

This new model in the ACT line is equipped with 2 bass drivers.

The meticulous choice of these drivers and research done on other elements of this speaker make the A2.5 a top class model with high performances. Its sharp and clear sound will seduce you.

The A2.5 has already a unique place in the prestigious ACT line.

The ACT line

With the ACT line, BC Acoustique wanted to create speakers with a pure and sharp design using advanced technology.

The ACT speakers are the result of several years of research and development. Looking at their fine design, it is hard to realize the efforts that went in the making of the speakers and the level of technology that can be found inside. The result is quite an achievement.

Three specific technical aspects were particularly studied:

- **Internal resonance modes**
- **Phasing**
- **Distortion level**

These three aspects are often weak points on speakers found on the market, and this for a simple reason: the measuring devices used in the world of electroacoustic do not offer the necessary precision to clearly show some important phenomenon for which the human hear is highly receptive.

With this in mind, BC Acoustique decided to develop its own set of measurement devices and to adapt its manufacturing process and testing facilities to these innovative techniques. These devices give our engineers a higher precision in their work, making this a significant progress in the field of electroacoustic.

These technical evolutions make the ACT line an accomplishment with remarkable sound qualities. No place was left for luck.

But we always kept in mind that the final goal of all these evolutions was to make sure that the listener would forget all the technical aspects and enjoy the best of what music and sound can offer. This is BC Acoustique's philosophy.



The Tweeter

The A2.5 uses 3 drivers. For the treble BC Acoustique chose a BC100 horn tweeter. A common model to all ACT speakers, this tweeter is the result of an important collaboration with Fostex, one of the most prestigious high end drivers' manufacturer.

Compared to a classic dome tweeter, the BC100 brings a remarkable definition of higher frequencies, an incredible clarity, efficiency and good transiency.

Its frequency response chart is regular up to 50 kHz for an ideal transcription of high definition sources (SACD or DVD-Audio) without the inconveniences that can be found with super tweeters.

The BC100 can also reproduce all the dynamic that you can find in music or movies without any loss or distortion.



Titanium **Dome**, rigid and light for a fast step response

Aluminium **horn** with a profile developed to improve frequency response linearity, ease the phase coherency and limit directivity

A Ferrofluidated **moving coil** lowers the resonance frequency and increases power handling

A large **double magnet** gives the motor power and speed

The **compression chamber** optimises the acoustic impedance of the sound wave



The Midrange

The A2.5 uses a 17cm midrange driver, conceived in cooperation by BC Acoustique and the renown Norwegian drivers manufacturer SEAS. This driver will amaze you by its warmth, giving life to music and sound. The tones are natural with depth and high energy. Finally, the work of our engineers on the reduction of distortions gives more softness and fluidity to sound.

The use of a **Polypropylene diaphragm** with variable thickness makes an excellent compromise between lightness and rigidity. Damping has been particularly studied to guarantee the neutrality of sound

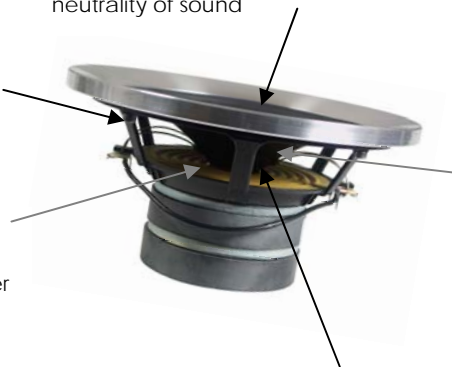
Rigid basket with a very open rear side to reduce the disturbing primary

Spider was specifically studied to offer a perfectly symmetrical

The **Motor** uses a double magnet for more power and efficiency

Cone profile and suspension specifically designed for a steady frequency response with no accidents. This allows the use of slow slope crossover for higher phase

The double **moving coil** gives more energy in the bass



The Woofer

The A2.5 offers a bass sound both deep and fast. The impedance is exceptionally stable for low frequencies. It allows for a perfect match with any kind of amplifier including valve.



Drivers

Tweeter	Horn BC100
Midrange	18 cm polypropylene
Woofer	2x18 cm
Terminals	WBT - Bi-wiring
Crossover	6/6 dB at 3,5kHz 6/6 dB at 200Hz

Performances

Frequency Range (+/-3dB)	39Hz - 50kHz
Distorsion	<0,6%
Maximum long term power	150 Watts
Maximum short term power	500 Watts
Sensitivity (2,83v/1m)	91,5 dB
Nominal Impedance	8 Ohms
Minimum Impedance	6 Ohms

Specifications

Type	Bass-Reflex Floor Standing
Dimensions (HxWxD)	105 x 22 x 38 cm
Weight	45 Kg
Cabinet	MDF HD 30mm
Diffusors	YES
Resonators	YES - 3

