

Neo Multi Dynamic

Multi Bands Dynamic Processing



Developed by



Operational Manual

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Sound Magic Co. Ltd

<http://www.supremepiano.com>

<http://www.soundemon.com>

support@soundemon.com

206, Min 4, People Daily, ChaoYang, Beijing

P.R.China

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Introduction

Neo Multi Dynamic is the multi bands version for the acclaimed Neo Dynamic, which features a 4 bands dynamic processing with the innovative Linkwitz-Riley Splitter to separate the frequency bands and then process them. This gives you a better sounding multi bands dynamic processing because the Linkwitz-Riley Crossover filter tends to have the lowest phase distortion of all filters.

Neo Multi Dynamic is a new concept in dynamic processing technology. Different from ordinary compressors/limiters, Neo Multi Dynamic not only offers more sonic variety than traditional units, it is far easier to use.

Neo Multi Dynamic is based on Sound Magic Award Winning Modeling Technology. This makes Neo Multi Dynamic more like a sampler than typical compressors and limiters. It embodies several algorithms (such as sample sets) that make this plug-in easy to expand and extend with new compressors/limiters models in the future. Neo Multi Dynamic starts with 10 compressors/limiters, modelled after famous brand names such as SSL, TubeTech and so on. Each of these has their own famous "flavors" ready to use.

Sound Magic Award Winning Modeling Technology accurately models every nuance of these famous compressors and limiters. It took years to model each knob and every control on the real hardware, but the results are amazing. When we did phase cancelling tests comparing our models with the originals, we got a result of 43dB decreases in volume indicating a 99.5% similarity with the original hardware.

Neo Multi Dynamic makes the whole dynamic processing experience easier by combining compressors and limiters together. In many cases, compressors and limiters have been treated as two different units. Neo Multi Dynamic automatically combines them both. When you push the ratio knob to max, for example, Neo Multi Dynamic will switch to Limiter Mode automatically. In this way, you can have two units together at your fingertips.

Neo Multi Dynamic is provided as a Windows VST or Add-on for Supreme Piano 2, MAC Version is under development now.

Features

Internal 64 Bit Double Precision Floating Point

Innovative Linkwitz-Riley Splitter Design

A total of 10 compressors and limiters modelled after such famous hardware including:

SSL 4000G Compressor

BQJ 2500 Stereo Compressor (Due to Copyright Issues, we can't reveal the trade name of the compressors we've modelled. However, they are all high end professional units and we guarantee those in the know will be able to easily identify their individual sounds.)

Tube-Tech CL-1B Compressor (Not in Demo Version)

EMI RS124 Compressor (Not in Demo Version)

Neve 33609 Compressor Custom Edition(Not in Demo Version)

Sound Magic Default Compressor

Waves L2 Limiter (Not in Demo Version)

EMI TG124 Limiter

Sound Magic Neo Limiter

British Vintage Limiter (Not in Demo Version) (Due to Copyright Issues, we can't reveal the trade name of the limiters we've modelled. However, they are all high end professional units and we guarantee those in the know will be able to easily identify their individual sounds.)

Has a THD+N (Total Harmonic Distortion + Noise) Ranging from -63dB to -135dB. Depend on the types and settings you choose.

Our powerful add-on system makes it easy to add additional compressors and limiters in the future

Incredibly Accurate Modeling by Sound Magic's Award Winning Modeling Technology

Different plug-in version to fit for usage on Sidechain

Support up to 32Bit/384KHz resolution.

Register Neo Multi Dynamic

Neo Multi Dynamic must be registered before it could sound.

You have to enter keycode into the text box.

First, please find the text box named Enter Your KeyCode Here



* Enter Your KeyCode Here *

Then paste the keycode into the box



%'REgP7'.vRY=gc!WR#%m'pd5\TM*u(.k,j;

Press Enter, you will see Authorized to XXXXXXXX



Authorised to Wang Yichi@Beijing

If the text box still shows the keycode, it means the keycode is not correct, You need to contact customer service to get a new keycode. Please note 95% of the failures are caused by copy one more space at the beginning or the end of the keycode.

What if YOU enter the keycode incorrectly?

The only solution for this problem is for the customer to delete the Windows Registry Entry.

Click "Start" on the windows desktop.

Click "Run" and type in 'regedit' then press enter. A window will appear.

Click the 'Edit' tab and select 'Find...' and type in "NEOMIXING "then press enter.

Right click on the folder highlighted in the Left window and select 'Delete' and click 'Yes' to confirm to delete this item.

Close the window.

Load the VST and it should show " *Enter Your KeyCode Here *"

If it does not show this message you should follow the above procedure again taking care to follow every step.

Controls

Threshold: in dB, ranging from 0dB to -40dB.

Gain: Boost in dB, ranging from -6dB to 24dB

Ratio: Ranging from 1:1 to 12:1, **Please Note when you put it into Maximum(12:1) position, It will auto switch to limiter mode.**

Attack: Attack Time in ms, ranging from 0ms to 100ms.

Release: Release Time in ms, ranging from 0ms to 2000ms (2 Seconds).

Soft Knee: When turn it on, it is soft knee. When off, it will be hard knee

Auto Release: Turn on Auto Release Mode

Look Forward: When turns it on, There will be <2ms (50 samples) delay for main signal. Then the dynamic processors will have look forward function.

Level Detection: Choose level detection methods here. Peak or RMS

Filter Order: The order of the Linkwitz-Riley Splitter filter

Low/Mid/High Freq Split: The split frequency for the Linkwitz-Riley Splitters.

Band Low/Low-M/M-High/High: Click on these button to switch between different dynamic processor for different bands. The selected band will highlight by blue.