

D400

2-Channel Digital Power Amplifier

Revolutionary Design

Incredibly Cool

Remarkably Clean

Low Impedance

ELAN's D Series Amplifiers are truly in a class all by themselves. These amps are the first amplifiers to embrace Class T digital technology, which provides the very best in performance, efficiency and sound for the space.

Typical amplifiers waste over half their energy as heat. The ELAN D Series of premium amps use Class T digital technology that is over 85% efficient. This means all power is produced as incredible sound rather than heat.

ELAN uses ACE™ which is our "Automatic Clip Eliminator" circuitry. This is an ELAN-engineered, patent-pending dynamic leveling circuit that makes all D Series amps virtually clip-proof, ensuring the cleanest power at all times.

The D400 is stable down to 2 Ohms, meaning that you can load it down with up to six 8 Ohm speakers. Perfect for large rooms with multiple speakers or outdoor areas that need lots of umph!

The Ultimate in Performance and Precision

High Class ("T" that is)

Class T digital technology optimizes the D400's switching frequency in order to produce the highest possible fidelity with all signal types. By removing switching artifacts and correcting variations between output transistors, the D400 boasts efficiency and THD + Noise specifications unreachable by traditional amplifiers. This translates into smooth, clean audio quality at all times.

High Power

This unique amplifier is stable down to 2 Ohms, increasing its power as the number of speakers increases. The D400 produces 80 Watts per channel @ 8 Ohms, 135 Watts per channel @ 4 Ohms, and 200 Watts per channel @ 2 Ohms to provide a flexible,

powerful solution – especially when connecting multiple speakers.

High Efficiency

Class T digital technology produces highly efficient (85% efficiency), clean power with very little heat. Most traditional amplifiers have about a 15% efficiency rating – the rest of their power is wasted heating up the equipment rack! Combined with ultra-low noise and THD specifications, the D400 is very cool!

High Intelligence

The D400 has a blue Vacuum Florescent Display (VFD) that provides for easy channel level setup and lockout. Multi-color LEDs indicate signal presence and clipping. ACE Automatic Clip Eliminator, a microprocessor-controlled dynamic leveling circuit, eliminates

clipping without audio degradation typical with traditional clipping circuits. Each output is continuously monitored for signal clipping. This translates into accurate, high-quality audio reproduction at all volume levels.

The Lowdown

The D400's low profile design provides maximum power for minimum space, taking up only a single rack height. Its low-impedance capabilities mean that multi-speaker applications are not only possible, but actually maximize the output of the amplifier! Extremely efficient, the D400 utilizes cutting-edge technology like ACE Automatic Clip Eliminator and Class T technology to minimize heat, noise, and distortion while maximizing power and audio quality. Truly the lowdown on high performance.



Compact, Powerful and Very Cool

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ELAN
HOME SYSTEMS

Features & Specifications

General

- Single Rack Space High
- 2 x 200 Watts per Channel RMS into 2 Ohms
- 2 x 135 Watts per Channel RMS into 4 Ohms
- 2 x 80 Watts per Channel RMS into 8 Ohms
- Class T Digital Technology
- Low Heat/High Efficiency (85%)
- ACE™ Automatic Clip Eliminator
- Buffered Loop Outputs for Each Channel
- Easy to Configure for Stereo or Mono
- Blue Vacuum Fluorescent Display
- "Lockout" Feature Fixes Level Settings
- Individual Channel Level Setup via Front Panel Buttons
- ETL® Listed and CE Approved

Audio Section

Power Rating - RMS

Output Power (2 CH Stereo)200W RMS @ 2 Ohms/Ch

Output Power (2 CH Stereo)135W RMS @ 4 Ohms/Ch

Output Power (2 CH Stereo)80W RMS @ 8 Ohms/Ch

Frequency Response20Hz to 20kHz,+/-0.5dB into 8 Ohms

Full Power Bandwidth10Hz to 50kHz

Signal-To-Noise>102dB (A-weighted)

Channel Separation>70dB (channel to channel @ 1kHz)

Total Harmonic Distortion< .04%

Intermodulation Distortion< 0.1%

Voltage Gain (AV) Continuously Variable from 0 - 27

Slew Rate>20V/microsecond

Input Impedance49k Ohms

Input Sensitivity0.90VRMS (150W @ 4 Ohms)

Connectors

Input/Loop Outputs Gold RCA Phono

Speaker Outputs. Five-Way Binding Posts

Power

AC Power Requirements 120 VAC, 750 Watts

Current Draw5A @ 120 VAC

Power SupplyUltra-High Efficiency Toroidal Transformer

Triggers

Remote Trigger Input. 5 to 24 Volts AC/DC

Trigger Loop Output +12VDC @ 0.1A

Dimensions/Weight

Dimensions (Shelf-Mount) 17"(W) x 1 3/4"(H) x 15"(D)

43.18cm(W) x 4.46cm(H) x 38.10cm(D)

Rack Face19"(W) X 1 3/4"(H)

48.26cm(W) x 4.46cm(H)

Weight 22lbs/10kg

- Rack-Mount Model # D401
- International Model # D400240
- International Rack-Mount Model # D401240

ELAN Home Systems reserves the right to change hardware and specifics without notice.



Two Year Limited Warranty

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