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- Product colours may differ from those published.
- The feeling of being present at the original recording can only be achieved so long as the music software reflects the recorded conditions; including microphone settings, mixing, editing and mastering.

FOR FURTHER INFORMATION (UK & EU)

ECLIPSE TD (UK) LTD
LOE House, 159 Broadhurst Gardens, London NW6 3AU, UK
Tel: +44 (0)20 7328 4499 Fax: +44 (0)20 7624 6384
E-mail: info@eclipse-td.co.uk

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TD712zMK2
TIME DOMAIN AUDIO SYSTEM



Nothing Added, Absolutely Nothing Taken Away

With Eclipse TD series speakers, every millimetre of surface and each smallest component are exquisitely designed to give you purely nothing else, but the sound as recorded.

It's this dedication and technology that not only wins the TD series awards, but also the prime place in professional sound studios.



The Perfect Evolution

In 2004, we released TD712z speaker, the flagship of ECLIPSE TD range. This became the ultimate standard for our brand.

Analogue speaker design has changed little since it began and achieving landmark progress presents a considerable challenge. To develop the original TD712z, we studied and tried new technologies with countless listening tests.

'There is no limit in the pursuit of the ultimate; tuning each individual detail brings evolutionary progress.'

Our target for TD712zMK2 was to extend the frontiers of

performance achieved with the original. Because we wanted to offer a wider frequency response, and improved power handling, we undertook a fundamental review of all elements and functions. As a result, we achieved an even better impulse response than the original TD712z, which we thought would not be feasible at the launch in 2004.

So now, the artistry of music, the thoughts and feelings of artists themselves, the distinctive sounds of each instrument, the exquisite harmonies woven from numerous musical notes - you can experience it all with the new TD712zMK2 like you've never experienced it before.



01 Shape Inspired by Nature

In ECLIPSE TD series, the internal standing and diffraction waves generated at the front baffle edges are largely eliminated by adopting a rigid, yet tactile egg-shaped form in which no two radial surfaces are in the same plane. With TD712zMK2, the wider frequency response has been dramatically improved by increasing the internal volume of the cabinet by approximately 50% from the original model.



02 12cm Full Range Driver



Because the cone needs to be extremely light, offering greater elasticity whilst still possessing a high radial rigidity, fibreglass has been

chosen as the ideal material for the drive-unit. It is then connected to the enclosure by a highly flexible, rubber surround incorporating a re-designed damping system. This allows precise, lateral piston movement. The magnetic flux density is approximately 10 percent greater than in the original design, providing a more powerful motor system.



03 Diffusion Stay

The drive-unit can be driven at extremely high speed, but because the unit is connected to the enclosure there may be some transmission of vibration from the speaker cone. The potential exists for the original sound to be corrupted by the colouration induced by the speaker enclosure. In ECLIPSE TD products the issues noted above are addressed by a sophisticated 'diffusion stay' which in the case of the TD712zMK2 is a five-armed, cast unit. Purity of sound is further enhanced by mounting the drive unit in a floating mechanism, so that no residual vibration can be transferred from the unit itself to the enclosure.



04 Eliminating Vibrations & Acoustic Solutions

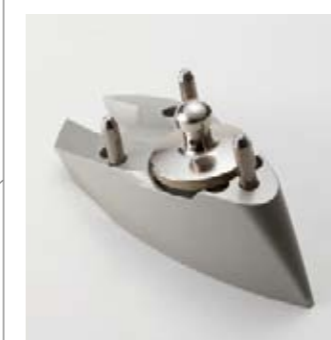


In order for the Eclipse TD floating enclosure to be effective, it is necessary to address the apparent conundrum between achieving an air-tight bond, whereby the drive-unit is sealed to the enclosure, whilst eliminating the transmission of unwanted vibrations from the drive-unit. This requires a permanent bond combined with a flexible coupling.



05 Mass Anchor

ECLIPSE TD series resolves this design limitation by attaching a high mass, conical anchor weight to the back of the drive-unit magnet. This structure acts as a mass sink which 'grounds' the drive-unit, ensuring that the only air movement generated by the cone is recreating that of the original musical performance.



06 Solid Foundation



TD712zMK2 and its stand is an 'all-point' contact design, achieved by using three steel legs mounted in the top of the column in combination with a specially machined, locking ring. This design eliminates undesirable vibrations, ensures tighter low frequency performance and allows for angle adjustments, which is an unusual option for high-end speakers. Adjustment of up to 12 degrees of the head angle offers a wide range of flexibility in the installation to suit the individual listening environment.



