

PL-2 Condensed Operating Instructions

IN/BYPASS Switch: With the switch in the 'IN' position, the peak limiter activated, and the LED near the switch is illuminated. When in 'BYPASS', the PL-2 is entirely out of the signal path.

INPUT: The INPUT control is an 11 position stepped switch that increases the gain of the input stage in 1dB increments from 0 (unity) to +10dB.

OUTPUT: The OUTPUT control is an 11 position stepped switch that increases the gain from 0 (unity) to +10dB, or decreases the gain from 0 (unity) to -10dB in 2 dB increments.

CEILING: The CEILING control determines the signal level at which the peak limiter is activated. It can be set from +22dBu to +10dBu. This encompasses the range of 'digital zero' most often encountered with typical A/D converters, as well as having additional margin for using the peak limiter creatively at lower levels. When the OUTPUT is set at unity gain, the CEILING control indicates the maximum output level.

JFET/MOSFET: The JFET/MOSFET switch determines which type of device is doing the peak limiting. The JFET gives a stiffer form of limiting, while the MOSFET is more forgiving. Due to the differing nature of the JFET and MOSFET devices, slight re-adjustment of the CEILING control may be necessary when switching between the two modes.

LINK: This switch links the two channels for stereo operation. The IN/BYPASS, CEILING and JFET/MOSFET controls are linked and controlled by Channel 1. The INPUT and OUTPUT controls are not linked and must be set individually.

I/O GAIN: With the switch in the 'IN' position, the Input and Output Gain switches for both channels are active. When the switch is OUT, the PL-2 is in unity gain mode and the INPUT and OUTPUT gain stages are completely bypassed. This shortens the signal path (desirable for mastering applications) and calibrates the maximum output level to the value set by the CEILING control.

LED Display: The 13 segment LED display gives a true indication of the amount of peak limiting applied to the signal. It displays the amount of peak reduction in 0.5 dB increments from 0 to -4dB, and 1 dB increments from 4 to greater than -8 dB. The LED ladder uses a 3 color scheme to indicate how audible the peak limiting might be on transient source material.

Multi-Unit Link: The MASTER OUT and SLAVE IN jacks permit linking several units for multi-channel applications. Connect the MASTER OUT from one unit to the SLAVE IN(s) of all linked units. When all units switched to 'Link', the CEILING control of Channel 1 of the master unit sets the ceiling of all slave units.