

PMC[®]

twenty[®]



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. The company was founded because there wasn't a loudspeaker that was transparent enough to convey all of music's expressive power — and we knew we could remedy this.

One of our core beliefs has always been that the same loudspeaker can be used throughout the entire audio chain, from composer to studio or film stage, through post-production and mastering, right to the listener at home. Discerning listeners all over the world agree. Our designs are involved in every link of the music-making chain, from the recording studio to listening at home, which means we know exactly how to present music as transparently as possible, just as the artist intended. This knowledge, combined with our love for music, drives us to create products that you listen through rather than to. We want you to share the thrill of the original recording because there is nothing like the emotional impact of true musical communication.

Loudspeakers are where science meets art; we understand the science so that you can connect with the art.



Peter Thomas, Owner &
Oliver Thomas, Head of Design

A TRUE HERITAGE

Our Emmy®-award-winning systems are used in the world's leading studios so that engineers and artists can hear every nuance of their work as they make the critical creative decisions. Our loudspeakers are used to create everything from award-winning soundtracks to successful albums by artists including Coldplay, Stevie Wonder, Elton John and Adele, among many others. The list of Hollywood composers using our speakers is equally impressive, and includes the people who brought you 007's Skyfall and SPECTRE, Iron Man, Game of Thrones and the Bourne Supremacy, to name but a few.

PMC speakers deliver maximum transparency, so whether they are in Los Angeles' Capitol Studios or your living room, you will hear the music exactly as the artist intended it. Only PMC can get you so close to the original sound.



The world-famous Capitol Studios, LA, featuring PMC reference **QB1-A** and **twotwo.8** monitors

“No other loudspeaker company has such a rich professional heritage and has been awarded an Emmy®”



Emmy® award
©ATAS/NATAS

The following artists and institutions made music with PMC, composing, mixing or mastering with our loudspeakers: John Newman, Elbow, Embrace, Sade, Elton John & Leon Russell, Stevie Wonder, Coldplay, Kraftwerk, Peter Gabriel, Robbie Williams, Brian May, Eleanor McEvoy, Marillion, Sony Music, Underworld, Tony Bennett, Universal Music, RTL, Emil Berliner/Deutsche Grammophon, Teldex Studios, Hospital HDTV Broadcast Studios, EMI, Royal Shakespeare Company, Decca, The Moving Picture Company, ORF, The Düsseldorf University of Music, The Royal School of Music, Warner Music, BBC Radio, BBC TV, Capitol Studios, Chesky Records, New York University...

Movie music made with PMC: SPECTRE, Skyfall, Saving Mr. Banks, Man of Steel, The Adjustment Bureau, Sherlock Holmes, Get On Up, WALL-e, Inception, Tron, The Dark Knight, Gran Torino, Monsters vs Aliens, The Day The Earth Stood Still, Watchmen, Californication, Day of the Dead, Halloween, Hancock, independence Day, Hulk, The Fugitive, One Fine Day, The Sixth Sense, Dinosaur, The Passion of the Christ, Die Another Day, Planet of the Apes, Rollerball, Finding Nemo, Chicago, Pirates of the Caribbean, Terminator 3, American Beauty, Love Actually...



twenty[®]

series

Ideally suited to all styles and sizes of interior, and featuring PMC's innovative **ATL™** technology, the **twenty®** series offers an effortlessly natural, rich, room-filling sound, suggesting cabinets far greater in stature. It has been met with worldwide acclaim: for three years consecutively, the **twenty®** series was honoured with What Hi-Fi's Best Loudspeaker award — an unprecedented accolade.

PMC operates according to a holistic design philosophy, whereby every element is considered to be a contributing factor in the loudspeaker's sonic performance and every component used is judged for its sound quality and longevity; hence our confidence in the performance of our products, and the reason why we offer an unparalleled 20-year warranty on our passive designs.

As an established, award-winning introduction to the potential offered by PMC's range of handcrafted British loudspeaker designs, the **twenty®** series has no equal.

