

EX-362D Stereo integrated amplifier 2x80W Class-A

Highlights

- ✓ High-End Series
- ✓ Class-A amplifier
- ✓ Opt. & Coax. inputs
- ✓ Pre-Out
- ✓ Optional board slot



EX-362D This built-in stereo Class-A amplifier has an output power of 2x80W RMS into 8 ohms and 2x155W into 4 ohms. True "technology showcase" brand, BC Acoustique's engineers have put all their know-how without any budget constraint. The result of over two years of development, it integrates many technologies usually reserved for incomparably more expensive products.

HIGHLIGHTS

- Class-A amplifier
- High quality manufacturing
- High-end components
- Dual-power supply
- Optical and coaxial inputs
- Possibility to add optional board: Phono (MM/MC), DAC (24/192), Network...

Pre amplifier section

XLR line in (LINE 1)

Sensitivity: 600 mV / Impedance: 47 kOhms

RCA line in (LINE 2, LINE 3)

Sensitivity: 600 mV / Impedance: 47 kOhms

SPECIFICATIONS

Power 2x80W RMS into 8Ω and 2x155W RMS into 4Ω

Distortion ≤ 0,004% (1kHz, 1W)

Signal/noise ratio ≥ 91dB

Bandwidth: 20Hz-20kHz

Input impedance: 47 kΩ

Output impedance: 4-8 Ω

Connectors

1x XLR balanced stereo line input (LINE 1)

2x Unbalanced RCA stereo line inputs (LINE 2, LINE 3)

1x Optical and Coaxial input (DAT)

1x Input option board card (OPTION or LINE 4)

1x Stereo output Pre-Out RCA and XLR

1x Trigger output (Jack mono 3.5 mm)

1x Headphone output on the front (Jack stereo 6.35mm)

Speaker terminals screw-compatible with banana plugs & fork

Dimensions (LxHxP): 460x180x464 mm

Weight: 27 kg

EAN CODES

Black finish (B): 0820103857147

Silver finish (S): 0820103857154

DEEE

4.4 = 0,84 € H.T.



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MORE..

The power supply unit is based on a massive EI transformer type of very high current capability (750VA). The preamplifier and differential stages are the ones powered by a "C-Core" transformer with very low noise. The gain control is performed from a network of non-inductive resistor controlled by a precision encoder. The source switching is performed by relays. All parties have sensitive and specific shields and the overall architecture has been optimized for the best signal path. Finally, the output stages use five pairs of audiophiles transistors mounted sinks generously dimensioned to achieve exceptional power for this type of technology.

FUNCTIONS

The front panel of the EX-362D has touch buttons lighting up a soft white when on. Thus, the amplifier offers a choice of four stereo inputs (including the Optional input). Pressing the corresponding button activates a relay switch sources, unless one prefers to use the supplied remote. Line 1 input uses balanced XLR connectors.

The **DAC button** activates a digital input on the back of the amplifier button. It allows listening to the digital source connected to the amplifier through the integrated digital-to-analog converter. You can leave connect two sources (one on Optical input, and the other on the Coaxial input) and activate the one suits you the best by pressing the DAC button.

The **GAIN** control allows you to lower the overall gain (10dB) for all of your sources. This allows you to adjust the fineness of the volume control depending on the sensitivity of your speakers and your listening level.

The **volume adjustment** is provided by a network of resistors and non-inductive accurately switched by relay of high quality. This device provides a highly accurate adjustment and perfectly neutral for the audio signal gain.

The **BIAS LEVEL** function adjusts the bias control power stages of the EX362D. When the light is off around the BIAS LEVEL knob, the EX362D operates in pure Class A up to 50% of its maximum power. But besides the EX-362D operates in class AB.

When the button is activated (and light), the polarization of power stages is at its maximum level, the EX-362D operates in pure Class A up to its maximum level.

Note: in pure class A, operation of the power stages results in significant heat dissipation and thus a high temperature external radiators. Therefore, if the amplifier is used in long period time with moderate use, we recommend using the intermediate level of polarization (unlit). This will effectively prevent significant heat dissipation unnecessary.

For purposes of security, EX362D has an automatic sleep after 12 hours of continuous operation and in case of an excessive temperature rise of the radiators.

The **LINE 3** input offers the possibility to use the EX362D as a stereo power block operating in a multi-channel system. At the touch of a button on the back of the amplifier (bypass), this input bypasses the preamp; its level depends, in this case, directly from the multichannel decoder. This is very useful if you wants, for example, connect your main speakers directly on another AV amplifier output.



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The EX-362D has an **integrated digital audio converter**. This module, with Cirrus Logic CS8416 digital interface and a Burr Brown PCM1793 converter configured to 48 kHz at 24 bits, has two inputs: One S / PDIF coaxial and optical Toslink connector on EIAJ. When selecting the DAC front panel or via the remote control, the button circle of white, indicating selection of the S / PDIF. A second press of the button illuminates its periphery in red to signal the switching of the optical input on EIAJ Toslink connector.

Note: the converter from the EX-362D does not aim to replace the converter with a high quality CD player. This is a basic input for the Audio-Visual sources eg.

To improve the flexibility of the EX-362D, it provides a **line level output**, from the preamplifier section, into RCA (unbalanced) and XLR (balanced) formats. This feature allows the addition of a power amplifier to perform a bi-amplification.

Finally EX-362D has a **phase tester** to optimize the "wiring direction" of connecting the power cord. It allows detecting the correct phasing of the power supply and reducing the leakage current at the minimum.

DESIGN

Preamplifier stages

DAC

Volume control resistor network

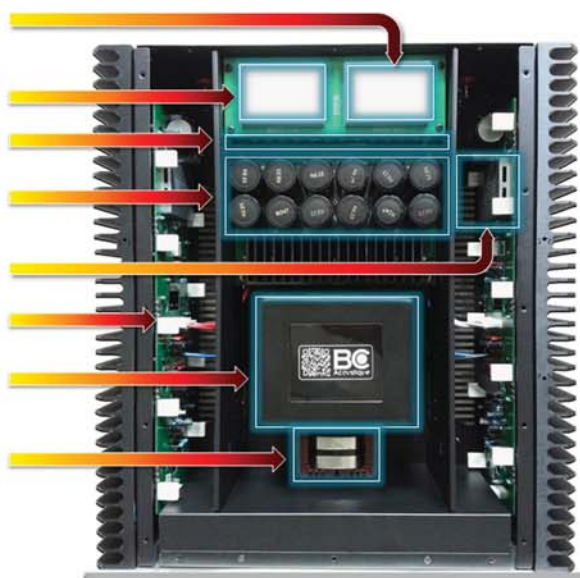
Filtering capacitors

Shielded differential input stage

5 pairs of audiophile transistors

EI Type 750VA transformer

C-Core Type transformer



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