

CKi™ 1600S 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 1600S 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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|---------------------------------|---|
| Rated power bridge mode 4 Ohms: | 2,800 Watts @ 1 kHz at <0.1% T.H.D. |
| Rated power bridge mode 8 Ohms: | 2,200 Watts @ 1 kHz at <0.1% T.H.D. |
| Rated power (2 x 2 Ohms): | 1,100 Watts per channel @ 1 kHz at <0.05% T.H.D. both channels driven |
| Rated power (2 x 4 Ohms): | 1,100 Watts per channel @ 1 kHz at <0.05% T.H.D. both channels driven |
| Rated power (2 x 8 Ohms): | 800 Watts per channel @ 1 kHz at <0.025% T.H.D. both channels driven |
| Minimum load impedance: | 2 Ohms |
| Maximum RMS voltage swing: | 90 Volts |
| Frequency response: | 10 Hz - 20 kHz; +0, -2 dB at 1 Watt |
| Power bandwidth: | 10 Hz - 20 kHz; +0, -2 dB at rated 800 Watts 8 Ohm power |
| T.H.D. (2 x 4 Ohms): | <0.02% @ 1,100 Watts per channel from 20 Hz to 20 kHz |
| Input CMRR: | >-60 dB @ 1 kHz |
| Crosstalk: | >-60 dB @ 1 kHz at rated power @ 8 Ohms |
| Hum and noise: | >-105 dB, "A" weighted referenced to rated power @ 8 Ohms |
| Damping factor (8 Ohms): | >400:1 @ 20 Hz - 1 kHz |
| Input sensitivity: | (x 40) 1.87 Volts ±3% for 4 Ohm rated power |
| Input sensitivity: | (x 20) 3.74 Volts ±3% for 4 Ohm rated power |
| Input impedance: | 20 k Ohms balanced, 10 k Ohms unbalanced |
| Current Draw @ 1/8 power: | 10.0 Amps |
| Current Draw @ 1/3 power: | 22.6 Amps |
| Class: | AB |
| Country of manufacture: | United States |

Cooling: Variable speed, front panel mounted, front-to-side airflow

Controls: On/Off/Remote switch (front panel), two attenuators, AC mains circuit breaker, mode, gain, ground lift switches (rear panel)

Indicators: Signal, ACL (one per ch.), Protect, Active

Protection: ACL (active clip limiting), IGM (instantaneous gain modulation), thermal, load, DC voltage

Connectors: 3-pin euro style for input, fault I/O, sequential turn on/off, barrier strip for output

Power connector: 30 amp twist lock

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: 35.39 kg. (78.65 lbs.), Gross weight: 32.08 kg. (70.65 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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