Unrivalled
Platinum
twenty year warranty

* N.B. 5 year warranty on active products



THE HEART BEAT

All of our loudspeakers offer **ATL™** bass-loading technology, which provides the following advantages over ported speakers:

- More detailed, more natural
- Full, rich sound at any volume level
- Deeper bass from a smaller cabinet
- Easy to drive with all amplifiers

ATL is an ingenious design and uses energy generated by the bass unit in a much more intelligent, efficient way than speaker designs based on ported or sealed boxes. In **ATL** loudspeakers, the highly braced cabinet is lined with a multitude of custom-designed acoustic materials that absorb all but the very lowest frequencies. These exit from a front-panel vent, extending the low-frequency response, and creating the impression of a far larger speaker with an extra, ultra-high quality bass unit.

ATL improves more than just the bass response: because the low end is clean and clear, it doesn't mask the rest of the music. Vocals, in particular, are beautifully projected and ultra-vivid.

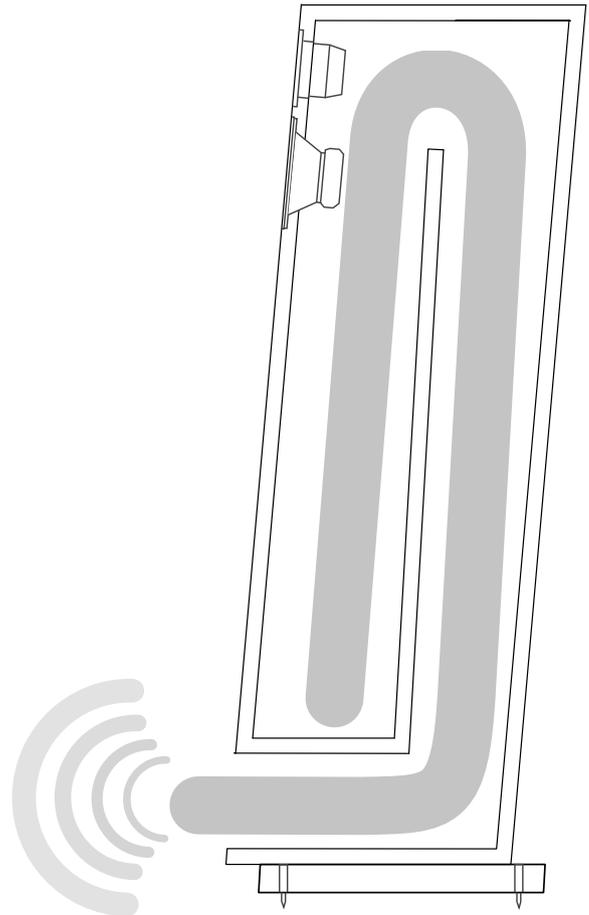
ATL loudspeakers offer another benefit. The **ATL** bass extension does not change with volume level — so even when listening quietly, the bass sounds balanced and well defined.

THE HIDDEN DETAIL

The hidden details of a product often determine its performance. The acoustic damping in **ATL™** speakers, for example, is far more sophisticated than that used in sealed box and ported designs. Standard acoustic foam will not suffice; there are many critical design factors. Each **ATL™** contains multiple custom foam profiles, with precisely engineered acoustic properties.

ATL™

Advanced Transmission Line



twenty·24 cross section showing **ATL™**



THE CABINET

An ideal loudspeaker cabinet provides a stable platform for its drive units to operate perfectly without adding any sonic signature of its own. Naturally, an optimum design should also integrate into and enhance the aesthetics of its chosen environment.

ATL™ attempts to defy the laws of physics by providing bass extension that would normally be associated with reflex or sealed box cabinets of a much larger size. To accomplish this, PMC's cabinets must withstand considerably greater pressure levels, and this in turn demands a more complex, better engineered design.

The **twenty®** series cabinets achieve a delicate balance, combining the structurally rigid and stable housing required for the handmade components to perform at their best in a stylishly neutral, matte-black finish that complements both traditional and contemporary homes.

THE GRILLES

Powerful magnets, carefully concealed in the speaker, affix the textured black grilles to the cabinet, leaving the front baffle unblemished by unsightly fixings — another example of our dedication to elegant design.



