S1616A Integrated Multi-Room Audio Controller

- **g! Audio for every project.** Average or extra large, the S1616 handles them all with grace and power

- **More sources.** Eight to sixteen stereo inputs meet even the most demanding needs.

- **High fidelity, and lots of it.** Sixteen outputs of high quality digital amplification that can be expanded to an amazing 256.

Introducing the ELAN S1616A amplifier/controller – a new class of mulit-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

The S1616A retains all of the D16's standalone features and capabilities. If you are a D16 lover you may continue to specify the S1616A for your applications.*

ELAN®

S1616A Integrated Multi-Room 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

- Operates as a D16 in Amplifier Mode for any installation*

Specifications

Input/Output

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

Zones . . . . 64 zones maximum

Outputs . . . .
  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 manual and refer to Appendix B for D16 standalone amplifier mode specifications and information.**

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

elanhomesystems.com

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Two-Year Limited Warranty