Introducing the ELAN S1616A amplifier/controller — a new class of multi-zone, multi-source capability. Built upon the foundation of ELAN’s legendary D16 digital power amplifier, the S1616A offers unprecedented flexibility and value.

Immensely Capable
Capable of combining 16 units into one system, the S1616A is configurable to support up to 16 stereo inputs, 64 unique zones and 128 stereo or 256 mono outputs. As a multi-zone/multi-source amplified controller it has no equal.

Superior Sound
The S1616A is your go-to choice for superior music performance. Rated at 50 watts per channel into 8 ohms and 75 watts per channel into 4 ohms, the S1616A has the capacity to drive your speakers to high output levels with clear beautiful sound.

Application Flexibility
With a wide variation in input and output configuration, the S1616A is perfectly suited for both residential and commercial projects.

More Inputs
Sometimes you simply cannot have enough inputs. In Dual Chassis configuration the S1616A provides an impressive 16 discrete stereo inputs.

User Friendly
The S1616A includes user enhancements to make operating the music system in any environment a real joy. In addition to Whole House Music it introduces Zone Grouping and House Scenes. Zone Grouping allows common areas, like the master suite, to be easily joined. House Scenes memorize the status and settings for all zones and allow them to be recalled with the press of a single button.

Feature Rich
The S1616A provides an abundance of controls to tailor the sound perfectly to each zone’s unique acoustic environment. Bass, treble and loudness are available per zone. Each speaker output may be configured for left, right or mono output. Each output also features high and low pass filtering, allowing high performance sub/sat speaker arrangements without additional electronics.

Open Communications
The S1616A is fully compatible with the ELAN C2 communications controller allowing house-wide paging and door chime announcement.

g! Enabled
The advanced g! programming and operating environment make the S1616A easy to configure and easy to use. While other systems require complex programming, g! requires only minutes.

Familiar Friend
In Amplifier Mode the S1616A is an astoundingly capable 16 channel amplifier with all of the capabilities of the D16 that it replaces.
S1616A Integrated Multi-Zone Audio Controller

Features

- Sources: Single Chassis – 8 stereo or 16 mono  
  Dual Chassis – 16 stereo
- Zones: Up to 64 unique zones
- Outputs: 16 expandable to 256  
  50w @ 8Ω, 75w @ 4Ω
- Outputs configurable as Left, Right, or Mono
- Crossover High and Low per output
- Individual Bass, Treble and Loudness per zone
- Level matching per output
- Level matching per input
- WHM, 8 Groups and 3 House Scenes
- Rack Mounting with included rack brackets
- ACE™ Automatic Clip Eliminator
- g! Required – Multi-Source/Multi-Zone works only with Home Controllers
- Amplifier Mode provides 16 channels of multi-room power*

Specifications

Input/Output

- Source Inputs .................................................. 8 stereo or 16 mono or combinations thereof
- Single Chassis – 8 stereo or 16 mono or combinations thereof
- Dual Chassis – 16 stereo

- Zones .................................................. 64 zones maximum

- Outputs .................................................. 16 independently assignable to zones by left, right or mono
- Single Chassis Mode – 16 independently assignable to zones by left, right or mono
- Dual Chassis Mode – 16 stereo assignable to zones

Triggers

- Music Sensing status available through Event Mapper on all inputs

Audio

- Output Power RMS ........................................... 75WPC @ 4 Ohms, 50WPC @ 8 Ohms all channels driven
- Frequency Response ........................................ 20Hz to 20kHz +/- 1.5 dB at 8 Ohms
- Full Power Bandwidth ...................................... 10Hz to 25kHz
- Signal to Noise ............................................. > 102 dB (A weighted)
- Channel Separation ...................................... > -70dB (channel to channel @ 1kHz)
- Total Harmonic Distortion .............................. < .04%
- Inter-modulation Distortion ......................... < 0.1%
- Input Impedance ........................................... 49k Ohms

Connectors

- Input/Loop Output ...................................... RCA Stereo
- Speaker Output ...................................... Gold Plated 5 Way Binding Post

Power

- AC Power Requirements .................................. 110 V, 50-60 Hz – 1300W
- Current Draw .................................................. 12A @ 120 VAC
- Standby Power Mode .................................. 21W

Dimensions w/Feet (3U w/o Feet) ........... (in.) 17 W x 5-7/8 H x 17 D  
  (mm) 432 W x 149 H x 432D

Product Weight: ........................................... 47.6 lbs / 21.6 kg

Shipping Weight: ........................................... 54.0 lbs / 24.5 kg

Certification .................................................. TUV, FCC, RoHS.

* NOTE: Please download the S1616A Amplifier Mode manual for standalone operation specifications and information.

Two-Year Limited Warranty

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