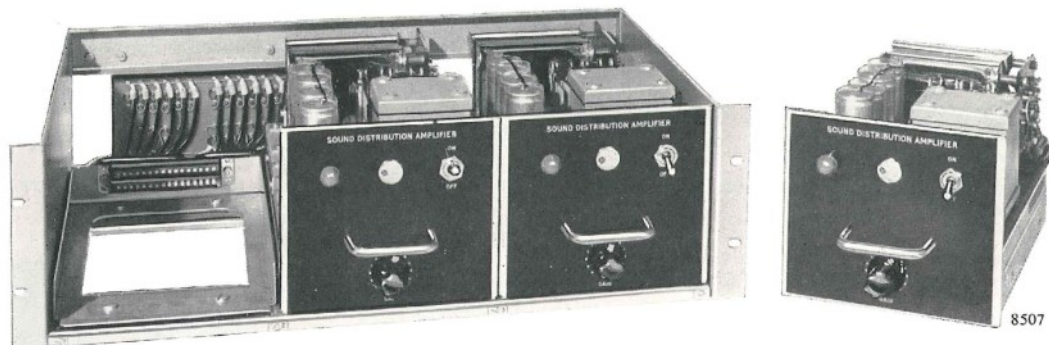




Sound Distribution Amplifier Type B 1309 (BD 967)



A typical assembly of three amplifiers in a mounting frame. This arrangement can provide 30 isolated outputs from 1 to 3 inputs.

THIS is a transistorized amplifier with a built-in a.c. mains power supply, giving 10 isolated outputs for a single input.

Two input impedances are provided, one for matching to a 600-ohm source, the other a high impedance (10 k Ω) for bridging arrangements.

The unit is normally supplied with ten 600-ohm isolated outputs, but other distribution arrangements may easily be allowed for.

Each amplifier has an input transformer preceded by a gain control and resistance network. This is followed by three push-pull stages of paired transistors.

The output stage is transformer-coupled to the 600-ohm isolating networks. The basic output impedance is kept below 7 ohms by the application of negative feedback. Three of these amplifiers, which operating in parallel can provide 30 discrete 600-ohm outputs from a single programme modulation, can be housed together in a single 19-inch panel occupying only 5 $\frac{1}{4}$ in. (13.3 cm) of rack space.

The weight of the panel assembly adds only 9 lb. (4.09 kg) to the triple amplifier combination.

For mobile application each amplifier can be supplied in a strong carrying case, 10 $\frac{1}{2}$ in. \times 5 $\frac{3}{4}$ in. \times 5 in. (26.7 \times 14.6 \times 12.7 cm).

Features

- Bridging or matching inputs.
- Up to ten isolated outputs.
- Suitable for any high-quality programme monitoring ring main system.
- Small and robust plug-in unit.
- Fully comprehensive design embodying a.c. mains supply unit with negligible heat dissipation.
- All components readily accessible for maintenance. Printed amplifier board easily detachable without tools or soldering.

Data Summary

- Input level (max.):** +16 to +24 dBm.
- Input impedance:** 600 Ω or 10 k Ω .
- Voltage gain:** -4 to +4 dB.
- Output level (max.):** +20 dBm.
- Output impedance:** 10 outputs each 600 Ω .
- Noise level:** -60 dBm.
- Frequency response:** 30 c/s -15 kc/s \pm 1 dB.
- Power supply:** 100-125 or 200-250 V, 50 or 60 c/s, single-phase a.c.
- Power consumption:** 25 VA.

Dimensions:

Height	Width	Depth	Weight
5 in.	5 $\frac{11}{16}$ in.	11 $\frac{3}{8}$ in.	8 lb.
(12.7 cm)	(14.4 cm)	(29.6 cm)	(3.64 kg)

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