OMNIPRESSOR™

User Guide

Eventide®

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Chapter 1

Introduction

1.1 About This Product

Thank you for your purchase of the Eventide Omnipressor plug-in. The product recreated in this plug-in was among the first introduced by Eventide - and among the world's first commercially available professional recording products. For over 40 years, innovative products like these have made Eventide an industry leader, and we are extremely proud that they continue to be in demand today. This package includes a stunning recreation of the Omnipressor dual knee dynamics processor. We'll get into more depth on the product soon but, before you forget, please take a few minutes to register online. This helps us keep you informed of any important software updates, and any special offers that may only be available to registered users. If you find the need to get more information from us than this manual can provide, please visit our support forum available via our website (http://www.eventideaudio.com).

Chapter 2

Registration, Activation, and Installation

Eventide uses PACE's ilok.com licensing system, with or without an iLok hardware dongle, to license our plug-in products. Each license provides two activations which can reside on either your computer or on an iLok license dongle. Once you've purchased your plug-in, you'll need to register it on Eventide's website, activate your license, and install the plug-in on to your computer.

2.1 Registering Your Plug-in

When you purchase an Eventide Native plug-in, you'll receive a Serial Number and License Key. The Serial Number will be two letters followed by 6 numbers. If you have an individual Omnipressor license, the Serial Number will start with OP (i.e. OP-######). If you purchased a group license, the Serial Number will be in the same format, but correspond to that group license (e.g. AX-###### for Anthology X). The License Key will be 3 sets of 4 characters, a letter or a number, each; like XXXX-XXXX-XXXX.

Once you've received these codes, you can register your plug-in on the Eventide website. To do so, please log in to http://www.eventideaudio.com, navigate to My Account in the top right corner, and select Register a New Product. Then, fill out the form by selecting Native Plug-in (VST, AU, AAX) in the Product Category field, select Omnipressor or the applicable group license in the Product list, and enter your Serial Number, License Key, and iLok.com account name. If you don't yet have an ilok.com account, you can create one for free at http://www.ilok.com. Once you've done so, press Register.

Once you've entered this information and pressed the Register button, Eventide will send the applicable plug-in license to your ilok.com account, which you will need to activate to your computer or iLok dongle.

2.2 Activating Your License

To activate and manage your plug-in licenses you'll need to install PACE's iLok License Manager software which you can download from http://www.ilok.com. If you don't have this software installed, please download and install it now.

Once you have installed and launched iLok License Manager you should be able to log in to your account by clicking the large Sign In button in the upper left hand corner of the application. Once you have, you should be able to see available licenses by choosing the Available tab at the top of the iLok License Manager application. If you have successfully registered your plugin, your Omnipressor Native license will be available in this list. Please activate this license by dragging it to either your computer or iLok dongle listed on the left. When you do so, you will be asked to confirm the activation, and you will be able to see it by clicking on the location you have chosen. At this point your license is activated.

2.3 Installing Your Plug-In

You should have been given a link to the Eventide Native plug-in installer when you purchased your plug-in, but if you haven't, you can find downloads for all of Eventide's Native Plug-Ins at http://https://www.eventideaudio.com/products/plugins. Please download and launch the correct installer for your system.

Once you've launched the plug-in installer, it will take you through several pages of options. We have tried to choose defaults for these options which will best serve the majority of users, but it is worth a minute to make sure you understand these options before clicking through to the next page. Once you have followed through the installer, your plug-ins and presets should be in your chosen locations, and you can hit finish to end the installer application.

At this point, you should be ready to use your Eventide Omnipressor Plug-In.

2.4 Moving or Removing an Activation

If at any point, you decide to move your plug-in activation, you can do so in iLok license manager. To move an activation between an iLok dongle and your computer, simply plug in the iLok, locate the license in its current location, and drag it to its new location. To deactivate a license, find it in its location, right click on it, and choose deactivate.

Remember that each Eventide Native Plug-In License comes with two activations, which can be used on either a computer or iLok dongle, meaning you can use Omnipressor in two locations at the same time.

2.5 Navigating the Plug-Ins

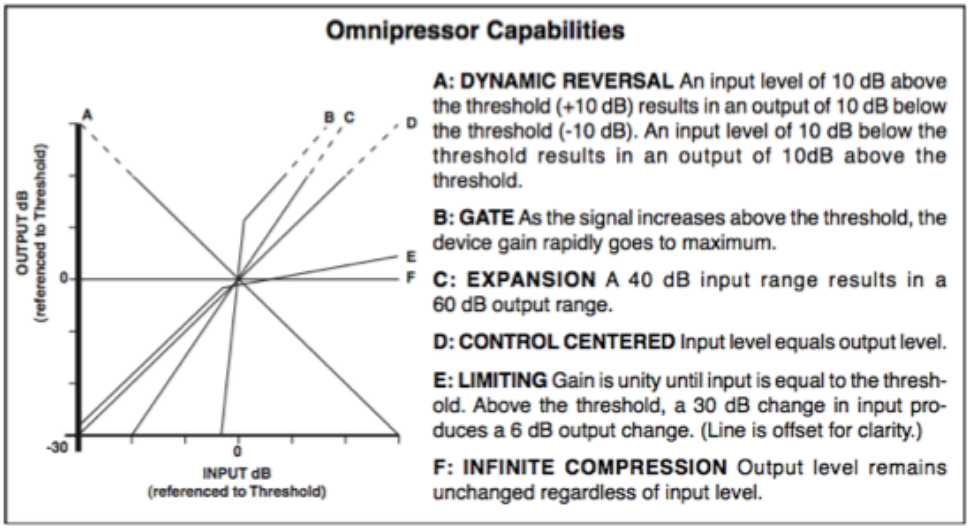
The Omnipressor panel is designed with graphic knobs and buttons that resemble the controls on the original units – but we've enhanced them for intuitive mouse control. Knobs are easily adjusted with either an up-and-down or a left-and-right motion of the mouse. Click on any knob you want to adjust, then drag upward, or to the right, to increase the setting, and downward, or to the left, to decrease it. (It is not necessary to try to move the mouse in a circular motion to "turn" the knobs.) While a knob is selected, the value of the parameter will appear in the center of the knob graphic.

