

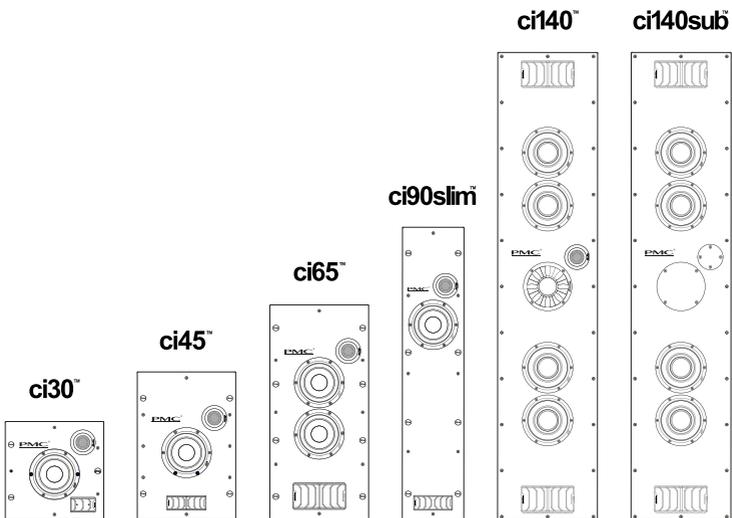
PMC[®]

ci
series USER GUIDE

- **ci140**[™]
- **ci140sub**[™]
- **ci65**[™]
- **ci90slim**[™]
- **ci45**[™]
- **ci30**[™]

No.

Hand built by



IMPORTANT

Warranty

Please take a few moments to complete the warranty card at the back of this booklet or register at www.pmc-speakers.com (click on 'register a product'). This records the purchase of your loudspeakers and provides you, the customer an opportunity to make suggestions and provide feedback directly to PMC. To gain your extended warranty your product must be registered with us within 10 days of purchase.



Register now for your
UNRIVALLED
five year warranty

Product Support

For product support, accessories or servicing advice, please contact a PMC authorised retailer – See www.pmc-speakers.com.

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www.pmc-speakers.com

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Ref No: 1167

PMC Stock Code: 17061





WHAT DRIVES US

At PMC, we believe that music is what really matters; it's what moves us and gives us the passion for what we do.

It's relatively easy to create loudspeakers that colour or flatter music — but that has never been our way. The quest for sonic neutrality and transparency has always been PMC's obsession, using advanced engineering to reproduce music as vividly and faithfully as possible. Our designs are involved in every stage of music-making, from the recording studio to listening at home. From this experience, we know exactly how to present music as transparently as possible, just as the artist intended.

As we like to say, loudspeakers are where science meets art — we take care of the science so you can connect with the art.



Peter Thomas, Owner &
Oliver Thomas, Chief Technical Officer

CONGRATULATIONS – YOU HAVE JOINED THE ELITE

Stevie Wonder

You have joined the elite. You're a PMC user.

UNIVERSAL MUSIC GROUP

ESPN

Our loudspeakers can be found in all the world's best listening environments, from audiophile living rooms to internationally renowned recording, mastering, broadcast and post-production studios. Our Emmy-award-winning systems are used to create everything from smash Hollywood soundtracks to hit albums by artists including Coldplay, Kraftwerk, Elton John and Adele, as well as audiophile jazz and classical recordings on Deutsche Grammophon, Decca, Philips and Harmonia Mundi.

Thomas Newman

BBC

Tony Bennett

Apple

EMI

SONY

Coldplay

elbow

Afrojack

Kraftwerk

Royal College of Music

Warner Music

**PINEWOOD
STUDIOS**

Capitol Studios

JOHN NEWMAN

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GENERAL USER 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 The cabinet and baffle should only be cleaned with a dry, lint-free, cloth. Do not use solvents, abrasives, waxes or liquids as they may be detrimental to the finish.
- 5 Do not install near any heat sources such as radiators, ovens or other equipment that produce excessive heat.
- 6 Unplug this product from both source and power during electrical storms, or when unused for extended periods of time.
- 7 Packing material can pose danger to the young and vulnerable. Ensure these items are kept or disposed of safely.
- 8 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.
- 9 Do not attempt to service the equipment. There are no user serviceable parts inside. Please refer all servicing to PMC authorised personnel.
- 10 Servicing is required when the apparatus is damaged, exposed to moisture, or exhibits a distinct or sudden change of operation or audio performance.
- 11 PMC has made efforts to provide accurate installation information and good quality fixings. 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.
- 12 **ci** series loudspeakers contain very powerful magnets and therefore may have a detrimental effect if left in close proximity to magnetically sensitive items.
- 13 Do not use the **Laminair** vent as a grip to lift the loudspeaker as this may result in damage.

IMPORTANT SAFETY INSTRUCTIONS

Caution

Do not attempt to install this product until all instructions and warnings have been read and properly understood. Please keep these instructions for future reference. It is the installer's responsibility to ensure that all documentation is given to the end user and read fully before operation. PMC and its representatives are not liable or responsible for damage or injury caused by improper installation.

General

PMC recommend a certified installer or other suitably qualified person install this product. Great care must always be taken during installation as most AV equipment is of a fragile nature, possibly heavy and easily damaged if dropped. If you do not fully understand the instructions or are not sure how to install this product safely, then please consult a professional for advice and/or to install this product for you. Failure to mount this product correctly may cause serious injury or death both during installation and at any time thereafter.

Product location

Please pay careful attention to where this product is located. Some surfaces are not suitable for installation due to their structural integrity or they conceal utilities such as pipework, cabling and other obstructions. Only attempt to mount to surfaces that are safe and mechanically sound.

Fixing hardware

It is important that the installer confirms that the fixings supplied are appropriate for the surface and structure that the product will be placed. If in doubt seek professional advice regarding the appropriate fixing hardware.

Hazard limitation

Some products have moving parts and the potential to cause injury through the crushing or trapping of fingers or other body parts. It is recommended that periodic inspections of the product and its fixing points are made as frequently as possible to ensure that safety is maintained. If in doubt consult a professional installer or other suitably qualified person.

Appropriate product pairing

The **ci** series wall brackets are designed for use with PMC's **ci** range only. They should not be used with any other product. If it is inappropriate and/or the weight is exceeded for which the bracket was designed, it could result in serious personal injury or damage to the equipment.

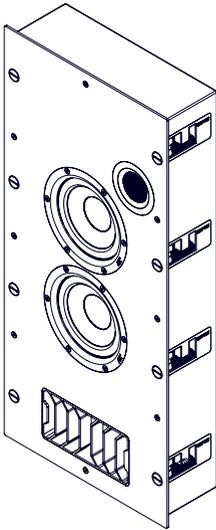
Risks to the young & vulnerable

Risk of death or serious injury may occur when children climb or tamper with audio equipment or its mounting hardware. This product may contain nuts and other small items that could cause a choking hazard. It is not PMC's responsible to ensure these items, including packaging are out of reach of the young or vulnerable, pre and post installation.

