

# Technical Data Sheet

Innovating the Future of Global Communications

# LMS-325 Active General Purpose Monitor Speaker



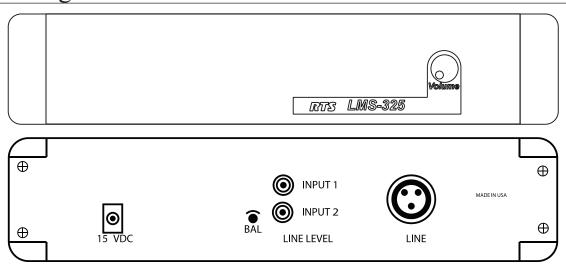
The RTS Model LMS-325 Line Monitor Speaker Station is an amplified, modular speaker that can be used to monitor one (1) or two (2) intercom or program channels. It features 5 watts of drive power and includes a wide range  $8\Omega$  speaker. The LMS-325 is in the standard 1 **RU** (Rack Unit), ½ rack width form factor of other RTS intercom products, including the RM-325 Intercom station, the MRT-327, MCE-325, SSA-324 and others. A large variety of mounting options and hardware are available to suit any application.

The LMS-325 has separate phono jacks for each program input and an XLR-3 connector for a 2-channel RTS intercom line. A rear panel adjustment allows the user to set relative levels between the two (2) input channels. The unit is powered locally from a supplied power pack to allow operation with dry audio signals and to prevent loading of the RTS TW intercom channels.

## **Features**

- Dual channel inputs from RTS TW Intercom or two (2) separate program inputs.
- · Full range 5 watt speaker and power amplifier
- Standard ½ rack width 1 RU configuration, compatible with MCE-325, MRT-327, LMS-325.
- Locally powered to allow use with any audio or intercom source.

## Line Drawings



# **Specifications**

#### General

Power Rating: 5 watts

Sensitivity: 90± 2dB/2.83V/meter on axis averaged over one (1) octave bands centered at 250Hz, 500Hz, 1kHz, 2kHz, 4kHz and 8kHz when enclosed in a sealed box with a volume of 1.3 liters.

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Frequency Response: 200Hz to 10kHz± 4dB on 1/10 octave measurements in a sealed box with a volume of 1.3 liters.

Free Air Resonance: 200Hz to 250Hz

Frequency Response: 200Hz to 10kHz ±1.5dB

Mechanical Noise: Free of buzzes and rattles with 5W

sinewave input from 100Hz to 10kHz.

**Environmental Requirements:** 

Storage: -20°C to 80°C (-4°F to 176°F); 0% to 95%

humidity, non-condensing

Operating: 0°C to 50°C (32°F to 122°F); 0% to 95%

humidity, non-condensing.

Dimensions: 1.72 in (44 mm) H x 8.2 in (208 mm) W x 8 in

(203mm) D

Weight: 2 lb 12 oz (1.25 kg)

### **Connector Pin Configurations**

Speaker Inputs

Type: RCA Phono Jacks

Tip: Audio

Sleeve: Common Type: XLR-3F Pin 1: Common

Pin 2: RTS Channel 1 audio Pin 3: RTS Channel 2 audio

**External Power** 

Type: 2.0 mm jack

Internal Pin: positive (+) 15VDC External Shell: negative (-)

#### **Speaker Amplifier**

**Note:** Specifications are for Input 1 with the balance control set for minimum attenuation. Specifications for Input 2 are identical.

Input Impedance: 10kΩ ±10%

Input Level: 0.77Vms

Output Amplifier Power: >5W, 4W continuous into  $8\Omega$  Signal-to-Noise Ratio: 75dB, reference 2W into  $8\Omega$ 

Total Harmonic Distortion: Less than 0.4% at 2W nominal Balance Control: 12dB maximum relative attenuation

## **Order Information**

LMS-325 • LMS-325 • 5 watt modular amplified loudspeaker

The specification information is preliminary and is subject to change without notification. Brand names mentioned are the property of their respective companies.

Date: January 2013



