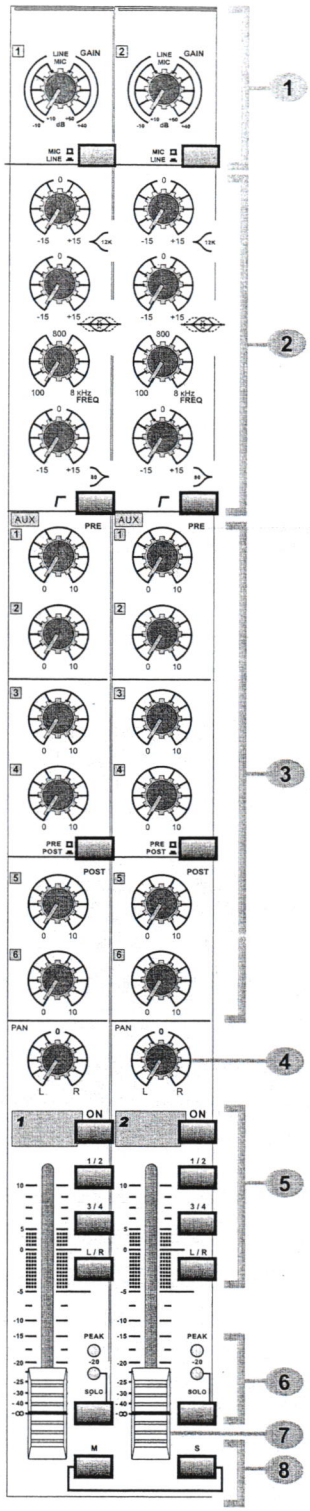

CHANNEL STRIP DESCRIPTION

Two inputs are available to the mono input channel, via XLR connector (normally for microphone sources) or 3-pole 1/4" phone jack for higher level signals such as keyboards, drum machines, synths or tape machines. Both input sockets are permanently active, and may be used by simply plugging the source into the required input. You do not need to unplug something from the mic socket if you want to use the line input. For CH1 to CH20, you have a mic/line switch which allows you to select microphone or line source.

An impedance balanced DIRECT output is provided, fed from the output of the fader buffer, which is therefore unaffected by the position of the routing switches or PAN control. This provides an ideal source for external processing units, the output of which may be brought back to the console through the stereo returns, or directly sent to the tracks of a tape machine or hard disk recorder for multitrack recording.

An unbalanced INSERT is offered which is a break point in the input channel signal path. It allows the signal to be taken out of the mixer, through an external device and then brought back into the console to continue through to the final output. The insert is a 3-pole 1/4" phone. jack, which is normally by-passed.

When a jack plug is inserted, the signal path is broken at a point just after the high pass filter, but before the EQ section. The signal from the channel appears on the TIP of the phone plug and is returned on the RING. The insert point allows compressors, limiters, effect and other signal processing units to be added as required to particular input channels and because it is located PRE EQ, noise generated by the external equipment may be reduced by a 15 dB of high frequency cut in the equalizer.

1 GAIN

This rotary knob adjusts the channel signal level. Too high, and the signal will distort as it overloads the channel. Too low, and the level of back hiss will be more noticeable and you may not be able to get a high enough signal level to the output of the mixer. Proper gain settings allow the mixer to work at the best operating level. Adjust the gain to where there is a signal present to the highest level without triggering the peak LED. That is the most appropriate position.

This gain has two indications to match either a microphone or line input signal. When you use the microphone input, please refer to the inside ring from +10~+60 dB; but when you use line input, please refer to the outside ring from -10~+40dB.

MIC/LINE INPUT SELECTOR

The Microphone input is via a XLR connector, the Line input is via 1/4" type phone jack. Please use only professional low impedance microphones and properly wired cables for best results. When you plug into the socket, connections can be either microphone or line level signal; we can change the input gain for MIC or LINE by using the MIC/LINE button to set the different