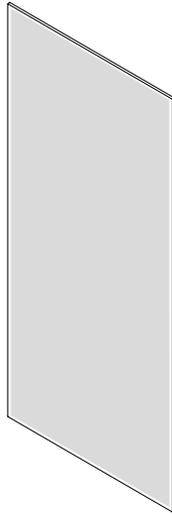
The Professional Monitor Company Limited (PMC) intend to make this and all documentation as accurate as possible. However, PMC makes no claim that the information contained herein covers all details, conditions or variations, nor does it provide for every possible contingency in connection with the installation or use of this product. The information contained in this document is subject to change without prior notice or obligation of any kind. PMC makes no representation of warranty, expressed or implied, regarding the information contained herein. PMC assumes no responsibility for accuracy, completeness or sufficiency of the information contained in this document.



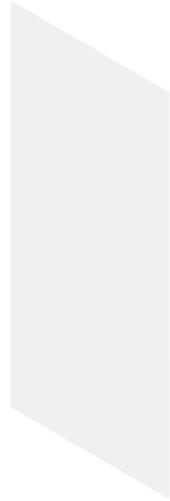
WHAT'S IN THE BOX



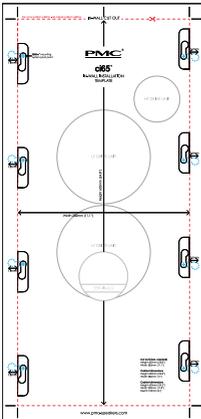
(x1) Speaker



(x1) Grille



(x1) Scrim



(x1) Installation template



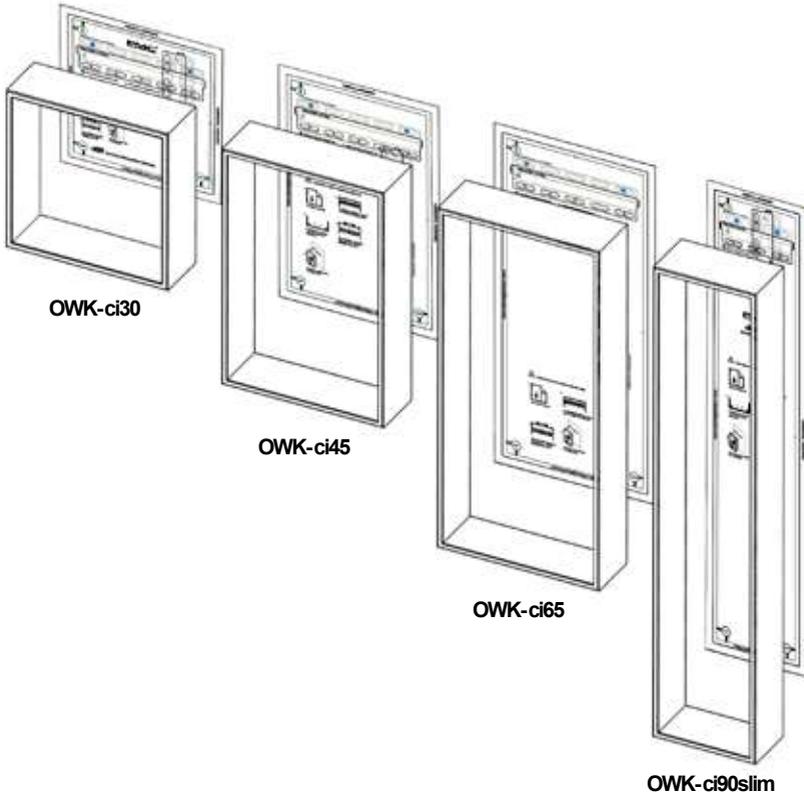
This user guide

All models apart from the **ci140** and **ci140sub** may be mounted in-wall, thanks to their **Qikfire™** fittings, and bezel-less grille.

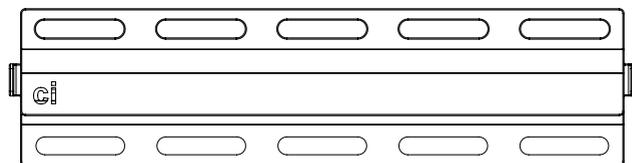
ACCESSORIES

On-wall kit (OWK) – cabinet sleeves are available in white or black

To create a stylish yet discrete on-wall solution then select one of the optional black or white cabinet sleeves to convert the design. The **ci** series 2 piece wall bracket is included with every sleeve.



ci series wall brackets and 2 self-adhesive feet are included in the **OWK**. The **OWK** is available as a standalone accessory.



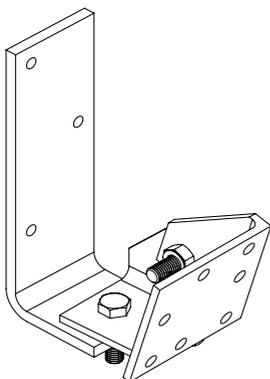
Dedicated ci series wall bracket



2 x Self-adhesive feet

BRKT – wall bracket

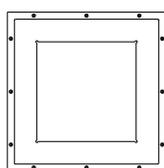
The **BRKT** allows movement in both vertical and horizontal planes allowing the cabinets to be angled. A 'lock off' bolt guarantees permanent positioning avoiding a 'droop' scenario over time. This bracket is sold as an optional extra for **ci30**, **ci45** & **ci65** model.



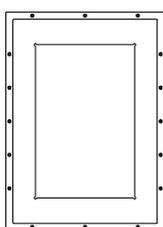
ACCESSORIES (CONT.)

Pre-mount kit (PMK)

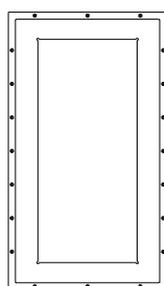
PMC pre-mount kit (**PMK**) is the ideal guide for installation of the **ci** range when used in in-wall/ceiling. The pre mount template can be screwed to studs or joists in the desired location with the speaker cable secured to a supplied eyelet on the rear. After plastering and decoration it provides the perfect sized aperture for the loudspeaker to fitted.



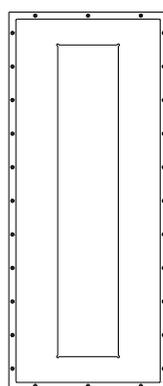
PMK-ci30



PMK-ci45



PMK-ci65



PMK-ci90slim

Black grilles

All models are supplied with white grilles. Black grilles are available as an optional extra.



ci30 grille



ci45 grille



ci65 grille

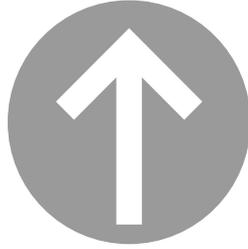


ci90slim grille



ci140 / ci140sub grille

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 or returned for servicing.

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.

DEEPER, CLEARER, CLEANER BASS

The source of PMC's legendary natural, realistic sound is the Advanced Transmission Line (**ATL™**) bass-loading technology, professionally proven all around the world.



ATL™ uses energy generated by the bass unit in a much more intelligent, efficient way than ported or sealed box designs. In **ATL™** loudspeakers, the highly braced cabinet is lined with specific acoustic materials that absorb all but the very lowest frequencies. These exit from a front vent extending the low frequency, all of which can be clearly heard at any volume level, from low to high.

In addition, the low end is clean and clear so it doesn't mask the rest of the music. Vocals are beautifully projected and ultra-vivid.

