

5.2 MIXERS

The Buchla has two identical mixers located in the centre of the second panel down. Each has six inputs and two main outputs as well as a monitor output. At the bottom of each mixer is a microphone input with preamplifier. The microphone input jack takes a phone plug. Beside it is a switch for selecting "high" or "low" impedance according to the microphone to be used. To the right of the IMPEDANCE switch are a switch and pot which set the gain of the preamp. The switch has three different ranges but most microphone signals need to be boosted the maximum amount. The microphone input can also be used for a signal from some other source such as an electric guitar or electric piano.

Just above the preamp are the six signal input jacks ("A" through "F"). Above these are six yellow MONITOR switches. Putting any of these switches in the up position sends the signal from that input to the MONITOR output on the mixer. The six blue switches, when up, send the respective signal to the main SIGNAL outputs. The sliders are attenuators on the input signals going to the SIGNAL outputs. They have no effect on any signal going to the MONITOR output.

Above the four centre sliders are ASSIGNMENT pots which pan the signal between the "right" and "left" outputs. The input channels on either side of each mixer ("A" and "F") feature voltage controlled assign. Without any control voltage channel "A" is assigned to the left output and channel "F" goes to the right output. As a control voltage increases the signal pans to the other output channel. The two LED's below each control voltage input indicate which channel the signal is going to.

Across the top of each mixer, going from right to left, are two "right" channel output jacks, two "left" channel outputs, the MONITOR output, and two EXPANSION IN jacks. These last two jacks are actually a pair of inputs without attenuators, assign control, or access to the MONITOR output. The jack on the right goes directly to the "right" output and the left jack goes to the "left" output. These inputs can be used to link the two mixers to form one "12 in, 2 out" mixer. To do this simply patch the outputs of one mixer into the EXPANSION IN inputs of the other.