THE DRIVE UNITS

For more than 25 years, PMC has been manufacturing drive units for the most analytical and critical professional clients, for whom quality and reliability are of paramount importance. The **twenty**[®] series was the result of an intensive programme of research and design whose aim was to create a natural, highly musical performance.



THE BASS UNITS

The lessons learned from the successful **fact.8** bass unit, which achieved a great leap forward in terms of dynamics and subtle musical nuances, have been applied to the **twenty**[®] units. The natural fibre cones and hand-applied lightweight doping produces a drive unit capable of deep, rich, fulfilling bass as well as delicate vocal expression.

Due to the highly demanding and revealing nature of transmission line designs, the use of off the shelf bass units is not viable. Working with such high pressures, only a specifically designed, handmade unit can cope.

THE TWEETER

The relationship PMC has forged with Norwegian acoustic engineers SEAS[®] has allowed the cooperative development of a 27mm soft dome SONOLEX[™] tweeter. This unit, in conjunction with its bespoke dispersion grille, creates a near holographic soundstage that encompasses a vast area. The result is a perfect listening experience on both stereo and surround sound systems.

CROSSOVERS

The purpose of a crossover is to divide the incoming signal from an amplifier into the frequencies best suited for each of the loudspeaker's drive units. It's a key design element that demands the utmost precision if the performance of the speaker is to be at its optimum.

The **twenty**[®] series features very sophisticated crossovers, built and matched by hand. Combined with our handmade drive units, they achieve 24dB per octave slopes, which is necessary in order that each drive unit is used within its optimum frequency range. The benefits are higher power handling and an even, smooth response throughout the room.

The crossovers are constructed on military-grade glass-fibre boards, to which ultra-thick, pure copper tracks are added for unrestricted current flow.

All the components used must pass exhaustive listening tests, and further fine tuning is achieved by careful placement and orientation on the board. This eliminates any electromagnetic interaction between components, ensures a perfect division of frequencies, and the supply of the purest possible musical signal.

The terminals

Direct coupling to proven British high grade binding posts achieves the shortest possible signal path.



A hand built crossover from the 2-way models.



To seamlessly integrate the high, mid and bass drivers of the **twenty.26** takes a highly complex and well-engineered crossover. It ensures the perfect supply of frequencies for each of the three drive units.

twenty[®].21



Thanks to its complex **ATL™**, the **twenty.21** offers significantly more dynamic grip and musical-sounding bass than other speakers of its size. It is a very effective musical communicator, with fine warmth through the mid range and a sweet and extended treble. It all adds up to a dynamite design that can reproduce any genre of music with ease.

"...these are superb little speakers, and recommended without reservation"

GRAMOPHONE Jan '12

*"The **twenty.21**'s easy driveability and manageable size add real-world appeal to the purely audiophilic benefits of sublime sound, rich, rewarding bass and terrific imaging...With this in mind, I'm keeping a pair as my reference"*

hi-finews April '12



April '12



July '12



June '13



Jan '14



twenty[®].22



The hallmarks of the **twenty.22** are its natural, highly dynamic sound over an extensive frequency range, thanks to its **ATL™** design. With its stand-mount cabinet, it creates a precise sound stage, offers profound bass performance and can be enjoyed for long periods at high or low listening levels.

"Nothing has managed to beat these highly impressive speakers. If maximum detail retrieval and top-class agility are your thing, these are the ones to go for."

WHAT HI-FI? ★★★★★ Oct '14
SOUND AND VISION

"There's a purity to the sound which is simply astonishing - they're truly fabulous speakers"

WHAT HI-FI? ★★★★★ March '12
SOUND AND VISION



June '12



Awards '12



September '13

**What Hi-Fi?'s
'Best Standmount'
3 years running**



Awards '12



Awards '13



Awards '14

twenty[®]23



Your first impression of the **twenty.23** is of an open and engaging loudspeaker, its size defying both the depth of bass it can offer and the scale of its presentation — it takes any music or film material in its stride. The sound is vivid and dynamic and delivered with authority — with your eyes closed, the location of the speakers can be hard to determine. Such is the realism of the **twenty.23**'s sound.

