gain accordingly.

If you use a condenser microphone, it is required to send phantom power to it. The phantom power switch is located on the display section.

+48V Phantom Power and 5 switch buttons are available for all microphone input channels. All faders (Group 1, Group 2, Group 3, Group 4, Main, L/R and mono input channels) should be all the way down when you switch on phantom power. In order to prevent excessive noise to stage monitor speakers and main speakers. Phantom powered mics should not be plugged after the +48V has been switched on.

2 EQUALIZER

These equalizers are designed to suit different room acoustics, feedback control and improve the live PA sound. No amount of equalization will correct the frequency response curve of a poor loudspeaker. Always begin with all controls in the "0" position and avoid excessively cutting/boosting large segments of a peculiar frequency, which will limit the system's dynamic range or increase the possibility of an unpleasant feedback sound.

To make sound more impressive, dynamic processing is necessary. Channel inserts are designed to add-on a compressor, limiter or gate. Please refer to Phonic PCL3200 or MCL2000 for further information.

HIGH

Each input channel has a three-band swept mid EQ. Turn the HIGH to the right to boost high frequency, adding crispness to cymbals, vocals and electronic instruments. Turn to the left to cut this frequency, reducing sibilance or hiss. The control has a shelving response that gives 15dB of boost or cut at 12KHz.

MID

These two knobs work together as a MID frequency EQ section. The upper knob provides 15dB of boost and cut, just like the High EQ knob, but the frequency at which this occurs can be set by the lower knob over the range of 100Hz to 8KHz. This allows some true improvement of the signal in live performance, because the mid band covers the range of most vocals. Listen carefully when you use these controls together to find how particular characteristics of a vocal or guitar signal can be enhanced or reduced .Set the upper knob in the "0" position when not required.

LOW

The control has a shelving response that gives 15dB of boost or cut at 80Hz. Adding warmth to vocals or extra punch to guitars, drums and synths by turning to the right. Turn to the left to reduce stage rumble, hum or to improve a mushy sound.

LOW CUT

Depress this button to insert the 18dB per octave 75Hz low cut filter in to the signal path. This low cut filter is useful with live vocals to reduce stage rumble or popping from Mics. It can also be used to cut off low frequency hum.

