

# AVAILABLE MODELS: CA-8000D & CA8000DX

# CA8000D/DX

## PROFESSIONAL AMPLIFIERS



### DESCRIPTION:

Apogee's CA8000D and CA8000DX amplifiers offer cost-effective performance for permanent installations and commercial sound. Suitable for high-end installations, the CA8000DX offers a state-of-the-art built-in DSP module for extensive and comprehensive signal processing including factory loudspeaker presets, turning the amplifier into a complete audio solution. The DSP module is PC remote controlled by intuitive System Control Manager software.

These CA amplifiers use the latest in amplifying technology. They provide unparalleled sonic quality, exceptional reliability, reduced heat output, and are 2-ohm stable. Both models are only two rack units high, and feature front panel level controls with supplied tamper-resistant covers to avoid any unwanted altering or inadvertent adjustment. Fully featured, the CA amplifiers offer balanced inputs and 4 pole Speakon connector outputs.

An intelligent system in the CA8000D and CA8000DX limits harmonic distortion by monitoring the transient behavior of the input signal. Speaker protection is provided by means of an ultra-fast crowbar circuit. Both models are equipped with a smart back-to-front cooling system for quiet, efficient cooling.

### HIGHLIGHTS:

- UNPARALLELED SONIC QUALITY
- EXCEPTIONAL RELIABILITY
- COST-EFFECTIVE DESIGN
- REDUCED HEAT OUTPUT
- HIGH-PERFORMANCE DSP MODULE (CA8000DX)

### QUICK REFERENCE:

*ALL POWER FIGURES PER CHANNEL*

#### CA8000D/DX:

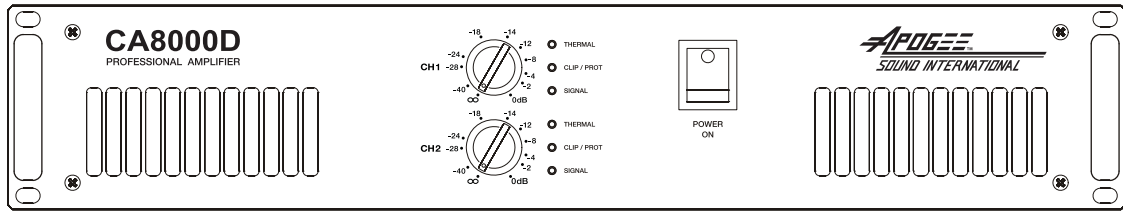
- 2 OHMS STEREO / 1420 WRMS
- 4 OHMS STEREO / 940 WRMS
- 8 OHMS STEREO / 550 WRMS
- 4 OHMS BRIDGED / 2840 WRMS
- 8 OHMS BRIDGED / 1880 WRMS

### APPLICATIONS:

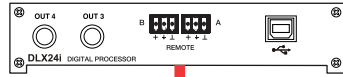
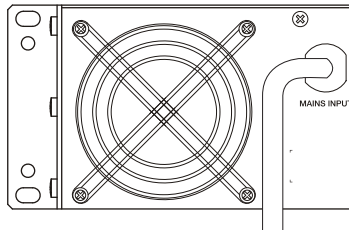
- CLUBS & RESTAURANTS
- MOVIE THEATERS
- EDUCATIONAL CENTERS
- BOARDROOMS & CONFERENCE CENTERS
- SPORTS VENUES
- MOBILE APPLICATIONS

**APOGEE**  
SOUND INTERNATIONAL, LLC

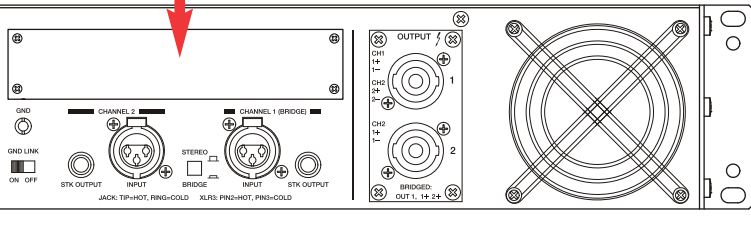
## CA8000D/CA8000DX FRONT VIEW



## CA8000D REAR VIEW



## CA8000DX REAR VIEW (DLX24i MODULE ADDED)



### TECHNICAL SPECIFICATIONS:

#### POWER 20 Hz - 20 kHz 1% THD:

|                      |           |
|----------------------|-----------|
| 2 OHMS STEREO .....  | 1420 WRMS |
| 4 OHMS STEREO .....  | 940 WRMS  |
| 8 OHMS STEREO .....  | 550 WRMS  |
| 4 OHMS BRIDGED ..... | 2840 WRMS |
| 8 OHMS BRIDGED ..... | 1880 WRMS |

PEAK POWER 2 OHMS/1 kHz/Stereo: ..... 2.95kW

IMD, DIST. 50 Hz & 7 kHz, 4:1: ..... < 0.08%

SLEW RATE: ..... ± 80V/μs

AMPLIFIER GAIN: ..... 36dB

S+N/N 20 Hz-20 kHz @ 1 W/4 OHMS: ..... > 85dB

CHANNEL CROSSTALK @ 1 kHz ..... > 75dB

POWER CONSUMPTION (MAX. OUT): ..... 3115VA

(PINK NOISE, 1/8 POWER @ 4Ω): .. 1426VA (2642 BTU/hr)

(PINK NOISE, 1/3 POWER @ 4Ω): .. 2160VA (3121 BTU/hr)

FREQUENCY RESPONSE (-1 dB): ..... 6Hz-50 kHz

THD+NOISE @ 1 kHz FULL PWR: ..... < 0.07%

DAMPING FACTOR 1 kHz @ 8 OHMS : ..... > 300

INPUT CONNECTORS: ..... XLR BALANCED

OUTPUT CONNECTORS: ..... SPEAKON

INPUT CMR/REF. MAX. PWR: ..... > 60dB @ 1kHz

INPUT SENSITIVITY / IMPEDANCE: ..... 0dBV / >20k OHMS

SIGNAL PRESENT INDICATOR: ..... -40dB

CLIP INDICATORS: ..... - 1.5dB BEFORE CLIP

ANTICLIP LIMITER: ..... 1% (FACTORY PRESET)  
OR 5% THD+N

DIMENSIONS: ..... 19"W x 3.5"H x 18.5"D;  
(482.6MM) W x (88MM) H x (470MM) D;  
2 EIU RACK SPACES

WEIGHT: ..... 50 lb./22.7kg

|                  |                   |
|------------------|-------------------|
| <b>CA8000D</b>   | <b>CA8000DX</b>   |
| (120V~)*         | (120V~ + DLX24i)* |
| <b>CA8000DE</b>  | <b>CA8000DXE</b>  |
| (240V~)*         | (240V~ + DLX24i)* |
| <b>CA8000DEC</b> |                   |
| (220V~)**        |                   |

\* Listed to UL Standard 60065 for US/Canada and CE compliant  
\*\* CCC certified for China

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