



Ambience High-Efficiency Inwall

Ambience Hi Efficiency Flat Inwall Speakers

Our Inwall model incorporates the Ambience ribbon driver, which has proven to be extremely reliable and robust.

These ribbon hybrid loudspeakers boast an extremely high efficiency specification of 96dB, which incorporate extremely powerful neodymium "rare earth" magnets to form the main integral part of the engine that creates the sound. They produce five times the acoustical output energy as our standard series with the same rated amplifier input power.

To match the high efficiency levels of the ribbon driver, we've had to employ double woofer arrangement in the bass section to create the low frequency output.

Marrying these two varying technologies together, a complex crossover has been specially designed utilizing top quality components. The crossover point is performed at a frequency less sensitive to the human ear; thus cannot be distinguished.

The resulting combination is a loudspeaker system that creates a huge soundstage with incredible DYNAMICS, REALISM and CLARITY, that only Ribbon or Electrostatic loudspeakers can produce. Their high efficiency makes them suitable for amplifiers with very low output power ratings of 10 watts, to a maximum power handling exceeding 150 watt RMS each. With large powered amplifiers, extreme sound pressure levels are achievable.

Overall Specifications

Sensitivity 96dB at 1M for 2.83 volts input
Crossover 12 & 6dB/Octave @ 500Hz
Power Handling (per channel) 100-150W RMS (ideal)
 10W RMS (minimum)

Ribbon Specifications

Type Crimped metal
Impedance 4.0 Ohms
Power Handling (per channel) 150W RMS (long term)
Crossover 420 Hz at 18dB/octave

Bass Section Specifications

Type 2 X 150mm Seas
 Woofer Custom made especially for Ambience Speakers

Ambience Center Speaker

Ambience Ribbon Loudspeakers are created with the discerning listener in mind. Full range Ribbon Hybrid type, suitable for Dolby digital, AC3, THX, DTS, and Pro logic systems.



Ambience Center Speaker

Overall Specifications

Dimensions 1,320mm X 200mm X 150mm deep
Sensitivity 96dB at 1 meter for 2.83 volts input
Power Handling 100-150W RMS (ideal)
 30W RMS (minimum)
 150W RMS (long term)
Crossover 350 Hz at 18dB/octave

Ribbon Specifications

Type Crimped aluminum
Magnets Neodymium
Impedance 4.27 Ohms @ 150Hz-5kHz
 5.38 Ohms @ 7kHz
 5.30 Ohms @ 10kHz
 5.00 Ohms @ 15kHz
 4.75 Ohms @ 25kHz

Bass Section Specifications

Type Vented box or closed box
F3 29Hz (Vented box) or 40Hz (Sealed box)
 24Hz free air resonance
Impedance 4.9 Ohms (nominal)
Drivers Seas (custom made for Ambience) 1 X 170mm Long throw voice coil Doped paper cone type
Power Handling (per channel) 30-100W RMS (ideal)
 5W RMS (minimum)
 100W RMS (long term)

Ambience Bandpass Subwoofer

Our subwoofer has been designed to perform for both home theatre and music applications. It operates as a BANDPASS system and will only reproduce a very narrow range of frequencies, thus not imposing on the main audio channels. It is in that sense a true subwoofer.



Ambience Bandpass Subwoofer

Overall Specifications

Maximum Output Frequency Response 116dB SPL (thermal limited)
 <17 Hz (lower)
 50 Hz (adjustable to)
Sensitivity 91dB at 1 meter for 2.83 volts input
Dimensions 55cm X 55cm x 40cm high

Amplifier Specifications

Output Power 200W RMS (continuous)
Damping Factor >400
Input Sensitivity 220mV for 175W RMS
Signal to Noise >110dB (output stage)
 >85dB (overall)

Bass Section Specifications

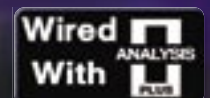
Type Bandpass (twin chamber)
Driver Peerless 1 X 250mm 45mm driver excursion

Ambience Ribbon Hybrid Speakers: The Architecture of Sound.



"Simply gorgeous"

—Absolute Sound, January 2006



One of the rare earth magnets shown at the left is so powerful it can lift a refrigerator. The 44 together in a pair of speakers would lift a small car. This combined with the ribbon hybrid architecture gives the speakers INCREDIBLE dynamics, efficiency, realism, and clarity that has never been achieved before!

Visit www.ambienceusa.com for information on our wide range of products.



For more information, visit
www.ambienceusa.com

According to many Audiophiles, speakers that give the most realistic sound reproduction would have to be Ribbon Speakers.

This technology has been around for a long time. With the advent of powerful transistor audio amplifiers, combined with extremely powerful magnets, you have the ability to produce high levels of sound and clarity in your lounge room.

The conventional cone speaker system has been the industry standard for basic audio reproduction; while expensive imported ribbon and electrostatic speakers have been available to the "cost is no object audiophile."

TODAY'S RIBBON HYBRID SPEAKER TECHNOLOGY is brought to you by Tony Moore from his Australian company Ambience Speaker Systems. These speakers have been created for serious listening, for people who enjoy the natural talents of the musician, without the annoying "additions" that most speakers impose on the artist.

They have a beautiful open and accurate mid range and treble, free from hardness, while the dynamic bass section is full and well controlled to frequencies below 30Hz.

The sound stage is extremely large and has great depth with excellent detail and clarity. The quality of sound produced from these Ribbon Speakers, bringing the artist to your lounge room, is available from our qualified dealers for your listening pleasure.

Ambience Speaker Systems have combined woofer and ribbon technology with state of the art electronics to produce a speaker system which is as close to live music as you can get.