"Despite its modest size, it does a remarkable job of delivering an essentially full bandwidth sound, with fine neutrality and excellent stereo imaging"

HI-FI CHOICE Jan '12

"If you're looking for a top-class pair of compact floorstanders, look no further"

WHAT HI-FI? ★★★★★ Aug '12

The plinth

Isolated stabilising plinths de-couple the cabinet allowing greater stereo focus and tighter defined bass.



twenty[®]24



HI-FI WORLD
June '12

June '12

HIFI CRITIC
BEST BUY
January '13

January '13

CHOICE
June '12

June '12

HIFI CRITIC
BEST BUY
April / May / June '12

April / May / June '12

The **twenty.24** projects the full scale of any recording in a larger room with authority and accuracy. The extended **ATL™** technology housed in the speakers' elegant towers delivers deep, articulate bass with improved resolution in all areas.

"It is a phenomenally musical speaker that makes everything you play as exciting and engaging as it was the first time you heard it if not more so. You can't ignore the music, even when the level is low it draws you in and won't let go"

hi-fi+ Feb '12



Reversible stainless steel spikes feature both points and ball-ended tips for use on carpeted or more sensitive hard flooring.

twenty[®]26



THE CRITICAL MID-RANGE

PMC is world renowned in both the professional and HiFi realms for superlative soft-dome mid-range drivers. The development of the **twenty[®]** series mid-range set the **twenty.26** apart from any other model in its class, providing striking transparency, particularly on vocals.



ARTICULATE, DEEPER BASS

To deliver bass depth with detail requires large, well-controlled cone excursions, and the custom-made **twenty.26** low-frequency unit has more than enough of what it takes. Coupled with **ATL[™]** loading, it renders every plucked bass and kick drum with beautifully lifelike realism.

twenty[®].26



June '14



May '14



Feb '15

The top model in the range, the **twenty.26** features the finesse, delicacy and musicality of its siblings, but with an added ability to convey an even wider-reaching sense of dynamic impact and scale. It excels with a broad range of amplification due to its ease of drive and well-tempered balance, and its transparency ensures that users improving other elements of their signal path will appreciate the full benefit of their upgrades. The **twenty.26** delivers the greatest level of overall clarity of any of the **twenty[®]** series.

"Yet another top-class speaker from the twenty range - PMC has done it again"



"...with a speaker as effortlessly capable as the PMC you have a system that will deliver truly outstanding music enjoyment."



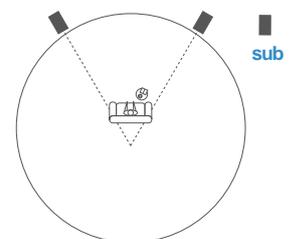
Each of the three precision drivers can be fed individually via the British engineered terminals



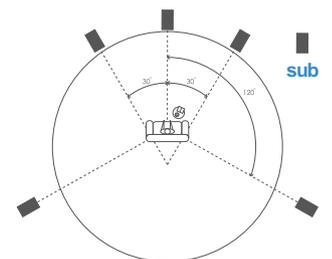
twenty·C



The **twenty·C** centre speaker is the perfect complement to the **twenty**[®] series in any home cinema system, its aesthetics and acoustics matching the rest of the range. The speaker's transparent balance provides a seamless surround soundstage; the all-important dialogue of the movie is presented with tangible realism, so you are fully immersed in the action.



2.1



Surround



twenty[®]sub



The **twenty.sub** is at home playing music or movies whilst delivering precise, dynamic results at any volume. Housed inside is a long and highly effective **ATL™**, which, when teamed with the twin 6.5-inch custom bass units, goes down to a staggering 22Hz.

The high-mass, resonance-absorbing plinth eliminates unwanted vibration, offers cable management, and provides an ideal stable platform. Active electronics derived from our renowned professional designs offer on-board DSP that optimises the driver responses and provides an

array of low-pass filtering, frequency adjustments and a parametric EQ for perfect in-room tuning. Power is supplied by PMC's 400W Class-D ultra-low-distortion audiophile amplifier, which allows for both balanced analogue and digital connections.

