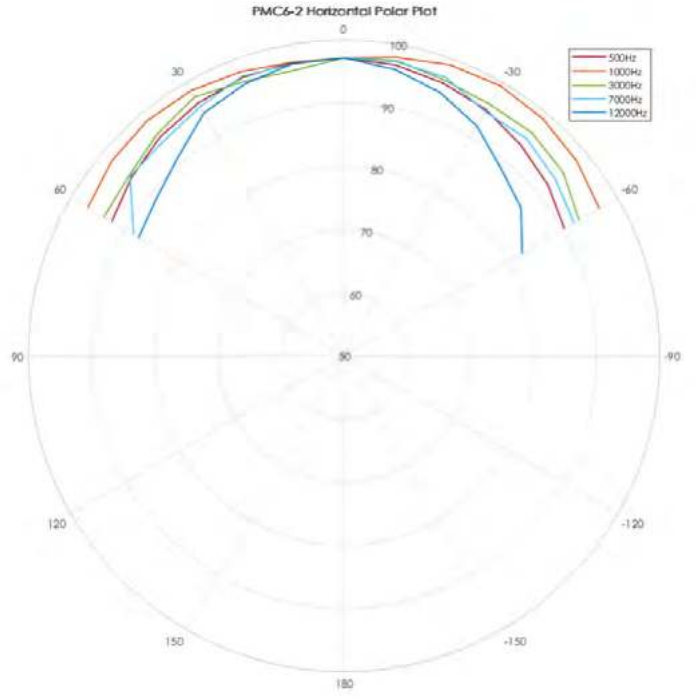
PMC6-2 Horizontal Polar Plot
500Hz
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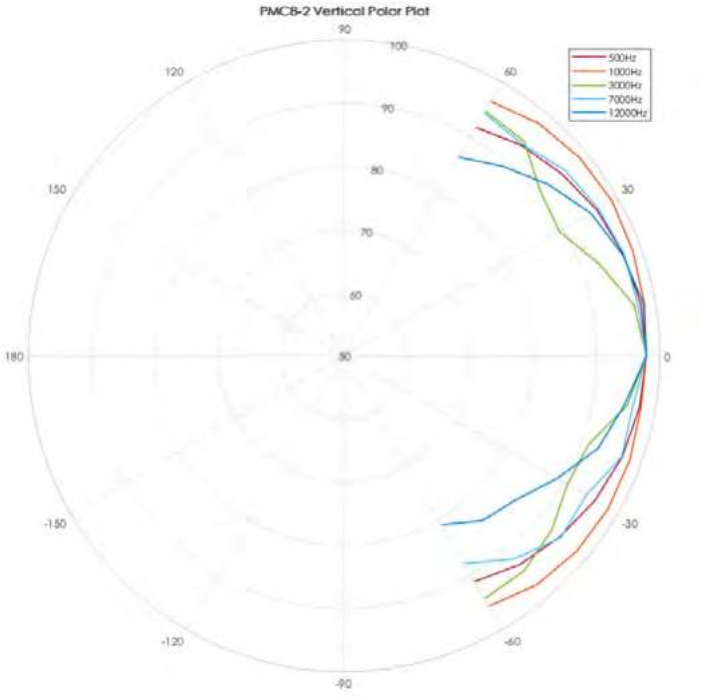
PMC8-2

