

- Monitor Amplifier\*
- Microphone Amplifier\*
- Phonograph Amplifier\*
- Self-Contained Power Supply
- Compact Fully-Professional Unit

*\*interchangeable input panels*

## AM 2138 S POWER AMPLIFIER TRANSISTOR TYPE

Although an excellent amplifier for use in new construction, the AM2138S was primarily designed as a modernizing replacement for the older (tube-type) AM138S.

The interchangeable input panels allow considerable flexibility of application.

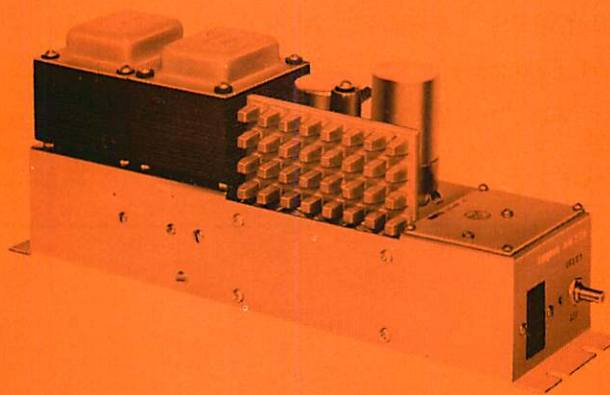
Small and compact, the amplifier may be mounted within a speaker housing. Or as many as four can be accommodated by a single

Langevin MF10B Mounting Frame. As compared to the electron-tube model, it generates very little heat.

Both the guaranteed and the typical specifications are shown on the obverse of this page. By comparison of the two, it will be seen that the guaranteed figures are quite conservative.

The amplifier cannot be damaged by overload and/or short-circuited operation.

# Langevin AUDIO EQUIPMENT



## SPECIFICATIONS:

(Basic amplifier without input panel.)

<b>Input Sensitivity:</b>	Approx. 105 mV to 250 K $\Omega$ control for full output.	<b>Distortion:</b>	Total harmonic generation will not exceed 0.5% over the range 50 Hz to 20 K, nor 0.1% at 1000 Hz at rated output power.
<b>Frequency Response:</b>	$\pm 0.5$ dB from 50 Hz to 20 K.	<b>Mains Requirement:</b>	120 V 50/60 Hz. Demands approximately 40 VA at rated output power level.
<b>Noise:</b>	At least 75 dB below full output.	<b>Size:</b>	Designed to be physical replacement for AM138, as well as electrical. 12 $\frac{3}{4}$ " long, 3 $\frac{1}{4}$ " wide, 5 $\frac{1}{4}$ " high.
<b>Output Impedance:</b>	Strappable 4, 8, 16 and 600 $\Omega$ load. (600 $\Omega$ output is also used for feeding 70 V lines.)		
<b>Maximum Output Level:</b>	+40 dBm (10 Watts).		

## ACCESSORY ITEMS:

The following are shipped with the unit . . .

Jones connector P-308-CCT (input)

Jones connector P-304-CCT (output)

General Electric connector GE-4317-11 (power)

The following is not shipped with the unit:

Langevin Mounting Frame MF10B.

Input panels will be shipped with the unit if ordered simultaneously.

## INPUT PANELS:

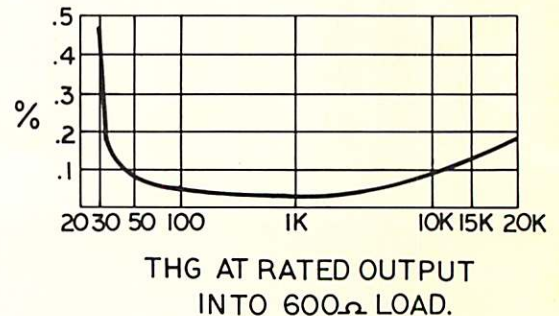
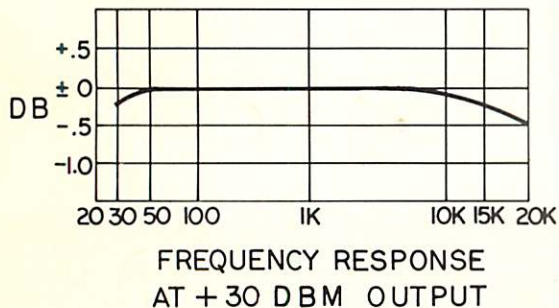
Low-Z Microphone Panel type GT. Available microphone input impedances 30, 150, 250 and 600 $\Omega$ .

High-Z Microphone Panel type LT.

Line Matching/Bridging Panel type MT. Available input impedances 150, 600, 5000, 20,000 $\Omega$

Phonograph Input Panel type KT. RIAA equalization for magnetic cartridges.

*If you order your input panel at the same time as the basic amplifier, the two will be factory-assembled and tested.*



## ARCHITECTS AND ENGINEERS SPECIFICATIONS:

Amplifier shall be Langevin Model AM2138S with Langevin type \_\_\_\_\_ input panel. It shall have self-contained power supply for 120 V mains, 50 or 60 Hz. Amplifier shall have continuous output rating of ten watts, +40 dBm, into

4, 8, 16, 600 ohms over a frequency range of 30 to 20K Hz. Frequency response shall be uniform  $\pm 0.5$  dB over range 50 to 15K Hz. Total harmonic generation shall be less than 0.5% at full power output over range 50 to 15K Hz, and less than 0.1% at full power output at 1000 Hz.