Thanks to its versatile inputs and filtered and unfiltered outputs, whether it's used in a supreme multichannel AV system or as the perfect sub-bass addition to a passive 2.1 music system, the **twenty.sub** is a truly future-proofed package.

OUR ATTENTION TO DETAIL

Our loudspeakers are designed and hand-built with care and attention by people who are fastidious about quality. Such is the confidence in our work that we offer an unparalleled 20-year warranty on all passive consumer loudspeakers.

All of our products are designed and built at the PMC facility in the UK where every single component is measured and graded. Every detail, from the individual elements on the crossover and in the drive units right up to the cabinet, is tested to ensure it meets our exacting standards for performance and reliability. This ensures each new model is a duplicate of the reference design.

A full computer analysis is taken for each completed loudspeaker, so we know it is technically perfect — but we go one step further. Computers don't tell the full story, and our customers listen with their ears — so we do too. We run a benchmark BBC speech test and play an extensive array of music (including classical, pop and rock) on each loudspeaker we produce. Every one is compared with its reference model and both speakers in each pair are cross-checked to ensure a perfect match.

For over 25 years, PMC has built a reputation for making the finest loudspeakers by maintaining this degree of attention to detail at every stage of production, and on all of our loudspeakers, including the entry-level **twenty**[®] series.

“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 musical test on every single one”



SPECIFICATIONS

twenty[®]21

Freq response	50Hz – 25kHz		
Sensitivity	87dB 1W 1m		
Recommended amp power	30 - 150W		
Effective ATL™	1.72m	5.6ft	
Impedance	8 Ohm		
Drive units	LF PMC twenty[®] series, lightweight doped 5.5"/140mm cone with cast alloy chassis HF PMC/SEAS [®] , 27mm twenty[®] series, SONOLEX™ Soft dome, Ferrofluid cooled		
Crossover freq	1.8kHz		
Input connectors	2 pairs 4mm sockets (Bi-amp or Bi-wire)		
Dimensions	H 325mm	12.8"	
	W 152mm	6.0"	
	D 277mm	11.0"	(+6mm grille)
Weight	5kg	11 lbs ea.	

twenty[®]22

Freq response	40Hz – 25kHz		
Sensitivity	90dB 1W 1m		
Recommended amp power	30 - 200W		
Effective ATL™	2.0m	6.5ft	
Impedance	8 Ohm		
Drive units	LF PMC twenty[®] series, lightweight doped 6.5"/170mm one with cast alloy chassis HF PMC/SEAS [®] , 27mm twenty[®] series, SONOLEX™ Soft dome, Ferrofluid cooled		
Crossover freq	1.8kHz		
Input connectors	2 pairs 4mm sockets (Bi-amp or Bi-wire)		
Dimensions	H 410mm	16.14"	
	W 184mm	7.25"	
	D 367mm	14.45"	(+6mm grille)
Weight	8kg	17.6 lbs ea.	

twenty[®]23

Freq response	29Hz – 25kHz		
Sensitivity	87dB 1W 1m		
Recommended amp power	30 - 150W		
Effective ATL™	2.4m	7.8ft	
Impedance	8 Ohm		
Drive units	LF PMC twenty[®] series, lightweight doped 5.5"/140mm cone with cast alloy chassis HF PMC/SEAS [®] , 27mm twenty[®] series, SONOLEX™ Soft dome, Ferrofluid cooled		
Crossover freq	1.8kHz		
Input connectors	2 pairs 4mm sockets (Bi-amp or Bi-wire)		
Dimensions	H 918mm	36.14"	(+25mm spikes)
	W 152mm	6.0"	
	D 330mm	13.0"	(+6mm grille)
Weight	13.2kg	29 lbs ea.	

twenty[®]24

Freq response	28Hz – 25kHz		
Sensitivity	90dB 1W 1m		
Recommended amp power	30 - 200W		
Effective ATL™	3.0m	9.8ft	
Impedance	8 Ohm		
Drive units	LF PMC twenty[®] series, lightweight doped 6.5"/170mm cone with cast alloy chassis HF PMC/SEAS [®] , 27mm twenty[®] series, SONOLEX™ Soft dome, Ferrofluid cooled		
Crossover freq	1.8kHz		
Input connectors	2 pairs 4mm sockets (Bi-amp or Bi-wire)		
Dimensions	H 1028mm	40.47"	(+25mm spikes)
	W 184mm	7.25"	
	D 419mm	16.5"	(+6mm grille)
Weight	21kg	46.2 lbs ea.	

