



The reference of professionals



Your guide to the ultimate audio experience

Serial No

Builder

Model

'We make the loudspeakers that make the whole world sing'

Product Support

For product support, accessories or servicing advice, please contact a PMC authorised dealer see www.pmc-speakers.com.

Warranty Certificate

Please take a few moments to complete the warranty card at the back of this booklet or register at www.pmc-speakers.com. This records the purchase of your loudspeakers and provides you, the customer an opportunity to make suggestions and provide feedback directly to PMC.

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.

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CE Conformity PMC passive loudspeakers conform to CE Directive LVD 73/23/EEC and EMC 89/336/EEC.

WEEE European directive - PMC Limited 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



A message from Peter Thomas -
arguably the world's smartest
loudspeaker designer ...
and a truly obsessive audiophile.

Our sole aim while designing loudspeakers was to recreate the true essence of an artist's intention, combining an ultimate level in 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, and then finally the consumer. Our unswerving passion for getting it right has made this goal possible.

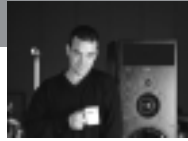
Thank you for choosing PMC products. It is now time for you to read the user guide, press the play button, and realise just how much you've been missing.

Peter Thomas
Owner & Chief Designer

Congratulations you have joined the elite

*With PMC you can hear exactly what the artist intended,
not a poor interpretation.*

Stevie Wonder Prince Google
Coldplay Kraftwerk Peter Gabriel
Robbie Williams Brian May
Eleanor McEvoy Francis Rossi -
Status Quo Brian Ferry
Peter Andre Bryston Tori Amos
Underworld Crystal Method
Tony Bennett John Rutter
Rough Trade BBC Radio BBC TV
Capital Radio Piccadilly
Radio RTL Emil Berliner/Deutsche
Grammophon NFL (National
Football League) teldex Studios
Hospital HDTV Broadcast Studios
Digidesign Siemens EMI Royal
Shakespeare Company DECCA
The Moving Picture Company
Paul Merton ORF The University of
Music - Düsseldorf The Royal
School of Music JVC DENON UK
The Royal Astronomical Society
Warner Music Capitol records
Chesky records N.Y. University



Robbie Williams



Advantage - USA



BBC London - UK



Francis Rossi



Mastermix - USA



Pierce Rooms - UK



Nautikus Mastering - Italy



Metropolis - UK



Brian May



OH - Austria



Metropolis - UK



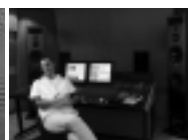
Teldex - Berlin



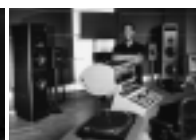
The Hospital Studio HDTV Centre - UK



Telegenic - UK



Swoon Factory - Austria



Optimum Mastering - UK



Teldex - Berlin



Emil Berliner Studios - Berlin



Studio Delphine - France



BBC Sounds One OB - UK

Loudspeaker User Guide

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General Usage Guidelines

- 1 Read these instructions and keep them in a safe place for future reference.
- 2 Heed all electrical safety warnings, including any on the loudspeakers themselves.
- 3 Do not use the loudspeakers near water.
- 4 Only clean the unit with a dry, lint-free, cloth. Do not use solvents, abrasives, waxes or liquids.
- 5 Spikes for use with the floorstanding models and the Tube Stands™ are sharp and should be treated with great care during installation and use.
- 6 Do not install near any heat sources such as radiators, ovens or other equipment that produce excessive heat.
- 7 Unplug this product from both source and power during electrical storms or when unused for extended periods of time.
- 8 Packing material can pose danger to the young and vulnerable. Ensure these items are kept or disposed of safely.
- 9 High volume audio signals, however short their duration, have the potential to cause hearing damage. Use care when setting the system volume level to ensure playback sound pressure levels remain within safe comfortable limits.
- 10 Do not attempt to service the equipment. There are no user serviceable parts inside. Please refer all servicing to PMC authorised personnel.
- 11 Servicing is required when the apparatus is damaged, exposed to moisture, or exhibits a distinct or sudden change of operation or audio performance.
- 12 PMC has made efforts to provide accurate installation information and good quality fixings. PMC LTD/PMC USA LLC 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.



Introduction

The **i** series is the embodiment of our innovative approach to professional audio monitoring, brought to the home.

PMC products are to be found in every demanding application, from broadcast to major film scoring to CD and DVD mastering. The accumulated technical knowledge and high level of engineering excellence developed over many years at the pinnacle of professional studio monitoring has been incorporated into the development and production of the **i** series - leading professionals such as BBC Radio and Television, Dolby Laboratories, DTS, Dreamworks USA, JVC Studios Japan, Lucasfilm and Coldplay, use PMC loudspeakers. There are no differences between the production of professional and domestic product bar the cabinet finish.

The **i** series models, including their corresponding horizontal centre channel versions have been engineered with identical tonal balance and dispersion characteristics. This makes them ideal to 'mix and match' to create the ultimate high resolution Home Theatre system in any domestic setting.

The sub/.1 effects channel within a **i** series system is ideally handled by the professional proven TLE1 active subwoofer which excels in production of both sheer level of bass energy and musical subtlety when required.

See page 24 for all the **i** series associated products or www.pmc-speakers.com



'Truly Another World'
Brian May - Queen



'Kein kommentar'
Kraftwerk



'They're * * *king brilliant!'
Francis Rossi - Status Quo



PMC's **ATL™** Approach

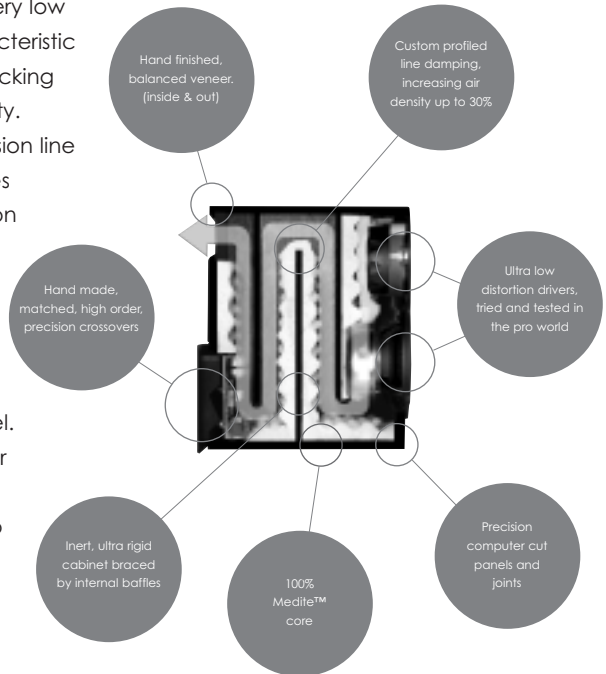
The world's leading professionals rely on the accuracy of PMC's **ATL™** designs everyday to create much of the music and sound you hear everyday.

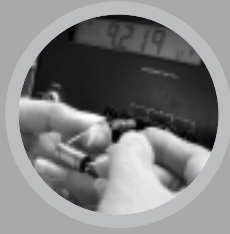
PMC's **ATL™** (Advanced Transmission Line) enclosures have taken loudspeaker design to the highest level. A PMC transmission line design utilises sophisticated cabinet construction, proprietary drive units and patented absorption materials and techniques. The benefits are enormous compared to the relatively simple sealed and ported models currently available elsewhere.

