

INSTANTPHASER™

User Guide

Eventide®

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Eventide Inc.

One Alsan Way

Little Ferry, NJ 07643

201-641-1200

www.eventide.com

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Chapter 1

Introduction



1.1 About This Product

Thank you for your purchase of the Eventide Instant Phaser 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 original Eventide Clockworks Instant Phaser. 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](http://www.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 Instant Phaser license, the Serial Number will start with IP (i.e. IP-#####). 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 Instant Phaser 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](http://www.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](http://www.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 Instant Phaser 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 Instant Phaser 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 Instant Phaser in two locations at the same time.

2.5 Navigating the Plug-Ins

The Instant Phaser 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

Instant Phaser

Production Dates 1971 – 1977

While designing a solution to the costly and tedious job of setting up and implementing the special effect known as flanging, we discovered a new effect, now known as phasing. The Instant Phaser allowed this new effect to be created quickly and easily, and its innovative design allowed the effect to be varied by an Envelope Follower, Oscillator or Remote control. The left and right outputs were also out-of-phase with respect to one another, resulting in a great stereo effect. The Clockworks Legacy model of the Instant Phaser recreates these subtle details and enhances the original by allowing full automation and the ability to manipulate the Phaser remotely using supported control surfaces and/or common MIDI implementation. Simply set the Function knob to Remote and send Mod Wheel (MIDI Controller #1) information on the Phaser's MIDI channel to manually "move" the phaser. Instant Phaser is a Mono-In, Stereo-Out plug-in.

Phasing was originally produced by mixing the slightly delayed outputs of two tape recorders containing the same program material. In 1971, when the Instant Phaser was introduced, the cost of the hardware necessary to create this effect was prohibitive for most musicians. The affordable Instant Phaser not only made this effect widely popular, it also offered an ideal number of phase networks that tracked very well with each other, providing very deep phasing without destroying the original tone.

3.1 Instant Phaser Controls

3.1.1 Depth

Lets you determine the mix of phased and direct signal. At the minimum setting the signal is 100% phased; at the maximum setting, the wet/dry mix is 50/50.

3.1.2 Function

Select Manual, Oscillator, Envelope or Remote as the current mode of operation. A lamp will light under the selected controller to indicate it is active. The LED over the Manual knob always shows the phaser position.

- MANUAL activates the ... (phase change) control to let you control the phase effect manually.
- OSCILLATOR activates a phasing oscillator and lets you set its frequency from 0.1-10 Hz. Slow speeds will give a fading effect; high speeds (with Depth fully counterclockwise) produce vibrato and Doppler effects.
- ENVELOPE gives you automatic phasing triggered by input.
 - THRESHOLD sets the input signal level which triggers phasing.
 - RELEASE determines the phase decay time (0.01 to 10 seconds).
- REMOTE When Remote is selected, MIDI Controller 1 (Mod Wheel) controls phasing.

TIP: You can select Functions directly by clicking on the lamp beneath each one.

3.2 Saving and Recalling Plug-In settings

When Instant Phaser is installed, a library of settings is placed into the <user>/Documents/Eventide/Instant Phaser/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 Instant Phaser 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 Instant Phaser Plug-In Folder if you wish.

Chapter 4

Conclusion

We hope you enjoy the Eventide Instant Phaser 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.