

## "COOLTEC EQP-1A3S" For NebulaPro

---

Library Creator: Michael Angel, [www.CDSoundmaster.com](http://www.CDSoundmaster.com)

### Manual Index

#### Installation

#### The Programs

#### About The "COOLTEC EQP-1A3S"

#### About The Hardware

#### Program List

#### Installation

##### For PC Users:

Use the included installer to select your NebulaTempRepository Folder to install the collection there. Or, you can simply copy all "n2p" files to your Nebula "Programs" folder and copy all "n2v" files to your "Vectors" folder.

##### For Mac Users:

Copy all "n2p" files to your Nebula "Programs" folder and copy all "n2v" files to your "Vectors" folder.

### The Programs

"COOLTEC EQP-1A3S" For NebulaPro consists of 34 programs:

You will find these under

"CT1" which stands for "COOLTEC1".

Programs are sampled at 96kHz and are tested to retain accuracy at 44.1kHz and 48kHz sample rates with the latest version of Nebula3 Pro.

There are two sub-categories which divide this collection:

"EQ"

"PRE"

#### Program Description:

##### EQP1A3S-AB1

All Boost. Every frequency of the EQP-1A3S that has boost is included in this program on a single convenient knob, from 20Hz to 12kHz. Gain is controlled from 1-10 on a second knob in 1dB steps. 3 Kernels of harmonic distortion are controlled by the "Drive" knob. The program is optimized for the proper amount of harmonic content that relates to the eq volume and gain changes. For low levels the "Drive" effect can be increased by a few decibels if desired.

##### EQP1A3S-AB1C

Same as above without any harmonic content.

##### EQP1A3S-AC100-I

The "AC" series of programs are specially designed to provide maximum usable features in a single program with the added benefit of interpolating frequencies that would otherwise be unavailable with the real hardware. In this case, "AC100" represents the "AC" series program that interpolates the low frequencies from 20Hz to 100Hz on one knob, while interpolating all mid/high frequencies on a second knob. Because the individually controlled low frequency band is given a value of zero in addition to 20-100Hz, we can control all high frequencies independent of the low frequencies, or we can work them both at the same time. This program also contains 3 kernels of harmonic distortion controlled with the "Drive" feature.

##### EQP1A3S-AC100IC

Same as above without any harmonic content.

#### EQP1A3S-AC20-I

This program is the same as the "AC100" program in all aspects except that the low frequency range is limited to 0-20Hz, giving the user easier and more thorough control of the low frequency band if only this range of lower eq is needed in coordination with the mid and high frequencies.

#### EQP1A3S-AC20IC

Same as above without any harmonic content.

#### EQP1A3S-AC30-I

This program is the same as the "AC100" program in all aspects except that the low frequency range is limited to 0-30Hz, giving the user easier and more thorough control of the low frequency band if only this range of lower eq is needed in coordination with the mid and high frequencies.

#### EQP1A3S-AC30IC

Same as above without any harmonic content.

#### EQP1A3S-AC60-I

This program is the same as the "AC100" program in all aspects except that the low frequency range is limited to 0-60Hz, giving the user easier and more thorough control of the low frequency band if only this range of lower eq is needed in coordination with the mid and high frequencies.

#### EQP1A3S-AC60IC

Same as above without any harmonic content.

#### EQP1A3S-HLBCC

High, Low Boost, Cut Clean. This program provides separate, simultaneous low and high eq bands, along with boost and cut gain for all frequencies that contain both boost and cut. The gain function is interpolated while the frequencies are fixed to the actual parameters of the hardware. This gives you perfect real functionality of low, mid, and high frequency boost and cut with precision, accuracy, and an easy cpu performance. Since this is a clean program, meaning that it does not contain added harmonic content, there is a 'make-up' gain feature in place of the "Drive" feature that reduces the overall program gain when boosting.