The main driver is placed at one end of a long tunnel (the transmission line), which is heavily damped with absorbent acoustic material. This material is specified to absorb the upper bass and higher frequencies that radiate from the rear of the main driver. The lowest frequencies, which remain in phase, then emerge from the large vent at the end of the line, which essentially acts as a second driver. One advantage to this approach is that the air pressure loading the main driver is maintained, thus controlling the driver over a wide frequency range, which in turn significantly reduces distortion.

A spin-off from the lack of distortion is that the upper bass and midrange is not masked by harmonic distortion residing in the very low frequencies. The result is PMC characteristic transparent midrange and fast, attacking bass notes, all with outstanding clarity.

A further advantage of the transmission line approach is a cabinet that produces a higher SPL and lower bass extension than a ported or sealed design of a similar size. Moreover, as the loading on the main driver is maintained at all volumes, the frequency response also remains consistent regardless of listening level. Neither casual late night listening nor prolonged monitoring sessions have to be conducted at high volumes to achieve maximum bass response, a characteristic that is especially suited to the home user.





Our Attention to Detail

All PMC loudspeakers are hand-built in the U.K. using individual components that are matched to our reference model; this includes the structural integrity of every cabinet and the testing and recording of each component. This guarantees it will be within our strict tolerances and ensures your purchase sounds identical to the original design. Each completed loudspeaker then undergoes a set of objective and subjective measurements - frequency response sweeps ensure that the design meets our exacting performance criteria, and then listening tests are conducted against the reference model using a wide variety of material, from a benchmark BBC speech test to classical music, pop and rock.

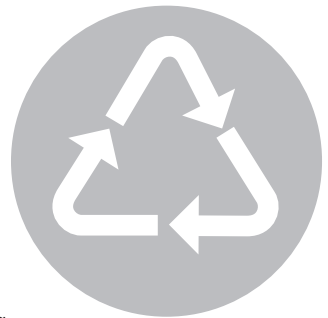




Unpacking

Please retain your packaging for future use as all PMC cartons are durable, reusable and can be employed to safely transport your loudspeakers should they be relocated.

Much of the packing is constructed from recyclable materials, so if you are to dispose of it please do so in an environmentally friendly manner.



Packing materials can pose danger to animals, the young and vulnerable. Ensure these items are kept or disposed of safely.

Plinth installation guide for the floorstanding models

(Note the EB1i plinth is fitted prior to shipping)

Plinths are used to enhance the performance and stability of the floorstanding models in the *i* series range. They attach to the base of each speaker using M8 bolts and accommodate the supplied spikes for use on carpeted surfaces. Plinths should be installed as follows:

- 1 Carefully invert the loudspeaker so that its base is uppermost. Take care not to damage the top of the loudspeaker when it is upside-down; the use of a soft cloth or square of carpet is suggested.
- 2 Position the plinth on the bottom of the loudspeaker so that its large curved edge is to the front (same face as the drive units) and the metal inserts are facing up towards you. Ensure that the corresponding inserts in the base of the cabinet are aligned with the rebated holes in the plinth.
- 3 Locate the large M8 bolts and tighten them gently by hand, then using the supplied Allen key. Ensure that the bolts are not over-tightened.
- 4 Fully thread each spike with one of the supplied lock nuts. The spikes can then be attached to the plinth; they should point upwards whilst the cabinet is inverted. Caution: the spikes are sharp and should be treated with great care and may damage hard flooring if in direct contact.
- 5 Re-invert the loudspeaker so that the spikes and plinth are at the bottom.
- 6 Once in position, level the loudspeaker by adjusting each spike in turn. While this might seem a time-consuming exercise, it is important both in terms of system performance and the stability of the cabinet.
- 7 The final step is to tighten each spike's lock nut; this will ensure that the spike and loudspeaker are as rigid as possible.



Connections

Caution

To avoid potential damage, please ensure that your power amplifier(s) or receiver is turned off before making or breaking any loudspeaker connections.

Cable & connectors

When selecting cables for use with your PMC loudspeakers, ensure that their construction is of a high enough standard to withstand the rigors of everyday use and that they are suitably terminated. While bare wire can be accommodated by the *i* series binding posts, we recommend the use of either spade lugs or 4mm 'banana' plugs in order to maintain an electrical connection of the highest integrity and avoid the possibility of short circuits. Please consult your dealer for more information regarding cable lengths and termination options.

Polarity + & -

It is of vital importance to observe the polarity markings and maintain positive-to-positive and negative-to-negative connections from amplifier or receiver to the loudspeaker. The terminals are colour-coded to aid in their identification, positive terminals are red, negative terminals are black.

Plugging them in

Connection of 2 way speakers

(Speakers with two drive units - a tweeter and a woofer)

Standard connection - A single cable with two conductors

Connect using any of the two pairs of RED+/BLACK- terminals. Ensuring the gold linking bars are secure and the binding posts are finger tight.

Advanced connection

The i series speakers with two drive units (a woofer and a tweeter) can be bi-wired. By loosening all four rear binding posts, the angled bridging plates can be removed thus enabling separate signals to be fed to the low (Woofer) and high frequency (Tweeter) drivers. Ensure the binding posts are re-tightened after the bridging bars are removed.

Both bi-wiring and bi-amping require the use of two lengths of cable per speaker. Bi-amping requires two separate amplifiers; one for each driver. Please consult your dealer regarding the benefits and the correct procedure.

Terminal identification

Top pair of terminals - HF / High Frequency / Tweeter

Bottom pair of terminals – LF / Bass Frequency / Woofer

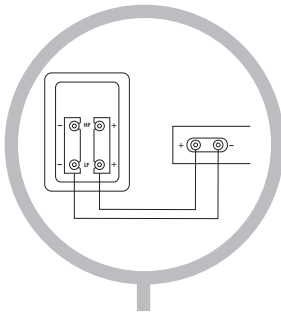
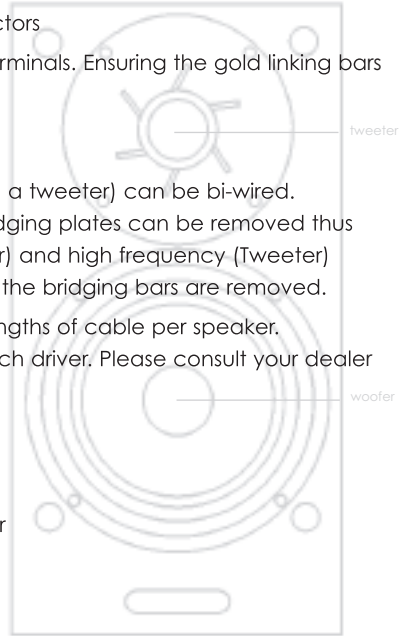


Diagram of back panel standard/single wiring

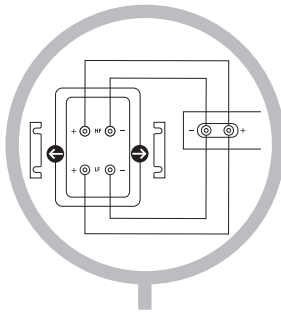


Diagram of back panel bi-wiring

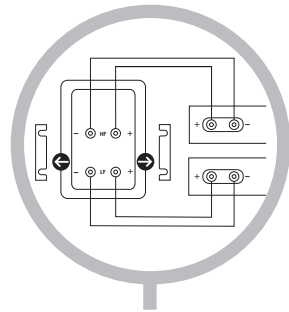


Diagram of back panel bi-amp connection

Connection of 3 way speakers

(Speakers with three drive units - a tweeter, midrange dome & woofer)

Standard connection - A single cable with two conductors

Connect using any of the three pairs of RED+/BLACK- terminals. Ensuring the gold linking bars are secure and the binding posts are finger tight.

