

IB1S-*AIII*



Reference plug & play monitoring

The IB1S-*AIII* offers reference level quality monitoring in a 3-way plug and play design. It is the ideal monitoring solution for discerning and highly critical professionals in small to medium sized control rooms for all applications including; recording, mixing, broadcast and post-production/mastering applications. No matter the material, whether it is the subtleties of vocal harmonies, strings, or extreme bottom end, their signature transparency and accuracy means that all critical decisions can be made instantly with complete confidence.

Precision soft dome HF & MF drivers provide ultra-high definition and an extremely wide, natural dispersion creating a vivid soundstage over a vast listening area and with PMC's **ATL** bass loading technology teamed with its 10" carbon fibre LF piston driver provides identical dynamics and deep defined bass at all monitoring levels.

At a glance

- 3-way, plug & play reference monitor
- High resolution, ultra low distortion
- Low fatigue with a flat response at all levels
- Vivid soundstage over a vast listening area
- Abundant headroom - PMC 400w Class D Amplification
- Balanced XLR input & level control (17dB-37dB)



ATL™

Advanced Transmission Line

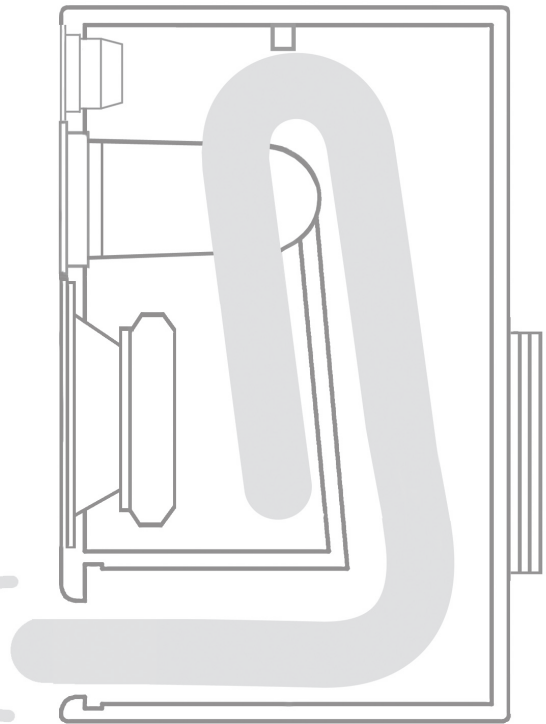
PMC's unique **ATL™** (Advanced Transmission Line) enclosures have taken loudspeaker design to the highest level, using sophisticated cabinet construction, proprietary drive units, and patented absorption materials and techniques. The benefits are enormous compared to the relatively simple sealed and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

PMC's innovative approach places the bass driver near one end of a long cavity - the **ATL™** (Advanced Transmission Line). This cavity is heavily damped with acoustic material specified carefully to absorb the upper bass and higher frequencies radiating from the rear of the bass driver. The lowest frequencies are allowed to pass down the line and emerge from the large frontal vent in perfect phase with the main driver with the vent acting essentially as a second bass driver.

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

A further advantage of the **ATL™** design approach is greater bass extension and higher SPL capability compared to typical ported or sealed designs of a similar size – even if similar sized drivers are used.

Moreover, the very consistent bass driver loading brings the welcome benefit that the frequency response remains consistent regardless of listening level, and analytical auditioning can be conducted without needing high replay volumes just to achieve an optimal bass response. This is a unique and a very valuable characteristic of PMC's Advanced Transmission Line.



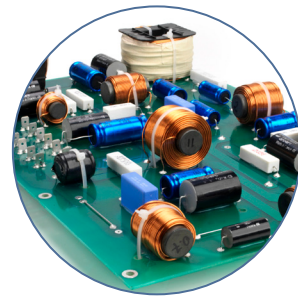
ATL™ bass loading technology offers the following advantages over ported monitors:

- Exceptional LF extension with no colouration
- Identical tonal balance at all levels
- Higher SPLs without compression or listener fatigue
- Superlative mid-range clarity
- A truly accurate response that translates

'No other bass loading technology provides such resolution and tonal accuracy at all monitoring levels'