These are not mass produced speakers but are hand built musical masterpieces. The designer Tony Moore not only makes his own ribbons but hand builds each speaker. How many speaker companies can say that!



Ambience Reference 1800

Ambience Ultra 1600

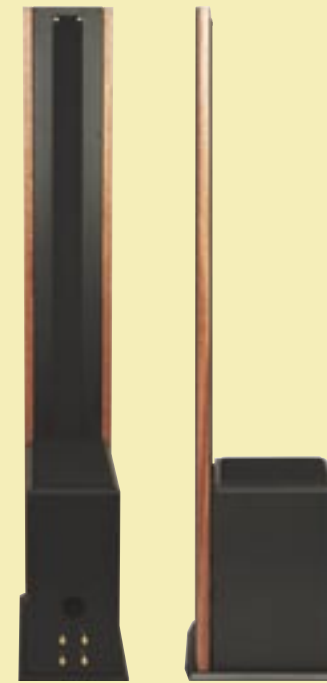
Ambience Ultra 1600

The Ambience Ultra 1600 is an exceptional speaker, delivering powerful dynamics, soaring highs, deep base and exceptional ambient soundstages.

They incorporate the Ambience ribbon driver, which has proven to be extremely reliable and robust. The Bass driver has been specifically developed by SEAS of Norway to match the Ambience Ribbon driver, with a useful lower frequency response well below 30 Hz.

There is a complex third order crossover to the Ambience Ultra 1400 and 1600. The crossover point is performed at a frequency less sensitive to the human ear; thus cannot be distinguished. The resulting combination is a speaker system that has incredible REALISM, coupled with CLARITY that only Ribbon or Electrostatic speakers can produce.

The soundstage is extremely large, and being of di-polar type design, they also have great depth. The Ultra 1400 and 1600 each have an upward firing bass driver, which gives them excellent ability to perform under any situation, irrespective of room influences and positioning.



Ambience Ultra 1600

Overall Specifications

Sensitivity 89dB at 1 meter for 2.83 volts input
Impedance 4.3 Ohms (nominal)
Power Handling (per channel) 100–150W RMS (ideal)
 30W RMS (minimum)
 150W RMS (long term)
Crossover 420 Hz at 18dB/octave or 830 Hz at 12dB/octave

Ribbon Specifications

Type Crimped aluminum
Magnets Ferrite
Impedance 4.27 Ohms @ 150Hz–5kHz
 5.38 Ohms @ 7kHz
 5.30 Ohms @ 10kHz
 5.00 Ohms @ 15kHz
 4.75 Ohms @ 25kHz
Power Handling (per channel) 100–150W RMS (ideal)
 30W RMS (minimum)
 150W RMS (long term)
Crossover 420 Hz at 18dB/octave

Bass Section Specifications

Type Vented box or closed box
F3 29Hz (Vented box) or 40Hz (Sealed box)
 24Hz free air resonance
Impedance 4.9 Ohms (nominal)
Driver Seas (custom made for Ambience)
 1 X 170mm
 Long throw voice coil
 Doped paper cone type
Power Handling (per channel) 100–150W RMS (ideal)
 30W RMS (minimum)
 100W RMS (long term)
Crossover 420 Hz at 18dB/octave

Ambience Reference 1600 and 1800

The Reference 1800 is a ribbon hybrid loudspeaker boasting an extremely high efficiency specification of 95dB. This is achieved while only using 25% of the power used to create the same volume as our standard models.

These high efficiency levels are achieved with the use of special "rare earth" magnets, which help form the main part of the engine that produces the sound. These magnets are so powerful, they have to be freighted by sea as the magnetism interferes with delicate airline instruments.

The higher efficiency now makes our loudspeakers suitable for amplifiers with lower output power ratings. These are now suitable for amplifiers with 5–10 watts, to a maximum power output handling or exceeding 150watts/channel. With the larger amplifiers, extreme sound pressure levels are achievable.

To match the high sound pressure level of this new ribbon section, we have had to use 2 woofers in a newly designed bass section to create the low frequency output.

The internal crossover electronics utilize "Hovland" capacitors from the U.S., which are renowned for being the finest available in the world.

The Reference 1600 model has upward firing bass drivers, which gives it an excellent ability to perform under any situation, irrespective of room influences and positioning. A loudspeaker that is very versatile. The Reference 1800 model creates a huge "soundstage" and performs at their best in larger rooms.

Internal cabling is also sourced from the U.S. based company, Analysis Plus. This company is rapidly gaining the reputation of being one of the finest cable manufacturers in the industry.



Ambience Reference 1800

Overall Specifications

Sensitivity 96dB at 1 meter for 2.83 volts input
Impedance 4 Ohms (nominal)
Power Handling (per channel) 30–100W RMS (ideal)
 5W RMS (minimum)
 150W RMS (long term)
Crossover 420 Hz at 18dB/octave

Ribbon Specifications

Type Crimped aluminum
Magnets Neodymium
Impedance 4 Ohms @ 150Hz–5kHz
 5.38 Ohms @ 7kHz
 5.30 Ohms @ 10kHz
 5.00 Ohms @ 15kHz
 4.75 Ohms @ 25kHz
Power Handling (per channel) 30–100W RMS (ideal)
 5W RMS (minimum)
 150W RMS (long term)
Crossover 420 Hz at 18dB/octave

Bass Section Specifications

Type Vented Box
F3 29Hz (24Hz free air resonance)
Impedance 4 Ohms (nominal)
Drivers Seas (custom made for Ambience)
 2 X 170mm
 Long throw voice coil
 Doped paper cone type
Power Handling (per channel) 30–100W RMS (ideal)
 5W RMS (minimum)
 150W RMS (long term)
Crossover 420 Hz at 18dB/octave