Advanced connection

The i series speakers with three drive units (tweeter, mid range dome & woofer) can be bi-wired, bi-amplified, tri-wired or tri-amplified.

By loosening all six rear binding posts, the angled bridging plates can be removed thus enabling separate signals to be fed to the low (Woofer), mid (75mm Dome) and high frequency (Tweeter) drivers. Ensure the binding posts are re-tightened after the bridging bars are removed.

Both bi-wiring and bi-amping require the use of two lengths of cable per speaker, tri-wiring and tri-amping require three lengths per speaker. Bi-amping also requires two separate amplifiers; tri-amping requires three, one for each driver.

Please consult your dealer regarding the benefits and the correct procedure.

Terminal identification

Top pair of terminals - HF / High Frequency / Tweeter

Middle pair of terminals - MF / Mid Frequency / 75mm Dome

Bottom pair of terminals - LF / Bass Frequency / Woofer

(The CB6i terminal plate is at 90 ° to those illustrated here. The LF terminals on the far right)

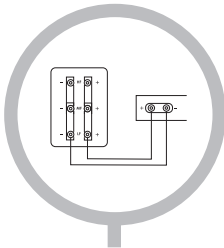
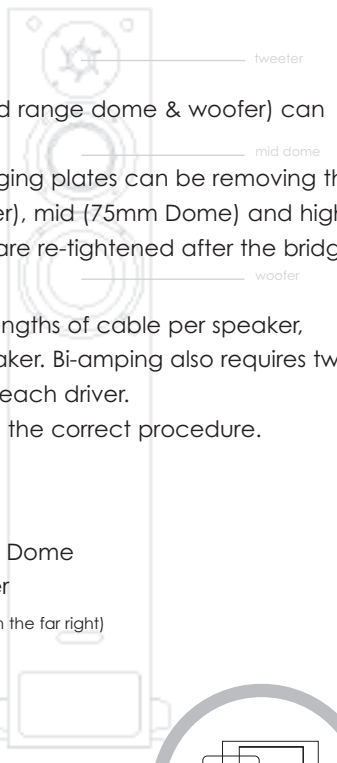


Diagram of back panel standard/single wiring

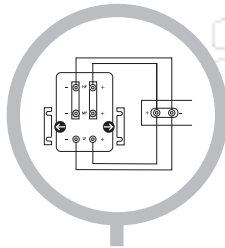


Diagram of back panel bi-wiring

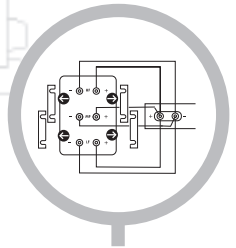


Diagram of back panel tri-wiring

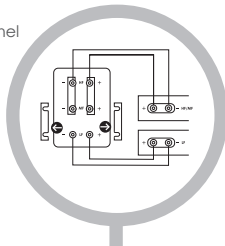


Diagram of back panel bi-amp wiring

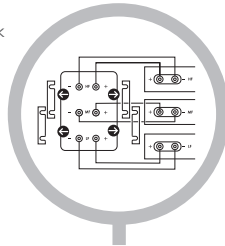


Diagram of back panel tri-amp wiring



Running or breaking in

When loudspeakers are new they will take time to reach their full potential.

It is often debated whether any solid-state equipment, such as CD players or transistor-based power amplifiers change with use, but the characteristics of mechanical devices such as loudspeakers do alter and improve their performance significantly after a short 'running in' period.

The science is simple; as the soft material surrounding the dome or woofer cone is flexed it will eventually reach a point where it has optimum compliancy allowing the drive unit to move more freely. This translates to greater accuracy and speed of attack in the bass region and the mid and high frequency produces a far more vivid audio picture. This short 'running in' period takes approximately 15 hours of normal use.

15+ hours to run-in



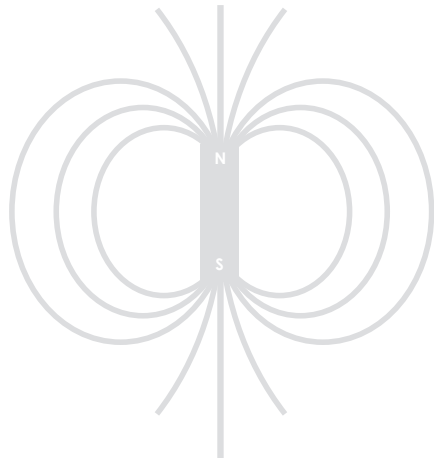
Magnetic Shielding

Loudspeakers contain magnets. The magnetic shielding option is ideal for those with CRT (tube style) televisions or when other sensitive items are close by.

Shielded *i* series models are denoted by the “M” suffix and can be positioned adjacent to magnetically sensitive devices without negative effect. We still recommend that valuable, magnetically sensitive items such as tapes are not left in close proximity for extended periods of time.

If your *i* series loudspeakers are not magnetically shielded, please ensure that they are positioned at least 1 metre away from items that could be damaged by stray magnetic fields. Conventional glass tube (CRT) televisions and computer monitors together with media such as floppy discs, cassettes and videotapes are particularly susceptible.

If you have any queries contact your dealer for further advice regarding positioning or upgrading to a shielded version.



Stands and Brackets

Consumer frame stands – for use with the large models in the i series

The 'designer' frame stand takes its influences from great architects works as Mies Van De Rohe & Marcel Breuer. Their work, as with the consumer frame stand, display clean simple lines which seem effortless to create, but in truth hide a large commitment to R&D. This form is easy on the eye, but also a stunning technical performer. Its delicately simple shape belies its integral strength which allows the loudspeaker to operate perfectly from a stable a rigid platform. The frame is 'tuned' and damped with a precise quantity of filling, making certain there is no colouration from unwanted resonance.

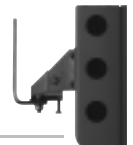
Adjustable M8 spikes or glides allow for leveling and give the structure an ideal coupling with the floor surface.



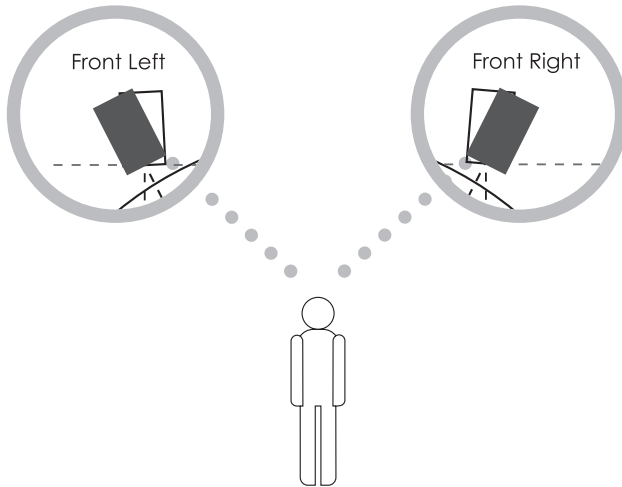
Tube 104™
(104cm/41")

The PMC Tube 104™ high-mass stand have been specifically designed and pre-tuned to guarantee maximum performance from the compact models in the *i* series.

