



REAL SOUND for REAL PEOPLE

**psb**  
**SPEAKERS**



PSB Imagine T3 Tower in Gloss Cherry Wood Veneer



PSB Imagine T3 Tower and Imagine C3  
in Gloss Black

## PSB Speakers – A Sound Story

The PSB Speakers story is the story of the little brand that could. PSB Speakers came from humble roots as a hobbyist's upstart in a garage in Waterloo, Ontario, Canada. It was with sheer passion and dedication to his craft that Paul Barton, PSB's Founder and Chief Designer, built an acoustics brand that could rival the biggest in the industry in terms of both sound quality and value.

Today, PSB is among the most critically acclaimed speaker brands in the world and Barton remains deeply involved in the research and development behind every speaker, carefully voicing each one at Canada's renowned National Research Council. With a mad scientist's obsessive focus, Barton designs and carries out double-blind listening sessions to determine what speaker attributes make the most life-like listening experience. The results of these experiments are audible in the articulation and body of every musical note and sound reproduced on PSB speakers.



PSB Imagine T3 Tower in Gloss Cherry Wood Veneer

"Paul Barton has taken his time to produce his greatest loudspeaker, but it's been worth the wait!

He has succeeded in upscaling all the best characteristics of the smaller models to the larger PSB Imagine T3. Not only does the T3 sound great but it maintains PSB's usual value for money."

— HiFi Stars

## Imagine T3 & C3

If there has ever been a speaker that represents the latest and most advanced thinking of PSB loudspeaker design, it is the new premium Imagine T3 and C3. The Imagine T3 and C3 are a spectacular display of clean, well-integrated bass response and pinpoint imaging. The perfect proportion of Sound Power, combined with extremely even frequency response and uniform off-axis response, creates a massive, effortless sounding and precisely detailed sound field.

Home theatre enthusiasts can create a perfectly matched surround sound system by combining the Imagine T3 for left and right speaker positions, and the Imagine C3 as the centre channel speaker. The identical voicing of these speakers creates a seamless and expansive sound field. Other Imagine models, including specialised surround speakers in stand mount, wall mount, in-wall and in-ceiling options complete the surround experience.

 Available in Gloss Cherry or Gloss Black\*



\*Some finishes may not be available in all countries.



PSB Imagine T3 Tower foot detail



## Imagine T3 – Performance in the Details

The Imagine T3's tall and slender cabinet not only looks great, but is designed to optimise the placement of the cones to produce the widest possible range of frequencies without any distortion. Made up of three woofers, a tweeter, and a midrange driver built into a structurally rigid cabinet, the T3 offers the fullest and purest sound experience of any PSB speaker to date.

The three 7-inch woofers are arranged in a transitional array, where all the woofers combine to produce the longest wavelengths of sound in the lowest frequencies. The woofers are built into individually-tuned chambers and carefully spaced to deliver clean and robust bass response. At higher musical frequencies, the woofers adapt their output until only the woofer adjacent to the midrange driver is active, creating a perfect transition with uniform off-axis response.

The midrange frequencies, where human hearing is most sensitive to the pitch and timbre of instruments and voices, are produced by a unique 5 1/4" driver, tuned and isolated in its own sealed chamber. The result is outstanding articulation and robustness of this range of frequencies, which envelops the listener in one of the richest sensory experiences possible from loudspeakers.

The Imagine T3 is using a hand-selected version of PSB's famous titanium dome tweeter, which is placed in the tower at ear level for most listeners to create the best listening experience. This 1" dome features a neodymium magnet, high temperature voice coil and ferrofluid cooling, allowing it to keep pace with the high power handling of the rest of the speaker. Several years spent perfecting the production process has resulted in a tweeter with extremely smooth response and amazingly low distortion compared with other well-known tweeter designs.



PSB Imagine T2 Tower and Imagine C Centre



## Imagine Series – The Performers

**Imagine C** – A dual-woofer, horizontal two-way centre-channel speaker that performs impressively well in a multi-channel environment, reproducing every last nuance of sound.


**Imagine T2 Tower** – Imagine T2 Tower speaker, a high performance, transitional 5-way tower speaker equipped with Triple Port Bass Reflex and subdivided discrete chambers. This tower speaker design offers a sound experience that rivals loudspeakers costing two to three times more.

**Imagine T Tower** – Destined to become the standard of value among audio and home theatre fans for whom real-world sonic performance is the benchmark of excellence. Compound-curved on every vertical face, and outstanding sonic performance makes this speaker (and the Imagine Series in general) a true “Class Leader”.

**Imagine B** – A compact two-way stand/bookshelf-mount ideally suited for front channels/stereo playback, these speakers deliver remarkable clarity, detail and bandwidth.

**Imagine S** – A dual-two-way, selectable dipole/bipole/dual-channel monopole surround loudspeaker, which may be connected as two discrete (side/rear) two-way pairs in compatible systems.



 Available in Dark Cherry Wood Veneer, Black Ash Wood Veneer, Gloss Black or Gloss White\*

\*Some finishes may not be available in all countries.



PSB W3 On-Wall Speaker



## Imagine Series – The minis

**Imagine mini** – The deceptively small Imagine mini speaker makes a big impact on an already impressive range of award-winning Imagine speakers. With its high-performance and compact size, the mini is as versatile as it is cute.

The mini produces a large soundstage and impressive bass along with the true-to-nature sound for which PSB is known. Our engineers designed the crossover frequency very low relative to the woofer size in order to provide the same sound no matter where the speaker is placed.

**Imagine mini C** – the perfect accompaniment to the Imagine mini. Together, they form a compact, yet musically powerful home theatre system. This centre channel features a pair of 4" woofers and a 1" titanium dome tweeter in a horizontal layout with the same trend-setting cabinet design that has become the distinct hallmark of all Imagine Series speakers.



Available in Dark Cherry Wood Veneer, Black Ash Wood Veneer, Walnut Wood Veneer, Gloss Black, or Gloss White.\*



## Imagine Series – The On-walls

Pair excellent visuals of today's ultra-thin flat panel TVs with beautiful and beautiful-sounding speakers.

**Imagine W3** – a complete 'front-of-room' solution taking the concept of the 'sound bar' to a new, higher level of performance. Combining left, centre, and right channels all in one streamlined enclosure.

**Imagine W1** – a single channel speaker that can be oriented either vertically or horizontally and be used as a front left, right, centre or surround channel speaker.



High Gloss Black

\*Some finishes may not be available in all countries.



PSB Imagine X2T Tower Speaker

## Imagine X Series – The Players

True-to-nature sound is the design goal of all PSB Speakers. Imagine X brings a new level of realism to these affordable speakers applying the latest speaker materials and technologies to PSB's most popular models. PSB's designers focused on simplicity—distilling sound to its purest essence—in order to bring listeners the experience that they really love.

The Imagine X series borrows many design innovations from our multiple award-winning Imagine models that cost only one third as much! Much of the cost savings come from a simplified cabinet design, but other advancements have allowed us to bring a new level of performance to this price range.

**Imagine X2T Tower** – a true four-driver transitional speaker that utilizes a separate midrange driver in its own tuned enclosure for ideal dispersion and low distortion at high sound pressure levels.

