



Aesthetically, conceptually and acoustically, the PV1 subwoofer is the ultimate partner to the M-1, deriving strength and integrity from its curved form to deliver exceptional bass.



A beautiful whole



Cables can be a problem with home theatre. We didn't want dangling or trailing cables spoiling the lines of the M-1, so we designed the floor stand to allow a cable to enter at its base, and then connect to the metal 'arm' that supports the speaker. There's a similar arrangement for the wall bracket and table plinth.

For us, a movie is only great if it adds up to more than the sum of its parts. The parts have to be good - an original storyline, great dialogue, flesh-and-blood characters, bold directing - but to create movie magic they have to be brought together in a way that people will warm to and want to see over and over again.

We felt we should keep this in mind when we designed B&W Mini Theatre.

At the heart of Mini Theatre is the M-1. Small it may be, but the M-1 is brimming with innovative acoustic engineering. From the inside out, it has been conceived as a unified system delivering superlative sound, looks and ease of use. Starting on a blank sheet of paper, its design has evolved in a totally integrated way, from the tube-loaded tweeter and woven bass driver cone to the two-piece cabinet and concealed cabling.

Put an M-1 in all five satellite speaker positions alongside a B&W subwoofer and you'll have a sum of parts that is movie magic in the making.

The sum of the parts

The secret of the M-1 is its unified, integrated structure: the way the design coalesces the components and cabinet into a harmonious whole. It all fits together beautifully, with a minimum of noise-inducing seams, joints and discontinuities.

The cabinet comprises just two elements: a single curved aluminium casting, forming the sides and rear; and a curved moulding in strong, glass-loaded, ABS plastic, creating the front baffle and ends. It's a neat double-act: the aluminium stiffens the assembly; the ABS offers excellent damping characteristics.

Their curves clamshell together, adding strength and reducing the number of cabinet joints to (a very minimal) one. Not only that, it changes the whole aesthetic of the loudspeaker from one resembling a piece of furniture into that of a sleek, Italian-designed wall-light.

Inside, tethering the drive units rigidly to the front baffle, is a sub-frame. This, in turn, is clamped by a single screw to the rear of the main cabinet, pre-stressing the entire structure and keeping it rigid, well-damped and airtight.

Once assembled, the system is mechanically optimised as a single, integral unit, which cuts down on the electronic components needed in the crossover: tuning can be done by ear, rather than by computer. What you hear is a more natural, more organic sound, tailor-made to bring movie sound effects bursting to life, as we think your ears will agree.



We like to keep improving things, and our 1" metal dome tweeter - similar to that in most other B&W models - is no exception. The M-1 version benefits from refinements developed for the top-of-the-range 800 Series. Its Nautilus™-derived tweeter tube and neodymium magnet ensure exceptional efficiency.



The design of the 4" bass/midrange drive unit centres around reducing unwanted colouration of the sound. Its glass fibre cone has a woven structure that helps to break up standing waves, and five strategically placed slots, each filled with a resin glue to preserve the cone's airtightness, minimise so-called 'bell modes'.



Inspiring wiring



With six or seven speakers around the place and yards of cable issuing from them, a home theatre set-up can seem like a scene from Spiderman. Even with cable concealed under floors or within walls, at some point it has to emerge and make connections with speakers. When it does it can still spoil the view of either a movie or the surroundings (or of the clean lines of the M-1).

With the M-1, we've done our best to cut down on the web of wiring, and pushed cable management a stage further than usual. Taking a leaf from the book of office furniture design, we've integrated the cable into the product and its various mounting accessories. In concealing the cable, we've also concealed the connections, so there are no sockets visible, either.

Cable enters via the speaker's floor stand, table plinth or wall bracket. The electrical signal is conducted to the speaker through the metal 'arm' that supports it. The arm itself forms the negative conductor, and a single, insulated wire running inside it provides the positive one.

When mounting an M-1 on the wall, the bracket can be wired and pre-installed, with the speaker being fitted, plug-and-play fashion, later. In the floor stand, the cable is threaded through the central column and then into the arm at the top. Now what you see is as pleasing as what you hear.

In the same way a power cable enters a well-designed table lamp at its base, and passes up through the stand, the M-1's signal cable disappears into the back of the table plinth stand, from where the signal reaches the speaker via a specially-designed, pre-wired 'arm' support.



To emphasise the sensuous minimalism of its design, the M-1 is available in a choice of three high quality, understated finishes: black, white or silver.





Mini Theatre Systems

Mini Theatre is available in three system options. Anchor a set of M-1s with the bass from a B&W subwoofer, and you'll experience movie sound to keep you gripped, right to the final frame. Every whisper, rustle, creak, crunch, and crash of your favourite movies will seem like new once again.

M-1s can be bought individually, so they can be used in pairs for two-channel audio, too. Or you can pick up a box of five for a 5.1 home theatre set-up, with four set up vertically as your front and rear side speakers, and one as the horizontal front centre monitor. It's a much more adaptable set-up than the system-in-a-box approach. With Mini Theatre, your installation is future-proof: when you want to upgrade to a 6.1 or 7.1 set-up, just add one or two extra M-1s.