Tailor made mounting brackets are available from your PMC dealer, they affix to the DB1i with four 6mm bolts on the rear panel. The DB1i wall brackets can be angled precisely and rigidly in both the horizontal and vertical planes again ensuring maximum performance.



For more information about PMC stands and brackets please contact your dealer or refer to our web site, www.pmc-speakers.com



Positioning

With their unique **ATL™** Advanced Transmission Line design, wide dispersion, ultra low distortion and smooth 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. We do encourage you to spend some time experimenting in your own room in order to achieve the very best results. Remembering that small changes in location can often influence system performance.

Room shape, size, construction and interior decoration vary immensely and therefore influence sound in different ways. The following guidelines are suggestions for the starting point to locate your new speakers. Fine-tuning of their positioning can start from here.

- Place the speaker so the front face is slightly forward of any large object that protrudes into the room - this could be a fireplace, bookcase or television for example.

Tip See stereo set up diagram

- Ensure that stereo pairs of loudspeakers are equidistant from the listening position.

Tip Some arrival time differences can be accommodated within modern home theatre receivers and processors (see the instruction manuals provided with such equipment for more on time alignment).

- It is best to position the front left/right pair (and centre channel loudspeaker if you have a surround system) at the same height, usually at ear-level when seated at the listening position.

Tip If any of the speakers are mounted above or below, then angle the speaker towards the listening position.

- The distance between your left/right speakers and the listening position should ideally create an equilateral triangle. As a general rule, the width of the audio picture will be narrow if the speakers are too close together. If they are too far apart the picture will be wide but there will be less central definition

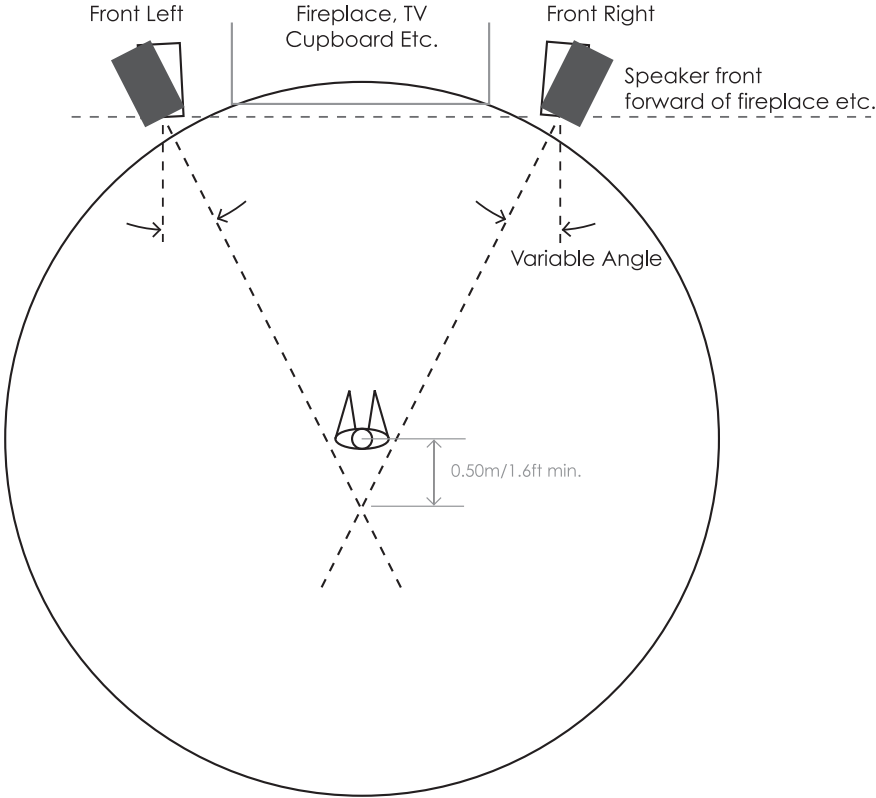
Tip Use a well recorded vocal track to judge the ideal spot.

- To further enhance the audio picture or soundstage the speakers can be angled/toed-in'. Start with the speakers angled so they will cross approximately 50cm (2ft) behind the listening position. (See stereo set-up diagram) Varying this angle will also subtly affect the vividness of the audio picture, so again experiment.

Tip A simple well recorded band with vivid vocals will help to achieve the best position



Stereo Set Up Diagram



Surround sound specific set up

5.1 Systems

The *i* series has been designed for perfect multi channel music or movie playback and the following diagrams display the ideal layout for the speakers.

Tip No doubt the constraints of room size and shape will vary the distances from the listener to the speakers. Therefore use of the time alignment function of your surround processor will be important.

Tip There are specific horizontal centre channels to match the main channels (i.e. DB1M-Ci, TB2M-Ci, CB6i, IB2-Ci, MB2-Ci, BB5-Ci) and the slim line wafer™ series of in and on wall models that will combine perfectly.

Tip The guidance given in the 'Stereo set up and 'Fine tuning for perfect bass' also apply to the set up of a surround system.

Note

7.1 Systems

In a system capable of full 7.1 Dolby® Digital Surround EX™, DTS® ES™, Blu-ray™ or HD DVD™ playback there will be two sets of surround speakers. The first pair should be positioned at 100° and the second set at 150°. (The centre is considered 0° while directly to the rear of the room is 180°). See Ideal 7.1 surround set up diagram.

Dolby® Digital Surround EX™ is a registered trademark of Dolby® Laboratories

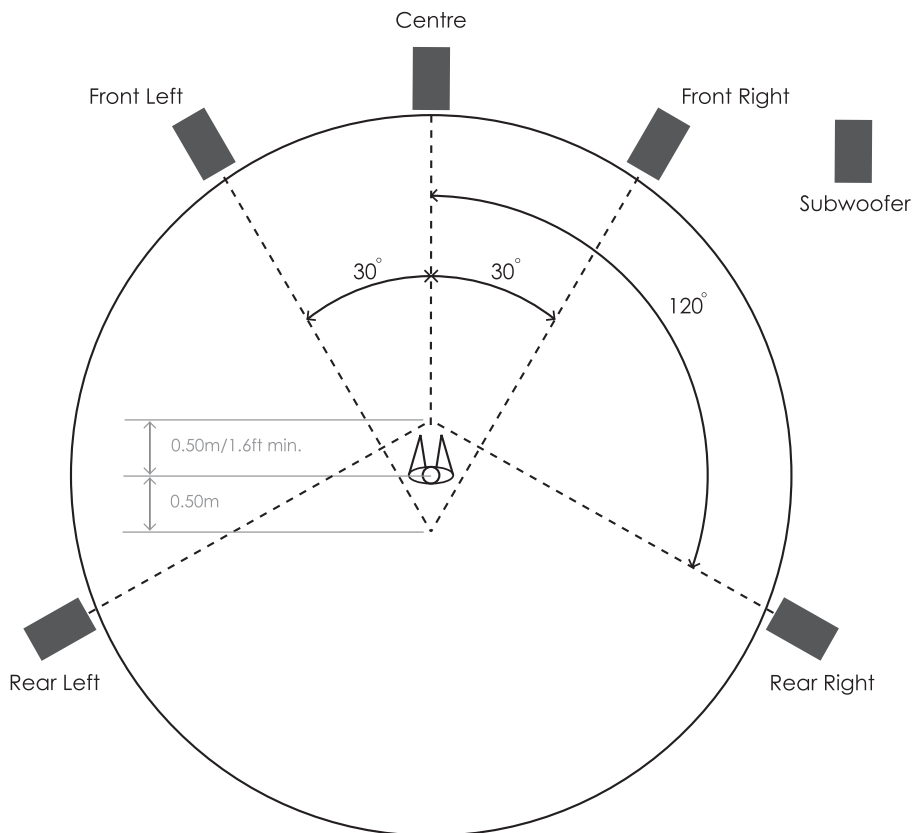
DTS® ES™ are registered trademark of DTS®, Inc