THE UNIQUE BENEFITS

- More detailed, more natural
- Full, rich sound at any volume level
- Deeper bass from a smaller cabinet

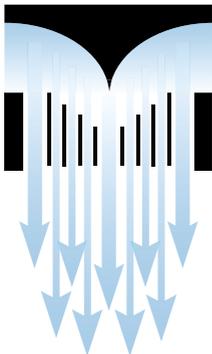
ATL™



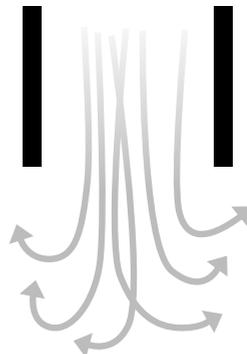
PMC's powerful long-throw drive units produce deep, powerful bass and in turn vast movements of air from the vent.

Each vent features PMC's **Laminair™** technology, which produces a smooth controlled air flow resulting in a faster, higher definition bass with accurate timing and dynamics without unwanted air noise.

Streamlined, efficient airflow with **Laminair™**



Turbulent airflow at the port without **Laminair™**



CONNECTIONS



Caution

To avoid potential damage, please ensure that your power amplifier(s) or receiver is turned off before connecting or disconnecting your loudspeakers.

Cable & connectors

When selecting cables for use with your ci series 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 ci 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.



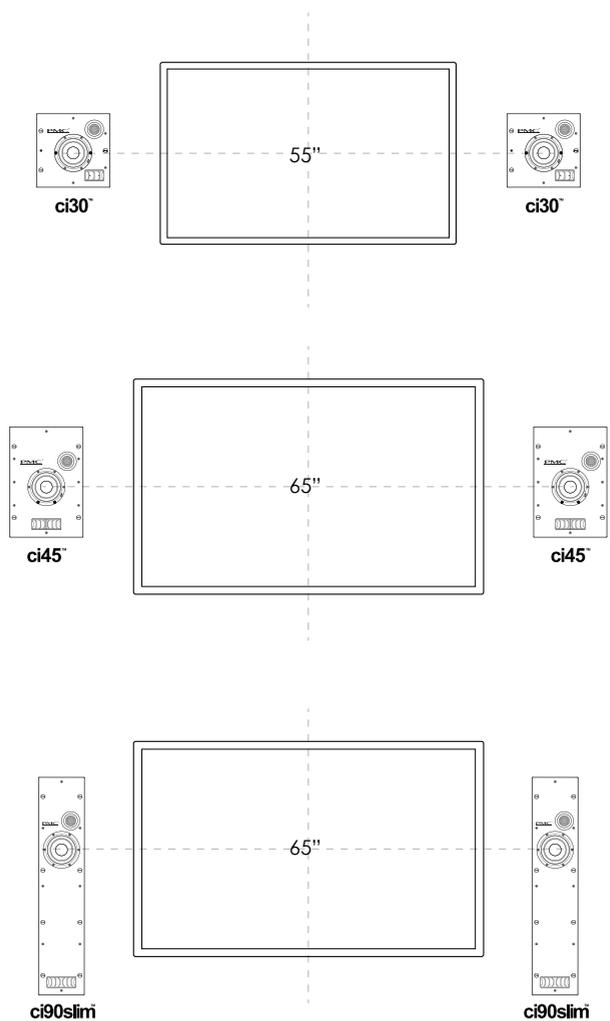
Do not use tools to tighten the binding posts Polarity + & -

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 ci series terminals are colour-coded to aid in their identification: positive terminals are red, negative terminals are black.

Plugging them in

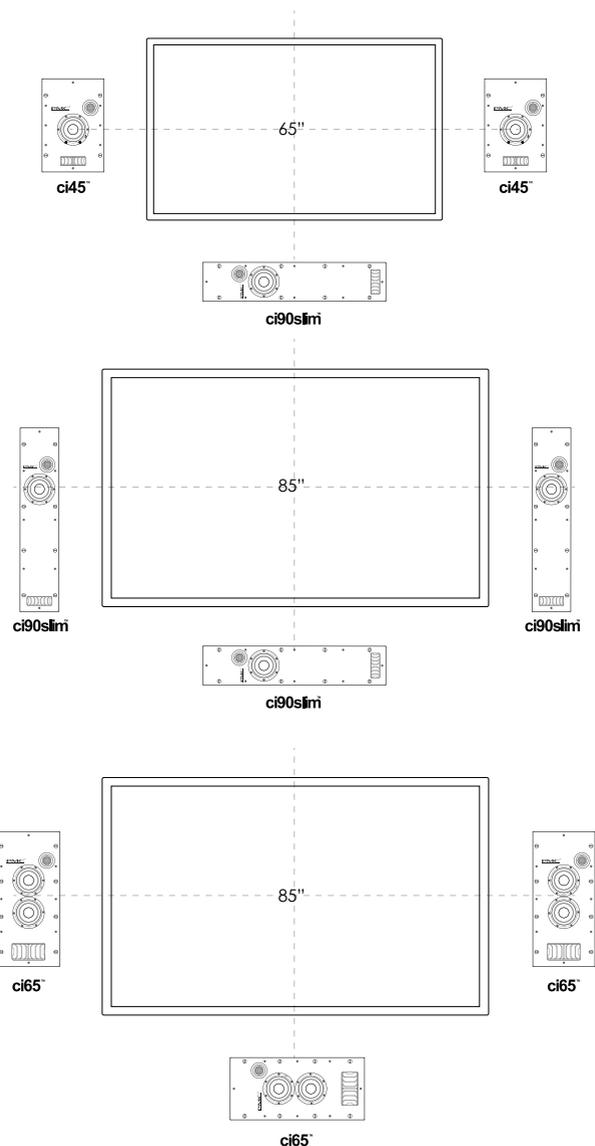


INSTALLATION EXAMPLES



For greater bass reproduction the addition of a sub bass unit from the PMC range is recommended.

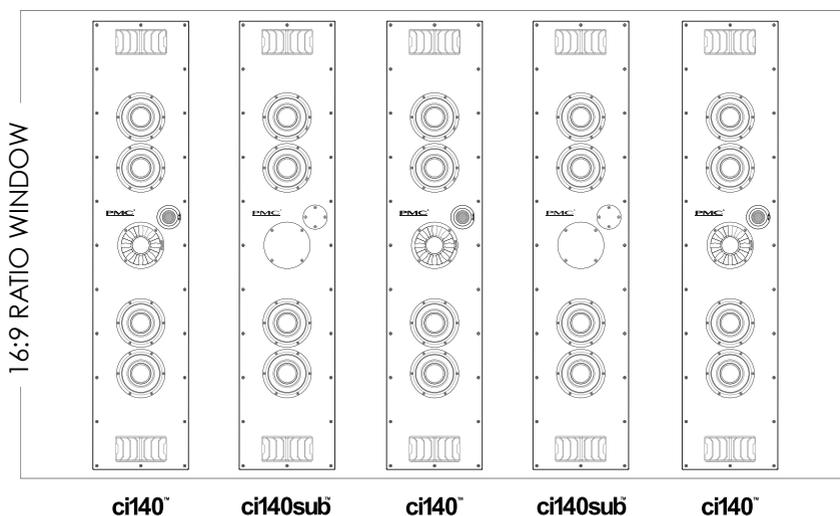
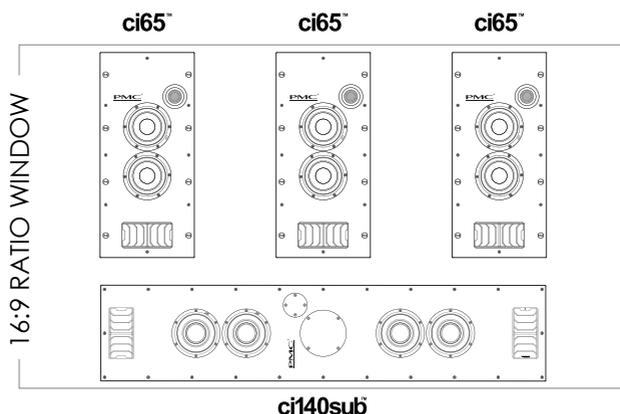
INSTALLATION EXAMPLES (CONT.)