#### EQP1A3S-LBC1-I

Simultaneous Low Boost and Cut. This is a special program that provides the famous Pultec low frequency simultaneous boost and cut effect. Since the shape of the filters are different for boosting and cutting, when they are used together at the same time they produce unique curves otherwise unavailable. To use, simply choose your frequency of choice and dial in the amount of boost and cut with a single knob. As boost increases, so does the cut amount. This program contains 7 kernels of distortion.

#### EQP1A3S-LBC1IC

Same as above without any harmonic content.

#### EQP1A3S-LBC2-I

This programs contains 3 kernels of harmonic content. It provides the famous Pultec low boost/cut effect with maximum flexibility in a single program. This program accurately interpolates from 0Hz, which represents a +0dB setting, to 60Hz. The "Gain 1" knob boosts the gain, and the "Gain 2 " knob cuts the gain. This allows the user to adjust how much boost or cut they wish to apply simultaneously.

#### EQP1A3S-LBC2IC

Same as above without any harmonic content.

#### EQP1A3S-LHBC1

Low, High, Boost, Cut. This 3 kernel program provides all boost/cut frequencies on a single controller and all +/- settings on a second controller. This makes selecting a single frequency for adding or lowering gain easy and efficient.

#### EQP1A3S-LHBC1C

Same as above without any harmonic content.

#### EQP1A3S-LHC1

Low, High, Cut. This program provides all Cut frequencies on a single control with all gain reduction on a single controller. This combines use of high and low attenuation into a single function, simplifying use and streamlining parameters. There are 3 kernels of harmonic content.

#### EQP1A3S-LHCC

Same as above without any harmonic content.

#### EQP1A3S-MB-1

Mid Boost 1. This program provides the narrowest "Q" setting of all Mid Boost frequencies along with 3 kernels of harmonic content.

#### EQP1A3S-MB-1C

Same as above without any harmonic content.

#### EQP1A3S-MB2I

Mid Boost 2 Interpolated. This is the second narrowest "Q" setting of all Mid Boost programs. It is interpolated to provide every frequency that is fixed in addition to all frequencies in between, expanding beyond the limits of the original fixed frequencies.

#### EQP1A3S-MB2IC

Same as above without any harmonic content.

#### EQP1A3S-MB-3

Mid Boost 3. This program is a wider "Q" width than programs #1 and #2. It is sampled at each fixed frequency from +0dB to +10dB and contains 3 Kernels of harmonic content.

#### EQP1A3S-MB-3C

Same as above without any harmonic content.

#### EQP1A3S-MB-4I

This is the widest "Q" width on the hardware. It is sampled with interpolation and 7 kernels of distortion.

#### EQP1A3S-MB-4C

Same as above without any harmonic content.

#### EQP1A3S-MHQ+I

Mid High Boost All "Q" Variable Width. This program provides all mid boost frequencies and all "Q" widths in a single interpolated program. It is clean and provides a make-up gain control.

#### EQP1A3S-PRE-K7

This program provides the EQP-1A3S for its use as excellent sounding hardware with all eq set flat. The sound of the amazing vintage electronics, including the transformers and API 2520 op-amp provide an excellent console pre-amp type program for use in adding color to tracks when desired. This classic Pultec along with a few other models are known for creating a wonderful sound just by passing sound through the electronics, so we are providing the unit for this purpose. This is a fully dynamic program with 7 Kernels of harmonic distortion.

#### EQP1A3S-PREALLC

Same as above without any harmonic content.

#### EQP1A3SPREHIK7

This program is the same as the "K7" program, but only contains the loudest range of dynamics. This allows you to use a smaller cpu load of the same program with all harmonics by reducing the dynamics for lower volume.

#### EQP1A3SPREHIC

Same as above without any harmonic content.

#### EQP1A3SPRELOK7

This program is the same as the "K7" program but is cpu reduced by providing only the quieter range of dynamics.

#### EQP1A3SPRELOC

Same as above without any harmonic content.