Blu-ray™ is a trademark of the Blu-ray™ Disc Association

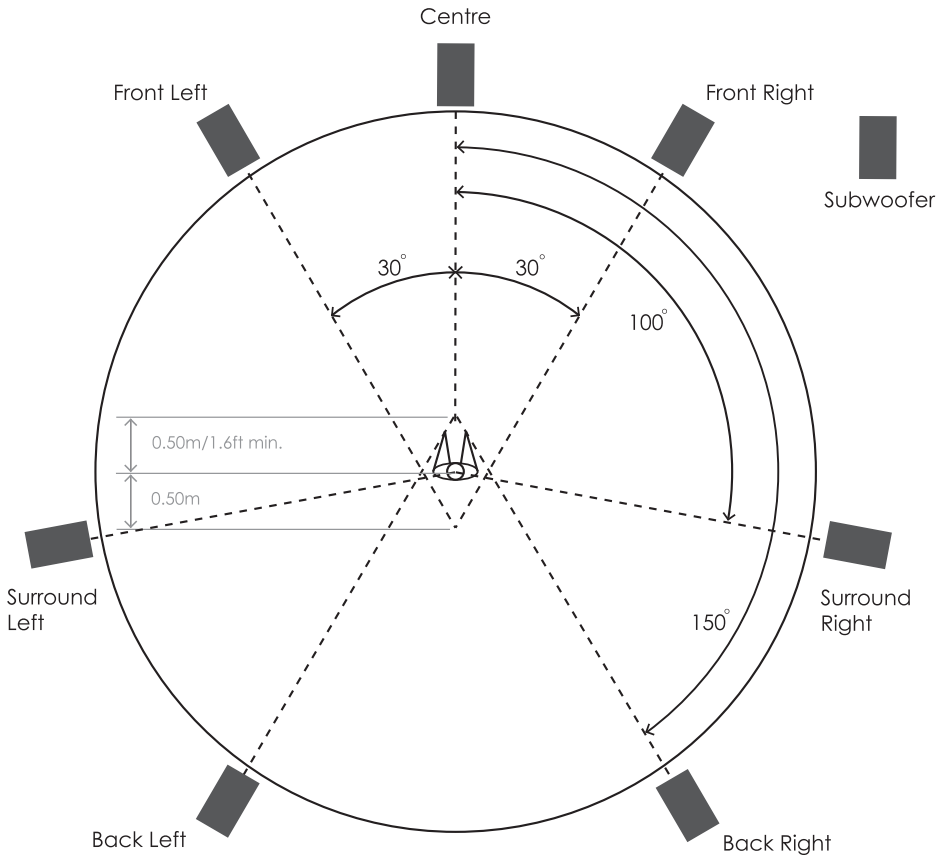
HD DVD™ is a trademark of the DVD Format/Logo Licensing Corporation (DVD FLLC)



Ideal 5.1 surround set up



Ideal 7.1 surround sound set up



Fine tuning for perfect bass

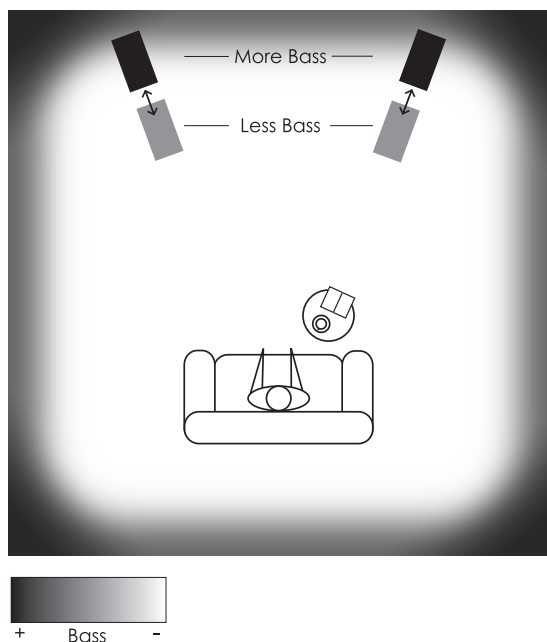
Solid boundaries (i.e. walls, ceilings and floors) reflect sound and help to contain it within a room. They make a speaker sound louder the closer they are from them, especially in the low frequency (bass) region.

This diagram shows the areas, that if a speaker is positioned, will either increase or decrease bass - The darker the shading the more bass will be heard. Placing the speakers in the corners will generate the most bass, and in the centre of the room, the least bass.

Tip Position your speakers so the bass is clear and defined on all styles of music - remembering that more bass isn't necessarily better.

Tip Putting surround speakers and subwoofers near walls, ceilings and floors will also increase bass.

Fine tuning for perfect bass



Movie music produced with PMC

It is critical for the composers and engineers of multi million dollar blockbusters to get it right'. 'They do it with speakers from the Emmy® award winners - PMC'

Identity

Independence Day

Hidalgo

Atlantis – The Lost Empire

Signs

The Emperor's Club

Unbreakable

Dreamcatcher

HitchHikers Guide to the Galaxy

Hulk

The Fugitive

French Kiss

My Best Friends Wedding

One Fine Day

Devil's Advocate

Dante's Peak

The Sixth Sense

Dinosaur

Elf

The Passion of the Christ

Cats & Dogs

Die Another Day

The Guru

Planet of the Apes

The Tuxedo

Vertical Limit

Rollerball

Finding Nemo

Chicago

Freaky Friday

2 Fast 2 Furious

Lara Croft Tomb Raider: The Cradle of Life

Pirates of the Caribbean 3

Spider Man 3

Terminator 3

Big Fish

American Beauty

Love Actually

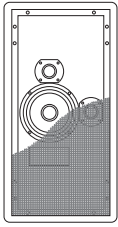
Ultimate speaker
for home 8



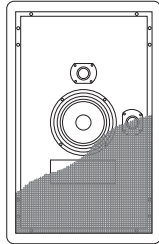
Suggested Associate Loudspeakers

PMC manufacture a large selection of loudspeakers and sub-woofers to meet a range of budgets and uses, from compact, audiophile designs to large studio monitors.

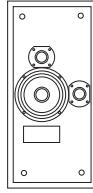
The following products make ideal companions to create an unbeatable surround system or for supreme audio throughout the home.



