AMPLIFIER PYE 4073

Its function is to provide amplification from microphone to channel fader (low level plugging, high level mixing), group separation and line sending.

The amplifier is arranged in two sections, the input stage of 45db maximum gain which has variable controls and the output stage of fixed 35db gain.

Input Stage

Input impedance - 600 ohms - number of transistors 8

Two controls are located on the front panel.

(1) Toggle switch High/Low

High position maximum amplification

Low position 20db attenuator between the input transformer and the first transistor.

(2) The level control (molded track) giving variable attenuation of 25db achieved by the application of negative feedback.

Output impedance - 600 ohms.

Output Section

Input Z 10,000 ohms. Nunber of transistors 8

Push pull amplification. Output impedance 30 ohms.

The amplifier may be used in two ways:-

(1) The two stages are connected in cascade to provide maximum gain of 80db. The operational limits are (toggle switch high 55-80db)
(toggle switch low 35-60db)
Frequency response 60c/s to 8kc/s ± .2db - 30c/s to 15kc/s ± 1db

(2) The two stages are used separately and for different purposes such as Amp No. 2. A section in Group A/B. F/B. - B section in group A C/F.

Inputs and outputs are in some cases available on jacks, the following parameters being applicable.

