

Black Cube Buffer

Cable driver/ output enhancer

The name **Lehmannaudio** has long become synonymous for producing cost effective state of the art audio electronics. The **Black Cube Buffer** is a high end cable driver that satisfies the highest demands and is the solution for practically all problems with long cables or different levels.



Many music lovers have an affinity to puristic concepts like the so called passive preamps. Although there are certain qualities, these setups are facing problems with long cables. The sound is often too soft and weak. Highs lack transparency and bass impact is also dissatisfying. This is mainly caused by a high source impedance of the passive attenuators.

The **Black Cube Buffer** is the ideal partner: Due to the low impedance output driver circuit realized as high current Class A design without global negative feedback the music flows unaltered, artefact free and with all its inherent energy to the next following input.

Another application for the **Black Cube Buffer** is the field of biamping where low efficiency woofers

are combined with much higher efficiency midrange drivers and tweeters like for example horn systems. In many cases the gain reserve for the woofer is insufficient. Here the **Black Cube Buffer** can be effectively used for level optimization.

Weak output stages of any line sources can greatly benefit from the **Black Cube Buffer**. Especially variable outputs of CD-players are very often dimensioned inferior. This is mostly the reason why a seemingly puristic combination of CD-player, power amp and speakers is sounding dissatisfactory in so many cases.

With the **Black Cube Buffer** such setups can turn into highlights!

Technical data:

Input impedance: 47 KOhms

Maximum gain: 0dB, 10dB, 20dB
switchable underneath
the unit

Maximum input level: 9V at gain 0dB
900mV at gain 20dB

Maximum output level: 9V RMS

Frequency response: 10Hz (-0.3dB)
to 60 kHz (-1dB)

Signal to noise: >95dB at 0dB gain

THD: <0.001%
at 6mW/300 Ohms

Channel separation: >70dB/10kHz

Output impedance: 60 Ohms

Power dissipation: <5W, internal, regulated power
supply

Dimensions: 280 x 110 x 44mm³
(case only)

Connectors (audio): gold plated RCA connectors with
Teflon isolation

Weight: app. 1.4 kg