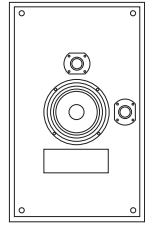
wafer1-iv™
(Two Way in-wall monitor)



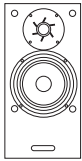
wafer 2-iv™
(Larger Two way in-wall monitor)



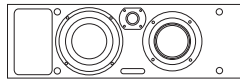
wafer 1™
(Two way on-wall monitor)



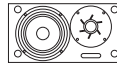
wafer 2™
(Larger, Two way on-wall monitor)



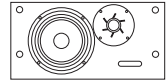
TB2i
(Larger, Two way monitor)



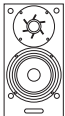
CB6i
(Three way magnetically screened horizontal centre)



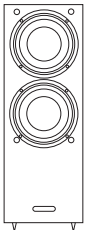
DB1M-Ci
(Magnetically screened horizontal centre channel)



TB2M-Ci
(Larger, magnetically screened horizontal centre)



DB1i
(Compact two way monitor)



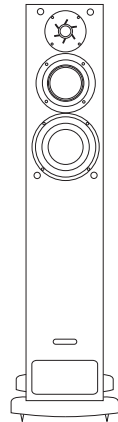
TLE1
(Active Subwoofer)



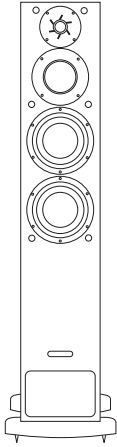
GB1i
(Compact, Two Way Floorstander)



FB1i
(Two Way, Floorstander)

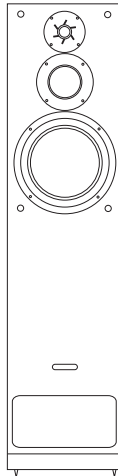


OB1i
(Larger, Three Way Floorstander)



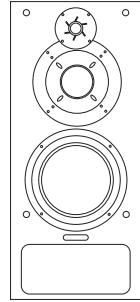
PB1i

(Larger Three way floorstander with twin bass drivers)



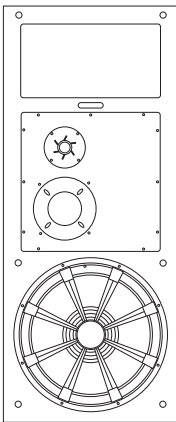
EB1i

(Large Three way floorstander with a PMC 10" Piston bass driver)



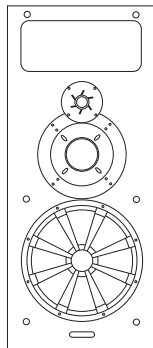
IB2i

(Three way stand mount with a PMC 75mm mid and a PMC 10" Piston bass driver)



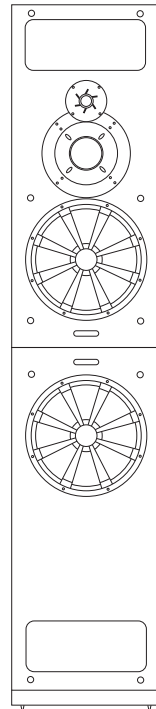
BB5i

(Three way stand mount with a PMC 75mm mid and a 15" Radial™ bass driver)



MB2i

(Three way stand mount with a PMC 75mm mid and a 12" Radial™ bass driver)

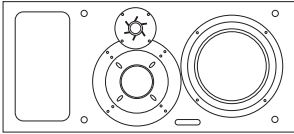


MB2 XBDi

(Large Three way floorstander with a PMC 75mm mid & twin 12" Radial™ bass drivers)

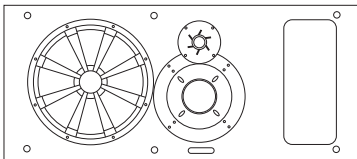


Suggested Associate Loudspeakers (cont.)



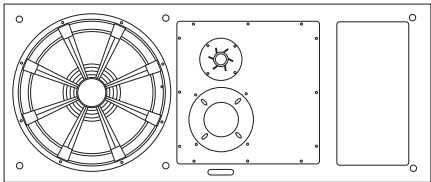
IB2-Ci

(Three way horizontal centre with a PMC 75mm mid and a PMC 10" Pistonbass driver)



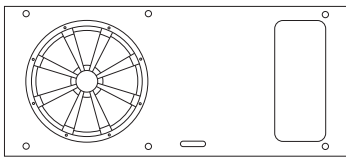
MB2-Ci

(Three way horizontal centre channel with a PMC 75mm mid and a 12" Radial™ bass driver)



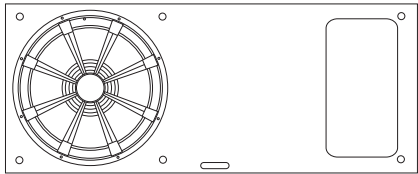
BB5-Ci.

(Three way horizontal centre channel with a PMC 75mm mid and a 15" Radial™ bass driver)



XB2

(Passive subwoofer with a 12" Radial™ bass driver for MB2i based surround system)



XB3

(Passive subwoofer with a 15" Radial™ bass driver for a BB5i based surround system)

Service

We are confident your *i* series loudspeakers will afford many years of trouble-free listening of the highest order. But in the unlikely event that one or more requires repair, our unique manufacturing procedure, wherein the precise value of each component together with the response of the system as a whole is recorded, will ensure that any replaced parts will exactly match the performance of those originally included within each individual loudspeaker.

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

Alternatively you can view our FAQ's (Frequently Asked Questions) and servicing section on our website. (Click on the contacts section and select FAQ).

Important Note: Please do not return any products to PMC directly without first contacting our support department and obtaining a Return Authorisation Number.



Specifications

Product	DB1i	TB2i	GB1i
Freq response	50Hz-25kHz	40Hz-25kHz	29Hz-25kHz
Sensitivity	87dB 1w 1m	90dB 1w 1m	87dB 1w 1m
Effective ATL™ (Advanced Transmission Line) Length	1.5m 5ft	1.5m 5ft	2.4m 7.8ft
Impedance	8 Ohms	8 Ohms	8 Ohms
Drive Units	LF PMC Doped 5½" 140mm cast Alloy Chassis HF 27mm SOLONEX™ Soft dome Ferro-fluid cooled	LF PMC Doped 6½" 170mm cast Alloy Chassis HF 27mm SOLONEX™ Soft dome Ferro-fluid cooled	LF PMC Doped 5½" 140mm cast Alloy Chassis HF 27mm SOLONEX™ Soft dome Ferro-fluid cooled
Crossover Freq	2kHz	2kHz	2kHz
Input connectors	2 pairs 4mm sockets (Bi-Wire or Bi-Amp)	2 pairs 4mm sockets (Bi-Wire or Bi-Amp)	2 pairs 4mm sockets (Bi-Wire or Bi-Amp)
Dimensions	H 290mm 11.4" W 155mm 6.1" D 234mm 9.21" + 6mm Grille	H 400mm 15.75" W 200mm 7.87" D 300mm 11.81" + 6mm Grille	H 870mm 34.25" + Plinth W 155mm 6.1" + Plinth D 234mm 9.21" + Plinth
	DB1M-Ci (Centre channel) H 155mm 6.1" W 290mm 11.4" D 234mm 9.21" + 6mm Grille	TB2M-Ci (Centre channel) H 200mm 7.87" W 400mm 15.75" D 300mm 11.81" + 6mm Grille	
Weight	4.5kg 9.9lbs	8.5kg 18.70lbs	10.5kg 23.10lbs
Options	Tube 104™ Stands DB1i Wall Bracket Centre channel DB1M-Ci 'M' Magnetic shielding	Tube 104™ Stands Centre channel TB2M-Ci 'M' Magnetic shielding Activation with Bryston Powerpac™ 60	Centre channel DB1M-Ci 'M' Magnetic shielding

