

# TAL-DUB II

<http://kunz.corrupt.ch/>  
Togu Audio Line© 2008, Patrick Kunz  
Tutorial Version 0.0.1



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## Introduction

TAL-DUB II is a free vintage delay processor and supports all common sample rates. It's not allowed to sell this software or make any modifications.

Please use at your own risk. We take no responsibility for any damage caused of our plug-ins.

## Installation

### Windows

The plug-in is SSE optimized. At least a Pentium II or higher is required or an AMD equivalent. All hosts that are compatible with VST 2.3 or VST 2.4 plug-ins are supported.

Copy the *TAL-DUB-2.dll* file into the VST plug-in folder of your host. Maybe a rescan of the plug-in directory or a restart of the host is required. This depends on the VST host.

### OS X

The plug-in is a Universal Binary and works for Intel and *PPC Computers* and needs a VST 2.3 or VST 2.4 compatible host like *Cubase* or *Ableton Live*.

### VST

Copy the *TAL-DUB-2.vst* file into the VST plug-in folder of your host or into the OS X directory: *"/Library/Audio/Plug-Ins/VST/"*. Maybe a rescan of the plug-in directory or a restart of the host is required. This depends on the VST host.

### AU

Copy the *TAL-DUB-2.component* file into the OS X directory: *"/Library/Audio/Plug-Ins/Components/"*. Maybe a rescan of the plug-in directory or a restart of the host is required. This depends on the host.

## TAL-DUB II



### 1. Delay

Delay time of the dub effect. If the option boxes value is at *man* the delay processor is not synced and the delay can be adjusted with the pots. Otherwise the delay is synced to the selected value.

It's possible to adjust the left and right channel independently. The *link* button allows changing both values at the same time.

Technical Details	
Manual Delay Length	0..2s
Synced Delay Lengths	1/16, 1/8, 1/4, 1/2, 1/1, 2/1 1/16T, 1/8T, 1/4T, 1/2T, 1/1T, 2/1T 1/16., 1/8., 1/4., 1/2., 1/1., 2/1.

### 2. Feedback

Feedback value of the delay effect. It's possible to adjust the left and right channel independently. The *link* button allows changing both values at the same time.

The maximal value is something over one.

### 3. Drive

4 x over sampled tube distortion effect. The volume pot allows to readjust the volume of the distortion stage if required.

It works as a post effect and isn't included in the feedback loop. It's possible to make very clean and distorted delay lines.

#### Technical Details

Over sampling	4x over sampled
Distortion function	Approximated tanh function

#### 4. High cut filter

6dB high cut filter with resonance.

Technical Details	
Filter type	Non linear 6dB low pass filter with resonance

#### 5. High cut filter

A 3dB low cut filter. Works as a post effect and does not affect the feedback section.

Technical Details	
Filter type	3dB high pass

#### 6. Panorama

Adjusts the panorama of the stereo output. Works as a post effect and does not affect the feedback section.

#### 7. Modulation

Gives the possibility of modulate the delay value. A sinus LFO with adjustable rate is available. It's possible to modulate the filter cutoff and the delay time.

Technical Details	
LFO type	Sinus
LFO rate	0..~10 Hertz

#### 8. VU Meter

Shows the gain reduction of the distortion stage. This value depends on the drive value. A lot of drive means a lot of gain reduction.

#### 9. Options

##### INPUT

Not only the delay line, also the input itself will be filtered in this mode,

##### PING PONG

Sets the delay in the ping pong delay mode.

##### FX

In this mode the filter works outside of the delay loop as a post effect. This allows filtering the delay without damping the delay line itself.

##### MIDI LEARN

First make sure that the sequencer is stopped and TAL-DUB II gets no Midi events from the host. Then just click the *Midi Learn* button and do following:

1. Change a pot or slider value with the mouse
2. Move an external hardware pot (The SW-controller should move now)
3. Disable *Midi Learn* or make the next mapping

## **9. Dry / Wet**

Allows adjusting the volume of the original and the processed signal.

Technical Details	
Range	100% dry to 100% wet

Have fun :)