Type	Active 3-way nearfield reference monitor with ATL™ bass loading
Drive unit complement	**LF** 2 x PMC 200mm (8") studio 8 drivers **MF** PMC55 55mm (2") soft dome mid-range **HF** PMC 27mm (1") soft dome tweeter
Effective ATL™ length	3m (9.8ft)
Frequency response	25Hz - 25kHz (- 3dB) (@1m full space, on-axis)
Sensitivity	+4dBu input signal = 98dB SPL @ 1m
Max continuous SPL	113dB @1m (Half space value calculated as +3dB from full space measurement. Unweighted input, 20-20kHz Pink Noise (IEC) with 12dB CF for 2 hours AES2-1984 duration)
Max Peak SPL	125dB @1m (Half space value calculated as +3dB from full space measurement. Unweighted input, 20-20kHz Pink Noise (IEC) with 12dB CF for 2 hours AES2-1984 duration)
Directivity	**H** +/-45 degrees **V** +/-50 degrees (-6dB off axis @10kHz)
Input	XLR switchable between analogue & digital AES3 **Analogue input** - +20/+24dBu max. input level (selectable) - 22K ohm input impedance **Digital input** - 16/24-bit AES3 signal, left, right or left + right - 18 - 192kHz Sample Rate - 110 ohm input impedance **Expansion card slot** - For future connectivity upgrades
Output	XLR digital AES3 (fixed 24-bit @ 96kHz)
Network	RJ45 for use with PMC SoundAlign web interface
Features	Level Trim (+/-10dB) High-pass filter (20 - 200Hz, 12dB/Oct) Delay (0 - 30mS) Phase (normal or inverted) LF & HF shelving filters (20Hz - 20kHz, +/- 10dB, Q 0.707) Parametric EQ (5 bands, 20Hz - 20kHz, +/- 10dB) User presets (3 + factory defaults)
Latency	2.4mS
Amplifier power per channel	**LF** 2 x 400Wrms **MF** 1 x 400Wrms **HF** 1 x 400Wrms
Mains	100 - 240VAC auto-switching, 50-60Hz (IEC C14)
Power consumption (idle)	50W
Power consumption (max)	1500W
Cabinet dimensions	**H** 534mm (21") **W** 551mm (21.7") **D** 440mm (17.3")
Weight	39kg (86lbs) each
Available finishes	Studio black

PMC8-2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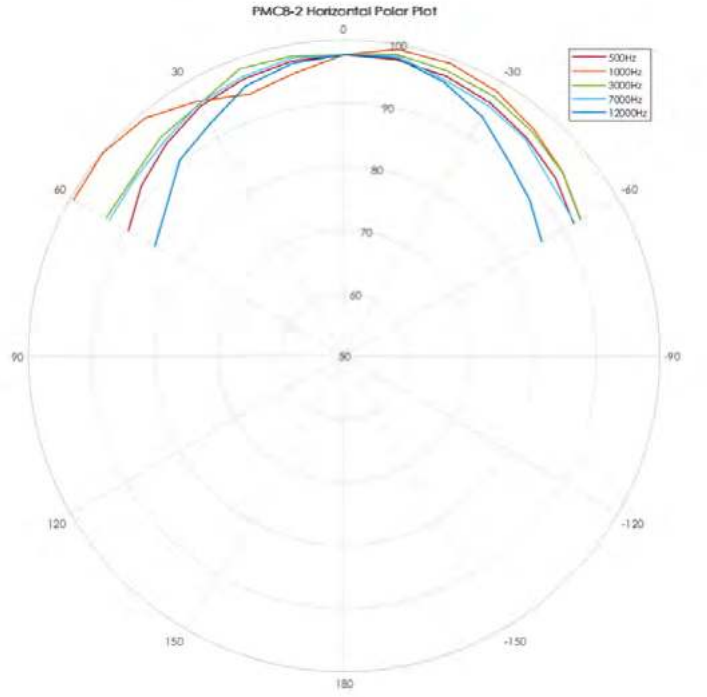
PMC8-2 Horizontal Polar Plot
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PMC8 SUB