Product	FB1i	OB1i	CB6i	TLE1
Freq response	28Hz-25kHz	28Hz-25kHz	35Hz-25kHz	22Hz-200Hz
Sensitivity	90dB 1w 1m	87dB 1w 1m	87dB 1w 1m	-
Effective ATL™ (Advanced Transmission Line) Length	3m 9.8ft	3.3m 11ft	1.9m 6.2ft	3m 9.8ft
Impedance	8 Ohms	6 Ohms	6 Ohms	-
Drive Units	LF PMC Doped 6½" 170mm cast Alloy Chassis HF 27mm SOLONEX™ Soft dome Ferro-fluid cooled	LF PMC Doped 6½" 170mm cast Alloy Chassis HF 27mm SOLONEX™ Soft dome Ferro-fluid cooled MF 75mm Soft dome	LF PMC Doped 6½" 170mm cast Alloy Chassis HF 27mm SOLONEX™ Soft dome Ferro-fluid cooled MF 75mm Soft dome	LF 2 x PMC Doped 6½" 170mm cast Alloy Chassis
Crossover Freq	2kHz	380Hz & 3.8kHz -24dB/Oct	380Hz & 3.8kHz -24dB/Oct	Bryston designed amplifier Section 150W RMS Distortion <0.0095 from 20Hz - 20kHz full o/p Power bandwidth 1Hz - 100kHz Signal to noise 90dB ref. 0dBu Power consumption 160W User controls Roll off - On/Off Roll off Freq variable - 40Hz-155Hz @ 12dB/Oct Overall level Balanced/Unbalanced selection Variable phase 0-360°
Input connectors	2 pairs 4mm sockets (Bi-Wire or Bi-Amp)	3 pairs 4mm sockets (Tri-Wire or Tri-Amp)	3 pairs 4mm sockets (Tri-Wire or Tri-Amp)	2 x XLR, input Imp 20k Ohms 2 x RCA Phono imp 20k Ohms
Dimensions	H 1000mm 39.37" + Plinth W 200mm 7.87" + Plinth D 300mm 11.81" + Plinth	H 1025mm 40.4" + Plinth W 200mm 7.90" + Plinth D 325mm 12.8" + Plinth	H 186mm 7.32" W 600mm 23.62" D 300mm 11.81" + Grille	H 550mm 21.6" W 200mm 7.80" D 545mm 21.5" + Grille
Weight	18.0kg 39.60lbs	21.5kg 47.30lbs	11.5kg 25.3lbs	17.5kg 38.5lbs
Options	Centre channel TB2M-Ci Activation with Bryston Powerpac™ 60 'M' Magnetic shielding	Centre channel CB6i Activation with Bryston Powerpac™ 120 'M' Magnetic shielding	Centre channel for PB1i, OB1i or EB1i based surround systems Magnetic shielding as standard	Sub for .1 channel within a DB1i, TB2i, FB1i, OB1i, PB1i, CB6i based surround systems



Specifications

Product	PB1i	EB1i	IB2i
Freq response	28Hz-25kHz	19Hz-25kHz	25Hz-25kHz
Sensitivity	87dB 1w 1m	89dB 1w 1m	89dB 1w 1m
Effective ATL™ (Advanced Transmission Line) Length	3.5m 11.5 ft	4m 13ft	2.4m 8ft
Impedance	6 Ohms	4 Ohms	4 Ohms
Drive Units	LF 2 x PMC Doped 6½" 170mm long Throw with cast Alloy chassis HF 27mm SOLOEX™ Soft dome MF 75mm Soft dome	LF PMC 10" 250mm Carbon fibre & Nomex™ Piston HF 27mm SOLOEX™ Soft dome ferro-fluid cooled MF 75mm Soft dome	LF PMC 10" 250mm Carbon Fibre & Nomex™ Piston Driver HF 27mm SOLOEX™ Soft dome MF PMC 75mm Soft dome
Crossover Freq	380Hz & 3.8kHz - 24dB/Oct	380Hz & 3.8kHz - 24dB/Oct	380Hz & 3.8kHz - 24dB/Oct
Input connectors	3 pairs 4mm sockets (Tri-wire or Tri-Amp)	3 pairs 4mm sockets (Tri-Wire or Tri-Amp)	3 pairs 4mm sockets (Tri-Wire or Tri-Amp)
Dimensions	H 1084mm 42.5" + Plinth W 204mm 8" + Plinth D 401mm 15.8" + Plinth	H 1200mm 47.3" + Plinth W 294mm 11.8" D 465mm 18.3" + 12mm Grille	H 740mm 29.1" + 14" Stand W 330mm 13" D 485mm 19.0" + 12mm Grille
Weight	26kg 57lbs	48kg 105.6lbs	41kg 90.2lbs
Options	Centre channel CB6i	Centre channel CB6i SB100 sub woofer "M" Magnetic shielding	14" Frame stands Centre Channel IB2i-C SB100 Sub woofer

Product	MB2i	MB2XBDi	BB5i
Freq response	20Hz-25kHz	20Hz-25kHz	17Hz-25kHz
Sensitivity	91dB 1w 1m	91dB 1w 1m	91dB 1w 1m
Effective ATL™ (Advanced Transmission Line) Length	3m 10 ft	2 x 3m 2 x 10 ft	4m 13 ft
Impedance	4 Ohms	4 Ohms	4 Ohms
Drive Units	LF 12" 310mm Radial™ Driver HF 27mm SOLONEX™ Soft dome MF PMC 75mm Soft dome	LF 2 x 12" 310mm Radial™ Drivers HF 27mm SOLONEX™ Soft dome MF PMC 75mm Soft dome	LF 15" 380mm Radial™ Driver HF 27mm SONOLEX™ Soft dome MF PMC 75mm Soft dome
Crossover Freq	380Hz & 3.8kHz -24dB/Oct	380Hz & 3.8kHz – 24dB/Oct	380Hz & 3.8kHz – 24dB/Oct
Input connectors	3 pairs 4mm sockets (Tri-Wire or Tri-Amp)	3 pairs 4mm sockets (Tri-Wire or Tri-Amp)	3 pairs 4mm sockets (Tri-Wire or Tri-Amp)
Dimensions	H 870 mm 34.25" + 14" Stand W 380 mm 14.96" D 555 mm 21.85" + 15mm Grille	H 1740mm 68.50" + Plinth W 380 mm 14.96" D 535 mm 21.06" Cabinet + 15mm Grille (+ 150mm crossover housing)	H 1040 mm 40.94" + 20" Stands W 432 mm 17.01" D 790 mm 31.10" + 15mm Grille
Weight	49kg 108lbs	98kg 215.6lbs	73kg 160lbs
Options	14" Frame stands Centre Channel MB2-Ci XB2 Sub woofer	Centre Channel MB2-Ci XB2 Sub woofer	20" Frame stands Centre Channel BB5-Ci XB3 Sub woofer



WARRANTY ON-LINE

SIMPLY ACTIVATE YOUR 5 YEAR WARRANTY ON-LINE

GO TO WWW.PMC-SPEAKERS.COM AND CLICK ON REGISTER PRODUCT



IF YOU DO NOT HAVE ACCESS TO THE INTERNET FILL IN THE WARRANTY FORM FOUND ON PAGES 35 & 36 AND **POST IT TO US.**

WARRANTY CERTIFICATE - Part 1

Our Copy

Please complete and return this section - or simply complete the on-line registration at www.pmc-speakers.com and click on register product.

