

EX-332D Stereo integrated amplifier 2x120W

Highlights

- ✓ High-End Series
- ✓ Coax. & Opt. inputs
- ✓ Pre-Out & Sub out.
- ✓ XLR input and output
- ✓ Optional board card slot



EX-332D Positioned at the top of the EX Series, The EX332D not only to resume most relevant developments which his predecessors have enjoyed: it goes far beyond! It delivers 2x120W RMS into 8Ω and 2x200W into 4Ω. Its power is based on an oversized audiophile transformer of 700VA. It features XLR balanced input and output, 4 un-balanced inputs including an upgradable one able to receive different types of optional cards. It also includes a DAC that allows you to listen two digital devices (one optical and one coaxial). It provides an output "Pre-Out" to perform a bi-amping and 2 subwoofer mono outputs. A headphone output (jack 6,35mm) is also available.

HIGHLIGHTS

Power 2x120W or 1x380W into 8Ω and 2x200W into 4Ω
 XLR input and output
 High quality manufacturing
 High-end components (Transistors Toshiba 2SC5200/2SA1943)
 DAC Cirrus Logic CS8416
 Burr Brown PCM1793 converter (48kHz/24bits)
 Massive 700VA transformer
 6x10 000μF filtering capacitors
 High power resistors (1/2 and 1W)
 Class A preamplifier mounted in a separate shielded cabinet
 ALPS volume control potentiometer
 Input switching relay
 Possibility to add optional board: Phono (MM/MC), DAC (24/192), Network...

SPECIFICATIONS

Continuous average power under 8Ω: 2x120W or 1x380W
 Continuous average power under 4Ω: 2x200W
 Distortion: 0.05% (20 Hz - 20 kHz)
 Signal/noise ratio: 95 dB (1W)
 Bandwidth: 10Hz-30 kHz (0,5 dB)

1x XLR balanced stereo line input (LINE 1)
 2x unbalanced RCA stereo line inputs (LINE 2, LINE 3)
 2x S/PDIF: Optical Toslink and coaxial EIAJ 75 Ω
 1x Input option board card (or LINE OPTION 4)
 2x Mono line outputs Subwoofer
 2x Stereo outputs Pre-Out RCA and XLR
 1x Headphone output on the front (Jack stereo 6.35mm)
 1x Trigger output (Jack mono 3.5 mm)
 Speaker terminals screw-compatible banana plugs
 Detachable IEC power socket
 Remote control

Dimensions (WxHxD): 430x135x400 mm
 Weight: 18.7 kg

EAN CODES

Black finish (B): 0628586586451
 Silver finish (S): 0628586586468

DEEE

4.4 = 0,84 € H.T.



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The experience gained over the past two years has allowed us to evolve our specifications on many points. Powerful and versatile, the EX332D offers original technical solutions in this price range.

MORE...

Amplifier section

Power of 120 watts per channel into 8 Ohms (or 200 watts per channel into 4 Ohms), working up to 5 watts class A and class AB beyond, from a double push-pull parallel transistors complementary bipolar Toshiba 2SC5200 / 2SA1943, capable of delivering 15 amps each.

Knowing that the damping factor EX332D reaches 150, it can easily drive any speaker, even those who have difficult impedance curve. Feedback loops never exceed 10 dB gain, both to stabilize the amplifier and to avoid "flatten dynamics" musical reproduction. The power stages are equipped with high performance M-Cap capacitors.

Power stages of EX332D also feature bridged mode, accessible via a simple switch, causing them to generate 400 watts on a single channel (mono). To achieve a stereo system from the bridged mono mode, we equipped the EX332D of balanced line outputs on XLR connectors, to power, to the other channel, a second amplifier such as the EX532 (release in middle 2014), with the same power stages as EX332D.

In addition, we also provided the connection of this integrated to one or two active subwoofers (on 2 mono RCA outputs).

An oversized power supply

Based on a huge 700VA shielded and impregnated EI type transformer, the power supply uses 6 massive audio grade 10 000 μ F capacitors and Sanken regulator with high speed diodes. Thanks to the central location of the transformer, the EX332D is well balance when lifted.