**Imagine X1T Tower** – This dual-woofer transitional two-and-a-half way design features identical 5¼" woofers that work in tandem at the lowest frequencies but crossover at different frequencies to integrate better with room acoustics and give the optimum dispersion and power response.

**Imagine XB** – ideal for smaller rooms or in concert with a powered subwoofer for a compact full-range system.

**Imagine XC** – This centre channel is engineered to maximize performance in multi-channel systems.

**Imagine XA** – Dolby's new Atmos® system takes surround sound to a completely new level by adding the 3rd dimension of height to the sound mix. The Imagine XA Elevation Speaker creates 'phantom ceiling speaker locations' by reflecting sound off the ceiling at a precise angle.



Black Ash Wood Veneer



PSB Imagine XA Dolby Atmos Elevation Speaker  
with Imagine X1T and Imagine XC

## Imagine XA Dolby Atmos® Elevation Speaker

Take your home theatre experience to new heights with the Imagine XA Dolby Atmos Elevation Speaker. Specifically designed to be the height speaker in a Dolby Atmos surround system, the Imagine XA can be added to any existing floor-standing or bookshelf speaker to create a true, multi-dimensional sonic atmosphere that lets you feel all the excitement of your music and movies. Hear the rush of a jet fighter fly over you and the swift breeze of the wind through a high-up tree with life-like detail—just like you are there.



**Add Dolby Atmos To Your Existing Home Theatre System** – The Imagine XA is purpose-built to fit on top of PSB's Imagine X Series floor-standing and bookshelf speakers, creating a 5.1.2, 5.1.4, 7.1.2 or 7.1.4 Dolby Atmos system from your existing home theatre setup. It's also well suited to be wall-mounted as a stand-alone Dolby Atmos-enabled speaker, and adds a new overhead object based audio dimension to music and movie soundtracks.



**Advanced Vertically-Firing Driver Array** – Working with Dolby Laboratories, and using advanced acoustic research uncovered at Canada's famous National Research Council, PSB developed the Imagine XA with a very precise frequency and directivity response that perfectly matches Dolby's specs. Not only does this mean the Imagine XA's advanced driver technology and crossover design will produce the most lifelike Atmos experience, it also integrates perfectly with almost any home theatre system for the best possible object based 3D imaging.

The PSB Alpha B1 is exactly the kind of product this hobby needs—one that brings the High End down to earth, makes hi-fi attainable for just about everyone, and, beyond all, reminds us how much fun this hobby should be. The Alpha B1 has become my immediate recommendation for anyone seeking hi-fi advice. I'm proud to have a pair in my home. A simply sensational audio bargain. Thank you, Paul Barton.

— Stereophile



PSB Alpha B1 Bookshelf Speaker



**Alpha B1** – For those seeking a compact, cost effective speaker, yet do not want to compromise sound quality for space, the Alpha B1 Bookshelf Speakers are the answer. The B1 is the a descendent of the original Alpha bookshelf speaker, a budget product that turned the audio world on it's ear; it was named to Stereophile magazine's top 100 audio products of all time. The B1 follows that same recipe as the original Alpha: high value and high performance.



## Alpha Series – The Players

**Alpha PS1** – the PSB Alpha PS1 takes its most popular Alpha Series concept to an entirely new level by building a high performance amplifier into the left speaker to make a versatile desktop solution with enough acoustic output to rock a small to medium sized room.

**Alpha 1-100** – The Alpha PS1 and the SubSeries 100 subwoofer combine to create a complete media solution with jaw-dropping sound.

■ High Gloss Black



**Alpha VS21** – PSB has been creating award-winning home theatre speaker systems for decades, and the Alpha VS21 brings this extraordinary experience to the sound bar category. The Alpha VS21 is super simple to install and operate, and has amazing features like Bluetooth apt-X streaming, Dolby Late Night and Stereo & Widesound modes that propel it ahead of other TV sound solutions.

■ Black Ash Wood Veneer





PSB M4U Headphones



## M4U – Music for You Headphones

PSB gets up close and personal with your HiFi. We've taken over 40 years of bringing real sound to real people and packed it into our exciting M4U 4 headphones. Listen to music like never before. Comfort, style, and PSB's true-to-nature sound quality bring you so close to the music. It's like the music is meant just for you.

PSB's exclusive RoomFeel™ technology will make your music sound so rich and natural, you'll think you're listening to a set of high-end loudspeakers.

Listen longer in extra comfort. Our unique two-way adjustable ear pads are gyro-suspended for optimal ergonomics and supreme comfort. Super soft ear pads and light weight make the headphones "disappear", leaving only rich, detailed sound. The expandable headband also adjusts easily for a more customised fit.

**M4U 2** – Our M4U 2 Active Noise Cancelling Headphones don't let anything come between you and your music. The M4U 2 model features three convenient modes of operation: Active Noise Cancellation (ANC), Active Mode, and Passive Mode (without batteries). Listen all day and all night with 55 hours of run time in ANC or Active modes. When you're out of batteries, switch to Passive Mode without missing a beat.

■ □ Available in Black Diamond and Arctic White\*

**M4U 1** – these passive mode headphones are designed to give you the experience of RoomFeel, but without all the fuss. Just put them on and enjoy. No batteries or switches necessary. Just pure simple sound. Like all PSB designs, the M4U 1 model emphasizes true-to-nature sound that doesn't take anything away from the musical performance.

■ ■ ■ Available in Black Diamond, Monza Red and Baltic Grey\*

\*Some finishes may not be available in all countries.



PSB M4U 4 High Performance In-Ear Monitors



## M4U – Music for You Headphones

It's the latest addition to our popular M4U Headphone Series with PSB's very own innovative RoomFeel technology that has won praise throughout the world.

**M4U 4** – Features a two-way Hybrid Dual-Driver System of dynamic and balanced armature drivers with crossover for true HiFi listening.

These small and lightweight portable in-ear monitors are also designed for convenience for people on the move. The comfortable low-profile ergonomic design and around-the-ear cable placement ensures that the M4U 4s stay in place for active listeners. Two fully detachable cables are included, one with a 3-button Apple® remote with microphone for answering and making phone calls.

The M4U 4 is supplied with Comply™ Foam Tx-200 Series Eartips with wax guard for perfect in-ear fit and comfort. Made with high-tech, super-soft memory foam that is heat-sensitive and breathable, the Comply™ Foam Tx-200 Series Eartips conform to the dynamic shape of the ear canal. The foam's passive noise-reduction technology seals out unwanted ambient noise and pours pure music directly into your ears, without leaking bass. These eartips are extraordinarily soft and comfortable for long-term wear. Simply enjoy clear, crisp sound.

■ □ Available in Black Diamond and Arctic White\*

\*Some finishes may not be available in all countries.



PSB SubSeries 150 Subwoofer

## SubSeries Subwoofers

Our PSB engineers place particular emphasis on the overall musicality of our award-winning subwoofers to add that desired excitement to music and cinema experiences. While most of our speakers produce substantial bass, by placing the deep bass system into its own enclosure we can tailor the necessary elements in an efficient package and utilise them for best performance.

**SubSeries 450** – The newest member of the SubSeries family. The 450 is a DSP-controlled subwoofer housed in a unique cabinet with exposed diaphragms that facilitate air compression and movement for deceptively compact but powerful bass. This is a top-of-the-line product with signature PSB sound: low bass extension with low distortion, freedom from overload, and ideal crossover characteristics.

