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COOLTEC MEQ-5 MID RANGE EQUALIZER VST PLUG-IN SUITE

CDSoundMaster

User's Manual

Installation

Download,
Unzip.

Use Right Click "Run As Administrator" to install the COOLTEC MEQ-5 and also when opening your DAW after installation.

Be sure to choose the correct 32 bit and/or 64 bit folder(s) when installing.

Open the COOLTEC MEQ-5 in your DAW and this will generate you MEQ5.SER file, located in the same folder where you installed your COOLTEC MEQ-5.

Email this SER file to CDSoundMaster and we will send your AUT file.
Paste this AUT file in the same folder as your SER and reload the COOLTEC MEQ-5.
Re-Open the COOLTEC MEQ-5 and you are ready to go!

The COOLTEC MEQ-5 MID RANGE EQUALIZER

The "COOLTEC MEQ-5 MID RANGE EQUALIZER" is a suite of four plug-ins:

The Peak EQ

The Dip EQ


CDS
CDSoundMaster.com
DIP
OVER
1000
1500
2000
700
3000
500
4000
300
5000
200
7000
KCS
5
4
6
3
7
2
8
1
9
0
10
DECIBELS
EQ IN
EQ OUT
COOLTEC MID-RANGE EQUALIZER MEQ-5
DIP EQ
POWERED BY
NEBULA PRO

The Boost/Cut EQ

The Electronics Signal Chain

Using The COOLTEC MEQ-5 MID RANGE EQUALIZER

The COOLTEC MEQ-5 MID RANGE EQUALIZER is a suite of four plug-ins: The Peak EQ, The Dip EQ, The Boost/Cut EQ, and the Electronics signal path.

These plug-ins allow you to use the real, original, classic, vintage mid range equalizer on your tracks in digital form with the exact same quality as the original analog device. This not only provides an accurate representation of the frequencies as they change, but also the harmonic distortion of the real unit! It has been created at 96kHz and can convert to any sample rate provided. The Cooltec has an internal dynamic bit depth of 64 Bits for absolute excellence in processing quality.

MEQ-5 PEAK-ALL

This plug-in provides you with both "Peak" dial sets of frequencies on a single control. The original analog device has two separate Peak dials. These provide additive eq, or boosting the gain of specific eq bands, and do not control any eq reduction. Since I have provided both separate Peak knobs on a single control, you have an even easier access to all of these frequencies. If you wish to use more than one Peak frequency, duplicate the track and use a second instance on the same material on this parallel track. Now you have both Peak dials, but instead of being limited to a lower mid range and a higher mid range dial, you can use any frequency to combine with any other frequency on two tracks in parallel. This is simplified, but also gives you the ability to create sort of a super Cooltec!

This dial controls the following frequencies:
200Hz, 300Hz, 500Hz, 700Hz, 1000Hz, 1500Hz, 2000Hz, 3000Hz, 4000Hz, 5000Hz.

The Gain knob provides a relative 10dB boost in ½dB steps. The spaces between each gain step on the dial, consistent with the real analog device, are not equally weighted. All of the original Cooltec devices have this gradual boost feature in their control. Typically, the Cooltec can give very small steps at lower levels for precise mastering peak gain, and when it reaches somewhere in the range of +9 and +10, it has larger boost ranges.

The “EQ IN” and “EQ OUT” switch operates like a Bypass switch. When the switch is up and the “EQ IN” light is lit, the EQ is turned on and processing. When the switch is down and the light is off, the plug-in is in bypass mode.

MEQ-5 DIP

This plug-in provides you with the "DIP" dial frequencies on a single control, and a control from 0-10 in 1/2 step increments. Each 1/2 step increment is perfectly even, but the unit responds with very small dB changes above 9dB. The gain controls how much of the selected frequency is reduced, as it is on the hardware. The "DIP" control is found in the center of the MEQ-5. This dial controls the following frequencies:
200Hz, 300Hz, 500Hz, 700Hz, 1000Hz, 1500Hz, 2000Hz, 3000Hz, 4000Hz, 5000Hz, 7000Hz.

