

INSTANTFLANGER™

User Guide

Eventide®

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Chapter 1

Introduction



1.1 About This Product

Thank you for your purchase of the Eventide Instant Flanger 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 Flanger. 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 Flanger license, the Serial Number will start with IF (i.e. IF-#####). 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 Flanger 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 Flanger 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 Flanger 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 Flanger in two locations at the same time.

2.5 Navigating the Plug-Ins

The Instant Flanger 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 an up-and-down motion of the mouse. Click on any knob you want to adjust, then drag upward to increase the setting, and downward 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 Flanger

Production Dates 1976 – 1984

The Instant Flanger, released in 1976, was designed to simulate true tape flanging. As its time delay circuit produced many more "nulls" and offered a much deeper flanging effect than anything previously available, it was widely used on many legendary recordings. The Instant Flanger even simulated the "Bounce" of motor or servo movement which occurred as the tape machine changed speeds during flanging. And its phase-reversed and variable-delay outputs, created a heavy stereo effect. One of the more interesting features of the Instant Flanger model is its ability to combine Function controls simply by pressing any combination of the front panel "IN" buttons. For example, you can cause the flange to move constantly, but be sped up on peaks by pressing both the Oscillator and Envelope Follower buttons. Or, you can use either the Manual knob or Mod Wheel to control the flange by pressing Manual and Remote.

3.1 Instant Flanger Controls

3.1.1 Effect Modifier

- **FEEDBACK** Available on some vintage production units, this control allows you to add output audio back into the input. Use caution when setting this control fully clockwise, as the effect will become very unstable and may cause unwanted distortion.
- **BOUNCE** simulates the "hunting" effect of an AC or servo motor changing speed. When this control is set fully clockwise, only changes in the control signal will affect flanging.
- **DEPTH** allows you to add direct signal to the effected signal output. At either extreme, the mix at the selected output is 50/50. When the knob is centered (on Doppler) the direct signal is cancelled and the signal is 100% flanged. The following table shows the effect present at each output at various settings.

DEPTH Setting	Left Output	Right Output
Fully CCW	In-phase cancellation Low frequencies present at short delays	Out-of-phase cancellation Low frequencies missing at short delays
Centered (Doppler)	No flanging effect until frequency varied by control change	
Fully CW	Out-of-phase cancellation Low frequencies missing at short delays	In-phase cancellation. Low frequencies present at short delays

3.1.2 Oscillator

The button activates an internal oscillator; the knob lets you adjust the oscillator rate from 20 seconds (0.05Hz, Slow) to 50 ms (20 Hz, Fast).

3.1.3 Manual

This gives you manual control over the flange effect.

3.1.4 Envelope

This gives you automatic flanging triggered by input.

- THRESHOLD sets the input level which triggers flanging.
- RELEASE determines the flange decay time (5ms to 10s)

3.1.5 Remote

When Remote is selected, MIDI controller 1 (Mod Wheel) controls flanging.

3.2 Saving and Recalling Plug-In settings

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

Chapter 4

Conclusion

We hope you enjoy the Eventide Instant Flanger Legacy 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.