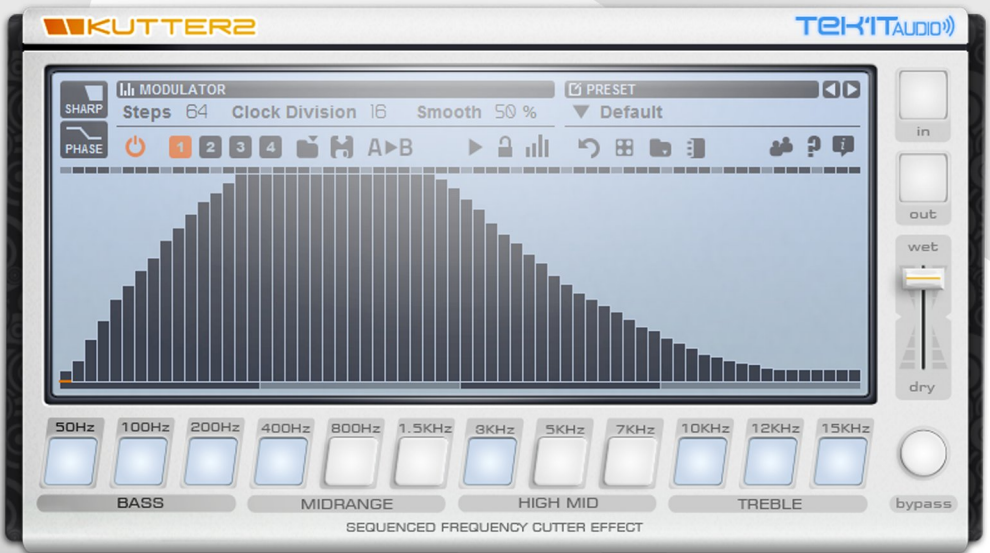


# KUTTER2

SEQUENCED FREQUENCY CUTTER EFFECT

user manual



# **Kutter 2**

## **USER MANUAL**

### **Copyright.**

Kutter © 2010-2011 Tek'it Audio.

No part of this documentation may be reproduced or transmitted in any form by any means, electronic or mechanical, including photocopying, recording, or any information storage and retrieval system, without written permission from Tek'it Audio.

VST is a trademark of Steinberg Media Technologies GmbH.

Microsoft, Windows, and the Windows logo are registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

All other trademarks and logos from these or other manufacturers written or shown on this documentation are property of their respective holders.



# Table Of Contents

User License Agreement	4
Overview	6
Requirements	7
Installation	8
Demo version	9
Using	10
Control Types	11
Cutter	12
Mixer	12
Effects	13
Modulator	14
Preset	16
MIDI	18
Updates and Support	20
Other Products	22
Credits	24

# User License Agreement

This User Licence Agreement is a legal agreement between you (either as an individual or a single entity) and Tek'it Audio for the product accompanying this document, wich includes software and all associated media ("Software").

All copyrights to the Software are exclusively owned by the Author, Tek'it Audio. All rights not expressly granted here are reserved by Tek'it Audio.

Installing, copying, or using the Software signifies acceptance of the terms and conditions of this License Agreement. If you do not agree with the terms of this License Agreement you must remove the Software files from your storage devices and cease to use the Software.

The Software is licensed, not sold. You have the right to use this Software for music composition and sound design for both commercial and non-commercial projects. You have the right to use this Software for creating non-commercial preset libraries. For commercial preset libraries you should request a written or emailed permission of the copyright holder.

The Software may not be distributed, shared, duplicated with exceptions noted below. You can duplicate the Software for backup purpose only, to backup devices such as hard disks and optical media solely to replace the original copy if the original copy is damaged or destroyed. No person or company may charge a fee for the distribution of the Software without written or emailed permission from the copyright holder. The Software may not be bundled or distributed with any other product without written or emailed permission of the copyright holder.

The user is granted a non-exclusive license to use the Software on one computer, for any legal purpose, at a time.

The Software including its files may not be rented or leased, or given away to a third person, but may be permanently transferred, if Tek'it Audio have authorized the transfer and the person receiving it agrees to the terms of this License Agreement.

You may not use, copy, emulate, clone, rent, lease, sell, modify, decompile, disassemble, otherwise reverse engineer or transfer the licensed Software, or any subset of the licensed Software, except as provided for in this License Agreement.

Any such unauthorized use shall result in immediate and automatic termination of this license and may result in criminal and/or civil prosecution.

THIS SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT OR ARISING FROM A COURSE OF DEALING, USAGE, TRADE OR PRACTICE.

Some jurisdictions do not allow the exclusion of implied warranties, so the above disclaimer may not apply to you.

IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

All questions concerning this License Agreement shall be directed to:

e-mail: [contact@tekit-audio.com](mailto:contact@tekit-audio.com)

web: <http://tekit-audio.com>

# Overview

Thank you for choosing Kutter 2, Tek'it Audio sequenced frequency cutter effect. Cut frequencies on the 12 bands easily and synchronizes the effect on the beat with the 16 steps modulation sequencer.

We hope you enjoy this software and create cutting edge gate, chop, cut with him. Please, take the time to read this manual and learn how to exploit all the feature of Kutter 2.

## Feature highlights

- ▶ 12 bands frequency cutter
- ▶ 8 to 128 steps modulation sequencer, synced to your host
- ▶ 4 sequencer memories per preset
- ▶ Sequencer play forward or reverse
- ▶ Phase inverter and Sharp mode
- ▶ Wet and dry signal mix
- ▶ Full MIDI automation support
- ▶ Easy MIDI learn on all parameters
- ▶ Works in mono or stereo
- ▶ Preset manager, rename, copy, save, load...
- ▶ Undo your changes to initial preset value
- ▶ One click preset randomize
- ▶ 32 Factory effect presets

# Requirements

This software is a "Virtual Studio Technologies" plug-in (VST), he work only with VST 2 compatible host software or on other host through the use of a VST adapter. It requires a host that transmit transport and tempo messages to work properly.

## System requirements:

### Operating System

- Microsoft® Windows® 7, XP (SP2 or later), or Vista™

### CPU

- 1,5 GHz or higher with SSE

### Memory

- 512 Mb RAM or higher

### Graphics

- 800x600 32 bit

### Audio

- Audio interface with ASIO driver support recommended and minimum 44kHz samples rates.

### MIDI

- To use the automation a Host with automation features and for MIDI learn a MIDI interface and an external MIDI control device is required.

# Installation

1. Simply run the installer program by double-clicking it, and follow the on-screen instructions.



2. Run your host software and load TA - Kutter 2. Consult your host documentation for information on how to do this.



Our un-installer keep your system clean, all the files are deleted and there are no entry left in our Windows registry.

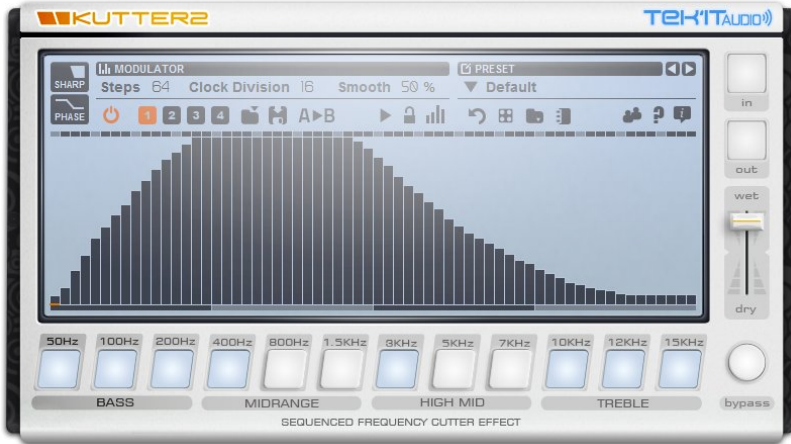
# Demo version

The demo version of Kutter 2 gives you full functionality, but the sound dropout regularly and a nagscreen will pop every 2 minutes.

To avoid this restrictions, you will need to purchase the full version. You can buy a license at <http://tekit-audio.com/kutter/>

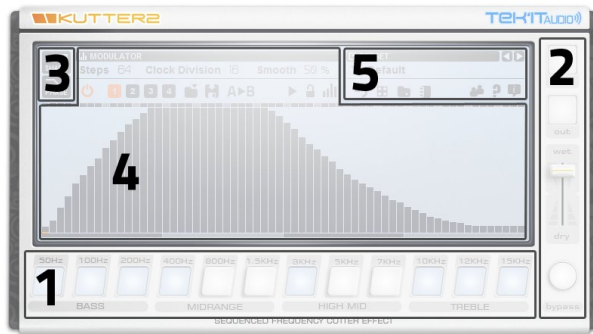
# Using

Kutter 2 can be used on a stereo or mono track as an insert effect or as send/return effect.



Kutter can be divided in five distinct parts:

1. Cutter
2. Mixer
3. Effects
4. Modulator
5. Preset



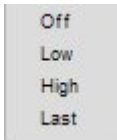
# Control Types

While using Kutter, you will find that many parameters have similar controls. Hovering your mouse over a control will bring up a tooltip with its name or description.



## Switch

A two position switch, click on it to change the position.



## Popup Menu

Appears on a left click or right-click on a text or an icon to select a value.



## Peak LED

A LED indicator that light when the signal is overloaded. Click on it to switch it on or off.