For greater bass reproduction the addition of a sub bass unit from the PMC range is recommended. A fully immersive surround experience can be created with a combination of any of the **ci** series.

MULTI-CHANNEL AUDIO FOR PROJECTOR BASED SYSTEMS

For greater bass reproduction the addition of a sub bass unit from the PMC range is recommended. A fully immersive surround experience can be created with a combination of any of the **ci** series.



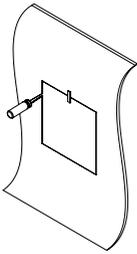
IN-WALL MOUNTING

The speed of the **Qikfire™** in-wall mounting system makes the entire range very "installer-friendly". The **ci30**, **ci45**, **ci90slim** and **ci65** are fitted with **Qikfire**, a spring-loaded mounting system which allows the loudspeaker to be fixed in position with a simple twist of a screwdriver and permits post-installation micro-adjustment.



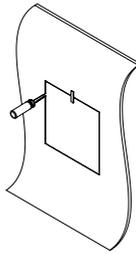
Please heed all safety warnings (see pages 10 & 11)

1.



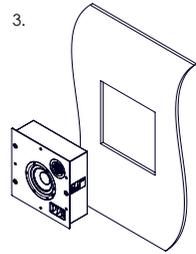
Use perforations to release in-wall template and place level on wall

2.



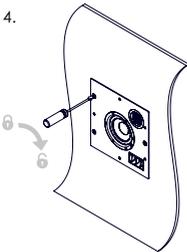
Use template to cut hole in wall

3.



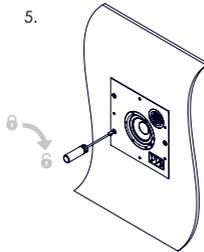
Place speaker in wall

4.



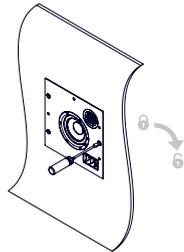
Use screwdriver to fix **Qikfire™** mounting system

5.



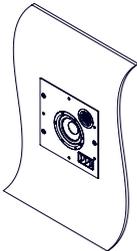
Repeat step 4

6.



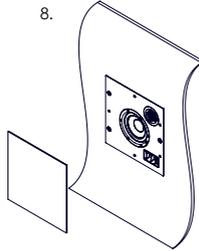
Repeat step 4

7.



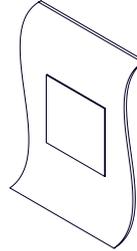
Your speaker is now securely installed in the wall

8.



Place magnetic grille on speaker

9.



Your installation is complete

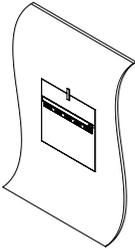
ON-WALL MOUNTING

The **ci30** in-wall is converted to an elegant on-wall with the optional sleeve and wall bracket



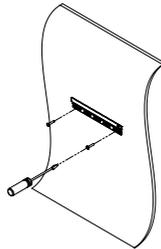
Please heed all safety warnings
(see pages 10 & 11)

1.



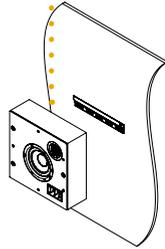
Place on-wall template level on wall and mark out fixing positions

2.



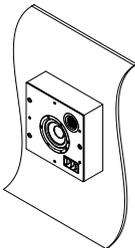
Fix first part of the bracket to the wall using fixings provided

3.



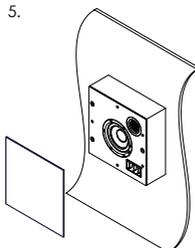
Attached second part of bracket to the rear of the speaker

4.



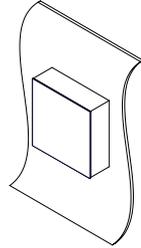
Place the speaker with bracket attached to the rear onto the bracket on the wall

5.



Place magnetic grille on speaker

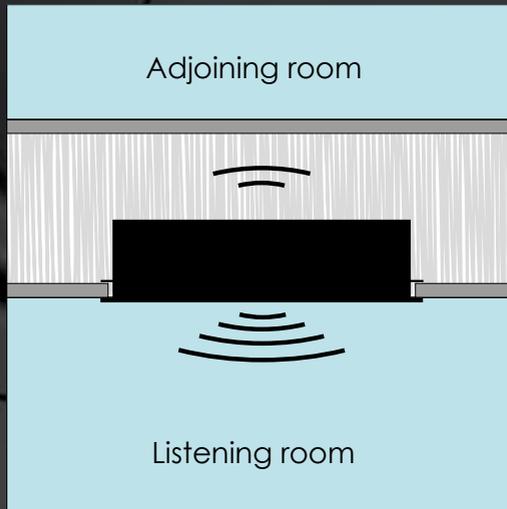
6.



Your installation is complete

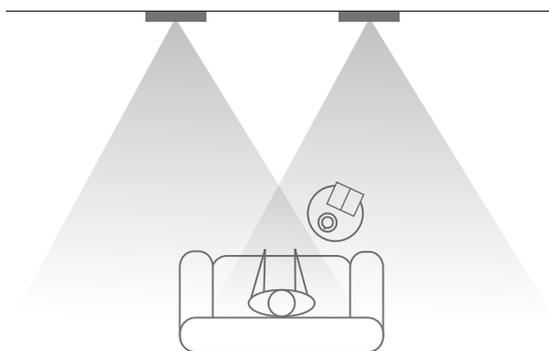
NO ESCAPE FROM PERFORMANCE

All **ci** series cabinets are enclosed at the rear, ensuring that sound leakage to adjoining rooms is kept to an absolute minimum. Unlike inferior open-back speaker designs, it is not necessary to rely on the cavity construction of the wall to enhance the sound; the **ci** series cabinets, with their defined volume and robust construction, have everything they need to deliver awesome cinematic sound at all listening levels.

