

MICROPHONE AND TELEPHONE MIXER PANEL MX1/6

See PA1/60

The MX1/6 (Fig. 1) forms part of microphone amplifier and mixer panel PA1M/60. Its purpose is to combine the output telephone conversation from the constant-volume speech amplifier AM1/6A with the 'clean feed' from the studio derived from the UN1/101-AM9/6A-AM6/3 chain. The amount of 'clean feed' is adjustable by a control on the front panel of the MX1/6, or by remote operation (as described in the Instruction on the PA1M/60) using a rotary or quadrant fader.

The MX1/6 also provides the feed from the studio to the telephone pair through the AM1/6A and contains a 'top-lift' network which may be cut in or out by a switch on the front panel. This network modifies the 280-3650-Hz band from the studio microphone by depressing the lower frequencies and accentuating the higher ones so as to give a response characteristic rising about 11 dB from 300 to 3000 Hz. Switching in the 'top-lift' network improves the intelligibility to the distant end when there is undue loss on the circuit.

The output from the internal sending amplifier AM7/3 on the PA1M/60 is brought out for convenience to a jack on the front panel of the MX1/6.

The use of the MX1/6 is indicated in Fig. 3 of the Instruction on the PA1M/60.

The unit is on a chassis CH1/18C with index pegs in positions 17 and 35.

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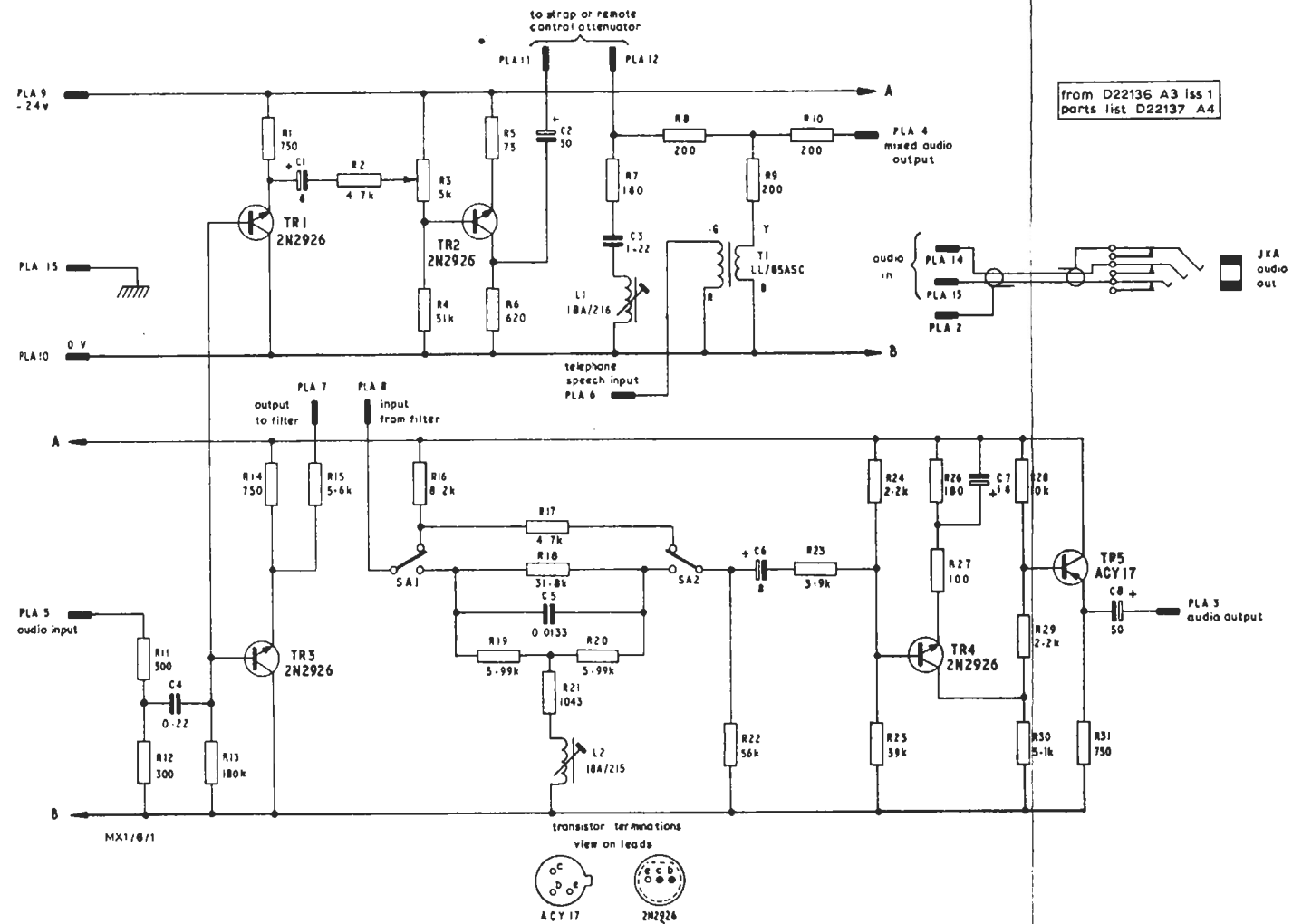


Fig. 1. Circuit of MX1/6