## Fader

Works like an hardware fader, click on it and drag your mouse up or down to move it.

# Cutter

Each switches attenuates frequencies within a range around their cutoff frequency.

There are twelve frequency bands, divided into four groups each consisting of 3 bands.

**Bass:** 50Hz, 100Hz, 200Hz.

**Midrange:** 400Hz, 800Hz, 1.5KHz.

**High Mid:** 3KHz, 5KHz, 7KHz.

**Treble:** 10KHz, 12KHz, 15KHz.

Press their respective switch to activate them.

# Mixer

## In and Out LEDs

Lights up when the In or Out signal overload and a clipping may occur.

## Mix

Mix the dry and wet signal. At full top only the wet signal pass (the effect) at the full botom only the dry signal pass (the original sound). Can produce interesting effect used with the phase control.

## Bypass

Bypass all the internal processing. The sound out is the same as the sound in, leaving the sound unaltered.

# Effects

## Sharp

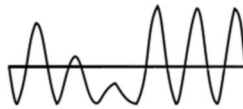
Double the attenuation effect and makes deeper cuts.

## Phase

Invert the phase of the sound before the amplification stage. Can be very usefull when Kutter is used on a send/return channel or the mix control.



**Normal phase**

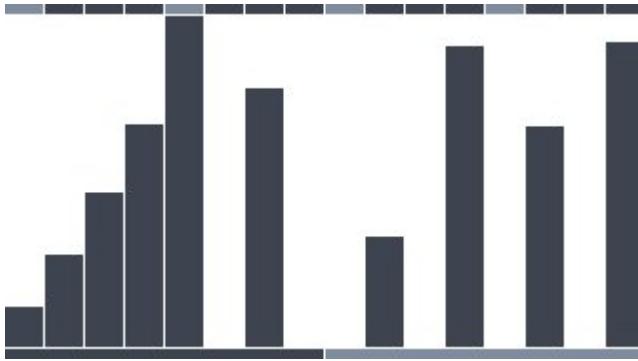


**Inverted phase**

# Modulator

You can modulate the effect on a steps bar graph sequencer which is synchronized to the tempo of your DAW.

## The Sequencer



The height of the bars can be adjusted with the mouse. The higher the bar, the greater the effect cuts the sound. Fine adjustments can be made by pressing the Ctrl key while dragging the mouse.

## Steps

Change the number of steps of the sequencer from 8 to 128 steps.

## Clock Division

Speed up or slow down the speed of modulation, by dividing the clock from 1 to 64.

## Smooth

Smooth the cut effect between each step.



### **On/Off**

Play or stop the sequence programmed on the sequencer.



### **Preset**

You can have four modulator internal presets in your main preset. Click on one of the four presets buttons to select it.



### **Load Preset**

Load the currently selected preset in the modulator.



### **Save Preset**

Save all the modulator settings to the currently selected preset.



### **Copy Preset**

Copy the current modulator settings to another main preset. Click it one time the modulators setting is loaded in memory, change the main preset to the preset you want to copy the modulator, click it again the memory is loaded in your main preset.



### **Playback Direction**

Change the direction of the played sequence. Can be forward or reverse.



### **Lock**

Lock the sequencer. Then locked you can't edit the sequence.



### **Highlight Preference**

Change the highlighting mode of the sequencer.

# Preset

Kutter 2 comes with a default bank of 128 presets made by Tek'it Audio and Justin O'Quinn an EDM producer.



## Preset Change

Change the current preset, left to previous and right to next.



## Preset Selector

Display a popup menu with all the presets in the current bank. Click on one to select it as the current preset.

## Current Preset Name

Display the name of the current preset. Click on it to rename the preset.

The default presets are classed in three types, recognisable by their prefix, EQ (equalize) for simple cut effects without modulation, MOD (Modulation) for a smooth modulations like fades and GAT (Gate) for gated modulations and chop effects.



## Undo All Changes

Undo all your changes to their initial preset value. If you change the preset before it does not work, because your changes are saved automatically when you switch to another preset.



## Randomize

Randomize all parameters except Bypass and the Sequence.



## Manage Preset And Bank

Open the preset manager popup menu.



### Copy Preset

Copy the current preset to another preset or a range of presets.

### Load Preset

Load a preset in (\*.fxp) file format on the current preset.

### Save Preset

Save the current preset in (\*.fxp) file format.

### Load Bank

Load an bank (\*.fxb).

### Save Bank

Save the bank of presets in a file (\*.fxb).



## Notes

Open a popup where you can write the author name of the preset and notes.

# MIDI

Kutter 2 have integrated MIDI learn and full automation on all parameters.

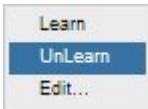
## Integrated MIDI learn

All controls can be controlled by an external MIDI controller easily, simply right click on the parameters you want to control and the Learn popup menu appear.