**SubSeries 150** – We’ve reimagined the subwoofer. Most subwoofers are large cubic forms that don’t often fit very well in a living room. The SubSeries 150 on the other hand, is a compact, slim, rectangular shape, allowing it to slip in easily beside, behind, or underneath living room furniture. This versatile and decor-friendly design with a beautiful curved glass black cabinet also offers several clever installation options.

**SubSeries 100** – This compact powered subwoofer may be small, but it’s got plenty of might. Ideally suited for bringing full range sound to smaller rooms and to complement smaller speakers, this powered wonder is a plug ‘n play solution that completes any home theatre, desktop audio, or game station audio system.

**SubSeries 300** – The first in a new line of subwoofer designs to be powered by NAD Electronics’ sophisticated, high efficiency amplifier. The SubSeries 300 offers a winning combination of power, high impact bass, and musicality.

**SubSeries 200** – An energy efficient subwoofer powered by a custom-designed NAD amplifier in a small-scale design. In addition to PSB Speakers “smart bass” circuitry, the SubSeries 200 offers extensive musicality and high-powered bass impact.

**SubSeries 125** – Building on its larger SubSeries models, the SubSeries 125 brings a new level of performance and value to the subwoofer category. Although it’s compact and unobtrusive, it provides the kind of high-impact performance associated with many bigger and more expensive subwoofers.





PSB-CS1000 Universal Speaker



## CustomSound Series – Universal Speakers

**CS500 and CS1000 Universal Speakers** – Get outside and enjoy life-like music with PSB's series of rugged, all-weather, universal indoor and outdoor speakers. Durable enough to withstand extreme weather conditions, these speakers are also built for commercial installations.





PSB CustomSound W-LCR In-wall

## CustomSound Series – Built-ins

**W-LCR2 In-wall Left/Centre/Right** – A true 3-way loudspeaker design employing two of the 5¼" woofers along with a 4" midrange speaker that seamlessly transitions to the 1" titanium dome tweeter. The midrange and tweeter are on rotatable sub-assembly to allow for uniform dispersion whether the speaker is oriented vertically or horizontally.

**W-LCR In-wall Left/Centre/Right** – A smaller two-way design employing two 5¼" clay-filled polypropylene woofers and a 1" titanium dome tweeter.

**C-LCR In-ceiling Left/Centre/Right** – Drivers on an angled baffle in a deeper box to allow the proper dispersion required to create a nice three-dimensional sound stage when recessed into the ceiling.

**C-SUR In-ceiling** – Each woofer/tweeter pair has its own crossover and input, a single CustomSound C-SUR can be used for both the surround and surround back channels providing an ideal solution for a 7.1 theatre in smaller rooms. Three configurations are possible: bi-pole, di-pole and two-channel.

**CS610, CS630, CS650** – In-ceiling speakers that disappear from sight, but envelop you in sound. These speakers come with interchangeable square and round grills with magnetic attachment to match the surrounding décor.



# Imagine Series

|                           | Imagine T3<br>Tower  | Imagine C3<br>Centre   | Imagine T2<br>Tower  | Imagine T<br>Tower   | Imagine B<br>Bookshelf   | Imagine C<br>Centre  | Imagine S<br>Surround  |
|---------------------------|--|--|--|--|--|--|--|
| <b>Frequency Response</b> | (Anechoic Chamber)   |  |  |  |  |  |  |
| On Axis @ 0°±3dB          | 24-23,000Hz  | 48-23,000Hz  | 34-23,000Hz  | 38-23,000Hz  | 52-23,000Hz  | 52-23,000Hz  | 65-23,000Hz  |
| On Axis @ 0°±1 1/2dB      | 30-20,000Hz  | 50-20,000Hz  | 36-20,000Hz  | 42-20,000Hz  | 55-20,000Hz  | 55-20,000Hz  | 68-20,000Hz  |
| Off Axis @ 30°±1 1/2dB    | 30-10,000Hz  | 50-10,000Hz  | 36-10,000Hz  | 42-10,000Hz  | 55-10,000Hz  | 55-10,000Hz  | 68-10,000Hz  |
| LF Cutoff -10dB           | 20Hz   | 40Hz   | 29Hz   | 35Hz   | 48Hz   | 46Hz   | 58Hz   |
| <b>Sensitivity</b>        | (1W (2.83V) @ 1M, IEC-Filtered pink noise, C-weighted)   |  |  |  |  |  |  |
| Anechoic Chamber          | 89dB   | 89dB   | 88dB   | 88dB   | 87dB   | 87dB   | 87dB   |
| Listening Room            | 91dB   | 91dB   | 90dB   | 90dB   | 89dB   | 89dB   | 89dB   |
| <b>Impedance</b>          |  |  |  |  |  |  |  |
| Nominal                   | 8 Ohms   | 8 Ohms   | 8 Ohms   | 8 Ohms   | 8 Ohms   | 8 Ohms   | 8 Ohms   |
| Minimum                   | 4 Ohms   | 4 Ohms   | 4 Ohms   | 4 Ohms   | 4 Ohms   | 4 Ohms   | 4 Ohms Bipole/Dipole   |
| <b>Input Power</b>        | (RMS, Clipping <10% Time)  |  |  |  |  |  |  |
| Recommended Program       | 20 - 300 Watts<br>300 Watts  | 20 - 200 Watts<br>200 Watts  | 20 - 300 Watts<br>300 Watts  | 20 - 200 Watts<br>200 Watts  | 20 - 150 Watts<br>150 Watts  | 20 - 150 Watts<br>150 Watts  | 20 - 150 Watts<br>150 Watts  |
| <b>Acoustic Design</b>    |  |  |  |  |  |  |  |
| Tweeter (Nominal)         | 1" (25mm)<br>Titanium Dome with Ferrofluid<br>Neodymium Magnet                                       | 1" (25mm)<br>Titanium Dome with Ferrofluid<br>Neodymium Magnet                                       | 1" (25mm)<br>Titanium Dome with Ferrofluid<br>Neodymium Magnet                         | 1" (25mm)<br>Titanium Dome with Ferrofluid<br>Neodymium Magnet                         | 1" (25mm)<br>Titanium Dome with Ferrofluid<br>Neodymium Magnet                     | 1" (25mm)<br>Titanium Dome with Ferrofluid<br>Neodymium Magnet                         | 2 x 1" (25mm)<br>Titanium Dome with Ferrofluid<br>Neodymium Magnet                     |
| Midrange (Nominal)        | 5 1/4" (133mm)<br>Compressed Felt/Fiberglass Cone with<br>Mastic Compound Coating<br>Rubber Surround | 3 1/4" (84mm)<br>Compressed Felt/Fiberglass Cone with<br>Mastic Compound Coating<br>Rubber Surround  | 4" (102mm)<br>Clay/Ceramic reinforced<br>Polypropylene Cone<br>Rubber Surround         |  |  |  |  |
| Woofers (Nominal)         | 3 x 7" (178mm)<br>Compressed Felt/Fiberglass Cone with<br>Mastic Compound Coating<br>Rubber Surround | 2 x 7" (178mm)<br>Compressed Felt/Fiberglass Cone with<br>Mastic Compound Coating<br>Rubber Surround | 3 x 5 1/4" (133mm)<br>Clay/Ceramic reinforced<br>Polypropylene Cone<br>Rubber Surround | 2 x 5 1/4" (133mm)<br>Clay/Ceramic reinforced<br>Polypropylene Cone<br>Rubber Surround | 5 1/4" (133mm)<br>Clay/Ceramic reinforced<br>Polypropylene Cone<br>Rubber Surround | 2 x 5 1/4" (133mm)<br>Clay/Ceramic reinforced<br>Polypropylene Cone<br>Rubber Surround | 2 x 5 1/4" (133mm)<br>Clay/Ceramic reinforced<br>Polypropylene Cone<br>Rubber Surround |
| Crossover                 | 450Hz, B3, 1,800Hz LR4   | 500Hz, B3, 1,800Hz LR4   | 500Hz, LR4, 1,800Hz, LR4   | 1,800Hz, LR4, 800Hz  | 1,800Hz, LR4   | 1,800Hz, LR4   | 2,000Hz, B3  |
| Internal Volume           | 1.88 cu ft (53.1L)   | 0.84 cu ft (23.9L)   | 1.12 cu ft (31.8L)   | 1.0 cu ft (29L)  | 0.27 cu ft (7.7L)  | 0.54 cu ft (15.4L)   | 0.22 cu ft (6.2L)  |
| Design Type               | Transitional 5-way Triple Port Bass<br>Reflex  | Bass Reflex  | Transitional 5-way<br>Triple Port Bass Reflex  | Dual Port Bass Reflex  | Bass Reflex  | Bass Reflex  | Sealed   |
| <b>Size (W x H x D)</b>   | (Gross Dimensions)   |  |  |  |  |  |  |
|                           | 11 1/2 x 47 5/8 x 15 1/8" *<br>292 x 1208 x 382mm  | 24 1/2 x 9 1/4 x 13 5/8" *<br>622 x 235 x 346mm  | 8 3/8 x 40 5/8 x 13 5/8" *210 x<br>1031 x 346mm  | 8 3/8 x 37 1/4 x 13 5/8" *<br>210 x 945 x 346mm  | 7 1/2 x 12 7/8 x 12 1/8" *<br>190 x 324 x 305mm                                    | 20 5/8 x 7 1/2 x 13 5/8" *<br>521 x 190 x 346mm  | 10 3/4 x 12 3/4 x 7 1/8" *<br>273 x 321 x 178mm  |
| <b>Weight</b>             |  |  |  |  |  |  |  |
| Net Shipping              | 71lb (32.3kg)/each<br>97.2lb (44.2kg)/each   | 33.5lb (15.2kg)/each<br>43.8lb (19.9kg)/each   | 42.6lb (19.4kg)/each<br>59lb (26.8kg)/each   | 40.6lb (18.5kg)/each<br>47.8lb (21.7kg)/each   | 17.2lb (7.8kg)/each<br>38lb (17.3kg)/pair  | 26.8lb (12.2kg)/each<br>30lb (13.6kg)/each   | 16.3lb (7.4kg)/each<br>37lb (16.8kg)/pair  |
| <b>Finish</b>             |  |  |  |  |  |  |  |
|                           | High Gloss Black or High Gloss Cherry<br>Real Wood Veneer**  | High Gloss Black or High Gloss Cherry<br>Real Wood Veneer**  | Black Ash, Dark Cherry Real Wood<br>Veneer or Gloss Black **                           | Black Ash, Dark Cherry, Walnut Real<br>Wood Veneer, Gloss Black or Gloss<br>White**    | Black Ash or Dark Cherry Real Wood<br>Veneer **                                    | Black Ash, Dark Cherry Real Wood<br>Veneer or Gloss White**                            | Black Ash, Dark Cherry, Walnut Real<br>Wood Veneer, Gloss Black or Gloss<br>White**    |

