

CKi™ 800V Professional Installation Amplifier



With their proven track record, CKi amplifiers are designed for the most demanding contractor applications. With the ability to deliver audio, via CobraNet, and control on one CAT5 cable, the CKi series enables contractors and system designers to perform functions that other amplifier manufacturers simply cannot. By using Ethernet technology directly to the amplifier, the CKi series becomes an ultra scalable system capable of economically powering anything from the smallest building to the largest theme park or stadium.

Construction and Quality Control

The CKi Series is built exclusively in Crest's own USA manufacturing facility, with internal components selected for premium quality and proven durability. Each modular subassembly is pre-tested, and the assembled CKi amplifier receives a rigorous "hot room" burn-in before thorough final checkout on precision test equipment.

CKi 800V Features

- Legendary overbuilt power supply
- Rear-mounted attenuators with removable knobs
- Euro-style connection block, input and output
- Front panel labeling area
- Signal present, active, protect and ACL. LEDs (on front and rear of amplifier)
- PowerSave and sequential turn off (hardwired STO standard on all models)
- Fault I/O for connection to other monitoring systems
- Optional input isolation transformers available
- Five-year warranty

PowerSave

All CKi amplifiers come standard with PowerSave circuitry. This effectively reduces current draw and thermal emissions to a minimum when the amplifier is at idle. PowerSave operates by cutting off the bias current to the output stage after absence of signal is sensed at the input. When signal presents itself, PowerSave instantly restores the bias current after the first positive-going waveform. Current draw specifications while PowerSave is active are included in specifications under "Idle Current Draw."

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Output Power, 70.7V:	400 Watts
Max RMS Output Voltage (each channel):	92 Volts
Peak Output Voltage (each channel):	130 Volts
Frequency Response (+0 / -0.3dB, 1W/70.7V):	10Hz-20kHz, -3dB @148kHz
Power Bandwidth (full power, 1% THD+N):	10Hz - 20kHz, +0/-0.2 dB
TourClass® Protection	ACL, IGM, AutoRamp, short circuit, DC voltage, turnon/ off transient, current inrush, sub/ultrasonic input.
THD+N (rated power, 1kHz):	<0.1% @ 70.7V out
SMPTE IMD (rated power, 60Hz & 7kHz):	<0.1% @ 70.7V out
Input CMRR (1kHz):	>60 dB
Input Sensitivity (rated power):	1.77V @ 70.7V out
Standard Voltage Gain	X40 (jumper-selectable for X20 or .775V sens.)
Input Impedance (balanced/unbalanced)	>20k Ohms / >10k Ohms
Hum and Noise ("A" weighted, rated power):	-105 dB
Crosstalk ("A" weighted, rated power):	>-60dB
Class:	AB
Input Connectors (per channel):	Rear-panel barrier strip input, 4-pin Phoenix sequential turn-on/off connector on standard CC-STL module
Output Connectors (per channel):	Rear-panel barrier strip output
Filter Storage:	11,200 µF
Power Supply (factory configured):	100V-240V, 50-60Hz
Idle Current Draw 120V:	0.8A (PowerSave active)
1/8 Power Curr. Draw (typical music, 120V/70.7V):	7.0 A
1/3 Power Curr. Draw (cont. music, 120V/70.7V):	10.1 A
Max Curr. Draw (breaker rating, 120V/70.7V):	15.0A
Thermal Emissions (1/8 Power, 70.7V):	2540 BTU/hr
Thermal Emissions (1/3 Power, 70.7V):	3263 BTU/hr
Country of manufacture:	United States

Cooling: Variable speed, front panel mounted fan, front-to-side airflow
Controls: 3-position front panel On/Remote/Off switch, two rearpanel channel attenuators, AC mains circuit breaker
Indicators: Signal, ACL (one per ch.) Protect, Active
Construction: Steel chassis, 16 guage. Double thickness in rack ear areas.
Dimensions: 89 mm x 483 mm x 435 mm (3.5" x 19" x 17.3)
Net weight: 22.8 kg. (50.2 lbs.), Gross weight: 26.42 kg. (58.2 lbs.)

Warranty Five years parts and labor

All power measurements made at 120 VAC. 2 Ohm sine wave power is time limited by magnetic circuit breaker and is internal temperature dependant.

Crest Audio reserves the right to make improvements in manufacturing or design which may affect specifications. Crest Audio Inc.



Logo referenced in Directive 2002/96/EC Annex IV
(OJ(L)37/38,13.02.03 and defined in EN 50419: 2005
The bar is the symbol for marking of new waste and
is applied only to equipment manufactured after
13 August 2005



Commercial Audio

Features and specifications subject to change without notice.

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