MEQ-5 BOOST / CUT

This plug-in replicates the boost-cut process that the “Cooltec” is famous for.

Most EQ's have a control for frequencies and a control for gain that centers at 0dB, and goes equa-distant from -10dB to +10dB or more. Since the Cooltec contains separate boost and cut controls for similar frequencies, it is possible to get an unusual sonic character by boosting and cutting the same frequencies at the same time. Since the shape of the Peak EQ filter is different than the Dip EQ EQ filter, and both are unique at each common frequency, simultaneously boosting and cutting the same amount of gain for each at the same time leads to some unusual, unique shapes. Some levels are very small differences and others are more audible.

By making this entire process a single knob operation, you have the incredible ability to boost and cut with the greatest of ease.

This program provides the features that can be found on the second "Peak" selector and the "Dip" selector. This dial controls the following dial controls the following frequencies:
200Hz, 300Hz, 500Hz, 700Hz, 1000Hz, 1500Hz, 2000Hz, 3000Hz, 4000Hz, 5000Hz.

MEQ-5 ELECTRONICS

This unique plug-in provides you with the sound of the Pultec MEQ-5 purely for the benefit of the sound of its electronics signal path.

Along with the fun of using a Cooltec in boost and cut mode simultaneously, the Cooltec is often used just for turning it on and running through the world's finest transformers and the sound of beautiful sounding tubes.

This plug-in contains the same Bypass switch as the rest of the suite, meaning that when this switch is turned in the up position, the device is turned on, and when it is in the down position, it is bypassing the entire plug-in.

There is a new addition to this plug-in. At the top of the GUI are two new buttons:

They are labeled “EQ ON” and “EQ OFF”.

When the Bypass switch is turned to “EQ IN”, this means that the plug-in is on and ready to process.

Choose “EQ ON” by pressing this button, and you will be running your audio through the wonderful sound of the Cooltec. The other 3 EQ plug-ins instances provide frequency changes of the EQ and also the harmonic distortion of the unit as created from the transformers, inductors, and tubes, and other parts in the signal path.

With this plug-in, a wide dynamic range has been recorded, all of them with the unit set to flat EQ settings. In addition, more harmonic distortion is being measured to provide a large amount of detail about the subtle sound of the device.

Choose the “EQ OFF” button to measure the exact same process mentioned above with the EQ circuit turned off. Now, technically, the Cooltec is in bypass when in this setting, but it still has a subtle sound and is not perfectly linear. I recommend using this plug-in with the “EQ ON” program for the purpose of just running your audio through the circuitry.

The “Drive” function allows you independent control over the harmonic distortion of the Cooltec. Since this plug-in is specifically designed to provide multiple dynamic layers of 10 complete orders of harmonics, it is ideal for running audio through the Cooltec just for the sound of the circuitry.

I recommend leaving the “Drive” knob alone. Let me share a little something interesting about this plug-in with you:

Although you can control the harmonics independently of the volume, remember I said that it is also multiple dynamic layers? This means that the volume of sound processed through the plug-in is taking into account the dynamic response, so the harmonics are actually tied to the volume. If you really want to be precise, use the “Input” knob to control whether you want more or less harmonic distortion response. The level that is entering the plug-in on this setting is intentionally set to its highest volume and the amount of non-linear distortion that can be generated, so that it is easy to generate this subtle effect for processing audio, But, if you have an incredibly quiet signal you can increase the input and it will turn up the level and also the harmonics- in perfect synch to the reaction of the Cooltec. Turn the input down if you have a hot signal running through the device and you want a complex harmonic response but not much of it.

I truly hope that you enjoy using the

COOLTEC MEQ-5 MID RANGE EQUALIZER.

Thank You so much, and God Bless You.
Sincerely,
Michael Angel
CDSoundMaster.com