\* Non-metric measurements are approximate.

\*\* Some finishes may not be available in all models and/or all countries.  
All specifications are subject to change without notice.

# Imagine Series Continued

|                           | Imagine mini<br>Bookshelf   | Imagine mini c<br>Centre  | Imagine W3<br>On-wall   | Imagine W3<br>On-wall   | Imagine W1<br>On-wall                           |
|---------------------------|---|---|---|---|---|
| <b>Frequency Response</b> | (Anechoic Chamber)  |   | Centre  | Left/Right  |   |
| On Axis @ 0°±3dB          | 55-23,000Hz   | 55-23,000Hz   | 100-23,000Hz  | 90-23,000Hz   | 90-23,000Hz                                     |
| On Axis @ 0°±1 1/2dB      | 65-20,000Hz   | 65-20,000Hz   | 110-20,000Hz  | 100-20,000Hz  | 100-20,000Hz                                    |
| Off Axis @ 30°±1 1/2dB    | 65-10,000Hz   | 65-10,000Hz   | 110-10,000Hz  | 100-10,000Hz  | 100-10,000Hz                                    |
| LF Cutoff -10dB           | 50Hz  | 50Hz  | 85Hz  | 70Hz  | 70Hz  |
| <b>Sensitivity</b>        | (1W (2.83V) @ 1M, IEC-Filtered pink noise, C-weighted)                |   |   |   |   |
| Anechoic Chamber          | 85dB  | 86dB  | 88dB  | 85dB  | 87dB  |
| Listening Room            | 87dB  | 88dB  | 90dB  | 87dB  | 89dB  |
| <b>Impedance</b>          |   |   |   |   |   |
| Nominal                   | 8 Ohms  | 8 Ohms  | 8 Ohms  | 8 Ohms  | 8 Ohms  |
| Minimum                   | 4 Ohms  | 4 Ohms  | 4 Ohms  | 6 Ohms (per channel)  | 6 Ohms  |
| <b>Input Power</b>        | (RMS, Clipping <10% Time)   |   |   |   |   |
| Recommended Program       | 10 - 80 Watts<br>60 Watts   | 10 - 80 Watts<br>60 Watts   | 10-80 Watts<br>60 Watts (per channel)   | 10-80 Watts<br>60 Watts   | 10-80 Watts<br>60 Watts                         |
| <b>Acoustic Design</b>    |   |   |   |   |   |
| Tweeter (Nominal)         | 1" (25mm) Titanium Dome with Ferrofluid Neodymium Magnet              | 1" (25mm) Titanium Dome with Ferrofluid Neodymium Magnet                  | 3 x 1" (25mm) Titanium Dome with Ferrofluid 1 per channel   | 1" (25mm) Titanium Dome with Ferrofluid                                   |   |
| Woofers (Nominal)         | 4" (102mm) Clay/Ceramic reinforced Polypropylene Cone Rubber Surround | 2 x 4" (102mm) Clay/Ceramic reinforced Polypropylene Cone Rubber Surround | 4 x 4" (102mm) Clay/Ceramic reinforced Polypropylene Cone Rubber Surround 2 for the centre channel 1 per side channel | 2 x 4" (102mm) Clay/Ceramic reinforced Polypropylene Cone Rubber Surround |   |
| Crossover                 | 2,200Hz, LR4  | 2,200Hz, LR4  | 2100Hz LR4  | 2000Hz LR4  | 2300Hz LR4                                      |
| Internal Volume           | 0.1 cu ft (2.8L)  | 0.21 cu ft (6.0L)   | 0.16 cu ft (4.5 Litres)   |   | 0.10 cu ft (2.9 Litres)                         |
| Design Type               | Bass Reflex   | Bass Reflex   | Passive Radiator  |   | Passive Radiator                                |
| <b>Size (W x H x D)</b>   | (Gross Dimensions)  |   |   |   |   |
|                           | 5 3/4 x 9 1/4 x 8 3/8" *<br>143 x 234 x 212mm                         | 14 x 6 x 8 1/2" *<br>353 x 152 x 213mm                                    | 46 x 5 1/2 x 3 1/8" *<br>(1168 x 140 x 80mm)  |   | 27 1/2 x 5 1/2 x 3 1/4" *<br>(700 x 140 x 82mm) |
| <b>Weight</b>             |   |   |   |   |   |
| Net Shipping              | 6.5lb (3kg)/each<br>15.5lb (7kg)/pair                                 | 9.8lb (4.5kg)/each<br>12.3lb (5.6kg)/each                                 | 15.4lb (7kg)/each<br>22.7lb (10.3kg)/each   |   | 9.33lb (4.24kg)/each<br>14.9lb (6.77kg)/each    |
| <b>Finish</b>             |   |   |   |   |   |
|                           | Black Ash, Dark Cherry Real Wood Veneer, Gloss Black or Gloss White** | Dark Cherry, Walnut Real Wood Veneer, Gloss Black or Gloss White**        | High Gloss Black  |   | High Gloss Black                                |

