



Our Value Proposition in 4 Points

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Why Alsyvox ribbon planar loudspeakers

# Our Technology

1. We make planar speakers that push this technology to **levels that cannot be imagined** because nobody thought they could be reached:  
“They do what your mother told you that a planar speaker could never do...”
2. Some part of this technology is **patented**
3. Some is a **secret recipe**
4. Some is crazy **new dimension** of parts already made with different size and proportion, like in the push-pull bass planar unit

AlsyoX™  
audio design

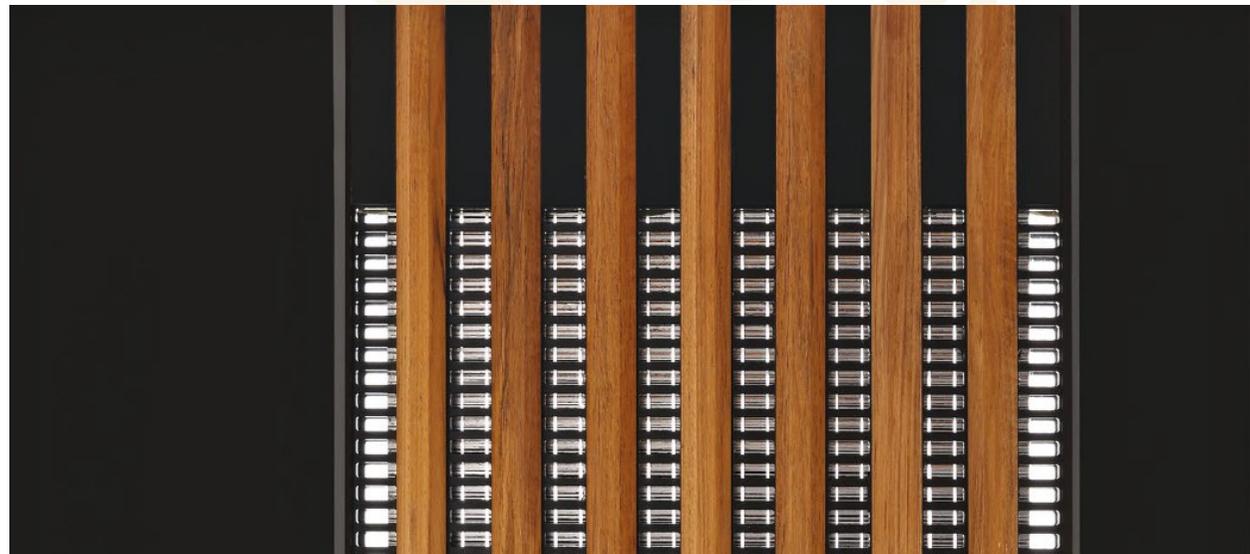


FULL  
RANGE  
RIBBON  
LOUDSPEAKERS

# Bass transducer breakthrough

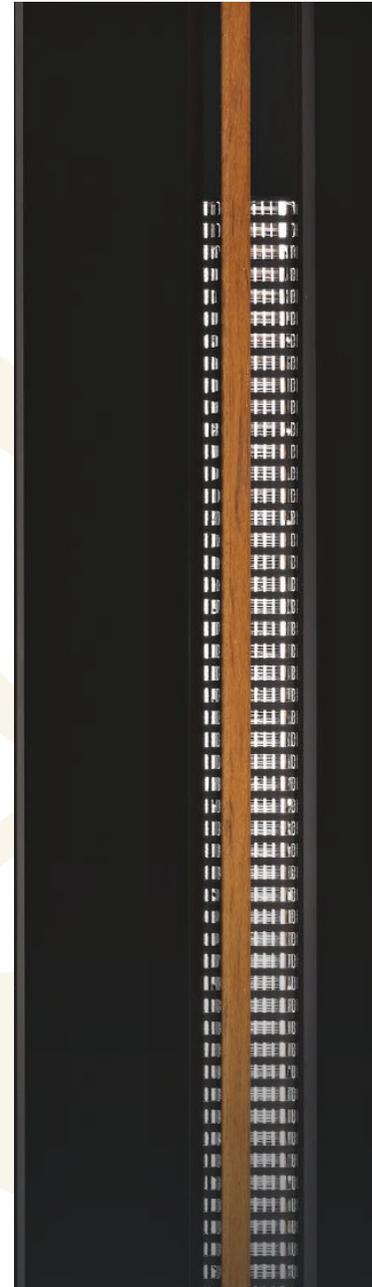


1. **Push pull** design for lower distortion, less dynamic compression, more sensitivity (magnetic field is almost double)
2. **Neodymium** magnets for higher magnetic field, this is also giving higher motion control on the diaphragm
3. Incredibly **long stroke!** 20mm on Botticelli, this is allowing low frequency extension down to 20 Hz with high dynamics and bass sensation that can be felt by your body
4. **Very low distortion**  
Thanks to constant magnetic field



# Mid-Super-Tweeter Unit Breakthrough

1. We have developed a **single unit** that incorporates both mid-tweeter and super-tweeter extending the frequency response to 40KHz.
2. The two transducers have the same **length**
3. The emission centers are **closer** than half a wave length at 5000Hz (crossover frequency), this makes the crossover seamless and completely impossible to hear in any listening position
4. The two units use Neodymium magnets and **proprietary technology** to make the diaphragms to achieve low distortion and high sensitivity



