Technical Bulletin
No: 112 – Increasing Input Gain

Model: RS-6/12/18/24 **No:** 112

Subject: Increasing gain of input section **Date:** 03/03/95

Purpose: Certain customers may require more gain on a channel input than is normally supplied by the console's standard IAD components and gain jumpers. For example, this may occur when certain models of microphone are used.

Solution: Gain of a given channel can be increased by changing the value of resistors in the gain select circuitry on the internal six-mixer board.

Procedure: With channel sensitivity straps J5 and J6 in the "C" position (see Illustration I-1 in the manual), gain will be increased by 6 dB each time the values of R24 (left) and R37 (right) are decreased by half.

The console is set at the factory with 19.1 ohm resistors at R24 and R37.

Therefore, to increase gain by 6 dB, install 9.55 ohm resistors;

To increase gain by 12 dB, install 4.775 ohm resistors;

To increase gain by 10 dB, install 5.11 ohm resistors.

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