

## The Madison amplifier

World  
exclusive

## Elementary my dear Watson

### Aura VA40 Rebirth

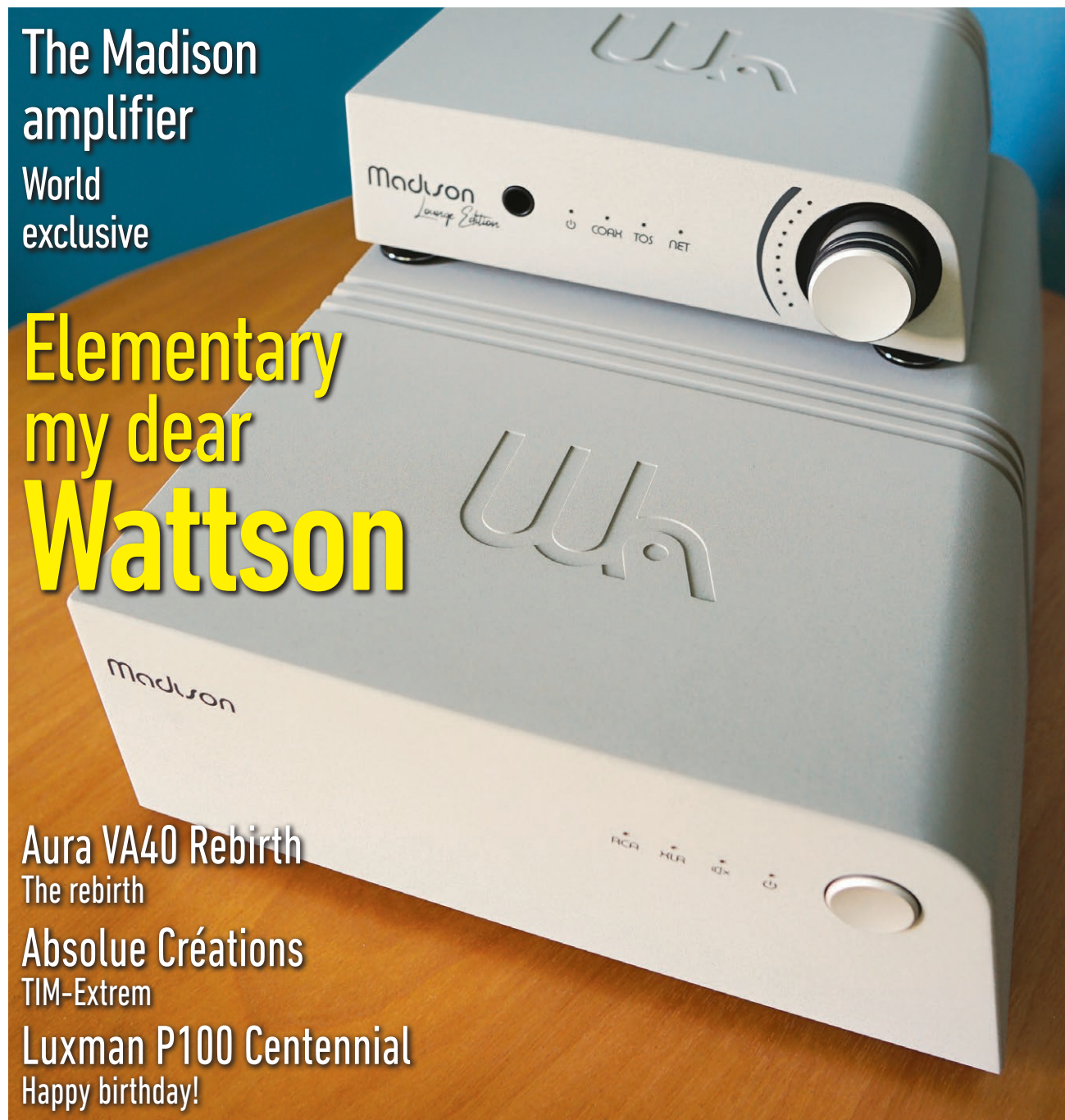
The rebirth

### Absolue Créations

TIM-Extrem

### Luxman P100 Centennial

Happy birthday!



NOISE REDUCER/GROUNDING

# TELOS AUDIO DESIGN MACRO G

Laurent Thorin

Telos Audio Design as made a speciality of developing highly sophisticated optimisation products that emulate a reference ground so that connected audio devices perform to their full potential. The first step towards this clever ecosystem is the Macro G, which we have tried and adopted!



Telos Audio Design has been studying the concept of active grounding for several years. It is a fundamental realisation of the environment in which our hi-fi systems now operate. Since the end of the 20th century, our homes have become overloaded with electrical devices equipped with high frequency switching power supplies that use their connection to earth as a discharge for the interference they generate. With electrical terminals often serving hundreds of homes, the earth connection of your hi-fi system may be linked to thousands of devices polluting the earth line.