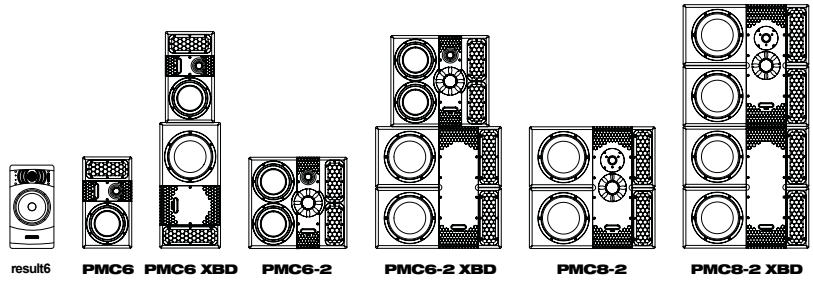
Type	Active subwoofer with an 8-inch bass driver and ATL™ bass loading
Drive unit complement	**LF** PMC 200mm (8") studio 8 driver
Effective ATL™ length	3m (9.8ft)
Frequency response	25Hz - 500Hz (- 3dB) (@1m full space, on-axis)
Sensitivity	+4dBu input signal = 98dB SPL @ 1m
Max continuous SPL	109dB @1m (Quarter space value calculated as +3dB from half space measurement. Unweighted input, 20-20kHz Pink Noise (IEC) with 12dB CF for 2 hours AES2-1984 duration)
Max Peak SPL	121dB @1m (Quarter space value calculated as +3dB from half space measurement. Unweighted input, 20-20kHz Pink Noise (IEC) with 12dB CF for 2 hours AES2-1984 duration)
Input	XLR switchable between analogue & digital AES3 **Analogue input** - +20/+24dBu max. input level (selectable) - 22K ohm input impedance **Digital input** - 16/24-bit AES3 signal, left, right or left + right - 18 - 192kHz Sample Rate - 110 ohm input impedance **Expansion card slot** - For future connectivity upgrades
Output	XLR digital AES3 (fixed 24-bit @ 96kHz)
Network	RJ45 for use with PMC SoundAlign web interface
Features	Level Trim (+/-10dB) High-pass/Low-pass filter (20 - 200Hz, 12dB/Oct) Delay (0 - 30mS) Phase (normal or inverted) LF & HF shelving filters (20Hz - 20kHz, +/- 10dB, Q 0.707) Parametric EQ (5 bands, 20Hz - 20kHz, +/- 10dB) User presets (3 + factory defaults)
Latency	2.4mS
Amplifier power	300Wrms
Mains	100 - 240VAC auto-switching, 50-60Hz (IEC C14)
Power consumption (idle)	25W
Power consumption (max)	300W
Cabinet dimensions	**H** 266mm (10.5") **W** 551mm (21.7") **D** 440mm (17.3")
Weight	18.5kg (40.8lbs) each
Available finishes	Studio black