Each MT system option offers a different level of bass extension and control for different needs and settings and will add an extra dimension to the movies you love.



Mini Theatre System 10

For smaller rooms, the MT-10 comprises five M-1s and the AS1 subwoofer to offer the right balance of power and performance. The AS1 features an 85W amplifier, a 6" driver and a choice of equalisation to suit the programme and room acoustics.



Mini Theatre System 20

In a larger room, more bass power will be required, so a sound option to achieve this and, at the same time, raise the quality stakes is to go for an MT-20 package. It brings in the AS2 subwoofer with its 10" mica cone driver, 150W amplifier and more advanced control functions.



Mini Theatre System 30

For the ultimate Mini Theatre installation, whatever the size of the room, the MT-30 combination incorporates the visually and acoustically unique PV1 subwoofer, which develops some serious bass power from its 500W IcePower® amplifier and back-to-back 8" drivers.

M-1

PV1

Technical features	Specification needs to be replaced with M1 specification!
Description	2-way vented-box system
Drive units	1x ø25mm (1 in) metal dome high-frequency 1x ø100mm (4 in) woven glass fibre cone bass / midrange
Frequency range	-6dB at 72Hz and 50kHz
Frequency response	80Hz – 23kHz ±3dB on reference axis
Dispersion	Within 2dB of reference response Horizontal: over 60° arc Vertical: over 10° arc
Sensitivity	85dB spl (2.83V, 1m)
Harmonic distortion	2nd and 3rd harmonics (90dB, 1m) <1% 120Hz – 30kHz <0.5% 250Hz – 22kHz
Nominal impedance	8Ω (minimum 4.8Ω)
Crossover frequency	4kHz
Recommended amplifier power	20W – 100W into 8Ω on unclipped programme
Max. recommended cable impedance	0.1Ω
Dimensions (wall mounted)	Height: 243mm (9.6 in) Width: 114mm (4.5 in) Depth: 172mm (6.8 in) Mounted on table stand
Net weight	??kg (?? lb)
Finishes	Cabinet: White, silver or black Grille: White, silver or black perforated steel to match

Technical Features	Pressure vessel enclosure 500W IcePower® amplifier Switch mode power supply
Description	Active closed-box subwoofer system
Drive unit	2x f200mm (8 in) mica / aluminium diaphragm long-throw
Frequency range	-6dB at 18Hz and 40/140Hz adjustable (EQ at i)
Frequency response	±3dB 21Hz – 31/110Hz adjustable (EQ at i)
Amplifier	Power output: 500W Rated power consumption: 110W (105W - 100V version)
	Input impedance: 100kΩ Signal / noise: >90dB
	Functions: Volume level Low-pass filter frequency Bass roll-off alignment Auto sense on/standby Phase switch
	Inputs: Line In (RCA Phono) Speaker Level In (RJ11)
	Outputs: Link Out (RCA Phono)
Low-pass filter	Active 2nd -order, variable cut-off frequency (applies only to speaker level input)
Dimensions	Height: 335.5mm (13.2 in) Width: 289mm (11.4 in) Depth: 347mm (13.7 in)
Net weight	20.5kg (45 lb)
Finishes	Silver with grey trim Black with anthracite trim
	100V 6.3A 120V 6.3A 220V T3.15AL 230V T3.15AL



AS2

AS1

Description	Active closed-box subwoofer system	Active vented-box system
Drive unit	ø250mm (10 in) mica cone	1x ø165mm (6.5 in) cone bass
Frequency range	-6dB at 20Hz and 140Hz adjustable (EQ at 1)	-6dB at 27Hz and 100Hz Music mode
Frequency response	-3dB 32Hz – 125Hz adjustable (EQ at 1)	34Hz to 75Hz ±3dB on reference axis Movie mode 31Hz to 75Hz ±3dB on reference axis Music mode
Amplifier	Power output: 150W continuous Rated power consumption 220W Input impedance: 22kΩ Signal / noise: >90dB Functions Volume level Low-pass filter frequency Low-pass filter bypass Bass roll-off alignment Auto sense on/standby Phase switch Inputs: Line In (RCA Phono) Speaker level (binding posts) Outputs: Link Out (RCA Phono, parallel to Line In)	Power output 85W continuous Rated power consumption 120W Input impedance 100kΩ Signal/noise 94dB Functions Volume level Music/Movies switch Inputs Line in (RCA Phono) Speaker level In (Spring Clips) Outputs Line out (RCA Phono) Speaker Level Out (Spring Clips)
Low-pass filter	Active 2nd-order, variable cut-off frequency	tbc
Dimensions	Height: 325mm (12.8 in) not including spike feet Width: 325mm (12.8 in) Depth: 393mm (15.5 in) including grille and controls	Height: 378mm (14.9in) Width: 215mm (8.5in) Depth: 385mm (15.2in)
Internal volume	tbc	16.5 litres (5.5 cu ft)
Net weight	15.5kg (34 lb)	11 kg (24.2 lb)
Finishes	Black or silver Grille Black or silver cloth	Black Ash vinyl cabinet with black grille Silver vinyl cabinet with grey grille



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