\* Non-metric measurements are approximate.

\*\* Some finishes may not be available in all models and/or all countries. All specifications are subject to change without notice.

# M4U Headphones

|  | M4U 4<br>In-Ear Monitors                               | M4U 2<br>Headphone                           | M4U 1<br>Headphone                           |
|--|--|--|--|
| <b>Frequency Response</b>                    |  |  |  |
| LF Cutoff -10dB                              | 10-20,000Hz  | 10-25,000Hz                                  | 10-20,000Hz                                  |
| LF Cutoff -3dB                               | 15-20,000Hz  | 15-20,000Hz                                  | 15-20,000Hz                                  |
| Within ±1 1/2dB                              | 20-20,000Hz  | 20-20,000Hz                                  | 20-20,000Hz                                  |
| <b>Sensitivity</b>                           |  |  |  |
| 1kHz/1mW                                     | 102dB  | 102dB  | 102dB  |
| <b>Power Handling</b>                        |  |  |  |
| Maximum                                      | 10mW   | 30mW   | 30mW   |
| <b>Impedance</b>                             |  |  |  |
| Passive                                      | 16 Ohms  | 32 Ohms                                      | 32 Ohms                                      |
| Active/ANC                                   |  | 10k Ohms                                     | —  |
| <b>Transducer</b>                            |  |  |  |
| Type   | Hybrid Dynamic & Balance Armature                      | Dynamic                                      | Dynamic                                      |
| Operating Principle                          | Vented   | Closed                                       | Closed                                       |
| Size   | 8mm Dynamic Single BA                                  | 40mm   | 40mm   |
| <b>Ear Coupling</b>                          |  |  |  |
|  | In-Ear   | Circumaural                                  | Circumaural                                  |
| <b>Connection</b>                            |  |  |  |
|  | 3.5mm (1/8") Stereo Jack                               | 3.5mm (1/8") Stereo Jack (Left or Right)     | 3.5mm (1/8") Stereo Jack (Left or Right)     |
| <b>Construction</b>                          |  |  |  |
| Headband                                     |  | Polycarbonate                                | Polycarbonate                                |
| Driver Enclosure                             |  | ABC+Polycarbonate                            | ABC+Polycarbonate                            |
| Earpads/Headpad Cover                        | ABS  | Leatherette                                  | Leatherette                                  |
| Travel Case                                  | Comply Foam Tx-200 & Silicon Eartips EVA               | EVA  | EVA  |
| <b>Size (W x H x D)</b>                      |  |  |  |
| Overall                                      | 4 7/16 x 2 3/4 x 1" * (Travel Case)<br>110 x 70 x 25mm | 7 7/8 x 7 7/8 x 2 7/8" *<br>200 x 200 x 70mm | 7 7/8 x 7 7/8 x 2 7/8" *<br>200 x 200 x 70mm |
| Ear Cushion Outside                          |  | 2 3/4 x 3 7/8 x 3/4"<br>68 x 98 x 17mm       | 2 3/4 x 3 7/8 x 3/4"<br>68 x 98 x 17mm       |
| <b>Weight</b>                                |  |  |  |
|  | 0.9oz (25g) with cable                                 | 12.8oz (362g) with Batteries                 | 12oz (340g)                                  |
| <b>Finish</b>                                |  |  |  |
|  | Black Diamond or Arctic White                          | Black Diamond or Arctic White                | Black Diamond, Baltic Grey or Monza Red      |
| <b>Battery Life</b>                          |  |  |  |
|  | —  | 55 hours                                     | —  |
| <b>Cables</b>                                |  |  |  |
| Push Function/Monitor Cable or Monitor Cable | 1.2m (47")<br>Detachable Tangle-free                   | 1.5m (59")<br>Detachable Tangle-free         | —  |
| Push Function Cable or Apple Control         | 1.2m (47")<br>Detachable Tangle-free                   | —  | 1.5m (59")<br>Detachable Tangle-free         |

