



Tube Box DS3 B

Dual mono balanced tube phono-preamplifier

MSRP 999 € (incl. VAT)

colour options:  

- **NEW** balanced XLR in- & outputs
- **NEW** more precise cartridge loading options
- Precise RIAA equalisation
- Ultra low noise circuitry
- MM & MC capable
- Balanced & single ended in- & outputs
- Dual mono design
- Continuously variable input impedance loading
- Superior low noise / low distortion
- Subsonic filter
- Aluminium casing protects against interference
- Available in silver or black
- Magnetic wooden side panels available separately
- Made in Europe

Tube assembly: 2x ECC83 (12AX7)

Input impedance: stepless 10-1000 Ohms, fix 47 kOhms

Capacitance: 50 / 150 / 300 / 400 pF

Gain (+6dB using XLR Out): 40 / 45 / 50 / 55 / 60 / 65 dB

Output voltage typically: 500 mV/1kHz at 5mV/1kHz (at 40dB)

Signal-to-noise ratio: 88dBA

THD: < 0,04%

RIAA curve accuracy: +/- 0,2dB/20Hz - 20kHz

Subsonic filter: at 20Hz with 18dB/octave

Input: 1x 5-pin mini XLR / 1x pair XLR / 1x pair RCA phono

Output: 1x pair RCA, 1x pair XLR

Power supply: 18V/1000mA DC

Power consumption: max 490mA DC / < 0,5 watt standby

Dimensions W x H x D: 206 x 91 x 227 mm (aluminium)

Weight: (without power supply) 1500g (aluminium)

High-end tube sound

The Tube Boxes have been an integral part of our product portfolio for many years. Now, the new Tube Box DS3 B adds balanced in- and outputs to the beloved tube amplification. This precision tube phono preamplifier benefits from outstanding circuit technology from Dr. Sykora and uses ultimate components.

Connect your turntable either with the 5-pin mini XLR cable or standard XLR cables & profit from the balanced signal transmission. Symmetrical, also called balanced, transmissions consist of a hot and a cold (also called + and -) signal. Both signal chains effectively carry the same musical information. The Tube Box DS3 B can extract the final musical information out of the +/- signals and remove all noise that was potentially added along the transmission.

All components including tube output and polypropylene capacitors are audiophile grade and guarantee a breathtaking sound experience.



Cartridge loading options

You can connect two turntables at the same time & easily set everything on the front plate. Each input settings are stored in the memory.

Large ranges from 40dB up to 65dB are possible. You can perfectly match it with a wide variety of cartridges and integrate it into the rest of your Hifi system, matching the volume levels accurately to other sources like CD players or streaming devices.

Load impedance can be set continuously via potentiometer, a system invented by Pro-Ject Audio Systems. It allows you to seamlessly adjust the impedance during playback and immediately assess the impact of different loading options. This is necessary to find just the right load impedance for your cartridge. No other manufacturers implement this feature in this extreme way.

External power supply

The Tube Box DS3 B is powered from an external adapter. It is important to keep all the parts which can radiate electromagnetic fields out of the amplifier range. This is the reason why we use an outboard power supply. Due to legal requirements, this power supply must be a switch mode type with guaranteed stand-by mode power consumption 0,1W.

An outboard power supply with linear construction is even better, because it can offer much cleaner power. When you want to manufacture such clean and really high-end power supplies, you have to use a transformer with a very low core saturation and preferably with shielding between primary and secondary windings.



Linear power supply upgrade

Low core saturation decreases radiation of the outer electromagnetic field which can be inducted into sensitive circuitry. Shielding between windings work as a very efficient filter which effectively suppresses interference from mains. When it is combined with a DC-blocker which avoids the saturation of a core by DC current, the resulting filtration is even better. The mechanical vibration of the transformer is also reduced. It is critical that the transformer in use is also vacuum impregnated. Obviously, such a transformer becomes larger than one would expect. Also, much more expensive. That is why such a power supply requires a cabinet the size of the Tube Box DS3 B itself.

The location of the power supply shouldn't be close to Tube Box DS3 B. Additionally, it also shouldn't be exposed to big transformers in power amplifiers or other appliances which can cause electromagnetic interference either. Strong electromagnetic fields from big transformers in very close proximity can even penetrate the heavy metal/aluminium chassis of the Tube Box DS3 B. Even a chassis like this has its limits! The best arrangement is to keep it as far away as possible from those harmful electromagnetic fields.

Our Power Box DS2 Sources is another step up for your Tube Box DS3 B's performance.

