

# Lehmannaudio®



## Black Cube Decade

**Lehmannaudio** has built a reputation and unrivalled customer satisfaction on the sound and build quality of phono stages.

The ambitious **Black Cube Decade** effectively fills the gap between the Black Cube SE and the **Lehmannaudio** reference phono stage, the Silver Cube. In the **Black Cube Decade**, like in all **Lehmannaudio** devices, top notch technology is used that normally can be found only in price ranges far above.

The input stages of the **Black Cube Decade** can also be found in top notch mixing consoles and high class microphone preamps of professional studio electronics. The highly accurate, passive RIAA equalisation network is placed between two linear gain stages and uses precision MKP capacitors. This results in a very stable soundstage reproduction and pin point localisation of instruments.

The maximum gain of 66dB is well enough for even very exotic low output MC cartridges. Impedance load adaption is practically infinite as

with all **Lehmannaudio** phono stages: there is a free slot for a custom impedance so that every existing MC cartridge on the market can be loaded properly. Input capacitances are adjustable as well.

The **Black Cube Decade** offers a „Soft-Bass-Rolloff-Filter“ and gain selections accessible via toggle switches at the face plate. Both, gain and filter functions, are executed by studio grade relays inside the unit.

The **Black Cube Decade** is powered by the PWX II, a power supply especially developed for the unit which is downward compatible with the PWX. This means that Black Cube audio sections can also be connected. The second power outlet at the PWX II is made especially for that purpose. The PWX II power supply with chokes at critical places powers the **Black Cube Decade** with very clean DC power and - like the Silver Cube - is connected to the audio section via a shielded cable with Neutrik plugs.



- The input stages used in the **Black Cube Decade** can also be found in top notch mixing consoles or in well known professional microphone preamplifiers.
- The passive filter network between two linear gain stages realized with high precision MKP caps (Epcos)
- Several resistive and capacitive loads as standard
- Front switchable gain (36dB - 66dB) and Soft-Bass-Rollof (6dB/oct. 60Hz)
- Onboard slot for custom impedance
- Zero global feedback Class A output stage technically identical with the highly acclaimed Black Cube Linear.
- LCL Pi-filter in the power supply section of the audio board for optimal suppression of radio frequent intermissions
- High quality gold plated pcb mount RCA connectors for audio.
- High quality double sided printed circuit board for optimal signal routing and component placing.
- Neutrik connector with gold plated contacts for supply connection (as with the Silver Cube)
- Face plate anodized aluminium either black or silver.
- 30 VA toroidal transformer of the PWX II power supply is a key component for the sonic performance achieved with the **Black Cube Decade**. This transformer is not only oversized but sports a grounded isolation coil between the primary and secondary coil.
- Only Low-ESR electrolytic capacitors are used
- Neutrik connectors with gold plated contacts for supply connection (as with the Silver Cube).
- Chokes before and after the voltage regulation
- Downward compatible with PWX: Black Cube SE audio sections can be connected. Black Cube standard versions can be upgraded with an XLR plug.
- High quality double sided printed circuit board for optimal signal routing and component placing.
- Double sided board for optimum parts placement and trace routing
- Face plate anodized aluminium either black or silver.