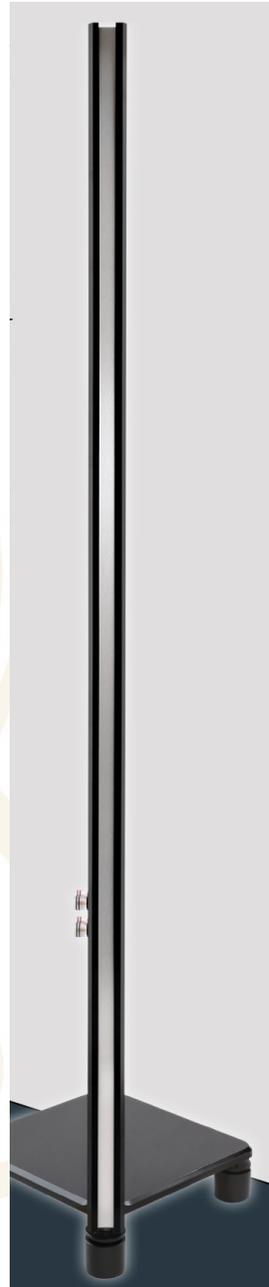
# Cross-Over

1. The design of the cross-over is a very comprehensive process at Alsyvox, we keep into consideration both **measures** and **listening**; it requires very long sessions as every musical piece can unveil something
2. Also **all possible listening positions** are considered, not just the classical center position
3. We can say that our design is considering mostly the **energy** response (more than the pressure response) and the **information** transduction
4. Top quality **Mundorf** components are used



# Frame Design Breakthrough

1. We use an internal structure mainly made of **steel**. This material is stiff and heavy, two very important physical characteristics
2. Reduction of **mechanical vibrations** is vital to information transduction, specially the micro information conveying spatial information
3. Both **PMMA** and **teak wood** solid external parts give their contribution to the acoustic result
4. An important role is played by our proprietary **inertial feet**, they allow inertial movement at the constraint points minimizing energy reflections and consequently reducing modal vibrations of structural parts



# Coherency

We value **coherency** in the reproduction of sound on top of any other characteristic.

To achieve it we have designed transducers that share:

- The same emission type: **dipole**
- The same **length**
- The same **magnets**
- The same **aluminum** foil
- The same **polyester** backing film and the same adhesive
- The same **pleating** of the aluminum conductors

# Reliability



1. Our ribbon mid-tweeter technology is proven by **25 years** of experience
2. Our ribbon bass technology is proven by **10 years** experience
3. We give **5 years** limited warranty
4. All parts inside the loudspeakers can be **replaced**
5. All loudspeakers are assembled, tested, broken-in and fine tuned by the designer himself, this is more than just a **signature**, it is a warranty, most critical parts like diaphragms are 100% made by hand by him

# Easy interface



1. With a nearly resistive load of 40hm and a sensitivity of 93-94-95dB (according to the model) you can really enjoy the sonic characters of almost any amplifier, from Vacuum Tube **Single Ended** to Class D solid state
2. Pure **dipole line source** design gives the least problems with room interface: very little sound energy radiated in the direction of floor, ceiling and side walls
3. Pure sound with great fidelity is radiated in all the other directions, so no fear of **reflected sound**, it will reinforce direct sound for added vitality
4. No need for heavy room **acoustic treatment**

# Value Proposition in 4 points



1. Totally **new listening experience**: sense of presence that means air, transparency and body at the same time as well as free flow of music with no sense of compression or grain
2. Total **coherency** given by the use of same materials and **push-pull** technology in every transducer (bass, mid-tweeter and super-tweeter)
3. Unique design with no third party transducer maker involved, **we make everything in house**
4. Stylish **Italian design** with solid and precious materials

# What is New in our New CARAVAGGIO and MICHELANGELO



1. For the first time ever we make **4 and 5 ways** ribbon design. This means that the acoustical behavior of each way is specialized in its own frequency range and it is the best possible: no compromise in terms of frequency response, phase, SPL, distortion and dispersion!
2. The **midrange** is a patent pending design that is using 2 parallel ribbons 37mm wide (75mm in total). They are moving in a very constant magnetic field that allows 17mm peak to peak stroke. This huge ribbon is responsible for the most important range of frequencies from 500Hz to 1500Hz

# What is New in our New CARAVAGGIO and MICHELANGELO



3. A very important principle behind the new design is that no transducer covers more than **2-3 octaves** as the width needed to couple the diaphragm to the air and to give enough dispersion do not allow more than that: this is simply physics.
4. External **crossover** networks are used to allow the choice of big and high quality components without space compromise.
5. The crossover units are made with CNC machined **solid aluminum** blocks to get the best isolation of each component from external and internal interference, both electromagnetic and mechanical. They are designed following a patent pending under the property of Omega Audio Concepts and they are made using their know how

# What is New in our New CARAVAGGIO and MICHELANGELO



6. **Caravaggio (full)** is made of 2 panels each channel, the main panel is containing a 4 way design using 1 woofer 320x1680mm, 1 midrange 75x1680mm, 1 tweeter 25x1680mm and 1 super-tweeter 5x1680mm; the other panel is containing a woofer identical to the one contained in the main panel that can be used as additional subwoofer or mixed with the woofer of the main panel to add bass energy in bass demanding rooms. Each panel has its own external solid aluminum crossover unit by Omega Audio Concepts .
7. A smaller version with just the two main panels, **Caravaggio (main)**, can also be bought. This helps to fit them in smaller rooms and the bass panels can be added in a second time
8. **Michelangelo** is a Caravaggio with an additional woofer panel pair. Each with its own external crossover unit. The additional bass panels can be bought separately



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