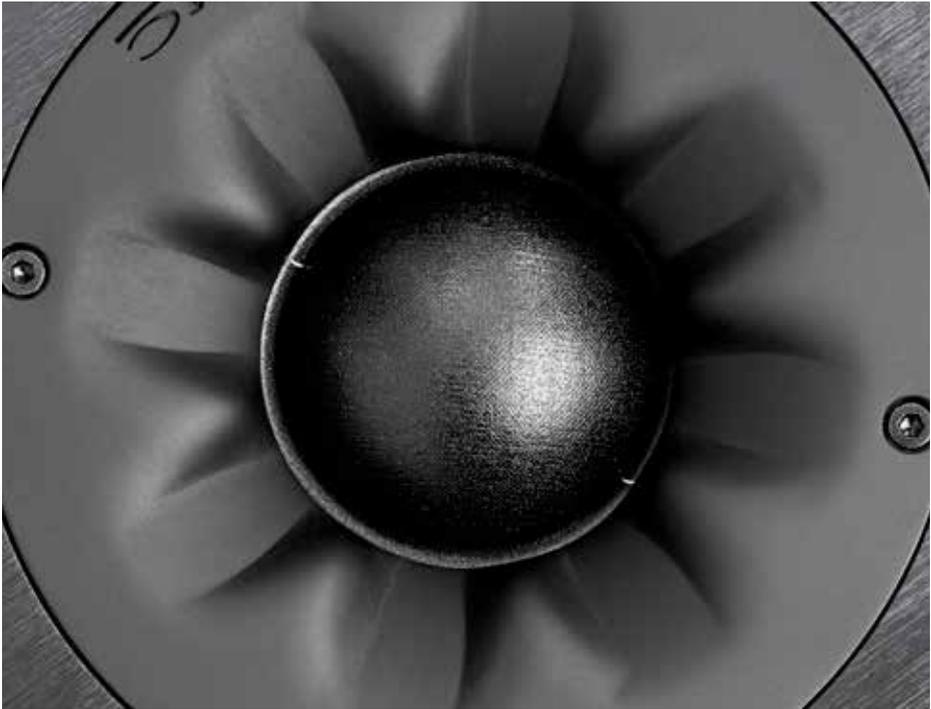


TRULY IMMERSIVE SOUND

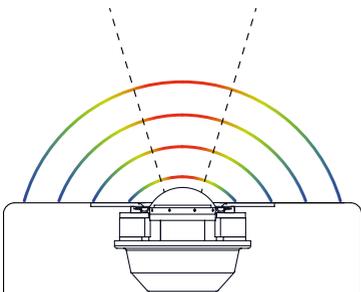
The ultra-wide dispersion of the **ci** series makes the listening experience truly immersive from all room positions, for the perfect inclusive home listening environment, whether it's an open-plan living space or dedicated home theatre.



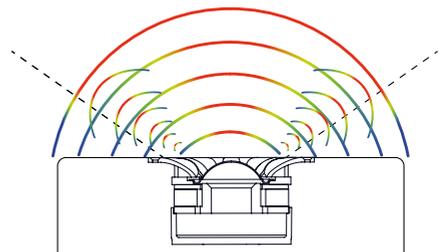
The vivid 3D image covering a vast listening area



Mid-range dispersion patterns

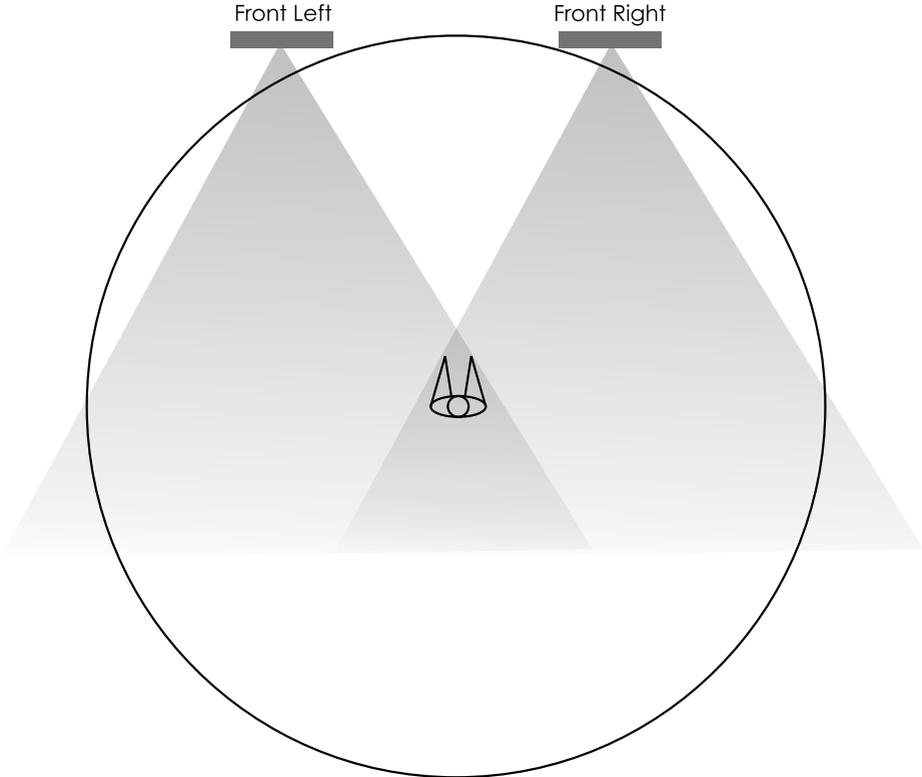


Standard loudspeaker

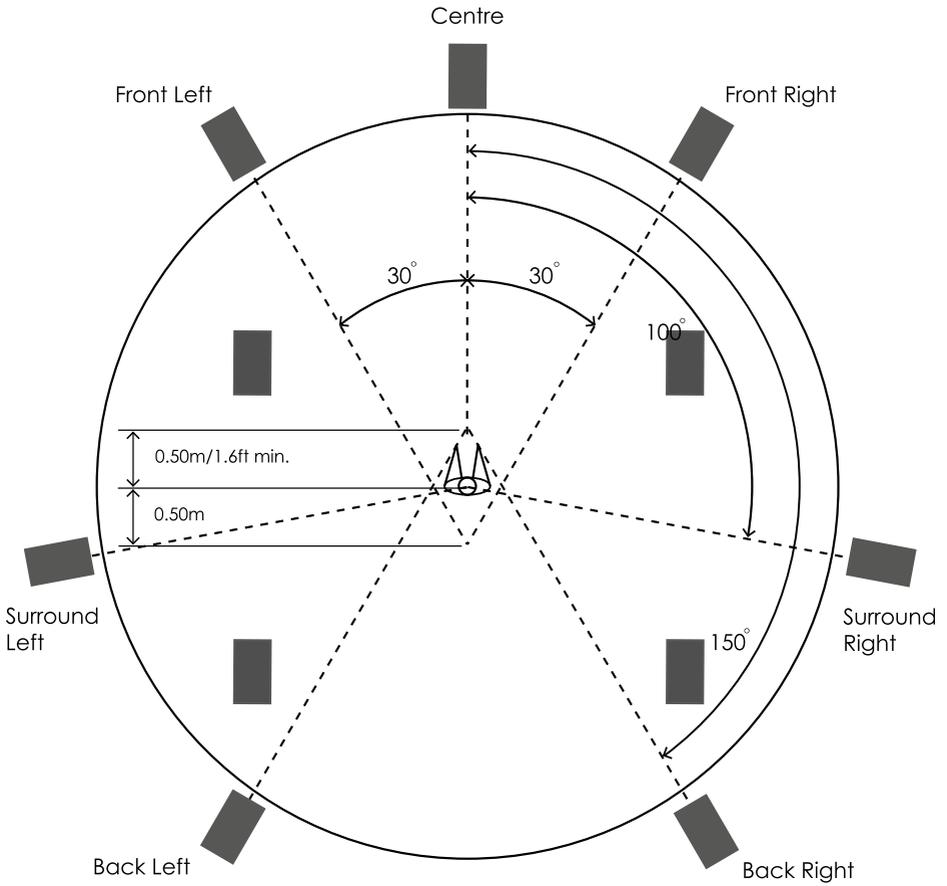


PMC ci series with **n-compass™** technology; extending the mid-range dispersion for a consistent, immersive experience throughout the listening environment.

