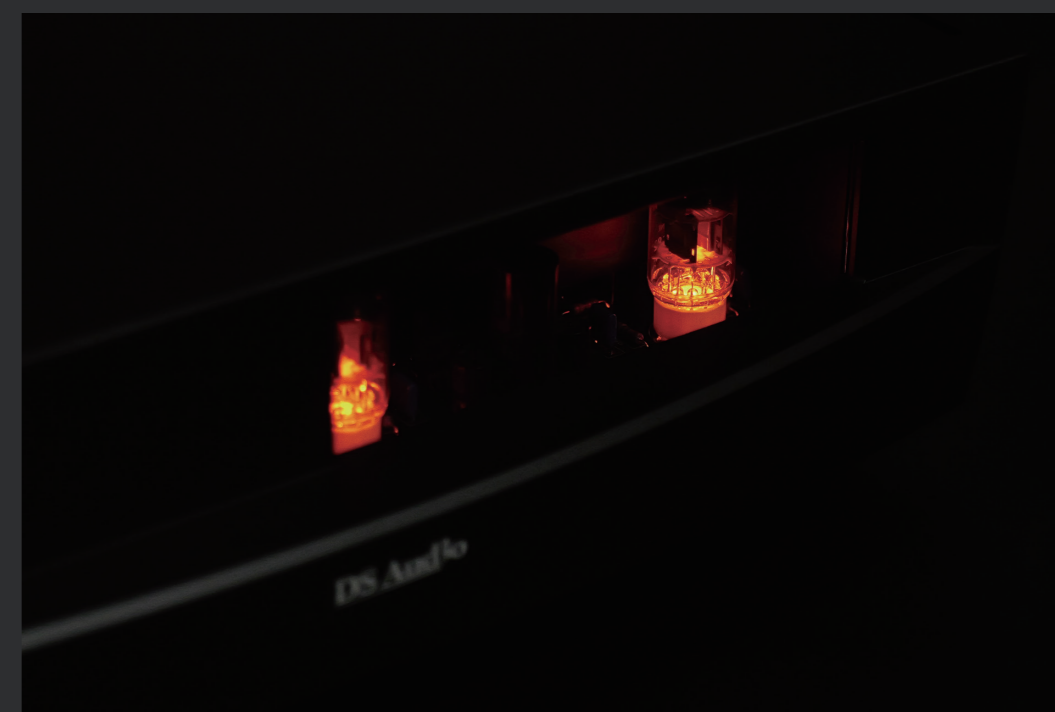


"Two souls. One music."

TB-50



Specifications

Tube equalizer



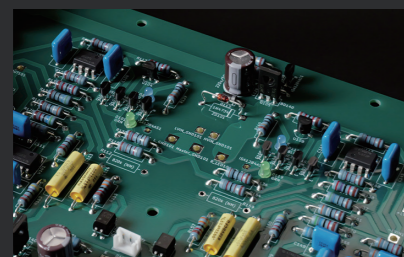
Hybrid EQ Amplifier with Tube Buffer Output

The TB-50 employs a hybrid architecture in which the amplification circuit, including RIAA equalization, is implemented in solid-state circuitry, while the final output stage passes through a vacuum tube buffer. This combination delivers ideal signal amplification through solid-state design, together with the rich harmonic expression that only vacuum tubes can provide. The TB-50 uses the same ECC82 (12AU7) tubes as our flagship TB-100, bringing the world of DS Audio tube sound to a broader range of music lovers.



Heat Dissipation Duct Design

A dedicated duct structure surrounds the vacuum tubes, drawing fresh air from outside the chassis and efficiently venting the heat generated by the tubes. This thermal management keeps the internal temperature within an optimal range, stabilizing the operating point of the tubes and ensuring consistent sound quality even during extended listening sessions.



Ideal Cartridge Connection via Current Drive & Transmission

For both power delivery to the cartridge and transmission of the music signal, the TB-50 employs a current-drive and current-transmission approach that is inherently less susceptible to the influence of phono cables and contact points. Compared with conventional voltage transmission, this approach minimizes the impact of cable length and connector quality, achieving the ideal cartridge connection that DS Audio has long advocated and drawing out the full potential of the optical cartridge.



Adjustable Tube Illumination

LED illumination positioned beneath each vacuum tube can be adjusted to suit the room or listening mood. A continuously variable control on the rear panel allows precise dimming, combining functional visibility with refined aesthetic presence.

Tube equalizer

Rated output voltage	500mV (1kHz)
Input terminals	RCA terminals
Output terminals	RCA terminals
Output impedance	Approx. 700 Ω
Size	W42cm x H12cm x D32cm (including terminals)
Weight	11.3kg

