

## ISA 215

### Dual Channel Mic-pre and Equaliser

The controls on this module are identical for both channels and are described from left to right along the front panel .

Mains Power Switch - this is a mini rocker switch . When switched on , two LEDs indicate correct operation of the bipolar 15volt power rails .

Phase Invert Switch - A latching , illuminated push switch which inverts the phase of the input signal by 180°

Overload Indicator - illuminates when the peak of the signal level reaches or exceeds +20dB , which is 6dB prior to the onset of clipping.

High Pass Filter - Frequency selection is by a six way rotary switch with the highest position switching the filter out .

Low Pass Filter - Situated to the right of the High Pass Filter , frequency selection is again by a six way rotary switch with the highest position switching the filter out . Both filters have a rolloff of -18dB / octave and their operation is independent of the All EQ In switch .

All Eq In switch - An illuminated , latching push switch situated at the bottom left of the Low Frequency Shelving section . This is a master EQ switch which inserts the EQ circuitry into the signal path . This switch must be engaged to enable operation of the other EQ In switches .

Low and High Frequency Shelving Stages - The Eq In switch , an illuminated , latching push switch inserts the two equaliser stages into the signal path . This switch only operates when the All EQ In switch is engaged .

The controls for these two sections are identical , except for the frequency range of the stages. Each stage has a continuously variable boost and cut control with centre detent providing up to 16dB cut or boost . Each stage has a six way rotary switch for frequency selection with six frequencies available for each .

Low Mid and High Mid Frequency Parametric Stages - The Eq In switch , an illuminated , latching push switch inserts the two equaliser stages into the signal path . Again this switch only operates when the All EQ In switch is engaged .

The controls for these two sections are identical , except for the frequency range of the stages. Each stage has a continuously variable boost and cut control with centre detent providing up to 16dB cut or boost .

There is a frequency sweep control with two ranges, the higher range being available when the x 3 switch is engaged . Last but not least is a variable Q or bandwidth control.

Line Input - Selected when the momentary push switch “Line” is illuminated . A seven way rotary switch selects the Line Input sensitivity , ranging from -18dB to +18dB in 6dB steps

Mic Input - Selected when the momentary push switch “Mic” is illuminated . An eleven way rotary switch selects the Mic Input sensitivity , ranging from -60dB to 0dB in 6dB steps .

+48v - An illuminated , latching push switch providing phantom power to the Mic input XLR

Trim - A continuously variable control providing up to 12dB of gain trim which can be applied to either Line or Mic input .