STEREO SET UP



IMMERSIVE SURROUND SET UP



Ideal for:



RUNNING IN OR BREAKING IN



50
HOURS

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 50 hours of normal use.

50+ hours to run-in

OUR METICULOUS ATTENTION TO DETAIL

All PMC loudspeakers are designed and 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.



“ 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. ”

SERVICE

We are confident your **ci** 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 'where to buy'.

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

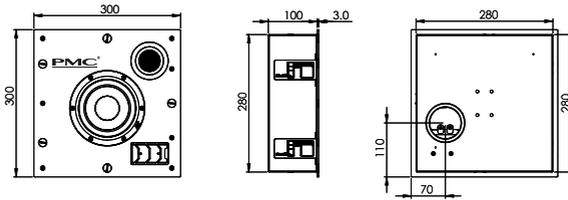


Important Note: Please do not return any products to PMC directly without first contacting our service department.



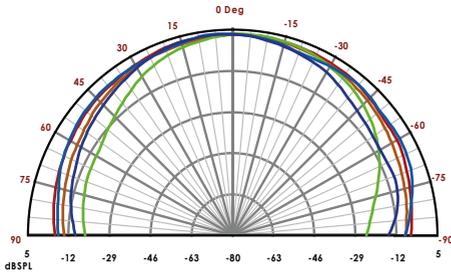
SPECIFICATIONS

ci30™

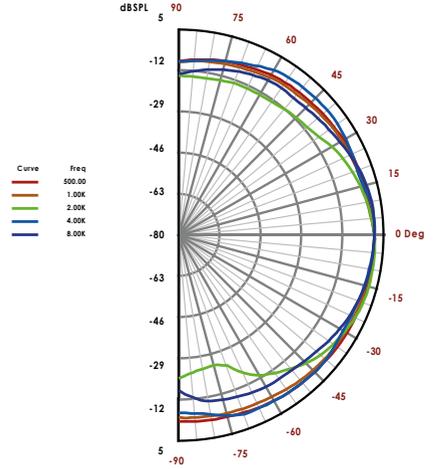


Freq response	47Hz(-3dB)-25kHz
Sensitivity	84dB (2.83v @1m)
Effective ATL™	1.5m (4.9ft)
Impedance	8 Ohms
Drive units	LF 133mm (5.25") Natural Fibre LT™ HF 27mm (1") soft dome
Input connectors	1 pair 4mm sockets
Dimensions	H 300mm (11.8") W 300mm (11.8") D 103mm (4")
Weight ea.	6.5kg (14lbs)

Horizontal polar response



Vertical polar response

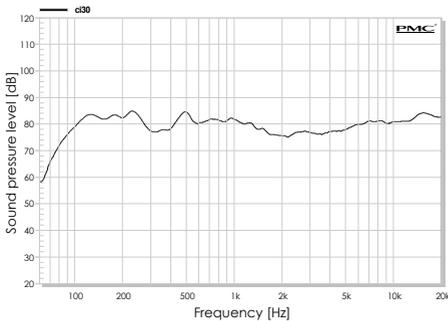


Speaker distance calculation table

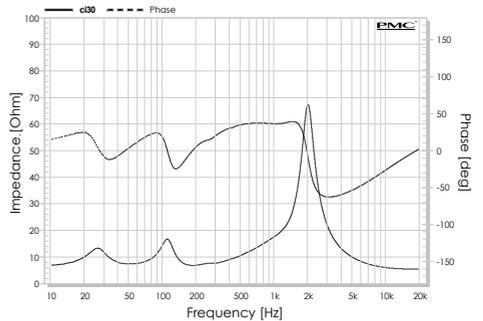
Distance from loudspeaker (m)

	1	2	3
Input power (W)			
1	84	78	75
10	94	88	85
20	97	91	88
50	101	95	91
Rated max power	105	99	91

On axis frequency response

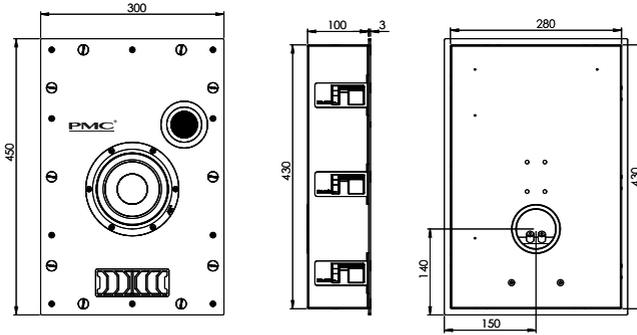


Impedance & phase response



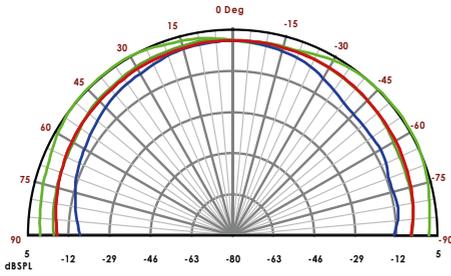
SPECIFICATIONS

ci45™

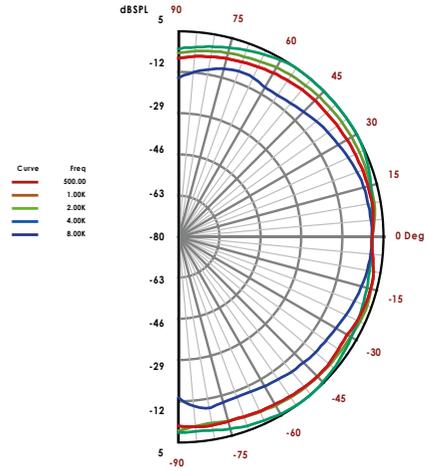


Freq response	45Hz-25kHz
Sensitivity	84dB (2.83v @1m)
Effective ATL™	1.65m (5.4ft)
Impedance	8 Ohms
Drive units	LF 133mm (5.25") Natural Fibre LT™ HF 27mm (1") soft dome
Input connectors	1 pair 4mm sockets
Dimensions	H 450mm (17.7") W 300mm (11.8") D 103mm (4")
Weight ea.	6.8kg (15lbs)