#### About The "COOLTEC EQP-1A3S" For NebulaPro

The ""COOLTEC EQP-1A3S" For NebulaPro has been created to provide you with extensive use of the original hardware eq in the most useful set of programs, providing the ultimate modern mixing and mastering tool with a classic vintage sound. Since we are providing the highest quality hardware eq's that exist, we consider each device for its most important strengths and how it can best be utilized not only on its own but in combination other collections. When we released the Peak EQ, which is also a famous, powerful program eq which is inspired by this Pultec and other Pultecs, we knew that the Peak would have its own special purposes and best conditions for use. One of the more important distinctions that we wanted to make with this original Pultec is its use in combined forms that have made the Pultec famous. These boost/cut combinations, along with flexible multiple bands and adjustable "Q" are all included to make maximum use of this eq including all flexibility of the original hardware, and interpolated options that do not exist on the hardware. We believe that this not only makes the Cooltec EQP-1A3S the perfect DAW version of this Pultec with all real world choices and some that are only possible here, but it makes the Peak a perfect compliment, the differences being slight nuances in color and the Peak's hybrid tube/solid state design versus the all-solid state make-up gain of the Pultec 1A3S.

#### About The Hardware

##### About the "COOLTEC EQP-1A3S"

The original vintage hardware unit is a first generation 1A3 designed and built by Pulse Technologies (Pultec). It has the original transformers and uses an API 2520 for gain make-up for passive component amplification. The signature sound of the Pultec is evident in every setting, and our experience with this eq is consistent with any report we've ever heard, that it is simply amazing sounding and the main distinguishing factor from the tube version of this unit is a slightly punchier, tighter sounding low end compared to the tube version. The concept, build, and passive design provide almost identical sonic character to other early Pultecs, and one can see the classic spectrum shape of this unit is nearly identical to other models from the first years. The name of the unit, "1A3" represents that the mid range begins with 3000 KCS or kHz. This silver face unit is very rare and is a perfect example of why these eq's have been revered as such classics. We recommend this anywhere that you wish to bend and shape your sound with relatively wide "Q", and encourage playing with sculpting your low end instruments around each other with the low boost/cut, and enhancing highs when musical color is desired. The mid range eq's are stunning on vocals and guitars. We also encourage trying frequencies in unison with The Peak EQ. When considering the cost of the original hardware units, we feel that you will love the subtle nuance that each hardware provides, and subtle changes are what the best studios and producers consider their best kept secrets; that having access to several shades of the highest quality sound helps create an open, dynamic, and beautiful sounding result. We've also found that once again, there is plenty of truth behind the belief that simply passing sound through the unit provides a special sound. Not only frequency and dynamics and harmonics, but the complex combination of these variables all work together to make a wonderful effect.

Program List

EQP1A3S-AB1  
EQP1A3S-AB1C  
EQP1A3S-AC100-I  
EQP1A3S-AC100IC  
EQP1A3S-AC20-I  
EQP1A3S-AC20IC  
EQP1A3S-AC30-I  
EQP1A3S-AC30IC  
EQP1A3S-AC60-I  
EQP1A3S-AC60IC  
EQP1A3S-HLBCC  
EQP1A3S-LBC1-I  
EQP1A3S-LBC1IC  
EQP1A3S-LBC2-I  
EQP1A3S-LBC2IC  
EQP1A3S-LHBC1  
EQP1A3S-LHBC1C  
EQP1A3S-LHC1  
EQP1A3S-LHCC  
EQP1A3S-MB-1  
EQP1A3S-MB-1C  
EQP1A3S-MB2I  
EQP1A3S-MB2IC  
EQP1A3S-MB-3  
EQP1A3S-MB-3C  
EQP1A3S-MB-4I  
EQP1A3S-MB-4C  
EQP1A3S-MHQ+I  
EQP1A3S-PREALLC  
EQP1A3S-PRE-K7  
EQP1A3SPREHIK7  
EQP1A3SPREHIC  
EQP1A3SPRELOC  
EQP1A3SPRELOK7

I truly hope that this collection adds to your enjoyment of Nebula.

Thanks and God Bless You.

Sincerely,

Michael Angel

CDSoundMaster.com

© 2008-2010 CDSoundMaster.com.