For stand-by mode a dedicated low-consumption transformer is used. Its circuitry is controlled by manual, remote and external trigger input.



High performance capacitors M E-Cap



Mono Mode



Power supply with Capacitors and Transformer



6x 60000 μ Capacitors



Transformer 700 VA



Pre-amplifier board

A powerful preamplifier

This section has its own control circuits, independent of the power output stages. To protect the treatment of low-amplitude signals, the pre-amplifier circuits are fully shielded from the power supply. Its gain stages comprise a small number of JRC5532 operational amplifiers. Passive components are divided between the metal resistors 1% tolerance, film and electrochemical from Nichicon.



Pre-amplification regulator

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The volume adjustment is provided by a motorized ALPS potentiometer. Two other retractable buttons in the front panel ensure, if necessary, the Bass and Treble levels (± 5 dB).

The "Direct" function allows you to switch off the pitch correction, which prevents signal degradation in the crossover. This input is dedicated to use a AV integrated amplifier as a AV pre-amplifier and then the EX332D as a power amplifier for the main speakers of a complete AV speaker system.

The touch buttons from the front panel, unlike the supplied remote, control the logic circuits that operate relays to switch the inputs. The EX332D is designed to handle both analog and digital inputs. Line 1 input accepts a balanced signal on its pair of XLR.

The EX332D has an integrated Digital to Analog audio Converter. This module has a digital audio receiver Cirrus Logic CS8416 and converter Burr Brown PCM1793 configured in 48 kHz 24 bits. It uses has two inputs: A S/PDIF coaxial and optical Toslink connector on EIAJ plug.



ALPS Potentiometer



Inputs



Inputs board



Inputs relays



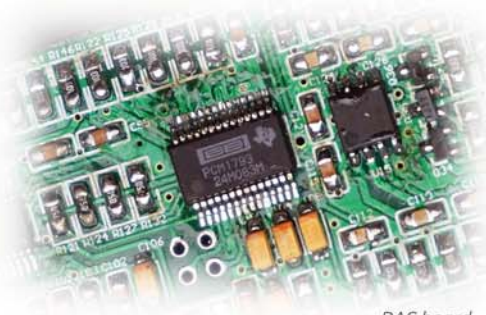
Pre-out & Subwoofer outputs

When selecting the DAC button in 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 indicate the switching of the optical input on EIAJ Toslink connector. So you can connect two digital sources on EX332D.

Note: So you can constantly connect two digital sources (one on the optical input, and the other on the coaxial input) and activate the one that suits you the best pressing the DAC button repeatedly.

Evolutionary...

Aware of technological developments in high-fidelity, we fitted inside the EX332D a location receiving an optional board card, sold separately. Thus, the line input can commute RIAA preamplifier, for example, to tune the signal of a turntable. One can also consider the inclusion of a DAC with USB input. You can install the optional boards in less than five minutes. It takes the place of the analog input "Line 4 ". We designed this integrated amplifier to meet almost all cases, to ensure its sustainability and allow you to evolve, according to your desires and technological changes of the high-fidelity.



DAC board



Optional board

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Pre amplifier section

(LINE 1) XLR Line in
 Sensitivity: 600 mV
 Impedance : 47 kOhms

(LINE 2, LINE 3)

RCA Line in
 Sensitivity: 600 mV
 Impedance : 47 kOhms

Adjustment

Bass (± 5 dB at 100 Hz)
 Treble (± 5 dB at 10 kHz)

Connectors

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 2x unbalanced RCA stereo line inputs (LINE 2, LINE 3)
 2x S/PDIF: Optical Toslink and coaxial EIAJ 75 Ω
 1x Input option board card (or LINE OPTION 4)
 2x Mono line outputs Subwoofer
 2x Stereo outputs Pre-Out RCA and XLR
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 Detachable IEC power socket
 Remote control

General

Product:

Dimensions (W×H×D): 430 x 135 x 400 mm / Weight: 18.7 kg

Box:

Dimensions (W×H×D): 500 x 205 x 465 mm / Weight: 22.7 kg

Volume: 0.048 m³