THE STAND

The **twenty[®]** stand shares its design with PMC's advanced twenty5 range, and has been engineered to optimise the imaging, dynamics and overall tonal balance by using a blend of an ultra-rigid structure and resonance absorbing materials. The front tube can be filled to 'tune' the stand providing not only greater stability and mass but better bass definition. The rear tube is internally damped and allows cables to be passed through, maintaining a clean, elegant line.

H 599mm 23.5" (+25mm spikes) **W** 229mm 9.0" **D** 364mm 14.3"



twenty[®]26

Freq response	28Hz – 25kHz
Sensitivity	86dB 1W 1m
Recommended amp power	50 - 300W
Effective ATL™	3.3m 11ft
Impedance	8 Ohm
Drive units	LF PMC twenty [®] series, lightweight doped 6.5"/170mm cone with cast alloy chassis MF PMC 50mm twenty [®] series, dome mid-range HF PMC/SEAS [®] , 27mm twenty [®] series, SONOLEX™ Soft dome, Ferrofluid cooled
Crossover freq	380Hz & 3.8kHz
Input connectors	3 pairs 4mm sockets (Tri-amp or Tri-wire)
Dimensions	H 1062mm 41.8" (+25mm spikes) W 190mm 7.5" D 439mm 17.3" (+16mm grille)
Weight	22.5kg 49 lbs ea.

twenty[®]C

	45Hz – 25kHz
	90dB 1W 1m
	30 - 200W
	1.8m 5.9ft
	6 Ohm
Drive units	LF 2xPMC twenty [®] series, lightweight doped 5.5"/140mm cone with cast alloy chassis HF PMC/SEAS [®] , 27mm twenty [®] series, SONOLEX™ Soft dome, Ferrofluid cooled
Crossover freq	1.8kHz
Input connectors	2 pairs 4mm sockets (Bi-amp or Bi-wire)
Dimensions	H 172mm 6.75" W 520mm 20.5" D 305mm 12" (+6mm grille)
Weight	9.5kg 21 lbs

twenty[®]sub

Freq response	22Hz – 200Hz
Effective ATL™	3m 9.8ft
Drive units	2 x PMC twenty [®] series, lightweight doped 6.5"/170mm cone with cast alloy chassis
Input connectors	2 x balanced analogue (left/right XLR female) <i>(RCA unbalanced adapter provided)</i> 1 x AES digital XLR female (accepts 32 -192kHz, 24bit)
Output connectors	2 x balanced analogue (left/right XLR male) 1 x AES output XLR (male) <i>NB: Both analogue and digital outputs are active regardless of source</i>
Mains power	IEC connector 90-132V / 180-264V AC auto-sensing
Amplifier power	400Wrms Class-D
User controls	1 x Parametric EQ - Gain: -8.00 to +8dB - Freq: 20Hz-150Hz - Q: 1 to 8 in 0.5 Selectable LF rolloff slope: off (6dB/Oct, 12dB/Oct, 18dB/Oct) Selectable LF rolloff frequency points: 50Hz, 80Hz, 120Hz, 150Hz, 200Hz +10dB Gain: off/on Phase reverse: off/on Phase: 0-80 degrees in 5 degree steps
Volume range	-48.5dB to +15dB
Dimensions	H 580mm 22.83" (+30mm spikes) W 200mm 7.87" D 516mm 20.31" (+10mm grille)
Weight	23kg 51 lbs
Warranty	5 years



All **twenty**[®] series models share the same stylish Jet Black real wood veneer finish



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