

The 'Stereo 20' Power Amplifier

FUNCTION

The function of a power amplifier is to build up the relatively small signals accepted from a pre-amplifier to a magnitude capable of operating a loudspeaker system, and to achieve this with negligible distortions.

A stereo power amplifier, as built by Leak, is simply two identical power amplifiers electronically separate, but physically combined.

The "Stereo 20" power amplifier has a total power output of 20 watts, which is adequate not only for the largest room in a house but allows for the use of extension loudspeakers in other rooms.

EASE OF OPERATION

The only operation is to switch the amplifier on or off by means of the switch incorporated in the volume control of the "Point One Stereo" pre-amplifier.

EASE OF INSTALLATION

As explained above, you do not need operational access to the "Stereo 20", so it may be placed out of sight at the bottom of a cabinet, book-shelf or cupboard.

You can connect the "Stereo 20" to the "Point One Stereo" pre-amplifier in 30 seconds using the cables and plugs which we supply.

The twin leads from each of your loudspeakers connect to the "LOUDSPEAKER" terminals on the power amplifier marked unmistakably "L" (left) and "R" (right). This will take four or five minutes using only a screw-driver.

Finally, your two A.C. power supply leads and an earth (ground) lead are connected to a plug at the rear of the power amplifier in exactly the same manner as a domestic electrical appliance.

Four fixing feet are provided should you wish to secure the "Stereo 20" during transportation.

CRAFTSMANSHIP

"I can most certainly say at this stage that the workmanship and finish are of a quality which I have never before encountered in the radio industry, despite the fact that my association with the industry in one capacity or another extends back over 27 years. I think you are to be congratulated all the more on this achievement in view of the increasing tendency nowadays towards inferior workmanship and design."

Part of a letter from a purchaser of the "TL/12" amplifier who is a very well-known engineer and whose identity is known to the Editor of "Wireless World."

"For a number of years the Leak "TL/12" amplifier and pre-amplifier have had an enviable reputation for quality of construction as well as outstanding electrical performance."

"The quality of parts and workmanship throughout the "TL/10" is of a calibre not even approached by most American amplifiers, particularly at this price level. Terminal board construction is used throughout, with an overall effect which is gem-like."

"It is unmatched in quality of components and workmanship, and unexcelled in listening quality up to its maximum capabilities."

From "The Audio League" Report (U.S.A.) Vol. 2. No. 2. July 1956.

APPEARANCE and FINISH

The "Stereo 20" is finished in light bronze, stoved paint and all visible accessory fittings are in black. The general finishes are similar to the "TL/12" and "TL/10," which have operated for years in high-humidity, high-temperature locations such as Malaya and Hong Kong.

It is appropriate here to mention one of the basic principles of LEAK design. From long experience and by extreme attention to design details during development work on the pre-production models, we enable our craftsmen to achieve a high output per man-hour. The labour costs thus saved offset the increased costs incurred for high-grade materials, components and finishes, and this together with quantity production (made possible only by a world-wide market) explains how quality products may be sold at reasonable prices.