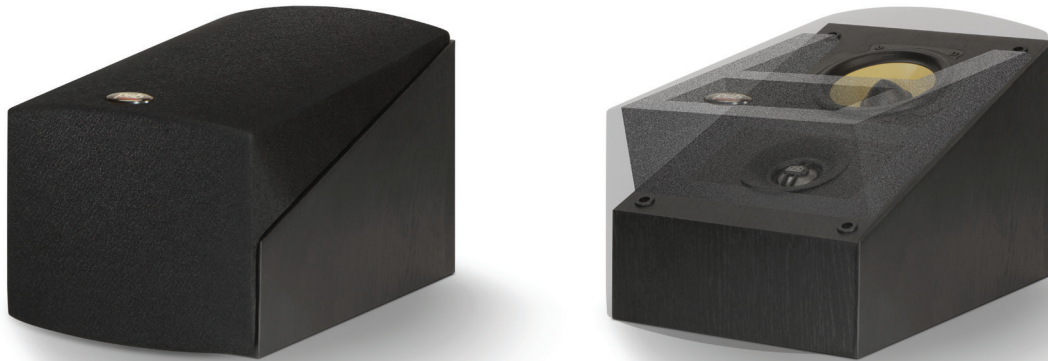
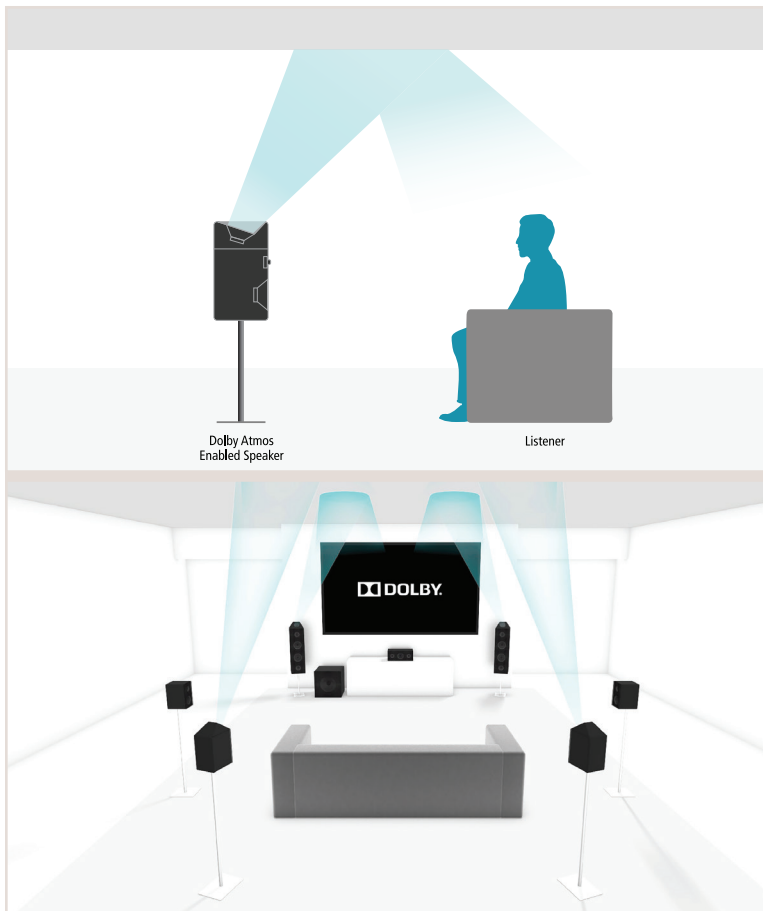


# Imagine™ XA Dolby Atmos® Enabled Certified Speaker

**psb**  
**SPEAKERS**



The new Dolby Atmos® system takes surround sound to a completely new level, by adding the 3rd dimension of height to the 2 dimensional front/back left/right 5.1 or 7.1 sound mix. In Dolby architecture, the Floor Speakers create the sound 'bed' and the Dolby Atmos Enabled elevation speakers are fed a separate, discrete signal to move 'sound objects' around the room with pinpoint accuracy. The effect is totally convincing, and really elevates the Home Cinema experience to new heights. The Imagine X speakers provide the ideal solution for recreating the magic of Dolby's Atmos object oriented, multi-channel surround system.



## SYSTEM PLANNING

To enter the world of Dolby Atmos you'll need to upgrade your sound system. You'll need to add the height information required via either two (2) or four (4) speakers (front and/ or rear Dolby enabled pairs), to create a 5.1.2/7.1.2 or 5.1.4/7.1.4 system. Of course, you'll also need a processor/ receiver with the extra Dolby Atmos decoding, and additional amplifier channels.

While four (4) elevation speakers give the best result, you can get to about 85% of the effect with just two (2) elevation speakers. For dedicated Home Cinemas, discrete speakers mounted in the ceiling are the original system design intent. But Dolby recognized that this isn't always possible or practical, so they developed the Dolby Atmos Enabled Speaker specification. The Dolby Atmos Enabled Speaker works by creating 'phantom ceiling speaker locations' by reflecting sound off the ceiling at a precise angle.



## PSB PRECISION ASSURES A SUPERB RESULT

To get the best result, the Dolby Atmos Enabled Speaker must have a very specific frequency and directivity response. Using Canada's famed NRC for all its acoustic measurements allows PSB to match the desired response perfectly. This means that the phantom speaker effect will be highly convincing. It also means that the Imagine XA can be integrated perfectly with almost any other brand of floor speakers, to get the best possible 3D imaging.

## ADD-ON FLEXIBILITY

We decided to make the Imagine XA affordable to buy and flexible to install. It is small enough to simply sit atop your existing front or rear speakers, be they bookshelf or towers, as long as the XA's are sitting at least 36" off the floor and are no taller than 48". Alternatively they can be wall mounted using the supplied wall brackets. Start with a pair of XA's for 5.1.2 and get a taste of the excitement. If you love Dolby Atmos, you can step up to 5.1.4/7.1.4 when you want the maximum level of impact and realism. Remember, with PSB you can always add-on when you're ready.

## ADVANCED DRIVERS AND ACOUSTIC TUNING

As part of PSB's prestigious Imagine Series, the Imagine XA shares the same advanced driver technology. The Ferrofluid cooled tweeter has a powerful neodymium magnet, and perfect piston movement to well above audibility. Also present is PSB's renowned clay-filled polypropylene cone that has an ideal balance of stiffness and damping, coupled to an advanced motor with high temperature voice coil and dual turbo magnet structure. The advanced crossover design and distinctive wave-guide grille dial the Imagine XA precisely into the Dolby Atmos target function specification.

All in all the Imagine XA represents the best and latest implementation of the Dolby Enabled Speaker Technology, and has been used by Dolby themselves to show off their new Dolby Atmos Multichannel Surround specification.



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