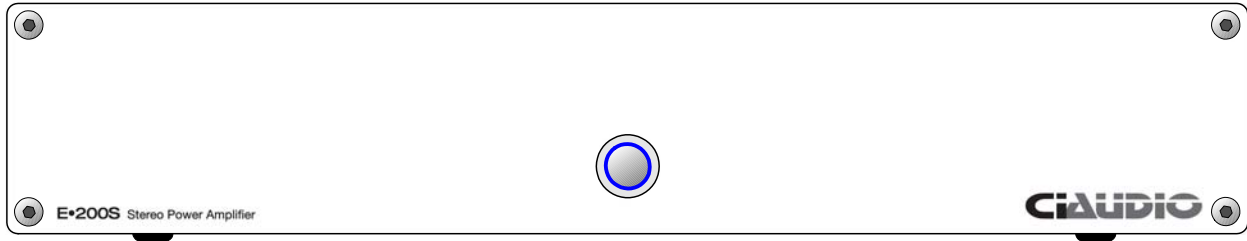




E•200S Dual Mono Amplifier



Thank you for purchasing the **E•200S** audio power amplifier.

Our **E series** amplifiers represent the latest in Class D amplifier technology, and offer many advantages over traditional amplifier designs:

- Flat frequency response and phase into any conventional speaker load
- Low distortion which is flat vs frequency
- Ultra low output impedance for excellent control of the loudspeaker
- High efficiency, which results in lower power consumption, low operating temperature, and high reliability
- Compact & light weight package

Handcrafted in USA

Design

- Power

The internal design of the amplifier consists of a power control circuit consuming less than a ½ watt of power . When turned on, this circuit feeds dual mono switched-mode power supplies... one for each channel. The on/off function can be controlled by the front panel switch or via the 12V trigger input on the rear panel.

- Audio Circuit

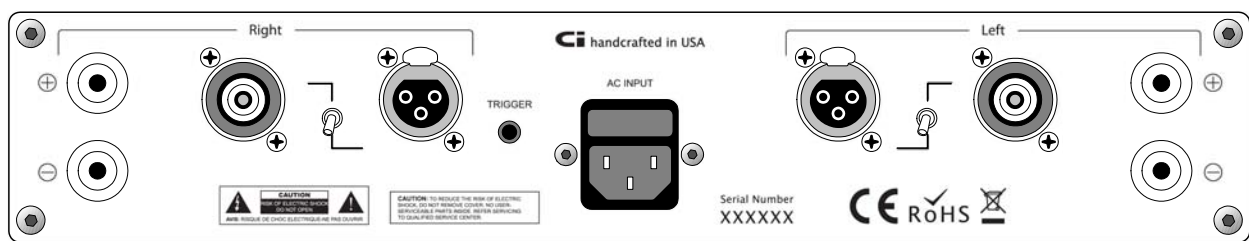
Input signals are connected via rear panel mounted RCA (single-ended) or XLR (balanced) jacks into individual differential pre-stage circuits with on-board regulation. Output of this circuit is then coupled to updated UcD Class D stages. These new & improved output circuits incorporate many advances found in the Hypex NCore technology.

Amplifier outputs are conveniently located on the rear panel. Speaker connections can be made in a variety of ways via the insulated 5-way binding posts.

The compact machined aluminum chassis provides heat dissipation for the direct-mounted power supply and audio output circuits. Due to the high efficiency of the circuits, the chassis will only be warm to the touch under normal conditions.

- Protection

The E series amplifiers are equipped with a variety of fault protections including DC, over-voltage, and short-circuit. AC Mains Fuse protection is also provided and easily accessible above the power inlet.



Connection

Before making any connections to the amplifier, find a suitable location which allows air to circulate around the chassis. Never place directly on top of/or underneath another component.

- Loudspeakers

Always make connections to the loudspeakers first. We suggest using heavy gauge cables to keep the output impedance low. The 5-way binding post can accept a variety of banana plugs, spades, pins, or bare wire... hand-tighten only as the use of pliers/tools can damage the insulators.

- Signal Input

The input signals can be connected using balanced (XLR) or single-ended (RCA) sources. When using balanced, the toggle switches are placed in the “up” position. For RCA the switches are placed in the “down” position. The switches control grounding for lowest noise and are not “input” switches.

ONLY 1 PAIR OF JACKS CAN USED AT A TIME

- 12V Trigger Input

If your source/pre-amplifier has a 12V Trigger Output (such as our PLC-1 Passive Line Controller), you can connect it to the Trigger Input of E200S using a compatible cable (3.5mm connectors).

This will allow control of the On/Standby function by the trigger source.

For 12V trigger operation, leave the front panel switch in the “off” position.

- AC Mains Power

AC Mains connection should always be made after all other connections. Once the AC has been connected, turn the source volume to a low level before turning on the amplifier. Once enabled, there will be a short turn-on delay of 2-3 seconds before the power indicator illuminates and the amplifier is ready to play music.

Set the desired playback level and ***enjoy the music!***

Warranty

Your CIAudio Product is covered by our 5 year Parts & Labor Warranty.
To obtain service, contact your dealer, distributor, or our factory.

Channel Islands Audio
567 W. Channel Islands Blvd., PMB 300
Port Hueneme, CA 93041 USA
Phone: 805.984.8282
Email: info@ciaudio.com
Web: www.ciaudio.com

Performance Specifications

Power Output:	200 watts per channel @ 8 ohms (both channels driven) 400 watts per channel @ 4 ohms (both channels driven)
THD + Noise @ 1kHz:	< .02% Max before clipping < .006% at 1 watt
Phase Error:	< 3° (20Hz~20kHz)
Input Impedance:	100k ohms
Gain/Input Sensitivity:	26dB/2.0V RMS (standard version) 32dB/1.4V RMS (high gain version)
Output Impedance:	< .035 ohms (20Hz~20kHz)
Operating Voltage:	120V Model (95~132V AC) 6A Mains Fuse 240V Model (185~260V AC) 4A Mains Fuse
Power Consumption:	< 0.5 watts (standby), 32 watts (idle), > 90% efficient at rated power
Dimensions:	14.0"W x 2.75"H x 10.0"D
Weight:	8.5 lbs. (actual), 10lbs. (shipping)

