

# Tracktion

#TTape Delay

USER GUIDE

# Credits

Project Management: James Woodburn

Programming: Roland Rabien, David Rowland

Reverber8 Programming: Martin Eastwood

User Interface Design: Sasha Radojevic

Manual: Holger Steinbrink

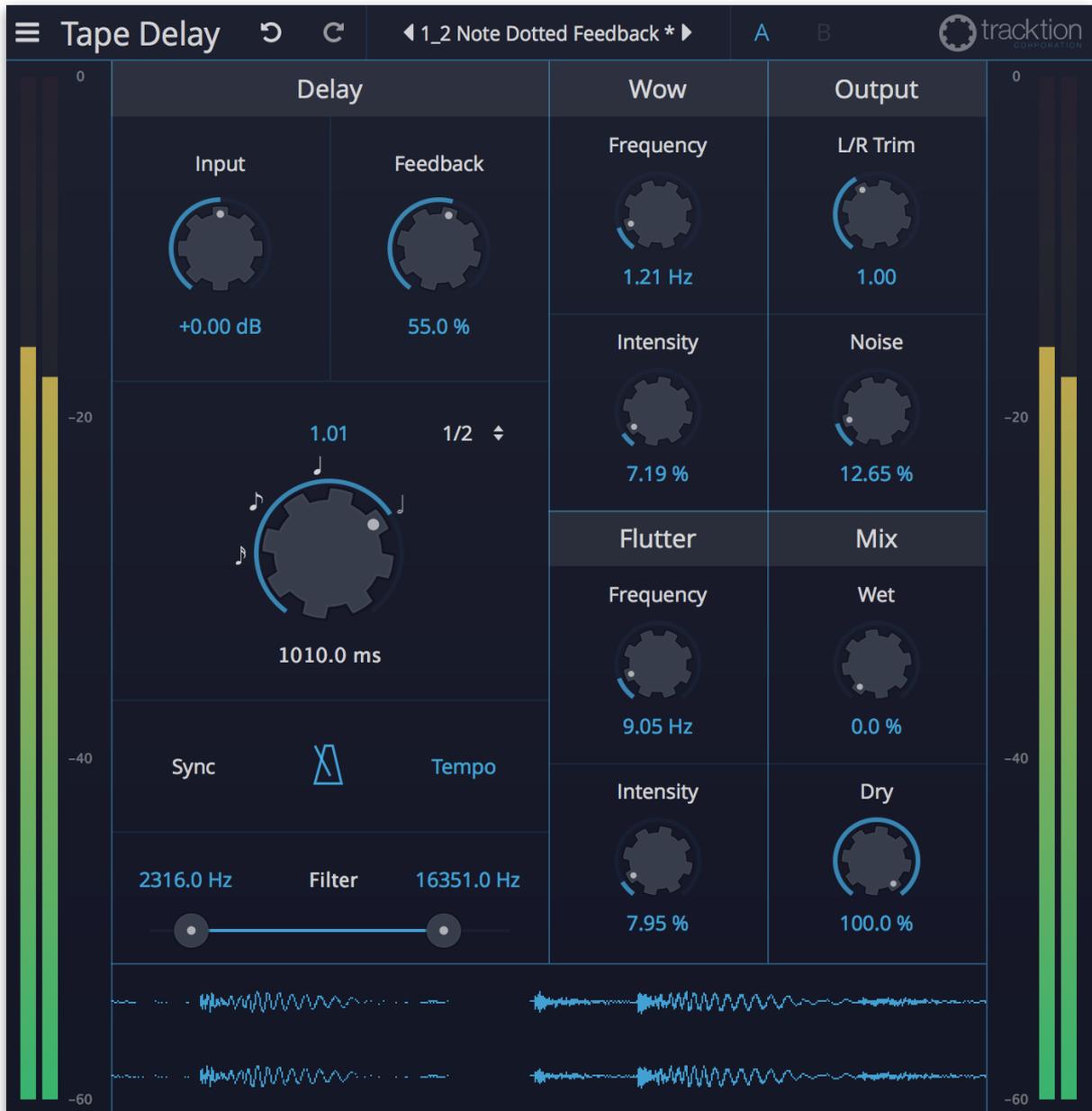
# Table of Contents

<b>Credits</b>	<b>2</b>
<b>Table of Contents</b>	<b>3</b>
<b>1. Introduction</b>	<b>4</b>
<b>2. Installation &amp; Authorisation</b>	<b>5</b>
2.1 Windows PC	5
2.2 OS X	5
2.3 Authorisation	6
<b>3. Basic Operation</b>	<b>7</b>
3.1 Loading and Saving Effect Presets	7
3.2 Control Elements for Traktion Plugins	7
<b>4. The Plug-in Parameter</b>	<b>8</b>
4.1 Plug-in Header Section	8
4.2 The Plug-in Parameter	9
<b>5. Product Support</b>	<b>12</b>

# 1. Introduction

Thank you for purchasing our #TTape Delay PlugIn from the Tracktion DSP Package.

#TTape Delay is a time-based and a clock-based modulation delay. Based on the delay lines produced by legendary tape recorders this tool simulates the classic wow and flutter effects.



## 2. Installation & Authorisation

#TTape Delay can be installed and unlocked on up to 4 different computers with a single license.

### 2.1 Windows PC



Please observe the system requirements of your host application! #TTape Delay runs within 32 bit as well as 64 bit host applications.

1. Refer to the folder where the downloaded #TTape Delay file is located.
2. Double click on the “install\_tape\_delay.exe” file. This launches the installation application.
3. Follow the on-screen instructions.

Installation location Windows:

VST 32-bit:

C:\Program Files (x86)\VstPlugins\Tracktion\#TTape Delay.dll

VST 64-bit:

C:\Program Files\Steinberg\VstPlugins\Tracktion\#TTape Delay (64-bit).dll

AAX 64-bit:

C:\Program Files\Common Files\Avid\Audio\Plug-Ins\#TTape Delay.aaxplugin

### 2.2 OS X

1. Refer to the folder where the downloaded #TTape Delay file is located.
2. Double click on the “#TTape Delay.pkg” file. This launches the installation application.
3. Follow the on-screen instructions.

Installation location Mac:

AU: /Library/Audio/Plug-Ins/Components/#TTape Delay.component

VST: /Library/Audio/Plug-Ins/VST/#TTape Delay.vst