Horizontal polar response



Vertical polar response

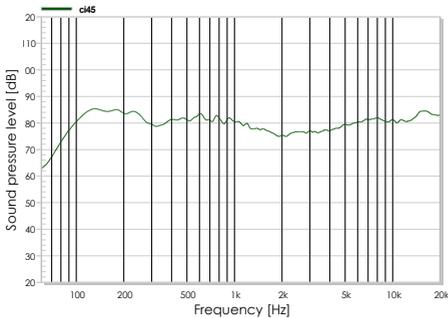


Speaker distance calculation table

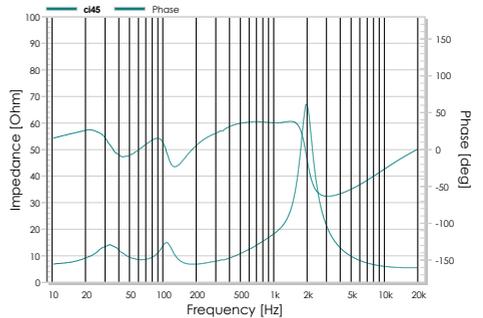
Distance from loudspeaker (m)

	1	2	3
Input power (W)			
1	84	78	75
10	94	88	85
20	97	91	88
50	101	95	92
Rated max power	105	99	92

On axis frequency response

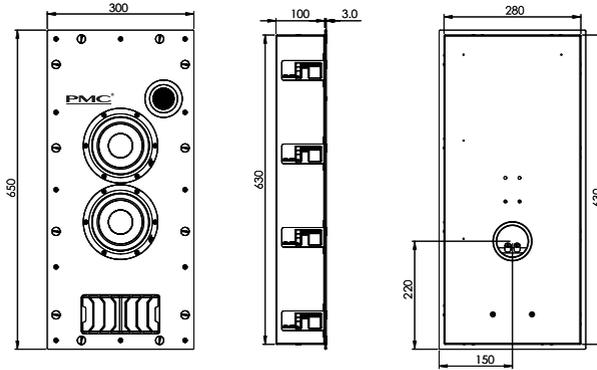


Impedance & phase response



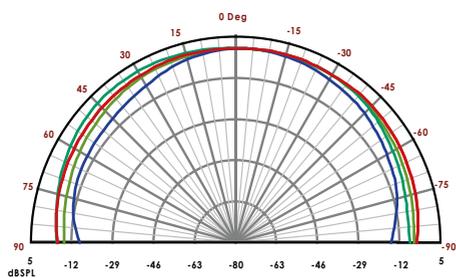
SPECIFICATIONS

ci65™

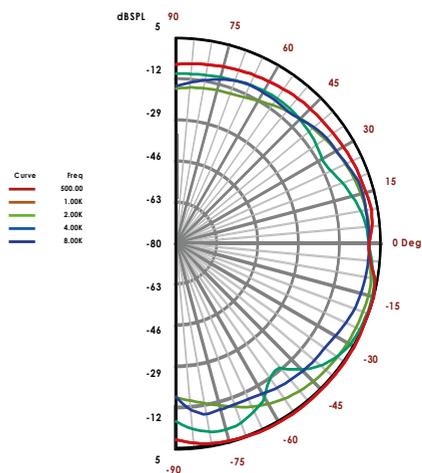


Freq response	40Hz-25kHz
Sensitivity	87dB (2.83v @1m)
Effective ATL™	1.8m (5.9ft)
Impedance	4 Ohms
Drive units	LF 2 x 133mm (5.25") Natural Fibre LT™ HF 27mm (1") soft dome
Input connectors	1 pair 4mm sockets
Dimensions	H 650mm (25.5") W 300mm (11.8") D 103mm (4")
Weight ea.	8kg (17.6lbs)

Horizontal polar response



Vertical polar response

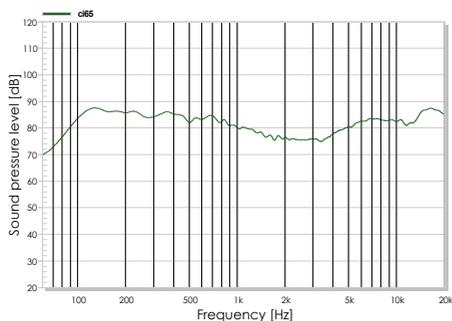


Speaker distance calculation table

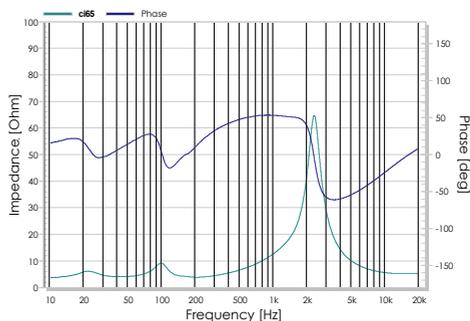
Distance from loudspeaker (m)

	1	2	3	3.5
1	87	81	78	76
10	97	91	88	86
20	100	94	91	89
50	104	98	95	93
Rated max power	109	103	100	99

On axis frequency response

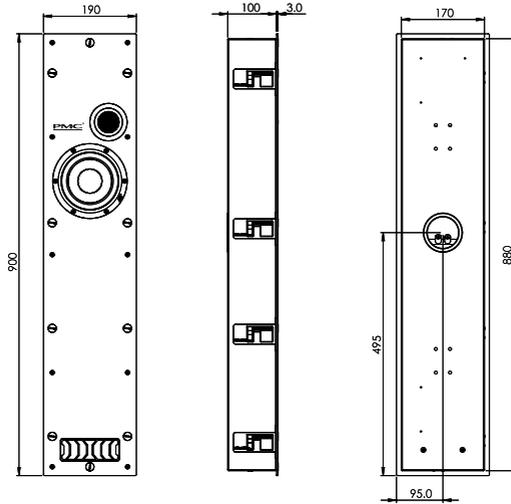


Impedance & phase response



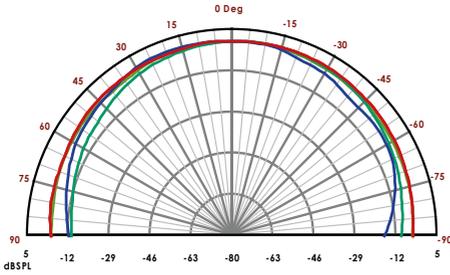
SPECIFICATIONS

ci90slim™

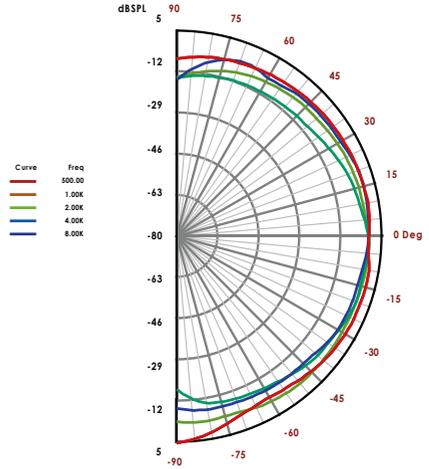


Freq response	45Hz-25kHz
Sensitivity	84dB (2.83v @1m)
Effective ATL™	1.65m (5.4ft)
Impedance	8 Ohms
Drive units	LF 133mm (5.25") Natural Fibre LT™ HF 27mm (1") soft dome
Input connectors	1 pair 4mm sockets
Dimensions	H 900mm (35.4") W 190mm (7.4") D 103mm (4")
Weight ea.	6.6kg (14.5lbs)

