

## CE Series

### INTRODUCTION

The CE Series of Crown amplifiers are designed to provide high power with low distortion for use in audio applications. These amplifiers are designed to provide the optimum combination of power, features, and price. Crown guarantees to meet or exceed its published specifications and backs them up with a 3 Year Full No Fault Warranty. For a standard brochure please contact our literature department (1-800-342-6939/1-219-294-8200).

### OUTPUT POWER

STEREO RATINGS ARE PER CHANNEL AT 1KHZ WITH BOTH CHANNELS DRIVEN TO 0.5% OR LESS THD + NOISE

#### CE 1000

275W/Ch 8 Ohms  
450W/Ch 4 Ohms  
560W/Ch 2 Ohms  
900W Bridged Mono 8 Ohms  
1,100W Bridged Mono 4 Ohms

#### CE 2000

400W/Ch 8 Ohms  
660W/Ch 4 Ohms  
975W/Ch 2 Ohms  
1,320W Bridged Mono 8 Ohms  
1,950W Bridged Mono 4 Ohms

**Voltage Gain:** All Models: 20:1 at maximum level position (26dB)

**CE 1000:** 33.5:1 or 30.5 dB at 1.4 volt sensitivity (8 ohms)

**CE 2000:** 40.4:1 or 32.1 dB at 1.4 volt sensitivity (8 ohms)

### SONIC PERFORMANCE

**Frequency Response:**  $\pm 0.1$  dB From 20Hz to 20kHz at 1 Watt

**Phase Response:**  $\pm 15^\circ$  From 20 Hz to 20kHz at 1 Watt

**Signal/Noise:**  $>105$  dB A-weighted  $>100$ dB, 20Hz to 20kHz: Gain @ 20  
**Damping Factor:**  $>400$  From 10Hz to 400Hz

**IMD:** (60Hz and 7kHz @ 4:1)  $<0.1\%$  from 8 ohm rated power to -35 dB

**Crosstalk:**  $>55$  dB from 20Hz to 20kHz

**Input Impedance:** 20kOhm Balanced, 10kOhm Unbalanced

**Common Mode Rejection (CMR):**  $>70$ dB from 20Hz to 1kHz

**DC Output Offset:** (Shorted input)  $\pm 10$  mV

### CONTROLS & INDICATORS

**Front Panel:** On/Off Switch, Level Controls, Power Indicator, SPI Indicators, Clip Indicators, Fault Indicators, Power Circuit Breaker,

**Rear Panel:** Stereo/Bridged Mono switch, 1.4 V/26 dB Sensitivity Switch

### CONNECTORS

**Input:** Balanced Barrier Strip and combination 1/4"/XLR plug for each channel on standard input module

**Output:** Neutrik Speakon

**Rear panel RJ11 jack:** for connection to external user-built circuit for remote fault indication

### STRUCTURAL

**Weight:**

CE 1000: 32.6 pounds (14.79 kg)

CE 2000: 40.3 pounds (18.28 kg)

**Dimensions:**

5.25" x 19" x 12.5" (3U)

**Cooling:**

Fan on demand - proportional speed, from front to rear

**AC Power:** 120V 60Hz with detachable AC cordset (IEC female to NEMA15A male)

### CIRCUITRY DESIGNS

Output topology employs Class AB+B mode of operation where the driver transistors carry the bias current while the output transistors serve only as boosters. The output transistors sense when the driver transistors are developing significant current draw from the load and thus take over and deliver the needed current. The output stage is of a quasi-complementary format using no bias current into the output transistors themselves. The result is maximum efficiency with minimum crossover notch distortion and idling amplifier heat. The cooling system employs a variable speed on demand fan, and a highly efficient heat sink design for maximum cooling capability. Amplifier is protected against all common hazards that plague amplifiers, including shorted, open or mismatched loads; overloaded power supplies, chain destruction phenomena, input overload and high-frequency blowups. Crown's new SST (System Solution Topologies) modules provide expanded features, such as stereo crossover capability, and are easily installed on the back panel of the amplifier.

### Guaranteed Excellence



Crown International, Inc.  
PO Box 1000 Elkhart, IN 46515-1000  
Ph. 800-342-6939/219-294-8200  
Fax. 219-294-8301

<http://www.crownaudio.com>  
Fax Back: 800-294-4094 (North America)  
219-294-8100 (World Wide)

#### Trademark Notice:

Crown is a registered trademark, and CE and SST trademarks, of Crown International Inc. Neutrik and Speakon are registered trademarks of Neutrik.