AAX: /Library/Application Support/Avid/Audio/Plug-Ins/#TTape Delay.aaxplugin

## 2.3 Authorisation

#TTape Delay uses a software based copy protection and can only run without any restrictions with an activated license.

After installation, please load #TTape Delay as effect plug-in within your DAW. The plug-in is currently locked (a noise occurs periodically).

Click on the Unlock button in the top right corner of the plug-in window to open the authorisation window.

Click Unlock to start a 30 day trial, if you haven't purchased the plug-in. If you have purchased the plug-in it will become unlocked permanently.

Please enter your email address and password from Tracktion Marketplace and click on "Register" to unlock #TTape Delay permanently. You need an active internet connection for this procedure.

You can alternatively click on the "Offline Unlock" button, if your computer has no internet connection. Please follow the onscreen instructions.

After a successful authorisation, you can use #TTape Delay without limitations and full featured forever.

# 3. Basic Operation

## 3.1 Loading and Saving Effect Presets

To load an effect preset, simply click on the actual preset name to open a pop-up menu. Select the desired effect preset and click on it. Alternatively you can click on the left or right arrow symbol to switch for and back between the effect presets.

To save an effect preset, click on the actual preset name to open a pop-up menu. Here you can **Save** the actual effect preset directly into the plug-in's preset folder. Alternatively, you can choose **Save as...** to rename the actual preset before saving it.

A newly saved preset is appended to the end of the pop-up menu list. In the pop-up menu you can also **Delete** the actual preset. You can also open the preset folder (**Show presets folder**) in a separate window. This is perfect for backup your effect presets or exchange it with other users.

## 3.2 Control Elements for Tracktion PlugIns



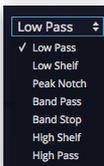
### Dials

To set a value, click on the dial, hold down the mouse button and move the mouse up and down. A double click resets the parameter value to its default.



