

CEC.

64W+64W Control Power Amplifier

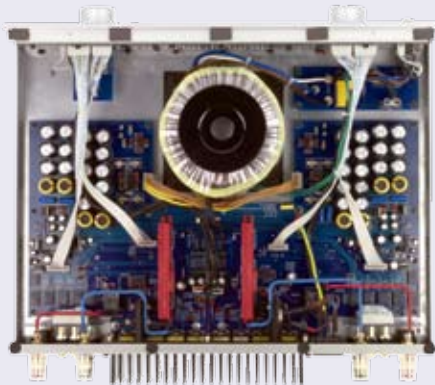
# AMP3800

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Best Buy Amplifier Featuring LEF Circuitry  
with Perfectly Symmetrical and Fully Balanced Design



The AMP3800 is a refined model based on the entry-class AMP3300R control power amplifier, widely popular for its cost-effectiveness. The AMP3800 features greatly improved functionality with its large-sized display and simple, user-friendly interface. Though it is still an affordable entry-class model, the AMP3800 has been refined with premium design elements, featuring vastly improved materials for its chassis and parts.



▲ Large gold-plated speaker terminals with plastic protective covers for use with extra-heavy speaker cables.

◀ A large heatsink on the back panel. Circuitry design is completely symmetrical.



▲ Terminals include a pair of balanced XLR inputs, four pairs of high-quality gold-plated RCA inputs, and a pair of REC outs.



▲ Black Version

### Perfectly Symmetrical and Fully Balanced Design

The AMP3800 is a class-A single-ended amplifier featuring LEF (Load Effect Free) circuitry, CEC's proprietary technology which uses only one voltage amplifier stage and one current amplifier stage, omitting the negative feedback circuit component which often results in sound signal distortions. LEF circuitry thus allows freedom from transistor characteristics, enabling straight and high quality audio reproduction. Furthermore, the AMP3800 features Intelligent Gain Management (IGM), a volume control system that adjusts the amplifier gain itself, completely eliminating signal loss by mechanical volume adjustment and achieving low noise and low distortion.

The AMP3800 achieves 64W+64W(8Ω) output power. With a large toroidal transformer placed in the center, its entire circuitry is symmetrical and fully balanced from input to output (power supply excluded). The left and right signals are processed through independent, dedicated circuitries to improve channel separation and to achieve high-quality stereo imaging.

### A Wide Variety of Input/Output Terminals

The AMP3800 features four normal RCA input connections and one balanced XLR input connection. Combined with a CD player featuring a balanced output, such as CEC's CD3800, the AMP3800 enables high quality music reproduction. The REC OUT terminal can be connected to a recording device, as well as active sub-woofers, etc.

### Miscellaneous Features

A high-efficiency heatsink placed in the middle of the back panel controls the internal heat and enables stable operation.

The AMP3800 also features a large display which indicates the status of the amplifier, such as input selection, and a simple and easy-to-use rotary selector switch.

### Specifications

Output power	64W x 2 (8Ω), 85W x 2 (4Ω)
Frequency response	5Hz - 185kHz, +0/-3dB (1W)
S/N ratio	105dB (A-weighted, 1W)
THD	XLR IN: 0.004%, RCA IN: 0.01% (1W)
Dumping factor	250 (1kHz, 1W)
Channel separation	100dB (1kHz, 10W)
Input sensitivity/Impedance	XLR: 1.3V/47kΩ, RCA: 0.65V/47kΩ
Gain	XLR: 30dB, RCA: 24dB (Max.)
Input terminals	RCA x 3, XLR x 1
Output terminals	Speaker Output x 1, RCA REC OUT x 1
Power Supply	AC120/230V, 50/60Hz (Specified on the rear panel)
Power Consumption	Min.38W, Max.300W
External Dimensions	Approx. 435(W) x 378(D) x 102(H) mm (incl. legs and terminals)
Weight	Approx. 10.3kg
Accessories	AC power cord, Remote control, AAA battery x 2, Owner's manual
Color	Silver / Black

\*Specifications and design are subject to change without notice.

**⚠ Safety Precaution** Be sure to operate this product properly once you have thoroughly read the owner's manual.