More detail

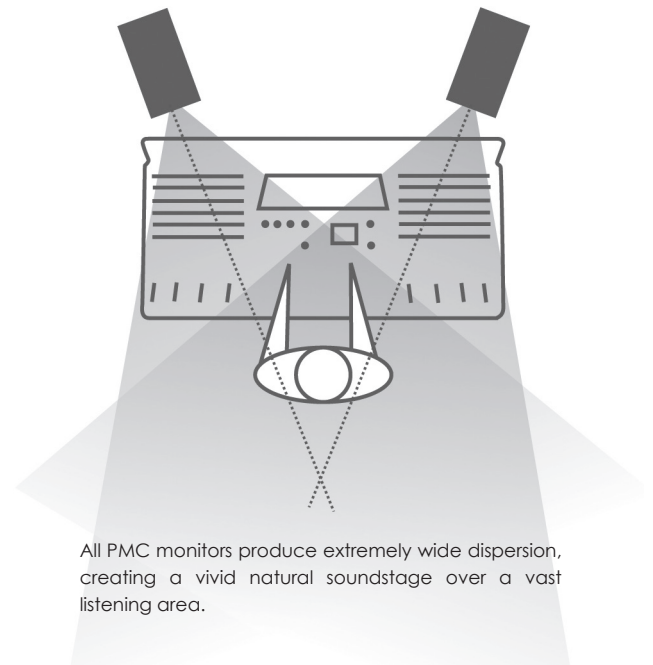
Power is supplied by PMC's own cutting edge 400w, Class-D amplification, which is designed for maximum fidelity, high damping and ultra-low distortion that results in near-instantaneous stop/start control over the entire driver complement. A precision, hand built, 24dB per octave crossover network divides the three frequency bands to the drivers, this ensures each drive unit is working within their optimal range both in frequency and dispersion making for a highly natural, neutral balance.



PMC's hand-assembled, 31-element, 24dB-per-octave crossover.



The highly flexible IB1S-AIII is available in a horizontal format - (IB1S-C-AIII). This version is the ideal when a low profile solution is required for a centre channel, stereo pair or in any other height restricted location.



All PMC monitors produce extremely wide dispersion, creating a vivid natural soundstage over a vast listening area.



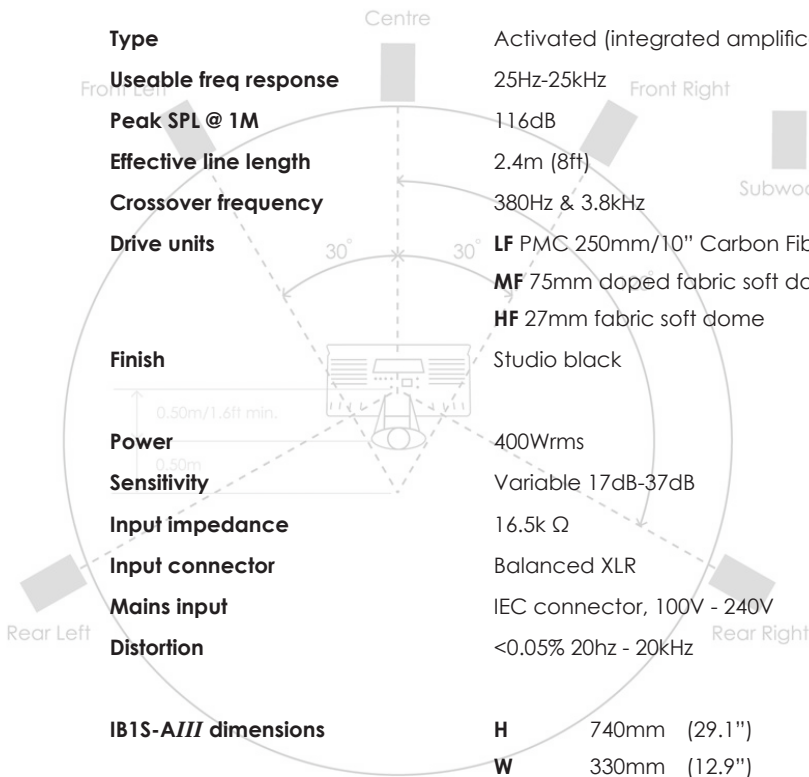
PMC's potent, long throw 10-inch carbon fibre and Nomex™ piston driver is common to both the IB1S-AIII and the **twotwo sub2** providing an identical bass texture and dynamics



The **twotwo sub2** active sub, with its identical 10" LF piston driver, is perfect for .1/LFE channels within full IB series multi-channel monitoring systems, or for use as a sub to provide greater headroom, augmenting the low end in-room response.

IB1S-A^{III} Specifications

Type	Activated (integrated amplification, precision, passive 3-way crossover)	
Useable freq response	25Hz-25kHz	
Peak SPL @ 1M	116dB	
Effective line length	2.4m (8ft)	
Crossover frequency	380Hz & 3.8kHz	
Drive units	LF PMC 250mm/10" Carbon Fibre/Nomex™ piston driver MF 75mm doped fabric soft dome HF 27mm fabric soft dome	
Finish	Studio black	
Power	400Wrms	
Sensitivity	Variable 17dB-37dB	
Input impedance	16.5k Ω	
Input connector	Balanced XLR	
Mains input	IEC connector, 100V - 240V	
Distortion	<0.05% 20hz - 20kHz	
IB1S-A^{III} dimensions	H	740mm (29.1")
	W	330mm (12.9")
	D	510mm (20.0")
IB1S-A-C^{III} dimensions	H	330mm (12.9")
(Low profile/centre channel)	W	740mm (29.1")
	D	510mm (20.0")
Weight (each)	45kg	99.2lbs



Optional, custom 33" (840mm) stands guarantee the optimum performance

Subject to change without notice

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