# Imagine X Series

# Alpha Series

|                           | Imagine X2T<br>Tower   | Imagine X1T<br>Tower   | Imagine XB<br>Bookshelf  | Imagine XC<br>Centre   | Imagine XA<br>Dolby Atmos® Enabled Certified   | Alpha T1<br>Tower  | Alpha B1<br>Bookshelf  |
|---------------------------|--|--|--|--|--|--|--|
| <b>Frequency Response</b> | (Anechoic Chamber)   |  |  |  |  |  |  |
| On Axis @ 0°±3dB          | 30-23,000Hz  | 35-23,000Hz  | 55-23,000Hz  | 50-23,000Hz  | 100 - 23000Hz  | 55-21,000Hz  | 65-21,000Hz  |
| On Axis @ 0°±1 1/2dB      | 40-20,000Hz  | 48-20,000Hz  | 70-20,000Hz  | 65-20,000Hz  | NA   | 65-10,000Hz  | 65-10,000Hz  |
| Off Axis @ 30°±1 1/2dB    | 45-10,000Hz  | 48-10,000Hz  | 70-10,000Hz  | 65-10,000Hz  | NA   | 45Hz   | 65-10,000Hz  |
| LF Cutoff -10dB           | 28Hz   | 30Hz   | 50Hz   | 45Hz   | 60Hz   |  | 55Hz   |
| <b>Sensitivity</b>        | (1W (2.83V) @ 1M, IEC-Filtered pink noise, C-weighted)   |  |  |  |  |  |  |
| Anechoic Chamber          | 88dB   | 88dB   | 87dB   | 88dB   | 85dB   | 89dB   | 89dB   |
| Listening Room            | 90dB   | 90dB   | 89dB   | 90dB   | 87dB   | 91dB   | 91dB   |
| <b>Impedance</b>          |  |  |  |  |  |  |  |
| Nominal                   | 8 Ohms   | 8 Ohms   | 8 Ohms   | 8 Ohms   | 8 Ohms   | 8 Ohms   | 8 Ohms   |
| Minimum                   | 4 Ohms   | 4 Ohms   | 4 Ohms   | 4 Ohms   | 4 Ohms   | 6 Ohms   | 4 Ohms   |
| <b>Input Power</b>        | (RMS, Clipping <10% Time)  |  |  |  |  |  |  |
| Recommended Program       | 20 - 200 Watts<br>200 Watts  | 20 - 200 Watts<br>200 Watts  | 20 - 150 Watts<br>150 Watts  | 20 - 150 Watts<br>150 Watts  | 10 - 80 Watts<br>60 Watts  | 15 - 120 Watts<br>60 Watts   | 10 - 90 Watts<br>60 Watts  |
| <b>Acoustic Design</b>    |  |  |  |  |  |  |  |
| Tweeter (Nominal)         | 1" (25mm)<br>Titanium Dome with Ferrofluid<br>Neodymium Magnet   | 1" (25mm)<br>Titanium Dome with Ferrofluid<br>Neodymium Magnet   | 1" (25mm)<br>Titanium Dome with Ferrofluid<br>Neodymium Magnet   | 1" (25mm)<br>Titanium Dome with Ferrofluid<br>Neodymium Magnet   | 1" (25mm)<br>Titanium Dome with Ferrofluid<br>Neodymium Magnet   | 3/4" (19mm)<br>Aluminium Dome<br>with Ferrofluid                         | 3/4" (19mm)<br>Aluminium Dome<br>with Ferrofluid                     |
| Midrange (Nominal)        | 5 1/4" (133mm)<br>Injection Moulded Fibre reinforced<br>Polypropylene Cone<br>Rubber Surround / Dual Magnet            |  |  |  |  |  |  |
| Woofer (Nominal)          | 2 x 6 1/2" (165mm)<br>Injection Moulded Clay/Ceramic reinforced<br>Polypropylene Cone<br>Rubber Surround / Dual Magnet | 2 x 5 1/4" (133mm)<br>Injection Moulded Clay/Ceramic reinforced<br>Polypropylene Cone<br>Rubber Surround / Dual Magnet | 5 1/4" (133mm)<br>Injection Moulded Clay/Ceramic reinforced<br>Polypropylene Cone<br>Rubber Surround / Dual Magnet | 2 x 5 1/4" (133mm)<br>Injection Moulded Clay/Ceramic reinforced<br>Polypropylene Cone<br>Rubber Surround / Dual Magnet | 4" (102mm)<br>Clay/Ceramic reinforced Injection<br>Molded Polypropylene Cone<br>Rubber Surround / Turbo Magnet | 2 x 5 1/4" (133mm)<br>Metalized<br>Polypropylene Cone<br>Rubber Surround | 5 1/4" (133mm)<br>Metalized<br>Polypropylene Cone<br>Rubber Surround |
| Crossover                 | 2,200Hz, LR4, 500Hz, B3  | 1,800Hz, LR4, 800Hz  | 1,800Hz, LR4   | 1,800Hz, LR4   | 2,000Hz, B3  | 3,000Hz, B3  | 3,000Hz, B3  |
| Internal Volume           | 1.93 cu ft (54.7L)   | 1.42 cu ft (40.2L)   | 0.32 cu ft (9.1L)  | 0.58 cu ft (16.4L)   | TBD  | 1.19 cu ft (33.4L)   | 0.29 cu ft (8.0L)  |
| Design Type               | 3-Way Sealed Mid-Range Chamber<br>Dual Port Bass Reflex  | Bass Reflex Front Port   | Bass Reflex Rear Port  | Bass Reflex Rear Port  | Sealed   | Bass Reflex<br>2 3/4" (70mm) Rear Port                                   | Bass Reflex<br>1 1/2" (70mm) Rear Port                               |
| <b>Size (W x H x D)</b>   | (Gross Dimensions)   |  |  |  |  |  |  |
|                           | 9 x 40 1/8 x 17 5/8" *<br>227 x 1036 x 446mm   | 8 1/4 x 34 1/2 x 15 5/8" *<br>208 x 874 x 395mm  | 6 3/4 x 12 x 10 3/4" *<br>170 x 302 x 271mm  | 19 1/8 x 6 3/4 x 11 1/8" *<br>485 x 170 x 280mm  | 6 5/8 x 35 3/4 x 12 3/16" *<br>168 x 173 x 265mm   | 7 1/8 x 6 7/8 x 12 1/4" *<br>178 x 907 x 310mm                           | 7 1/8 x 11 7/8 x 9 3/4" *<br>178 x 299 x 247mm                       |
| <b>Weight</b>             |  |  |  |  |  |  |  |
| Net                       | 52lb (23.6kg)/each   | 38lb (17.3kg)/each   | 12.3lb (5.6kg)/each  | 19.8lb (9kg)/each  | 6.5lb (2.9kg)/each   | 29lb (13.2kg)/each   | 10.2lb (4.6kg)/each  |
| Shipping                  | 65lb (29.5kg)/each   | 45.3lb (20.6kg)/each   | 27.7lb (12.6kg)/pair   | 22.2lb (10.1kg)/each   | 15.6lb (7.1kg)/each  | 72.2lb (32.8kg)/pair   | 22.4lb (10.2kg)/pair   |
| <b>Finish</b>             |  |  |  |  |  |  |  |
|                           | Black Ash  | Black Ash  | Black Ash  | Black Ash  | Black Ash  | Black Ash, Sienna,<br>or Dark Cherry**                                   | Black Ash, Sienna,<br>or Dark Cherry**                               |

\* Non-metric measurements are approximate.