### Learn

Click on Learn, move a control on your MIDI device and it will automatically assigned.



### UnLearn

Click on UnLearn will clear the controller.

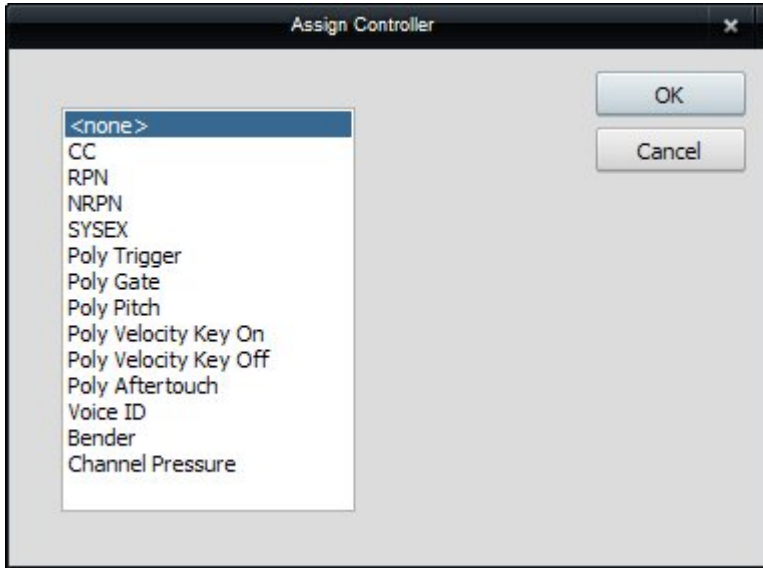


Some hosts (like FL Studio) filters MIDI CC messages coming from MIDI controller, integrated MIDI learn can't work properly in such hosts.

## Edit...

Click on Edit will open the Assign Controller dialog.

You can change manually the MIDI controllers using 7-bit MIDI Continuous Controller or High resolution 14-bit MIDI NRPN and RPN.



## Automation

Each controls can be automated using your host automation features.

Consult your host documentation for information on how to do this.

# Updates and Support



Updates will be made available online at <http://tekit-audio.com/kutter/>

Check the related news for detailed information on each updates.

Registered customers will be informed by email of updates availability.



Additionally you can follow us on Twitter for instant updates and news at <http://twitter.com/TekitAudio>



For support, ideas, complaints, testimonials, sound demo, presets and anything you feel is worth sharing, please use our contact form at <http://tekit-audio.com/contact-us/> .

If you prefer, you can contact our team directly by email at [contact@tekit-audio.com](mailto:contact@tekit-audio.com)



# Other Products

Some products to come or already available.



## Badass

A filter and distortion effect that give to your sounds a little bad grain or destroy them completely with the help of distortion effects, filters, lo-fi effect and ring modulator.



## Genobass

A monophonic bass synthesizer plugin, designed to be simple to use, for all your bass need, from simple bass to acid bassline.



## Genobass R

The anniversary edition of our free monophonic bass synthesizer plugin, with more bass, more acid, more fat sound, inside.



## Neogen

An hybrid polyphonic synthesizer, charged with a crazy filter section, a reverb, a delay, a chorus and the TOSS a system that can control all the other parameters with one slider



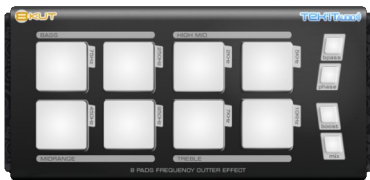
### 8eqf

A semi-parametric 8 band EQ with selectable bandwidth between narrow and wide. Each band offers center frequency, gain, bandwidth and bypass.



### 8eqp

A fully parametric 8 band equalizer with fixed center frequency range for higher precision. Each band offers Q-factor, center frequency, gain and bypass parameters.



### 8kut

A free 8 band frequency cutter, designed with Dj's and live performance in mind. Cut frequencies with the 8 pads, from bass to mids range, high mids and treble.



### APC

Virtual re-creation of a popular DIY circuit the Atari Punk Console. APC is a square wave synthesizer that creates fun "low-fi" sound, and comes with users MODs.

# Credits

## **Code, design and conception:**

Michaël Dubois

## **Additional Softwares:**

Chris Kerry

Dave Haupt

Jeff McClintock

Jordan Russell

Peter Schoffhauzer

## **GUI Design:**

Michaël Dubois

## **Preset Design:**

Justin O'Quinn

Michaël Dubois

## **Software Test:**

Justin O'Quinn

Michaël Dubois

## **User Manual:**

Michaël Dubois

## **Special Thanks to:**

Everyone else who has contributed to the 'Kutter2' development in any way.



Create, play !

