

Black Box

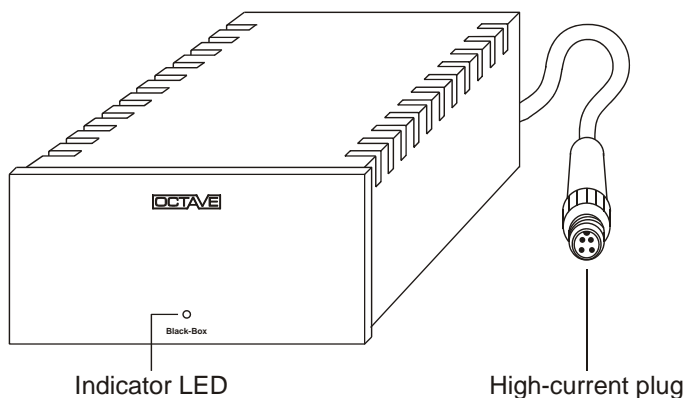
Description

OCTAVE, with the Black Box technology, offers an instrument to optimizing the OCTAVE amplifier in respect to the speaker. This flexibility is a unique feature of the OCTAVE brand.

The dynamic and tonal stability of an amplifier is strongly dependent upon the stability and capacity of the power supply, therefore the Black Box and Super Black Box were developed as external upgrades to the OCTAVE amplifiers' power supply storage capacitors by increasing their capacitance by a factor of 4 (Black Box) or 10 (Super Black Box), respectively. This is a tremendous benefit if the speaker is difficult to drive. Loudspeaker efficiency is made less critical, while the amplifier is enabled to handle speakers with minimum impedances as low as 2 Ohms.

The power supply capacitance increase realized via use of the Black Box or Super Black Box stabilizes current delivery and reduces the impedance interaction of the load. This improves dynamic range, separation, depth, soundstage size and articulation, rendering the musical reproduction clearer throughout the entire frequency range. The amplifier remains unaffected by mains variations and interferences due to the noise filtering characteristics of the capacitors.

Operation



The LED illuminates continuously when the power amplifier is on. The LED goes out when the protection circuitry trips. This is normal, as the protection circuitry cuts the power to the amplifier.

Specification

Dimensions	170 x 97 x 257 mm (W x H x D)
Weight	2.5 kg
Connection cable	Length: 70 cm. Longer lengths available upon request.

Connecting to the amplifier



- Important! Before connecting the Black Box, **switch the unit off using the power switch and wait for 1 minute.**

When inserting the connector, guide the anti-rotation lug carefully into the mating recess in the socket.



- When you switch the amplifier on, the LED on the front panel of the Black Box will illuminate.

Note: The LED on the Black Box goes out when the amplifier's electronic protection circuitry is activated, as the protection circuitry shuts off the power to the amplifier.

- Should you wish to disconnect the Black Box, switch the amplifier off first and **wait until the LED on the Black Box has gone out.**

Safety instructions and partnering amplifiers

Do not open the case

Because of the dangerously high voltages inside this unit, only qualified personnel should open the case.

Location

OCTAVE equipment is designed strictly for use in a dry domestic environment. Do not use it in the open air or in damp environments! Never place plants or liquid-filled containers on the equipment. Care should be taken to avoid objects falling into or liquids being spilled into the case. Should this happen, remove the mains plug immediately and have your amplifier checked by a qualified service technician.

This instructions you can also find in the
owner's manual of your amplifier.