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# CustomSound

|                           | <b>CS1000</b><br>Universal Loudspeaker                                    | <b>CS500</b><br>Universal Loudspeaker                                     |                           | <b>W-LCR2</b><br>In-Wall  | <b>W-LCR</b><br>In-Wall   | <b>C-LCR</b><br>In-Ceiling  | <b>C-SUR</b><br>In-Ceiling  | <b>CS650</b><br>In-Ceiling  | <b>CS630</b><br>In-Ceiling  | <b>CS610</b><br>In-Ceiling  |
|---------------------------|---|---|---------------------------|---|---|---|---|---|---|---|
| <b>Frequency Response</b> | (Anechoic Chamber)  |   | <b>Frequency Response</b> |   |   |   |   |   |   |   |
| On Axis @ 0°±3dB          | 45-23,000Hz   | 63-23,000Hz   | On Axis @ 0°±3dB          | 65-23,000Hz   | 70-23,000Hz   | 65-23,000Hz   | 70-23,000Hz   | 48-20,000kHz  | 50-20,000kHz  | 50-20,000Hz   |
| On Axis @ 0°±1 1/2dB      | 59-20,000Hz   | 65-20,000Hz   | On Axis @ 0°±1 1/2dB      | 70-20,000Hz   | 75-20,000Hz   | 70-20,000Hz   | 75-20,000Hz   |   |   |   |
| Off Axis @ 30°±1 1/2dB    | 59-10,000Hz   | 65-10,000Hz   | Off Axis @ 30°±1 1/2dB    |   |   |   |   |   |   |   |
| LF Cutoff -10dB           | 40Hz  | 50Hz  | LF Cutoff -10dB           | 50Hz  | 62Hz  | 50Hz  | 65Hz  |   |   |   |
| <b>Sensitivity</b>        | (1W (2.83V) @ 1M, IEC-Filtered pink noise, C-weighted)                    |   | <b>Sensitivity</b>        |   |   |   |   |   |   |   |
| Anechoic Chamber          | 86dB  | 85dB  | Anechoic Chamber          | 87dB  | 89dB  | 88dB  | 89dB  | 86dB  | 85dB  | 85dB  |
| Listening Room            | 88dB  | 87dB  | Listening Room            | 89dB  | 91dB  | 90dB  | 91dB  | 88dB  | 87dB  | 87dB  |
| <b>Impedance</b>          |   |   | <b>Impedance</b>          |   |   |   |   |   |   |   |
| Nominal                   | 8 Ohms  | 8 Ohms  | Nominal                   | 6 Ohms  | 6 Ohms  | 6 Ohms  | 6 Ohms  | 6 Ohms  | 10 Ohms   | 6 Ohms  |
| Minimum                   | 6 Ohms  | 6 Ohms  | Minimum                   | 4 Ohms  | 4 Ohms  | 4 Ohms  | 4 Ohms  | 4 Ohms  | 8 Ohms  | 4 Ohms  |
| <b>Input Power</b>        | (RMS, Clipping <10% Time)   |   | <b>Input Power</b>        |   |   |   |   |   |   |   |
| Recommended Program       | 20 - 150 Watts<br>150 Watts   | 20 - 120 Watts<br>120 Watts   | Recommended Program       | 20 - 200 Watts<br>200 Watts   | 20 - 150 Watts<br>150 Watts   | 20 - 150 Watts<br>150 Watts   | 20 - 150 Watts<br>150 Watts   | 10 - 100 Watts  | 10 - 100 Watts  | 10 - 100 Watts  |
| <b>Acoustic Design</b>    |   |   | <b>Acoustic Design</b>    |   |   |   |   |   |   |   |
| Tweeter (Nominal)         | 1" (25mm) Titanium Dome with Ferrofluid Neodymium Magnet                  | 1" (25mm) Titanium Dome with Ferrofluid Neodymium Magnet                  | Tweeter (Nominal)         | 1" (25mm) Titanium Dome with Ferrofluid                                       | 1" (25mm) Titanium Dome with Ferrofluid                                       | 1" (25mm) Titanium Dome with Ferrofluid                                       | 2 x 1" (25mm) Titanium Dome with Ferrofluid                                   | 1" (25mm) Titanium Dome with Ferrofluid   | 2 x 3/4" (19mm) Aluminum Dome Black anodized  | 3/4" (19mm) Aluminum Dome Black Anodized  |
| Midrange (Nominal)        |   |   | Midrange (Nominal)        | 4" (102mm) Clay/Ceramic reinforced Polypropylene Cone Rubber Surround         |   |   |   |   |   |   |
| Woofers (Nominal)         | 6 1/2" (165mm) Clay/Ceramic reinforced Polypropylene Cone Rubber Surround | 5 1/4" (133mm) Clay/Ceramic reinforced Polypropylene Cone Rubber Surround | Woofers (Nominal)         | 2 x 5 1/4" (133mm) Clay/Ceramic reinforced Polypropylene Cone Rubber Surround | 2 x 5 1/4" (133mm) Clay/Ceramic reinforced Polypropylene Cone Rubber Surround | 2 x 5 1/4" (133mm) Clay/Ceramic reinforced Polypropylene Cone Rubber Surround | 2 x 5 1/4" (133mm) Clay/Ceramic reinforced Polypropylene Cone Rubber Surround | 6 1/2" (165mm) Fiber filled Injection Molded Polypropylene Cone / Rubber Surround | 6 1/2" (165mm) Fiber filled Injection Molded Polypropylene Cone / Rubber Surround Dual Voice Coil | 6 1/2" (165mm) Fiber filled Injection Molded Polypropylene Cone / Rubber Surround |
| Crossover                 | 2,200Hz, LR4  | 1,800Hz, LR4  | Crossover                 | 370Hz, 2200Hz LR4   | 1700Hz, LR4   | 1750Hz, LR4   | 1500Hz, LR4   | 1800Hz, LR4   | 2100Hz, LR4   | 2100Hz, LR4   |
| Internal Volume           | 0.3 cu ft (8.5L)  | 0.2 cu ft (5L)  | Internal Volume           | 0.28 cu ft (6.46L)  | 0.12 cu ft (3.48L)  | 0.36 cu ft (10.24L)   | 0.4 cu ft (11.2L)   | N/A   | N/A   | N/A   |
| Design Type               | Bass Reflex<br>(Gross Dimensions)   | Sealed  | Design Type               | Sealed  | Sealed  | Sealed  | Sealed  | Open Back   | Open Back   | Open Back   |
| <b>Size (W x H x D)</b>   |   |   | <b>Size (W x H x D)</b>   |   |   |   |   |   |   |   |
|                           | 9 1/4" x 12 1/4" x 11 3/4" *<br>235 x 310 x 296mm                         | 7 7/8" x 10 5/8" x 9 7/8" *<br>196 x 268 x 248mm                          | Cutout Dimensions         | 10 x 23" *<br>(253 x 585mm)   | 9 3/16 x 14 3/8" *<br>(233 x 365mm)   | 13 3/16 x 13 3/16" *<br>(335 x 335mm)   | 13 3/16 x 13 3/16" *<br>(335 x 335mm)   | 8 3/8" * Diameter<br>(212mm) Diameter   | 8 3/8" * Diameter<br>(212mm) Diameter   | 8 3/8" * Diameter<br>(212mm) Diameter   |
|                           |   |   | Mounting Depth            | 3 3/4" * (95mm)   | 3 3/4" * (95mm)   | 7 3/4" (196mm) *  | 7 3/4" * (196mm) *  |   |   |   |
|                           |   |   | Grille Dimensions         | 11 1/2 x 24 5/8 x 3/8" *<br>(292 x 624 x 7mm)                                 | 10 3/4 x 16 x 3/8" *<br>(273 x 406 x 7mm)                                     | 14 3/4 x 14 3/4 x 3/8" *<br>(373 x 373 x 7mm)                                 | 14 3/4 x 14 3/4 x 3/8" *<br>(373 x 373 x 7mm)                                 |   |   |   |
| <b>Weight</b>             |   |   | <b>Weight</b>             |   |   |   |   |   |   |   |
| Net Shipping              | 10lb (4.5kg)/each<br>24lb (11kg)/pair                                     | 7lb (3.2kg)/each<br>18lb (8kg)/pair                                       | Net Shipping              | 17.6lb (8.8kg)/each<br>24lb (10.9kg)/pair                                     | 11.7lb (5.3kg)/each<br>15lb (6.8kg)/each                                      | 17.6lb (8.8kg)/each<br>24lb (10.9kg)/each                                     | 17.6lb (8.8kg)/each<br>24lb (10.9kg)/each                                     | 4.6lb (2.1kg)/each  | 4.8lb (2.2kg)/each  | 4.4lb (2kg)/each  |
| <b>Finish</b>             |   |   | <b>Finish</b>             |   |   |   |   |   |   |   |
|                           | Black or White**  | Black or White**  |                           | White   | White   | White   | White   | White   | White   | White   |

\* Non-metric measurements are approximate.