However, the earth connection is the absolute reference for all vital voltages in your system. It must therefore be as quiet and stable as possible. The best way to eliminate noise from the earth line is to use

TECHNICAL  
SHEET

**ORIGIN**

Taiwan

**PRICE**

€ 1 200

**DIMENSIONS**

55 x 135 x 25 mm

**WEIGHT**

300 g

**STANDARDS**

USB Type A ou HDMI ou RJ45

a clean, dedicated earth, but this poses regulatory problems, and people living in flats have no control over this aspect.

Thanks to its advanced grounding technology, the Telos Macro G creates a more stable and quieter electrical environment. It is a noise reducer specially designed to optimise the performance of your digital devices. It incorporates an energy-efficient power supply module, specially designed to provide stable power to transport/network player processor. When the processor is supplied with a stable power supply, it can provide a more accurate ground reference point. In the age of ubiquitous streaming, this grounding solution developed by Telos is highly relevant.

The Macro G features its proprietary digital noise reduction device. It also incorporates a Schumann generator, like the Junilabs Juniwave 2, making it a truly comprehensive device. Schumann resonance (named after the scientist who theorised it) is a wave that revolves around the Earth, whose frequency is proportional to the diameter of the planet and the thickness of its atmosphere. It has cradled all terrestrial bodies (mineral, vegetable, animal) since their existence. However, the use of satellites, mobile phones, television, computers, Wi-Fi, Bluetooth, etc. drowns this wave in ambient noise. The Schumann generator enhances this naturally existing wave and provides a feeling of well-being.

Finally, the new Macro G is housed in a rigid case that attenuates sound effects caused by resonance frequency issues in the materials. More and more Ethernet filters are currently appearing on the market. This is not one of them. Its active noise reduction works in a completely different way, so you will use the Macro G differently too.

Although each Macro G has two Ethernet (or USB or HDMI) sockets, it is not a device that can be connected in series. The two ports are intended to be connected to vacant sockets on two of your digital components. The Macro G is connected to the ground connections of your network. It is not in the signal path at all.

### **THE SET UP**

The Macro G product range has three connection options: RJ45, USB and HDMI. All these connection options work in the same way with the same performance characteristics. Each Macro G has two digital connection sockets for use with two different digital components.

The Macro G should be placed close to or on your system rack, to ensure that the grounding cables installed are close to the components you will be connecting.

Finally, it is essential to connect the Macro G to a wall socket for a direct connection to the power supply. Any type of network conditioner or mains filter may cause malfunction.

### **THE SOUND**

There is undeniably a before and after 'Macro G'. Even though our network playback protocol is already particularly sophisticated, the contribution of the small Telos box is undisputable. We had already had a positive experience with the Juniwave 2. We understand many of our customers may be sceptical about this type of product. And yet they work.

It is important to realise that in 30 years, the amount of electrical and electromagnetic noise has exploded, putting a strain on the fragile audio signals that pass through our hi-fi systems. Just because you cannot see them doesn't mean they don't exist – quite the



contrary. They are even more harmful because they are hidden. What the Macro G does is make your network playback system incredibly smoother and more nuanced. It does not seek to add anything. Instead, it removes a layer of electromagnetic fog that distorts the information delivered by your system. The bandwidth is the same, but it flows more smoothly.

Other important benefits include a soundstage that opens convincingly in all three axes. The sense of depth is significantly improved. There is air in your listening room. The density of the stereo triangle increases, but so does its openness. There is no doubt about how the musicians are moving on stage. Now it is much clearer.

This excellent device does not only improve the sound. Telos very cleverly sent us one RJ45 model and a second HDMI model. We connected the latter to our Pioneer BDP-LX 88 Blu-ray player and were shocked! While the differences in sound are sometimes subtle, the visual differences, on the other hand, are quite striking. Not long ago, we had a great experience with the Silent Power HDMI iSilencer. With the Macro G HDMI, the improvement in the picture and sound of our Blu-Ray discs is even more impressive. Not only does the colour palette seem more subtle, with much more natural tones, but the depth of field and sharpness in the backgrounds are unmistakable. We feel like we have traded in our DLP video projector for a latest-generation SXRD!

### OUR CONCLUSION

We clearly have a lot of work to clean up our electricity supply and all the pollution it causes. It's a bit like the Danaids' barrel. A radical change in society would be needed to achieve this. In other words, it's a lost cause. Consequently, in this context of structural pollution from waves, every responsible



audiophile will be keen to find ways to make the modulation of their precious equipment as pure and unpolluted as possible. In this context, the work of a manufacturer such as Telos is to be admired. It offers a wide range of solutions, the smallest of which, such as the Macro G, are still affordable and highly effective. But for the most determined among us, Telos can take you infinitely higher. ■