



## T-Komp 500

500-series mono compressor



Congratulations on buying the T-Komp 500. The T-Komp 500 has a unique design which offers a modern take on the old vari-mu ratio curve. The ratio is level dependent and increases with the signal level, a feature that will give you numerous possibilities.

To make it as useful as possible the T-Komp 500 has two ratio ranges. The first one goes up to 20:1, perfect for instrument tracking and smashing drums etc. The second one, 2:1, is a more narrow range which makes it more suitable for bus compression.

The RMS detector has five settings, four from fast to slow where number four, the slowest, is similar to the old 160VU. The fifth position is a program dependent adaptive mode.

It is also equipped with a blend control for parallel compression.

All controls are stepped for 100% repeatability.

## The parameters

**Threshold:** 41 steps.

**Make-up:** 0 to +20dB of gain in 41 steps to balance the compressed signal level against the input signal level.

**Blend:** Dry to compressed sound in 41 steps. Turning the knob clock wise will mix the original signal with the compressed signal.

**Timing:** RMS timing in five steps.

1. fast, most suitable for peak limiting.

2. medium fast

3. medium slow

4. slow (similar to the 160VU)

5. program dependent adaptive mode. To prevent unnecessary low frequency distortion the circuit acts slower for slow moving signals and faster for fast moving signals.

**2:1:** Selects a more narrow ratio range, more suitable for bus compression.

**In:** Engages and disengages the compressor. In bypass the output is connected directly to the input connector via a relay.

**Gain reduction meter:** The meter shows the average level (RMS) of gain reduction. The side chain circuit and meter are still active even if the compressor is disengaged by unpressing the In switch.

