

DS1625 Soundmasking Amplifier

tech spec_sheet
The industry's largest supplier of design-build soundmasking solutions



FEATURES

- Single-channel amplifier rated at 250 Watts of continuous power
- Internal transformer delivers full power rating at 8-Ohm, 4-Ohm, 70-Volt, or 25-Volt distribution
- Short circuit and thermal protection with automatic reset
- Variable speed fan and flow-through ventilation
- Signal, Peak, and Temp/Fault LED indicators on front and rear panel
- Level Control and input sensitivity selector on rear panel
- High-Pass filter selector on rear panel
- No front panel controls offer a clean appearance and prevents tampering
- Ready to mount into 2 RU (3-1/2" high) standard 19" NEMA rack equipment rack
- Conforms to AES grounding practices
- Rated at 100% duty cycle

GENERAL APPLICATION

Dynasound's DS1625 Soundmasking Amplifier is used to increase speech privacy in a variety of environments by amplifying the soundmasking mix throughout a soundmasking speaker network. The DS1625 is a dedicated single-channel amplifier that delivers a full 250 Watts of power into a direct or distributed soundmasking speaker system, offering the ability to perform in a variety of loads. The DS1625 is designed for reliable service in permanent installations demanding continuous use and comes complete with short-circuit and thermal protection with an automatic reset. Input sensitivity selectors, gain controls, and high-pass filter selectors are located on the rear panel to deter tampering. Signal, peak power, and temperature/overload can be monitored via LED indicators located on both the front and rear panels of the unit. Barrier post terminals provide trouble-free, dependable connections, assuring that a network of soundmasking speakers is receiving adequate and continuous power.

GENERAL DESCRIPTION AND OPERATION

Dynasound's DS1625 Soundmasking Amplifier will produce up to 250 Watts of continuous power at 8-Ohm, 4-Ohm, 70-Volt, or 25-Volt loads, respectfully. While the various impedance options are available through the unit's internal transformer, the most common power distribution method for large commercial soundmasking speaker networks is the 70-Volt line option. The DS1625 will accept either a low or high level, balanced or unbalanced input signal by simply making the appropriate selection of the input sensitivity switches and gain control located on the rear panel of the unit. The output impedance is selected by positioning the internal transformer's output jumpers, also located on the rear panel of the unit. If control of various zones is required, the DS1625's output can be routed first to Dynasound's DSRMP volume attenuation unit (*each unit is configurable with attenuation modules for 1 to 8 individual zones*), then to the individual zones' speaker networks.

The unit comes ready to use and mount into a standard NEMA (19") equipment rack. Additional installation information is available through Dynasound.

SPECIFICATIONS

Continuous Power

250 watts (*@4 ohm direct & other transformer outputs – 8-Ohm, 70-Volt, 25-Volt*)

Signal-to-Noise Ratio

> 90dB (*20Hz~20kHz*)

Total Harmonic Distortion

< 0.2%

Frequency Response

20Hz~20kHz

Input Impedance

20K Ohms (*balanced*)

10K Ohms (*unbalanced*)

Input Sensitivity

775mV / 300mV (*selectable*)

Physical

Dimensions: 3-1/2" high, 8-1/2" deep, 19" wide (rack mounted)

Power: 120 Volt, 60 Hz, Consumption: 900 Watts

Finish: Metal, Black finish

ORDERING INFORMATION

DS1625 Soundmasking Amplifier

Shipping weight: 24 lbs.