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# Powered Speakers

|                                     | SubSeries 450<br>Subwoofer  | SubSeries 300<br>Subwoofer   | SubSeries 200<br>Subwoofer   | SubSeries 150<br>Subwoofer                              | SubSeries 125<br>Subwoofer  | SubSeries 100<br>Subwoofer   | PS1<br>Powered Speaker  | VS21<br>VisionSound                                |
|-------------------------------------|---|--|--|---|---|--|---|--|
| <b>Frequency Response</b>           | (Anechoic Chamber)  |  |  |   |   |  |   |  |
| On Axis @ 0°±3dB<br>LF Cutoff -10dB | 20-150Hz<br>15Hz  | 27-150Hz<br>24Hz   | 28-150Hz<br>25Hz   | 26-150Hz<br>20Hz  | 35-150Hz<br>31Hz  | 39Hz - 150Hz<br>35Hz   | 80-22,000Hz<br>58Hz   | 55-23,000Hz<br>40Hz                                |
| <b>Amplifier Power</b>              | (Internal Amplifier)  |  |  |   |   |  |   |  |
| Continuous<br>Dynamic, Peak         | 400 Watts<br>400 Watts, 600 Watts   | 300 Watts<br>425 Watts, 850 Watts  | 200 Watts<br>275 Watts, 550 Watts  | 100 Watts<br>100 Watts, 200 Watts                       | 125 Watts<br>160 Watts, 320 Watts   | 50W<br>50W, 100W   | 2 x 20W<br>2 x 40W  | 6 x 17 Watts                                       |
| <b>Acoustic Design</b>              |   |  |  |   |   |  |   |  |
| Tweeter (Nominal)                   |   |  |  |   |   |  | 3/4" (19mm) Aluminium Dome  | 2 x 1" (25mm) Textile Cone                         |
| Mid-Range                           |   |  |  |   |   |  |   | 2 x 2" (50mm) Treated Paper Cone / Rubber Surround |
| Woofers (Nominal)                   | 12" (300mm)<br>Polypropylene Cone<br>Rubber Surround<br>2" (50mm) Voice Coil<br>50oz (1400g) Magnet             | 12" (300mm)<br>Polypropylene Cone<br>Rubber Surround<br>2" (50mm) Voice Coil<br>50oz (1400g) Magnet      | 10" (250mm)<br>Polypropylene Cone<br>Rubber Surround<br>1 1/2" (38mm) Voice Coil<br>35oz (990g) Magnet   | 6 1/2" (165mm)<br>Polypropylene Cone<br>Rubber Surround | 8" (203mm)<br>Polypropylene Cone<br>Rubber Surround<br>1 1/2" (38mm) Voice Coil<br>28oz (794g) Magnet<br>+20oz (567g) SH Magnet | 5 1/4" (135mm)<br>Polypropylene Cone<br>Elliptical Surround  | 3 1/2" (90mm)<br>Polypropylene Cone<br>Rubber Surround  | 2 x 4" (102mm)<br>Rubber Surround                  |
| Crossover                           | Variable 50-150Hz, LR4<br>Low Pass Filter   | Variable 50-150Hz, LR4<br>Low Pass Filter  | Variable 50-150Hz, LR4<br>Low Pass Filter  | Variable 50-150Hz, LR2<br>Low Pass Filter               | Variable 50-150Hz, LR2<br>Low Pass Filter   | Variable 50Hz - 150Hz  | 2100Hz LR4  | 260Hz, 3kHz, LR4                                   |
| Design Type                         | Bass Reflex<br>3" (75mm)<br>Down Firing Port  | Bass Reflex<br>3" (75mm)<br>Down Firing Port   | Bass Reflex<br>2 5/8" (67mm)<br>Down Firing Port   | Sealed  | Bass Reflex<br>1" x 8" (25mm x 203mm)<br>Front Port, Video Shielded   | Sealed   | Bass Reflex<br>Rear Slot Port   | Bass Reflex<br>Twin Rear Slot Ports                |
| <b>Size (W x H x D)</b>             | (Gross Dimensions)  |  |  |   |   |  |   |  |
|                                     | 15 3/8 x 15 1/8 x 16 5/8" *<br>(390 x 384 x 420mm)  | 15 3/8 x 20 1/8 x 17 3/8" *<br>(390 x 510 x 441mm)   | 13 3/8 x 17 1/2 x 15 5/8" *<br>(338 x 443 x 396mm)   | 17 1/8 x 10 7/8 x 4 7/8" *<br>(432 x 266 x 122mm)       | 9 5/8 x 14 1/8 x 15 5/8" *<br>(244 x 359 x 396mm)   | 6 3/8 x 6 3/8 x 7 7/8" *<br>(162 x 162 x 199mm)  | 4 1/2 x 7 7/8 x 6 7/8" *<br>(114 x 197 x 174mm)   | 24 1/16 x 7 1/4 x 15 1/8" *<br>(625 x 182 x 384mm) |
| <b>Weight</b>                       |   |  |  |   |   |  |   |  |
| Net<br>Shipping                     | 43lb (19.5kg)/each<br>50lb (22.7kg)/each  | 43lb (19.5kg)/each<br>50lb (22.7kg)/each   | 34lb (15.5kg)/each<br>39lb (18kg)/each   | 13.3lb (6.1kg)/each<br>19lb (8.6kg)/each                | 23.8lb (10.8kg)/each<br>27lb (12.3kg)/each  | 6.05lb (2.75kg)/each<br>7.6lb (3.46kg)/each  | 8.3lb (3.8kg)/pair<br>12lb (5.5kg)/pair   | 24lb (11kg)/each<br>29lb (13kg)/each               |
| <b>Finish</b>                       |   |  |  |   |   |  |   |  |
|                                     | High Gloss Black  | Black Ash  | Black Ash or Dark Cherry **  | High Gloss Black  | Black Ash or Dark Cherry **   | High Gloss Black   | Gloss Black   | Black Ash  |
| <b>Features</b>                     |   |  |  |   |   |  |   |  |
|                                     | Volume Control<br>Variable Crossover Control<br>Phase switch<br>Auto on/off<br>LFE input<br><0.5W Standby Power | Front mounted volume<br>and crossover<br>Phase switch<br>Auto on/off<br>LFE input<br><0.5W Standby Power | Front mounted volume<br>and crossover<br>Phase switch<br>Auto on/off<br>LFE input<br><0.5W Standby Power |   | Front mounted volume<br>and crossover<br>Phase switch<br>Auto on/off<br>LFE input<br><0.5W Standby Power                        | 4 Silicone Rubber Feet<br>Amplifier Panel Volume Control<br>Variable Frequency<br>Phase Switch 0°-180°<br>2 x RCA L(LFE) / R inputs<br>Auto On/Off (Standby)<br><0.5W Standby Power<br>Consumption | Volume Control<br>Mono Subwoofer Output<br>Low Level RCA Input<br>Low Level 1/8" (3mm)"AUX" Input |  |

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All specifications are subject to change without notice.

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