

# DRAWMER

## MX60 FRONT END ONE

The MX60 Front End One is a unique mic/line/instrument input channel in a single rack space providing high quality Drawmer processing prior to tape/hard disc recording. The MX60 is also ideally suited to project studio and live sound applications. Functioning as a studio grade mic pre-amp, 'Program Adaptive™' gate, de-esser, compressor, limiter, three band EQ and multi band 'tube saturation' stage, the MX60 offers the user more Options than competitive units currently available.

**Grass Roots** - The MX60 draws its technology from the most successful of Drawmer products. The mic pre-amp features the same discrete component design found in the legendary Drawmer 1960, the de-esser is derived from the MX50, the VCA based compressor is similar to the MX30, while the peak limiter and gate can be tracked back to the DL241 compressor/limiter.

**Input Stage** - The input stage may be switched to accept mic, line, or instrument level signals - the XLR mic input has switchable 48V phantom power and phase reverse, while the line input is on both a balanced +4dB TRS jack and an unbalanced -10dB jack. A high impedance Instrument jack is located on the front panel for use with electric guitars, basses, synths and drum machines.

**'Program Adaptive™' Gate** - Drawmer's proprietary 'Program Adaptive™' circuitry means that all the time constants are automatically optimised for the material being processed. This enables stable gating and eliminates 'chatter' around threshold. Controls via a single variable threshold and switchable fast/slow auto release.

**De-Esser** - Floating threshold de-ess operation where the de-esser automatically and continually readjusts its own threshold level. The MX60 de-esser is almost completely automatic requiring the user only to select a switchable male or female setting and to adjust the amount of de-essing required. Only the sibilant sounds are subjected to gain reduction so that the lisping effect of simpler de-essers is avoided.

**EQ** - High and low shelving sections as well as fully parametric mid range EQ with variable frequency, 'Q', and ±18dB cut/boost.

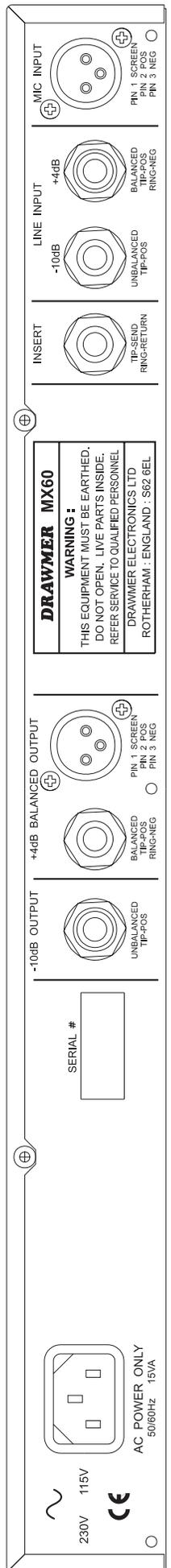
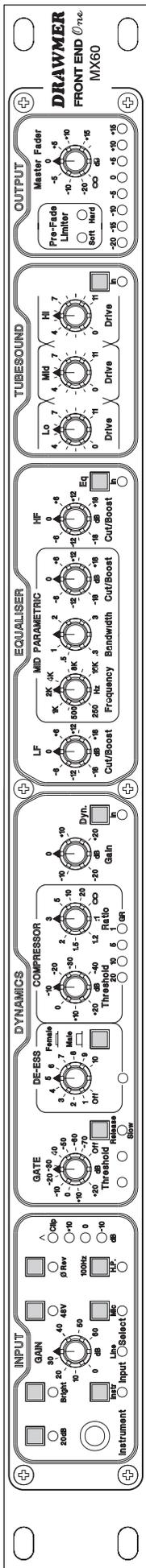
**Compressor** - High quality VCA compressor based on that of the MX30 and DL241. Both the attack and release times are 'Program Adaptive™' leaving the user with only ratio, threshold and make-up gain to adjust.

**Tubesound** - Multi band 'tube saturation' allows users to create subtle warming, high frequency effects or out-and-out obvious effects via three separate, independently adjustable audio bands. Low settings on all bands enable replication of 'classic' tube mic sounds.

**Output** - The output stage includes a limiter with a preset threshold (+16dB) and a variable master fader with output bargraph metering which sets the overall output level from OFF to +15dB. A two stage soft/hard limiting approach has been adopted with yellow and red LEDs signifying soft (approaching limit point) and hard limiting (hitting limit point).

**Inputs** - simultaneous balanced +4dB XLR and unbalanced -10dB Jack.

**Outputs** - simultaneous balanced +4dB XLR and balanced +4dB/unbalanced -10dB jack.



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