### Buttons

A simple click on a button activates or deactivates its function. Buttons light up when they have been used.

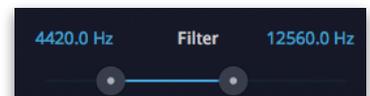


### Pop-up Menus

Click on the corresponding slot to open a pop up menu where you can choose the desired parameter or function.

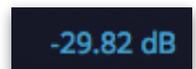
### Slider

Click on the corresponding slider handle and hold it. Move your mouse to the left or the right to change the value.



### Value Fields

Click in a value field and move the mouse up or down to easily change the parameter value. Double click in a value field to enter the value via your computer keyboard.



### Graphical Elements

Click on the corresponding graphic and move the mouse vertical or horizontal to change settings.



## 4. The Plug-in Parameter

#TTape Delay is divided into two sections which are described in detail within this chapter.

### 4.1 Plug-in Header Section



The Header section offers basic settings.

- Click on the three line symbol in the left section to open a pop-up menu, where you can choose between two **Colour Scheme**. Here you can also open a **Help** menu and the **About** box with more information about the plug-in and the version number.
- By clicking on the **Undo** and **Redo** symbol, you can undo/redo your last editing.
- Loading and saving presets is described in detail in chapter 3.1.
- Click on **A** or **B** to switch to the alternate effect setting B when setting A is active, and to setting A when setting B is active. This is an easy way to compare two different effect settings, make further adjustments or just go back to setting A. Settings A and B are saved with the effect preset.

## 4.2 The Plug-in Parameter



### Delay Section

This section offers all parameters for controlling the delay lines.

#### Input

Sets the gain level of the incoming audio signal before the effect processing.

#### Feedback

Controls the level of the signal that is fed back into the delay.

#### Delay Time

Sets the delay time in milliseconds. This parameter is regularly editable when **Sync** is deactivated. If **Sync** is activated, an additional pop-up menu is available where you can set the basic synchronization of the delay. The **Delay Time** knob sets the delay time in percentage based on the selected note synchronization.

## Sync

Activate it, to synchronize the delay time to the current song tempo of your host application. When activated, the **Delay Time** can set in note values.

## Filter

Removes low (left knob) and high (right knob) frequencies in the feedback stage of the delay meaning that each repetition has less and less low and high frequencies.

## Wow Section

The wow effect is a by-product of capstan irregularities produced by tape traction technology. It produces “undesirable” pitch modulations of the signal.

### Frequency

Determines the low frequency fluctuations of the wow effect. The higher the setting the faster the fluctuation.

### Intensity

Determines the amount of the wow effect in the delay signal.

## Flutter Section

The flutter effect is a by-product of tape stretching and sticking in classic tape recorders. It produces “undesirable” pitch modulations of the signal.

### Frequency

Determines the fast frequency fluctuations of the flutter effect. The higher the setting the faster the fluctuation.

### Intensity

Determines the amount of flutter effect in the delay signal.

## Output Section

### L/R Trim

Adjusts the relative time of the delay lines compared to the delay length. A value of 1.00 means, that the delay of both stereo sides produce their first repetition at the same time while smaller values result in the left side repeating first and larger values result in the right side repeating first. This allows you to create ping-pong delays.

### Noise

Adds a noise to the audio signal to simulate the electro-mechanical noisy sound of classic tape machines.

## Mix Section

### Wet

Adjusts the level of the delay signal. When using #TTape Delay as a send effect we recommend to set this parameter to fully wet (100%).

### **Dry**

Adjusts the level of the unaffected signal. When using #TTape Delay as a send effect we recommend to set this parameter to 0%.

### **Input/Output Meter**

Shows the input (left meter) and output (right meter) level of the audio signal.

### **Waveform Meter**

Shows a realtime waveform meter of the output signal of #TTape Delay.

## 5. Product Support

If you have any questions, please contact us by email:

[support@tracktion.com](mailto:support@tracktion.com)

Tracktion Software Corporation

23515 NE Novelty Hill Rd

Suite B211-141

Redmond, WA 98053

USA

[www.tracktion.com](http://www.tracktion.com)

© 2016 Tracktion Software Corporation. All rights reserved.