07 Well Damped Stand

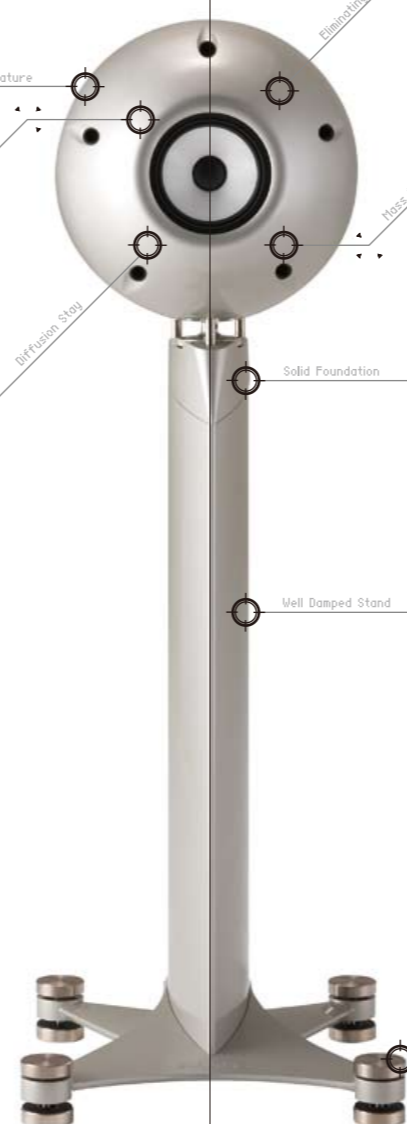


The dramatic, streamlined form of the stand echoes the design of aircraft wings in restraining the reflection of spherical waves. It is made from a combination of extruded and die-cast aluminum, offering both high rigidity and extensive internal damping, which eliminates any residual vibrations. The stand is filled with high-density, irregular sized, kiln dried sand and the combination of these elements in the structure allows precise reproduction of low frequency waveforms.



08 Spike-on-Insulator

TD712zMK2 base adopts an unusual integrated spike and insulator foot arrangement, which delivers unique waveform reproduction capabilities. The mounting to the stand is by all-point-contact so that any minuscule residual vibrations from the drive-unit movements are further isolated from the floor. The speakers can be moved without scratching the floor and adjustments can easily be made manually and without the use of special tools.



Shape Inspired by Nature

12cm Full Range Driver

Diffusion Stay

Solid Foundation

Well Damped Stand

Spike-on-Insulator

Eliminating Vibrations & Acoustic Solutions

Mass Anchor



TD712zMK2-S TD712zMK2

TD712zMK2BK-S TD712zMK2BK

• Colour Available

● SV

● BK

• Unit

φ12cm Full Range

φ12cm Full Range

• Frequency Response

35Hz-26kHz (-10dB)

35Hz-26kHz (-10dB)

• Efficiency/Sensitivity

84dB/W-m

84dB/W-m

• Input Resistance (Rating/Max)

35W/70W

35W/70W

• Impedance

6Ω

6Ω

• Maximum Dimensions (mm)

W347×H611×D431 TD712zMK2-S

W347×H611×D431 TD712zMK2BK-S

W347×H1000×D431 TD712zMK2

W347×H1000×D431 TD712zMK2BK

• Weight (per Speaker)

18.0kg TD712zMK2-S

18.0kg TD712zMK2BK-S

25.0kg TD712zMK2

25.0kg TD712zMK2BK

• Adjustable Head Angle

0°~12°

0°~12°


● Nickel Plated



● Black Nickel Plated





United Kingdom

 What HiFi: 5 Star, Speaker £1500 and above Category, September 2009


Japan

 HiVi: Grand Prix 2009, Speaker Category, Grand Prix 2009

 HiVi: 2nd Prize, Speaker ¥400K-¥700K Category, Winter Best Buy 2009

 HiVi: 2nd Prize, Speaker ¥400K-¥700K Category, Summer Best Buy 2009

 On-gen Publishing: Gold Prize, Speaker ¥500K-¥1M Category, Pure Audio Grand Prix 2010

 On-gen Publishing: Gold Prize, Speaker ¥500K-¥1M Category, Pure Audio Grand Prix Summer 2009

 On-gen Publishing: Bronze Prize, Audio Excellence Award 2010

 MJ Musen & Jikken: Technology of the Year, Speaker Category, 28th MJ Annual Award

as of May 2010