Product

Serial Nos

Date of purchase

Purchased from

Your Name

Your email address

Your address

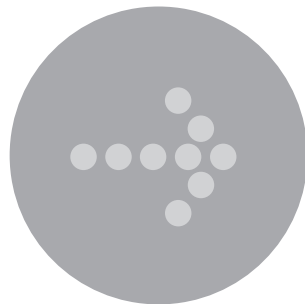
Town

County

Postcode/Zip code

PMC LIMITED 43-45 Crawley Green Road Luton LU2 0AA UK T +44 (0) 870 4441044 F +44 (0) 870 4441045

Help us improve
our products
see over



cut here



Series User Guide

35

Help us Improve - Your Comments

We value all our client's comments. Please take a moment to help us improve:

If there is one thing we should change, what would it be?

Please tell us how your new PMC's perform. Your comments may appear on the customer quotes section for this product on our site. N.B. Don't worry the comments will be anonymous; your personal details will not appear.

What magazines do you read?

HiFi

- HiFi Choice
- What HiFi
- Stereophile
- HiFi World
- HiFi Critic
- HiFi News
- HiFi+
- Gramophone Box
- Other

Pro

- Future Music
- Sound on Sound
- Audio Media
- Pro Sound News
- Resolution
- Audio Fanzine
- IBE
- Line Up
- Other

Lifes style

- T3
- Stuff
- GQ
- Boys Toys
- FHM
- Shortlist
- Maxim
- Esquire
- Other

Online

- mixonline.com
- gearslutz.com
- avreview.co.uk
- avforums.com
- HiFi WigWam.com
- What HiFi.com
- Other

We hope you enjoy your latest purchase as much as we enjoyed designing and building them - Thank you.



WARRANTY CERTIFICATE - Part 2

Your Copy to KEEP

Please complete and RETAIN THIS PAGE for your own records

Type of product

Serial No/Nos

Date of purchase

Dealers name

Dealers address

Town

County

Postcode

Dealers Telephone No

Servicing and warranty issues – Please read the following carefully.

Non UK clients

Contact your local dealer/distributor for the details of warranty repairs - see www.pmc-speakers.com and click on distribution for their details.

UK clients

In the unlikely event of a fault occurring with your PMC product firstly contact your dealer where the product was purchased.

Do not return a product to PMC Ltd without firstly contacting our technical dept. If the product must be returned for service you will be issued with a Returns Authorisation number.

If a product is returned to PMC Ltd and subsequently is found to have no fault or a non-warranty fault it will be subject to a minimum of £50.00 plus the carriage for its return.

Proof of purchase is required for any claim covered by this warranty.

This product is warranted for a period of 5 years from the date of purchase or upon receipt of 'our copy' overleaf or on-line registration within ten days of purchase or receipt.

The warranty covers defects due to faulty materials or workmanship but does not cover defects arising from accidental damage, misuse or wear and tear. The warranty is void if any attempt has been made by persons not authorised by PMC Ltd to dismantle, repair or modify any part of the product.

Ensure that it is properly packaged. This warranty does not cover damage in transit.

Note that the cost of the carriage to PMC is not covered by the warranty.

Returned products that are defective that are covered by warranty will be repaired or replaced at the discretion of PMC Ltd.

Allow minimum of 14 working days for return of warranty repairs.

This warranty does not effect your consumer rights under statutory law. This warranty certificate is only valid in the United Kingdom.

PMC LIMITED 43-45 Crawley Green Road Luton LU2 0AA UK T +44 (0) 870 4441044 F +44 (0) 870 4441045



Just a few of the albums produced using PMC.

Is your favourite album here?

See a more extensive list of recordings with details of the engineer and studio at www.pmc-speakers.com – then click on Hit List. There is even a link from the album to Amazon.com

- Amy Winehouse** - Back to Black
- ABBA** - Gold
- Annie Lennox** - Medusa
- Basement Jaxx** - Oh My Gosh
- The Beatles** - Love album (5.1)
- Bjork** - Verspertine
- Bob Marley** - Legend (Remastered)
- Catatonia** - Paper, Scissors, Stone
- Coldplay** - In My Place
- David Bowie** - Low (Remastered)
- Depeche Mode** - Construction Time Again
- Deep Purple** - Machine Head
- Dido** - Thank You
- Doves** - The Last Broadcast
- Dzihan & Kamien** - Gran Reserva
- Eleanor McEvoy** - Blue Dandelion Special Edition
- Elton John** - The Back Catalogue (Remastered)
- Elvis Costello** - Get Happy
- Faithless** - Forever Faithless
- Eric Clapton** - The Rainbow Concert
- Eurythmics** - Peace (Remastered)
- Frankie Goes to Hollywood** - Rage Hard
- George Michael** - Ladies and Gentlemen
- Genesis** - Back catalogue (Remastered)
- Gorillaz** - Demon Days
- Groove Armada** - The Best Of
- Iggy Pop** - Lust for Life
- Iron Maiden** - Edward The Great
- Jamiroquai** - Travelling Without Moving
- Jethro Tull** - Living With The Past' & Christmas
- Joy Division** - Substance
- Kate Bush** - The Dreaming / Lionheart
- Katie Melua** - Spiders web
- Keane** - Under the Iron Sea
- Led Zeppelin** - Led Zeppelin Live
- Madonna** - Music
- Lily Allen** - Alright Still
- Massive Attack** - Mezzanine
- Mika** - Relax (take it easy)
- Moloko** - Sing It Back
- Motorhead** - Bomber
- Mutya Buena** - Real Girl
- Nitin Sawhney** - Human
- Peter Gabriel** - Entire Back Catalogue
- Paul Weller** - Illumination
- Pet Shop Boys** - Pop Art
- Phil Collins** - Serious Hits Live
- Portishead** - Dummy
- Primal Scream** - Extrmnr
- Red Hot Chili Peppers** - Greatest Hits and Videos
- Robbie Williams** - I've Been Expecting You
- Seal** - IV
- Simply Red** - Sunrise
- Rolling Stones** - No Security
- Sex Pistols** - Original Spunk
- Status Quo** - Messages From The Status Quo
- Super Furry Animals** - Rings Around the World
- Texas** - Greatest Hits
- the clash** - London Calling
- Take That** - The Ultimate Tour
- The Cure** - Greatest Hits
- The Divine Comedy** - A Secret History
- The Feeling** - Love It When You Call
- The Kinks** - Ultimate Collection
- The Cranberries** - Everybody Else is Doing It So Why Can't We? (Remastered)
- The Pretenders** - Greatest Hits
- The Small Faces** - Ultimate Collection
- The Smiths** - The Queen is Dead
- The Verve** - Urban Hymns
- The Who** - A Quick One (Remastered)
- Thom Yorke** - The Eraser
- Tindersticks** - Donkeys 92-97
- Tori Amos** - Scarletts Walk
- Underworld** - Anthology
- Van Morrison** - Brown Eyed Girl (Remastered)
- UB40** - Home Grown in Holland
- Travis** - love will come through
- White Stripes** - Under Blackpool Lights
- Will Young** - Friday's Child
- Wolfgang Amadeus Mozart** - Divertimenti K.136-138 / Serenata Notturna
- Wolfmother** - Dimension single (UK)
- XTC** - Oranges & Lemons (Remastered)



Inspection Certificate

Every component that appears in a PMC product is measured, tested, matched and recorded by hand. This analysis also applies to the finalevery product we make to ensure you receive an identical replica of the reference model.

Crossover matching

Enclosure finish

Assembly & Wiring

Driver Installation

Enclosure seal

Level - Frequency

Impedance - frequency

Pair matching

Listening test 1

Listening test 2

Final inspection

Accessory pack matching

User Guide

All above checked by

Date





The reference of professionals



Your guide to the ultimate audio experience

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web www.pmc-speakers.com