



TK-lizer

The "Tone shaper"

Thank you for buying the TK-lizer, manufactured and hand-assembled in Sweden and thoroughly tested before leaving the factory.

The TK-lizer is inspired of the Baxandall circuit from the 50's. Dual three-band EQ with low and high bands switchable between peak or shelf. It also has a high-pass filter with 12dB/oct sloop, and of course a level control for fine adjustments of the output level. To make the EQ even more useful it's also equipped with a M/S circuit. All controls are stepped for easy repeatability.

The parameters:

Low freq: 28Hz, 48Hz, 72Hz, 132Hz, 195Hz, 255Hz, switchable between shelf or bell.

Mid freq: 400Hz, 630Hz, 870Hz, 1.3kHz, 2.4kHz, 7.2kHz. (picture shows 720Hz not 870Hz)

High freq: 4kHz, 7.2kHz, 12kHz, 16kHz, 20kHz, 25kHz, switchable between shelf or bell.

HPF freq: 25Hz, 30Hz, 35Hz, 40Hz, 45Hz, 100Hz*, 12dB / octave.

Boost/cut: -4dB, -3dB, -2dB, -1dB, -0.5dB, 0dB, +0.5dB, +1dB, +2dB, +3dB, +4dB.

Level: -4dB, -3dB, -2dB, -1dB, -0.5dB, 0dB, +0.5dB, +1dB, +2dB, +3dB, +4dB.

EQ in/out.

M/S in/out.

Switch for separate monitoring of the mid or side signal.

* The frequency for the 100Hz position can be change by the user with out any special tools.

This if other frequncies than 100Hz are prefered when mono-ing bass in M/S mode.

Inside the unit are two resistors for each HPF that sets the frequency. Resistors are placed in sockets. 100Hz resistors are 2,8k ohm, for 200Hz use 1,4k ohm instead.

M/S mode:

When you select M/S mode the signal is splitted into M=mid (L+R) and S=Side (L-R) before the EQ, after the EQ the signal is decoded back to L and R again.

None of the center informnation as bass drum, bass and lead vocal is precent in the S channel only panned signals as guitars, drums, keys etc. In M/S mode you can affect the M and S signal separately.

By using the high pass filter in M/S mode you can affect the lower range in two ways.

1. HPF on M channel cuts the low energy in the signal. (L and R)

2. HPF on S channel, frequncies below the selected frequency will be in mono, this was/is used when cutting records and to get a more focused low range.

In M/S mode you can also use the level controls to alter the stereo images, more S channel will widen the image and less S channel will reduce the stereo images.

To be able to hear better what you are doing in M/S mode you can use the M and S cue switch to listening to the M channel or S channel alone. The cued signal will be feeded to both channels then.

EU - Declaration of conformity / Överensstämmelseintyg

Product

TK Audio TK-lizer
115v - 200mA
230v - 100mA

Manufacturer / Tillverkare

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Halmstad, August 2012

Declaration of conformity

I declare under my sole responsibility that this product, to which this declaration relates, is in conformity with the following standards:

EN55013, EN55020:2002, EN61000-3-2, EN61000-4-2 and EN60065

Following the provision of 73/23/EEC, 89/336/EEC and 93/68/EEC.

Överensstämmelseintyg

Härmed intygas helt på eget ansvar att denna produkt, vilket detta intyg avser, uppfyller följande standarder:

EN55013, EN55020:2002, EN61000-3-2, EN61000-4-2 och EN60065

Following the provision of 73/23/EEC, 89/336/EEC och 93/68/EEC.