

## **Furniture "Esoteric." Installation Recommendations**

### **Presentation**

The furniture of Artesanía Audio are treated with anti-vibration techniques. The cabinet is integrated as other electronic components with the sound equipment. Its effect is to improve the acoustic performance of HiFi equipment. The Esoteric table is the highest level of range that we have created.

### **Unpacking and assembly**

On our website ([www.artesianiaaudio.com](http://www.artesianiaaudio.com)) is an explanatory video.

### **Objective: "Tune" the furniture with the room acoustics**

All rooms have different acoustics. The Esoteric is thought for be possible to fit to the room acoustics, using properly:

- a) The soil disks with exchangeable bases (white and black).
- b) Small disks on which the electronic are supporting (some in absorbent neoprene<sup>1</sup> and others without absorbent neoprene).

**The white bases** are of polyamide, insulating effect, but not absorptive or damping. They don't increase the overall absorption coefficient of the cabinet. The audition tends to be transparent, released and, above all, dynamic. They are which we should use usually.

**The black bases** are made of neoprene, with absorbent or damped effect. They are installed in acoustics very little treated or in sound equipment whose synergy between components is not successful, and it results in ear fatigue, with aggressive sounds, dry, hard, and thin ring because of the lack of harmonic richness.

### **The normal assembly or installation of furniture**

The assembly must do is:

- With soil discs white polyamide with bases (insulators, but non-absorbent).<sup>2</sup>
- With small discs of the shelves with black neoprene pads absorbent.

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<sup>1</sup> The absorbent neopren is the black pad of the disc.

<sup>2</sup> The uniform flat face must be attached to the steel disc. The recessed portion is that which will be in contact with the ground.

## **The usual result in rooms with good soundproofing**

Usually we get to this improved of sound installation consisting of a greater presence, ventilation, freedom and transparency. Spelling is favored in dynamic range (effect of depth planes).

It can happen, especially in rooms which are very well equipped acoustically, that the absorption coefficient of the furniture is slightly excessive. In this case, the mid and high frequencies may be too attenuated.

For this case, we include another set of small discs, for support of the electronic on the shelves without the neoprene pad. In its support base incorporate an adhesive similar to velvet. Its effect is a mere sound insulation. It should be used in some electronic components in audition tests, starting with digital sources (CD), until we obtain the ideal point in listening.<sup>3</sup>

**The dampers.** The assembly is completed by placing the dampers on the electronics. His weight stabilizes the electronics and it prevents vibrations of cabinets. It is the finishing touch.

## **Check the orientation of the speakers.**

Reorient the focus of the speakers at the listening center is always advisable, when integrated into the team a furniture as the Esoteric, which affects all installed components.

**The final result in the acoustics of the room.** You get a high level of balance in the auditory responses, for its linearity, neutrality of the sound energy in the room, with stable levels both in the macrodinámica as the micro.

## **Tuning of the furniture in acoustically untreated rooms**

Artesanía Audio furniture are often used to solve systems with poor acoustics, because they are treated furniture.<sup>4</sup>

If we are in rooms with excessive bass (uncontrolled and elongated), we solve the problem by treating the speakers. We can place an absorbent base or damping on the speakers. Place a floor mat in the soundstage can also help.<sup>5</sup>

Thus we can solve the excessive bass (uncontrolled and elongated), by the weight of the speakers relative to the ground.

The end result will be a more balanced tonal balance.

Ultimately, if not solved in this way the excess of uncontrolled bass, we can use the absorbent neoprene black bases in the steel discs.

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<sup>3</sup> For these tests should be used known discs.

<sup>4</sup> 80% of the acoustic rooms are not treated optimally.

<sup>5</sup> **Artesanía Audio** recommend for this purpose, the use of our steel discs smaller than those of the Esoteric, exchangeable bases, to support the speakers.

The auditive result will not be the ideal, but will improve over the use of white discs, in this case.

## **Special Platform for Turntables (Plato)**

### **Recommendations for installation of the turntable (plate) on our special platform**

**In our furniture with double or triple tandem.** We recommend the installation of the platform for analog source (turntable), if possible, on the right side (front view).

In this position we move away the arm plate connection and avoid inductions Phono circuit with the power leads of electronic components.

**The connection of the mass of the internal structure of the table,** must be connected to the preamp ground or to the amplifier of the equipment. This connection allows us to maintain the same electrical potential between electronic components and internal table suspended structure, independent of the external structure.

The heavy glass shelf rests on sandwich covered in black discs of absorbent high density neoprene. They absorb the vibrations that may arise because of propagation acoustic sound of the room.

**Audiophile turntables<sup>6</sup>** have no problems of feedback (effect "Larsen") because the structural resonance point is less than 7 c / s.

**Other turntables that are above 16 c / s.** These turntables generate micro-vibrations and in little treated acoustic may exist positive feedback (effect "Larsen") between the analog source plate and the speakers.<sup>7</sup>

The solution is to place the speakers on absorbent base or placing a floor mat in the soundstage.

The Task Force  
**Artesanía Audio**

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<sup>6</sup> The audiophile turntables do not generate microvibrations have a "platter" (wheel rotation) very heavy and the micro-vibrations of the engine are zero, are totally silent and the needle of the capsule in the registry only captures the information entered in the groove disk, with no overlap parasitic microinformation (reason for distortions in low frequency).

<sup>7</sup> In listening to low frequency below 50 c / s dynamic sound pressure above 70 db, can manifest the effect, "Larsen", this problem depends on the turntable