

DS1042

# Soundmasking Conditioner, Tone Control and Amplifier

## FEATURES

- Soundmasking generator, low pass filter, and amplifier – *all in one compact housing*
- Internal digital White Noise soundmasking signal
- 70-Volt distributed output
- Powerful 25-Watt Amplifier
- Low pass filter allows tuning of the soundmasking spectrum
- Accessible 3A fuse protection
- Barrier Post *and* RCA (*phono*) plug output jacks
- Can power zones up to 6000sq.ft.
- Rated for 100% duty cycle commercial usage
- Easy to use controls



## GENERAL APPLICATION

Dynasound's DS1042 Soundmasking Conditioner is a soundmasking generator, low-pass filter, and power amplifier in an easy to use neutral toned enclosure. The DS1042 is designed for use in soundmasking applications that require centralized control, yet space and/or economy are a consideration. The unit features a simple and clearly labeled controls for ease of use. It offers many of the most popular features usually found on larger centralized soundmasking systems, taking the place of various rack-type components. The DS1042 is effective in supplying dedicated soundmasking for up to 6000sq.ft. zone.

## GENERAL DESCRIPTION AND OPERATION

The DS1042 is a rugged, field-proven unit that generates a digital White Noise signal that can be tuned using a low pass filter control. This offers the flexibility to tune the soundmasking signal specific to the needs of any application.

The amplifier section can conservatively drive up to twenty-five soundmasking speakers or security devices continuously at a 70-Volt load distribution. The DS1042 is powerful enough to drive commercial soundmasking applications in open plan or partitioned spaces up to 6,000 sq.ft. The DS1042 has a potent one-channel (*monaural*) amplifier with large heat sinks. A two-zone system can be made by addition of another unit. The DS1042 requires only the addition of soundmasking speakers to be a complete soundmasking system.

Because of its compact size and light weight, the unit is shelf mounted and portable. It does not require any additional mounting hardware and will operate in any room environment with adequate ventilation.

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## **SPECIFICATIONS**

### **Sound Conditioning**

Internal soundmasking generator (*digital source*)

CMOS (*pseudo-random*) White Noise Spectrum

### **Tone Control**

Internal Low-Pass Filter with active front panel control (*user adjustable for fine tuning specific to use*).

### **Amplifier Output**

Soundmasking Speaker Output: Barrier Post *and* RCA (*phono plug*) jacks for 70-Volt distribution,

Conservatively rated at 25 Watts, continuous.

### **Controls**

Front panel master VOLUME control.

Front panel LOW PASS filter control.

### **Power**

Input: 120 VAC, 27 Watts, 3A Fuse

### **Physical**

Dimensions: 3-1/2" *high*, 7-3/4" *wide*, 8-1/4" *deep*

## **ORDERING INFORMATION**

DS1042 Soundmasking Conditioner/ Amplifier

Shipping Weight: 9 *lbs.*