D1650
16-Channel Digital Amplifier

Sweet Sixteen

With 16 channels of digital amplification stable down to four Ohms, the D1650 has all the channels and power you need for any distributed audio application – and it happens to be the perfect companion to ELAN's 8-zone A/V controller – the System12.

Digital Cool

Waste not - want not. Class T digital technology means the D1650 is not wasting its energy producing heat which, in turn, won't leave you wanting for more power and better sound.

Clip Proof!

Once again, we've pulled an ACE out of our deck…ACE™ Automatic Clip Elimination, that is - a dynamic leveling circuit developed by ELAN that makes all D Series amplifiers virtually clip proof!

16 Channels of Clean, Cool Power

More Channels

The latest in the D Series line of Digital Power Amplifiers, the D1650 has 16 channels of amplification rated at 60 WPC RMS into 4 Ohms and 45 WPC RMS into 8 Ohms. These 16 channels can be configured to power up to 8 stereo zones, 16 monaural zones, or any combination of the two – making it the ideal amplifier for the System12, ELAN's 8-zone multi-room A/V controller. Of course, with 16 channels of great sound, the D1650 also happens to be the ideal amplifier for just about any distributed audio system.

Wonderfully Flexible

The D1650 allows for easy configuration of its inputs and outputs. A and B stereo busses allow you to route one set of inputs to other inputs without the use of additional cables. Buffered loop outputs for each channel make it easy to configure multi-room listening areas in either stereo or mono. Eight 12VDC trigger inputs allow each pair of channels to be powered up and muted independently. A 12VDC trigger output can be used to turn on or mute additional amplifiers.

Runs Cool

Class T Digital Technology gives the D1650 an 85% efficiency rating – a spec unreachable by traditional Class-A/B amplifiers. Class T also has a THD + noise specification of less than 0.04% - a spec unattainable by Class D amplifiers. This low-heat/high-efficiency design, combined with an ultra-high-efficiency toroidal transformer and 200,000 uF bulk storage capacitance, ensures that all 16 channels can deliver their full-rated power at the same time. Even when it's running all-out, the D1650 remains cool and sounds clean.

Looks Cool

The D1650 has a cool-blue LED display that shows the level settings for each channel. Channel levels can be individually adjusted via front panel buttons, and the 'lockout' feature ensures that finely tuned level settings cannot be inadvertently changed. Sixteen blue LEDs indicate signal presence for each channel. Sixteen red LEDs indicate clipping and the automatic activation of the ACE™ circuitry. Very cool indeed.

Sixteen Channels of Digital Cool.

ELAN
HOME SYSTEMS

- 16 x 60 WPC RMS into 4 Ohms,

  16 x 45 WPC 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

- A and B Bus Inputs and Outputs

- Blue LED Display

- 'Lockout' Feature Fixes Level Settings

- Only Three Rack Spaces High

- The Ideal Companion Amplifier to the System12

  8-zone Multi-Room A/V Controller

- ETL® Listed and C-tick Listed, CE Approved

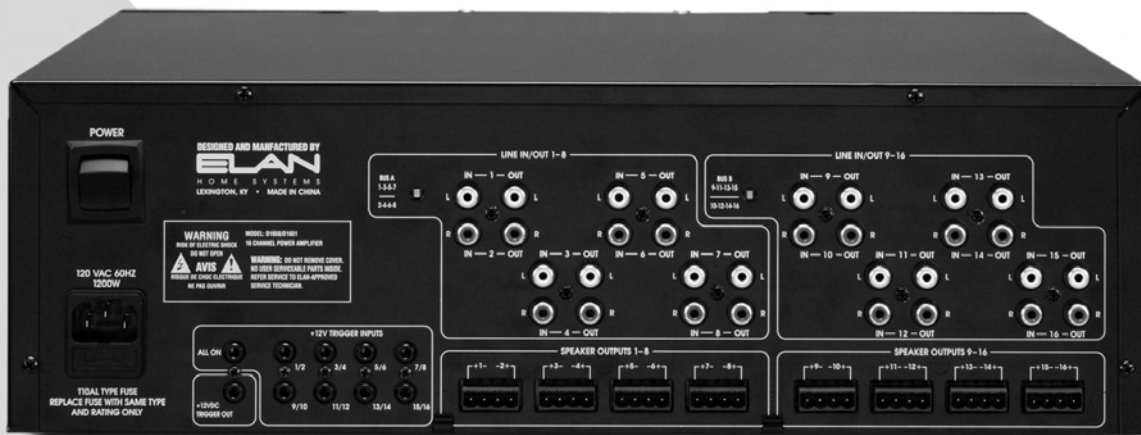- Another ELAN Award-Winning Product

General

System . . . . .16-Channel Digital Power Amplifier

Power Output (RMS) . . . . .60WPC @ 4 Ohms, 45WPC @ 8 Ohms

Frequency Response . . . . .20Hz to 20kHz, -.3dB into 8 Ohms

Full Power Bandwidth . . . . .10Hz to 50kHz

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

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

Total Harmonic Distortion: . . . .< .04%

Intermodulation Distortion . . . .< 0.1%

Input Impedance . . . . .49k Ohms

AC Power Requirements . . . . .120VAC, 1200 Watts

Power Supply . . . . .Ultra-high efficiency toroidal transformer

Remote Trigger Inputs . . . . .5-24V AC/DC

Trigger Loop Output . . . .+12VDC @ 0.1A

Dimensions

    D1650 . . . .(in.) 17 W x 5-13/16 H x 17 D

    . . . . (mm) 432 W x 148 H x 432 D

    D1651: . . . .(in.) 19 W x 5-1/4 H x 17 D

    . . . .(mm) 483 W x 134 H x 432 D

Weight . . . . .55 lbs/25.5 kg

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

Two Year Limited Warranty

www.elanhomesystems.com

ELAN

HOME SYSTEMS

Life Just Got Better®