Chapter 3

Omnipressor

Production Dates 1971 – 1984

Originally described as a "professional-quality dynamic modifier", the Omnipressor rapidly became a very popular studio dynamics piece. Its unique Function knob allowed the engineer to move from Noise Gate effects through dynamic reversal - an effect that reverses a sound's envelope making loud sounds quiet, and quiet sounds louder. This control, combined with unique gain and attenuation controls, lets you produce extremely aggressive dynamics with very little tweaking. A cymbal, for example, can be made to sound "reversed" by setting a fast Attack and setting Function near its CW limit. The diagram below illustrates the wide ranging Function control. Omnipressor is available as a Mono or Stereo plug-in.



3.1 Omnipressor Controls

3.1.1 Input Cal

These switches allow you to reduce the level feeding the effect by 10 dB, 20 dB, or 30 dB (when both switches are pressed).

3.1.2 Input Threshold

Sets the gain crossover point. For example, when the system is in Compression mode, an input signal below the threshold will have its amplitude increased and signals above the threshold will have their amplitude reduced.

3.1.3 Bass Cut/Nor

Determines the frequency response of the level detector circuit. Set to NORMAL to match the frequency response to the gain control section. Set to BASS CUT to attenuate bass signals and reduce their effect on the overall compression/expansion operations.

3.1.4 Attack Time

Determines the time in which the system responds to a change in input level. Assuming a 10 dB step increment in input level, the attack time is numerically equal to the time required for the level detector to reach its final state with respect to the new input level.

3.1.5 Release Time

Determines the time in which the system responds to a decrease in input level. Assuming a 10 dB step increment in input level, the attack time is numerically equal to the time required for the level detector to reach its final state with respect to the new input level.

3.1.6 Meter Function

Allows you to select meter monitoring of Input, relative Gain or Output. These functions control only the meter display – they have no effect on the signal processing. All level readings are in dBFS.

3.1.7 Function

This is the main Omnipressor control. When set fully counterclockwise, gain varies sharply from full attenuation to maximum gain as the Input Threshold is exceeded. As the control is rotated clockwise, this action becomes less sharp until the gain varies only a few dB from no input to full input. At the knob's centerpoint, the gain is constant, regardless of input level. As the knob is turned clockwise, gain begins decreasing with increasing input level. More rotation produces substantial compression until the point of infinite compression is reached and the gain decreases 1 dB for each dB of signal increase, thus keeping the output level constant regardless of input. Rotation past this point produces dynamic reversal, in which a high level input produces a lower output than does a low level input. Full clockwise rotation results in full output attenuation above the Input Threshold. Two LEDs alert you to the gain state of the Omnipressor. A green ATTEN LED illuminates to indicate that the Omnipressor is in gain reduction mode. A red GAIN LED illuminates in gain increase mode. Relative brightness of the LEDs indicates the amount of gain reduction or increase. Operation of these LEDs is instantaneous, so that peak limiting is indicated even when the meter has insufficient time to respond.

3.1.8 Output/Cal

These switches allow you to increase the output level of the Omnipressor without affecting compression ratios or other operating parameters. This is useful, for example, when the unit is being used in extreme modes of compression or dynamic reversal, and the input signal is large enough to cause large amounts of consistent gain reduction. In such cases, you can select to increase the gain of the output stage by selecting +10dB, +20 dB, or both for 30 dB of Gain.

3.1.9 Atten Limit

Limits the maximum attenuation of the Omnipressor from 30 dB to approximately 1dB. This control overrides the action of FUNCTION.

3.1.10 Gain Limit

Limits the maximum gain of the Omnipressor from 30 dB to approximately 1 dB. This control overrides the action of FUNCTION.

3.1.11 Sidechain Input

Allows the Omnipressor's level detect to be driven by another audio source.

3.2 Saving and Recalling Plug-In settings

When Omnipressor is installed, a library of settings is placed into the <user>/Documents/Eventide/Omnipressor/Presets folder. In this folder is a series of .tide files which will show up as options in Eventide's plug-in preset bar. From inside the Eventide Omnipressor you can load or save these settings. We recommend saving your own Clockworks Legacy settings to this folder to ensure that they are available to any instance of the plug-in you're working with. You can also create sub-folders inside the Omnipressor Plug-In Folder if you wish.

Chapter 4

Conclusion

We hope you enjoy the Eventide Omnipressor plug-in and put it to good use in all of your mixes. Please be sure to check over Eventide's other Native Plug-In offerings for more unique and interesting effects.