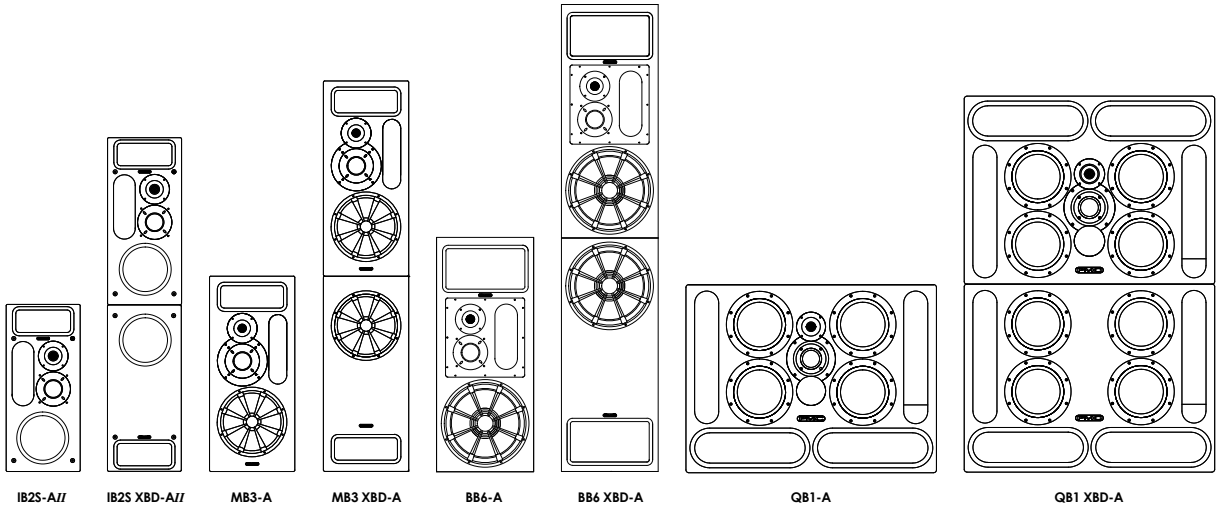
PMC8-2 SUB

Type	Active subwoofer with twin 8-inch bass drivers and ATL™ bass loading
Drive unit complement	**LF** PMC 200mm (8") studio 8 driver
Effective ATL™ length	3m (9.8ft)
Frequency response	25Hz - 500Hz (- 3dB) (@1m full space, on-axis)
Sensitivity	+4dBu input signal = 98dB SPL @ 1m
Max continuous SPL	109dB @1m (Quarter space value calculated as +3dB from half space measurement. Unweighted input, 20-20kHz Pink Noise (IEC) with 12dB CF for 2 hours AES2-1984 duration)
Max Peak SPL	121dB @1m (Quarter space value calculated as +3dB from half space measurement. Unweighted input, 20-20kHz Pink Noise (IEC) with 12dB CF for 2 hours AES2-1984 duration)
Input	XLR switchable between analogue & digital AES3 **Analogue input** - +20/+24dBu max. input level (selectable) - 22K ohm input impedance **Digital input** - 16/24-bit AES3 signal, left, right or left + right - 18 - 192kHz Sample Rate - 110 ohm input impedance **Expansion card slot** - For future connectivity upgrades
Output	XLR digital AES3 (fixed 24-bit @ 96kHz)
Network	RJ45 for use with PMC SoundAlign web interface
Features	Level Trim (+/-10dB) High-pass/Low-pass filter (20 - 200Hz, 12dB/Oct) Delay (0 - 30mS) Phase (normal or inverted) LF & HF shelving filters (20Hz - 20kHz, +/- 10dB, Q 0.707) Parametric EQ (5 bands, 20Hz - 20kHz, +/- 10dB) User presets (3 + factory defaults)
Latency	2.4mS
Amplifier power	300Wrms
Mains	100 - 240VAC auto-switching, 50-60Hz (IEC C14)
Power consumption (idle)	25W
Power consumption (max)	300W
Cabinet dimensions	**H** 266mm (10.5") **W** 551mm (21.7") **D** 440mm (17.3")
Weight	18.5kg (40.8lbs) each
Available finishes	Studio black

OUR ACTIVE STUDIO MONITORS

The PMC range of studio monitors currently spans many different models, from the enormous QB1 XBD-A flagship system down to the diminutive result6 active speaker. However, every monitor is designed with the same care and attention, using shared families of drive units, crossover designs, and amplifiers. As a direct consequence they all enjoy the same family characteristics of wide dispersion, low distortion, consistent voicing, and an even bass response regardless of listening level. This feature allows different sizes of monitors to be used in concert to create effective multichannel systems where space is at a premium.





SERVICE

We are confident that your main monitors will afford many years of trouble-free listening of the highest order. However, in the unlikely event that they should require repair, all replacement parts will exactly match the performance of those originally installed, because for every loudspeaker we produce, we record the precise value of each component, along with the system response as a whole.

For any issues that might arise, or for advice and service requirements, the primary point of contact should be your authorised PMC dealer/distributor. If you do not have a local representative see www.pmc-speakers.com and click on 'where to buy' to locate them.

Important Note:

Please do not return any products to PMC directly without first contacting our service department by email at service@pmc-speakers.com. Alternatively, you can fill out a service request form at www.pmc-speakers.com/support/service-request

Important Note: Please do not return any products to PMC directly without first contacting our service department.

METICULOUS CARE AND ATTENTION

All PMC loudspeakers are hand-built in the UK using components that are individually matched to our reference model. This includes the structural integrity of every cabinet, and the testing and recording of each individual component to guarantee adherence to our strict tolerances. In this way we can ensure your purchase sounds identical to the original design.

Each completed monitor undergoes a set of objective listening tests and measurements. For example, frequency response sweeps ensure that the unit meets our exacting performance criteria, and critical listening tests are conducted against the reference model using a wide variety of audio material, from a benchmark BBC speech recording to carefully selected classical music, pop and rock tracks.

“Computers don’t tell the full story. As well as a full frequency analysis, we listen to each speaker we make and run a benchmark BBC speech and music test on every single one.”

