

# CA series power amplifiers



### CA power amplifiers – ultra clean - ultra efficient - ultra reliable

The CA range of amplifiers utilizes totally new technology featuring microprocessor controlled high frequency FET's. Sonic performance and efficiency are substantially improved by the CA range running at frequencies from 600KHz to 1.2Mhz depending upon the input signal, as opposed to conventional amplifiers which run at around 200KHz.

Due to ultra high efficiency - typically 85-90%, noisy and unreliable fans are eliminated in favor of aluminum chassis and side mounted heat sink extrusions making CA amplifiers that ultimate choice whether in the studio, on the road or in the club.

The CA series electronically uses a totally new technology, whilst the conventionally engineered toroidal power supplies avoid the associated problems of instant transient power delivery and unreliability of many commonly used switch mode designs – giving you the power you want when you want it.

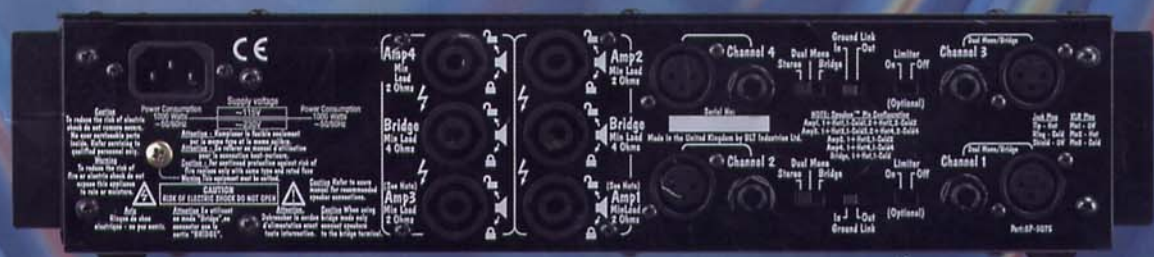
The CA range of amplifiers consists of three models, the CA600 – a two channel amplifier capable of generating outputs from 300W @ 2 Ohms per channel up to 600W when bridged @ 4 Ohms. The CA1500 – a two channel amplifier with outputs ranging from 750W @ 2 Ohms per channel up to 1500W when bridged @ 4 Ohms and the CA3000 which features four channels and output options ranging from 750W @ 2 Ohms per channel to 2 x 1500W Bridged when bridged @ 4 Ohms.

All CA amplifiers are fitted with speakon output connectors and a combination of XLR/Jack input connections. The input gain of the CA range is internally selectable via jumper links from +4dBu to 0dBu or to 26db gain. In line with the brand new technology used in the CA range all internal electronics are fully protected by auto resetting "PTC" fuses in conjunction with an overload cutout which is manually reset via the front panel. All CA amplifiers feature soft start circuitry and automatic output muting to avoid extraneous noise appearing at the speakers at turn on and turn off. Protection circuitry covers over and under voltage operation, short/open circuit load conditions and excessive input signals.

User options include a switchable Limiter and a VCA control

Model	Output Power per channel @ 1% THD				
	2 Ohms	4 Ohms	8 Ohms	Bridged 4 Ohms	Bridged 8 Ohms
CA600	300w	200w	160w	600w	400w
CA1500	750w	550w	350w	1500w	1000w
CA3000	750w x 4	550w x 4	350w x 4	1500w x 2	1000w x 2

- \* High Performance Ultra Hi Efficiency Power Amplifier.
- \* Distortion levels typically <0.02%.
- \* Intermodulation typically <0.02%.
- \* Frequency response +-1dB 5Hz-20kHz.
- \* Noise -94dBu.
- \* Input sensitivity 0dB/+4dB.
- \* Inputs Balanced via XLR.
- \* Outputs via Speakon Connectors.
- \* Full protection circuitry.
- \* Level displays on each channel.
- \* Convection cooling via side fins.
- \* 2U rack size.



\*110V Version CA3000 features dual power input sockets

## Laney

CA3000 rear

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# Laney Concept



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