Horizontal polar response



Vertical polar response

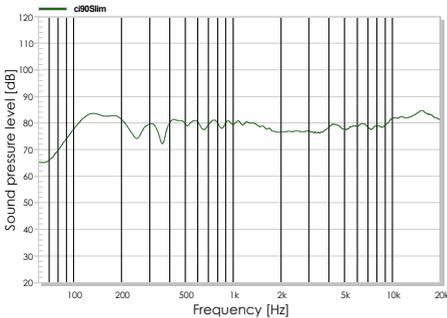


Speaker distance calculation table

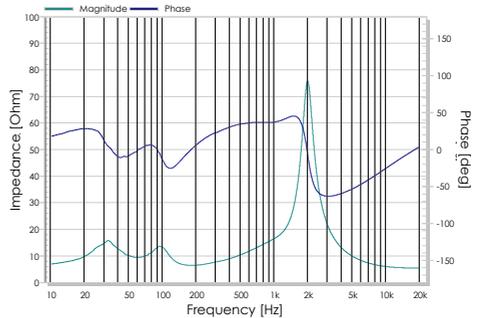
Distance from loudspeaker (m)

	1	2	3
1	84	78	75
10	94	88	85
20	97	91	88
50	101	95	92
Rated max power	105	98	91

On axis frequency response

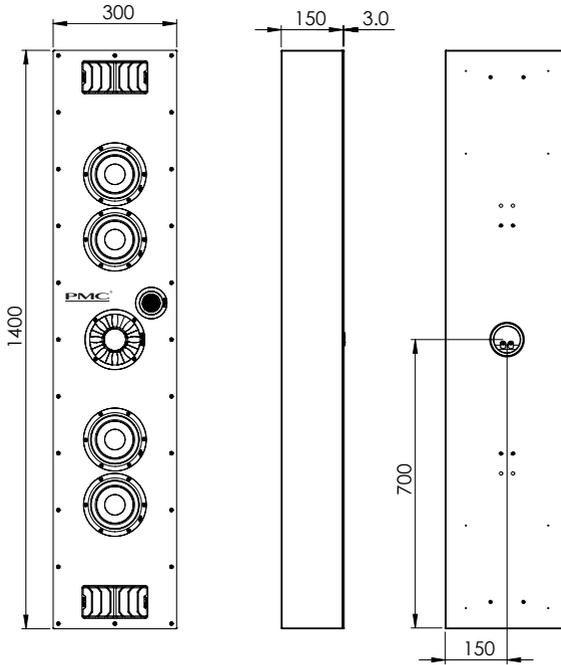


Impedance & phase response



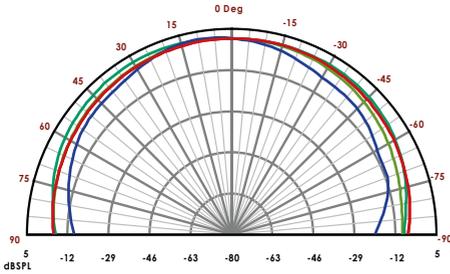
SPECIFICATIONS

ci140™

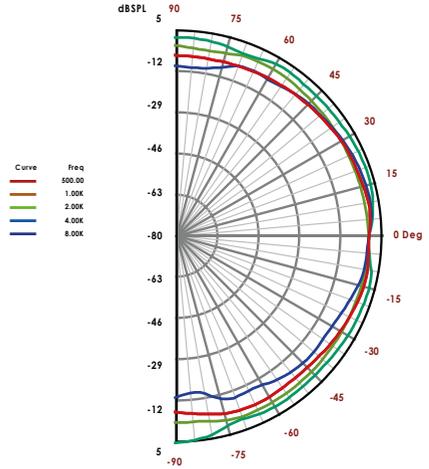


Freq response	32Hz(-3dB), 29Hz(-6dB)-25kHz
Sensitivity	93dB (2.83v @1m)
Effective ATL™	2.3m (7.5ft)
Impedance	4 Ohms
Drive units	LF 4 x 133mm (5.25") Natural Fibre LT^x MF 50mm (2") PMC55 n-compass™ soft dome HF 27mm (1") soft dome
Input connectors	1 pair 4mm sockets
Dimensions	H 1400mm (55") W 300mm (11.8") D 153mm (6")
Weight ea.	25kg (55lbs)

Horizontal polar response



Vertical polar response

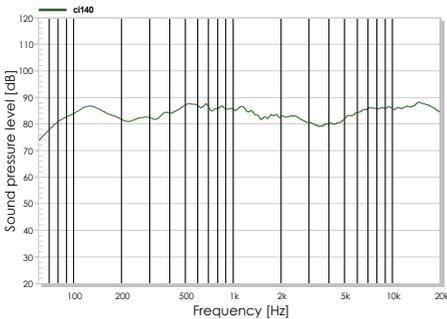


Speaker distance calculation table

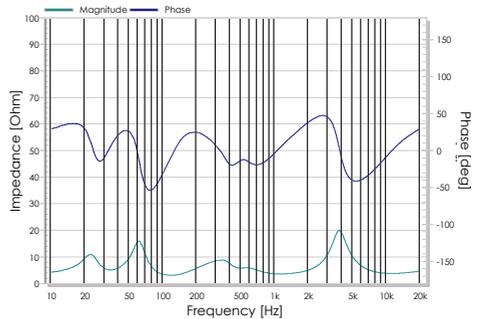
Distance from loudspeaker (m)

Input power (W)	Distance from loudspeaker (m)			
	1	2	3	3.5
1	93	87	84	82
10	103	97	94	92
20	106	100	97	95
50	110	104	105	99
Rated max power	116	110	107	105

On axis frequency response

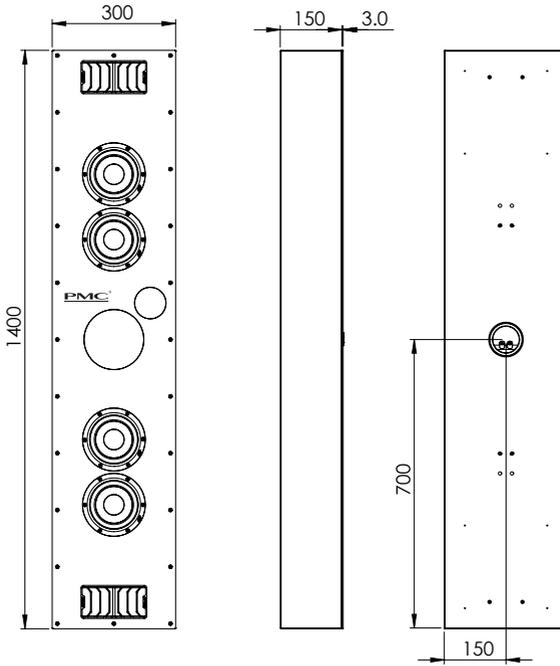


Impedance & phase response



SPECIFICATIONS

ci140sub™



Freq response	32Hz(-3dB), 29Hz(-6dB)
Sensitivity	93dB (2.83v @1m)
Effective ATL™	2.3m (7.5ft)
Impedance	4 Ohms
Drive units	LF 4 x 133mm (5.25") Natural Fibre LT^x ™
Input connectors	1 pair 4mm sockets
Dimensions	H 1400mm (55") W 300mm (11.8") D 153mm (6")
Weight ea.	24kg (52.9lbs)

WARRANTY

***Register within 10 days to unlock
your extended warranty***



Visit pmc-speakers.com and click on

register a product

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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.



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