ONLINE WARRANTY

Register within 10 days to unlock your extended 5 year warranty

Visit pmc-speakers.com and click on

register a product


PMC
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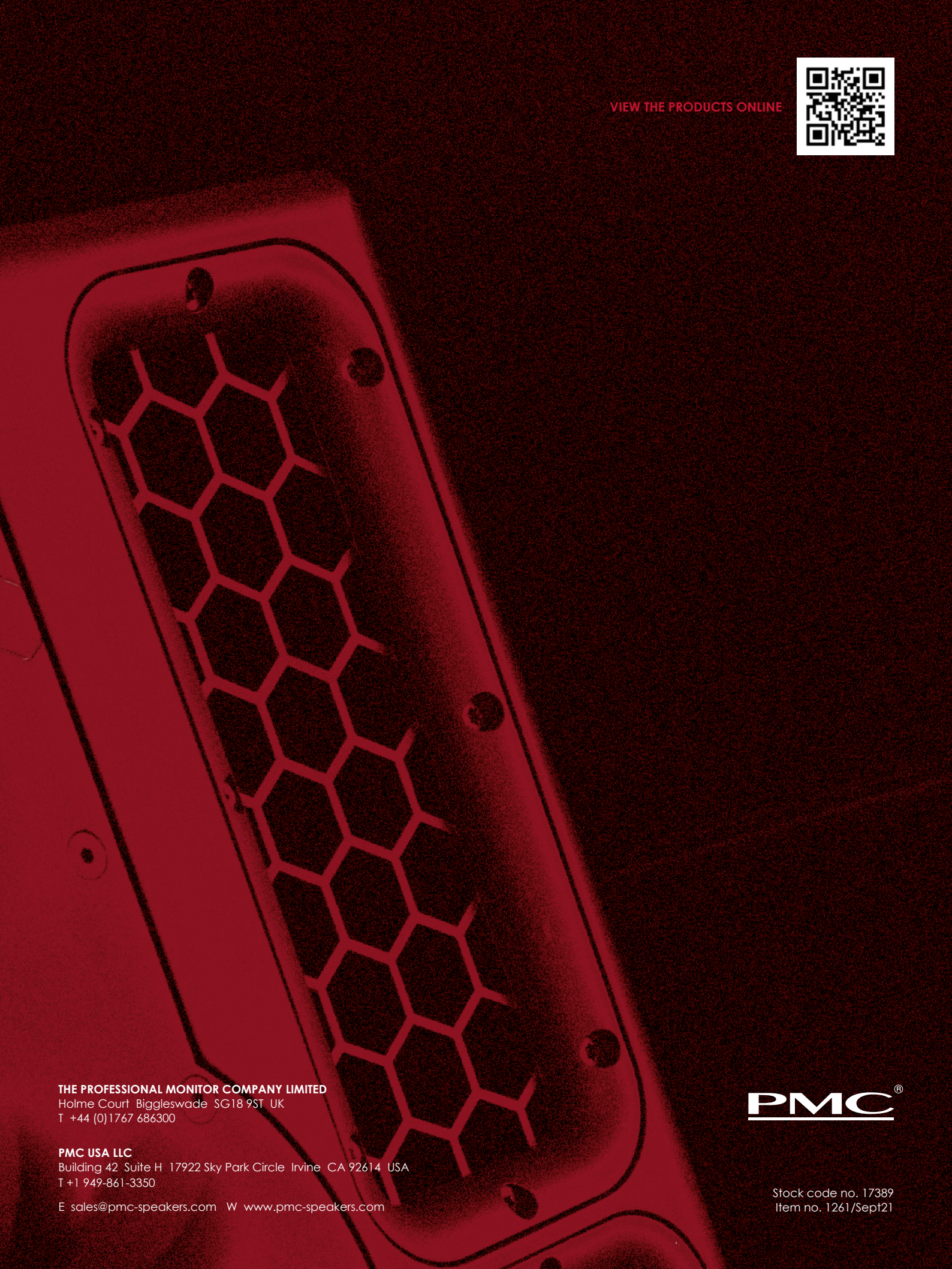
CE Conformity

PMC loudspeakers conform to CE Directive LVD 73/23/EEC and EMC 89/336/EEC. WEEE European directive - PMC is a member of a National Compliance scheme and have gained the associated certification of compliance and the following registration number from the Environment Agency WEEE/GJ0101WU

WEEE EU Directive

This symbol on the product or in/on its packaging indicates that this product must not be disposed of with other household waste. It is the responsibility of the owner to dispose of waste equipment via a designated collection point for the recycling of waste electrical and electronic equipment. The recycling of your waste equipment is an attempt to conserve natural resources and ensures that it is recycled in a manner that protects human health and the environment. For more information about where you dispose of your waste equipment for recycling, please contact your local waste/ recycling authority or the dealer from whom you purchased the product.

VIEW THE PRODUCTS ONLINE



THE PROFESSIONAL MONITOR COMPANY LIMITED
Holme Court Biggleswade SG18 9ST UK
T +44 (0)1767 686300

PMC USA LLC
Building 42 Suite H 17922 Sky Park Circle Irvine CA 92614 USA
T +1 949-861-3350

E sales@pmc-speakers.com W www.pmc-speakers.com

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