

# TAL-BassLine-101

## USER MANUAL



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## TAL-BassLine-101

# Introduction

The TAL-BassLine-101 is a Virtual Analog software synthesizer plugin that supports all common sample rates higher or equal 44100Hz.

The synth was designed to emulate the analog hardware as accurate as possible and brings the synth sound of the 80's back into your DAW. This synth does not use any samples and computes all sounds in real-time.

It's tested and works within the most common audio hosts as *Ableton Live*, *Cubase*, *Logic Pro*, *Garage Band*, *Reaper* and *DSP-Quattro*. No standalone version available. Try the unregistered demo version to be sure that the plugin works in your environment.

Please use at your own risk. We take no responsibility for any damage caused by our VST and AU (Audio Unit) plug-ins.

# Installation

## Windows

### Requirements:

- SSE compatible processor (Pentium II or higher is required or an AMD equivalent)
- Windows XP or higher.
- A VST 2.4 compatible host.

### Installation:

- Download the file *install\_TAL-BassLine-101.zip* and unzip it.
- Execute *install\_vst\_32.exe* if you want to install the 32 bit version of the plugin or *install\_vst\_64.exe* if you have a 64bit host (sequencer). Please read the manual of your sequencer to find out whether it needs 32 or 64 bit plugins. It's also possible to install both versions of the plugin.
- Step through the wizard and choose the path where you want to install the plugin. Please read the manual of your host to get more information where this directory is.

**In hosts like Cubase, the plugin will show up after a restart. Some hosts need a plugin rescan. If you use Ableton Live and the plugin does not show up after a VST plugin rescan, try to disable and re-enable VST plugin support.**

### Uninstall:

Just delete the plugin to uninstall it.

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## OS X

### Requirements:

- OSX 10.5 or higher.
- Intel Processor.
- A host that supports AU (Audio Unit) or VST 2.4 plugins.

### Installation:

- Download the *TAL-BassLine-101-installer.pkg*, unpack it and run the installer. The installer copies the plugin to the right directory. It installs all available versions for OSX (VST 32/64bit, AU 32/64bit).

### Uninstall:

Just delete the plugin. Its located in following directories:

*/Library/Audio/Plug-Ins/VST/*

or for Audio Units:

*/Library/Audio/Plug-Ins/Components/*

**In hosts like Cubase, the plugin will show up after a restart. Some hosts need a plugin rescan. If you use Ableton Live and the plugin does not show up after a VST plugin rescan, try to disable and re-enable VST plugin support.**

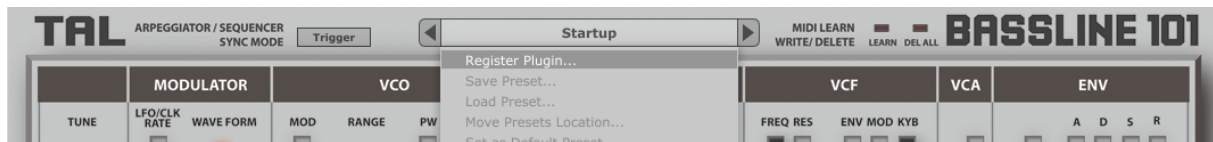
## TAL-BassLine-101

### Registration

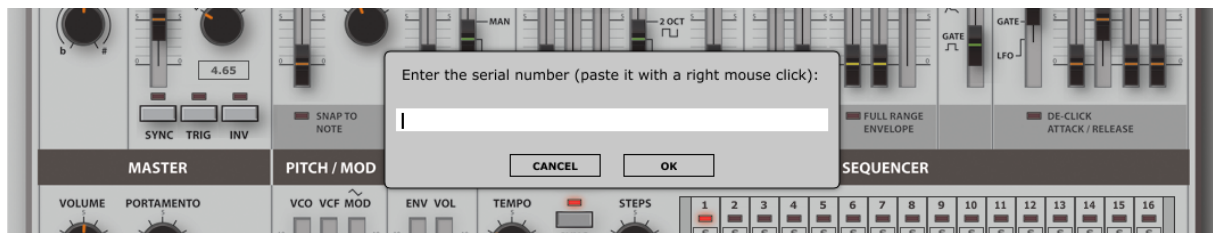
In demo mode it's not possible to save or export presets and the plugin does not save its state within your host.

It's possible to use the plugin also when it's not registered. Only preset saving and loading is disabled and you lose the plugin settings if you close and re-open a host arrangement.

After registration, saving and loading presets will be enabled. Click on the preset name and *Register Plugin...* to register the plugin.



This opens the *Register Plugin* dialog. You have to paste the 32 digit serial number into the text field and press *OK*. Please use the right mouse button to paste the serial. The plugin is now registered if you entered the serial you received by an email. You can see this on the bottom left corner of the plugin. The text *Registered* should show up.



**Do not save an arrangement that uses the plugin when it isn't registered anymore for some reason (for example after reinstalling your operating system). Otherwise you will overwrite the plugin state with the default preset.**

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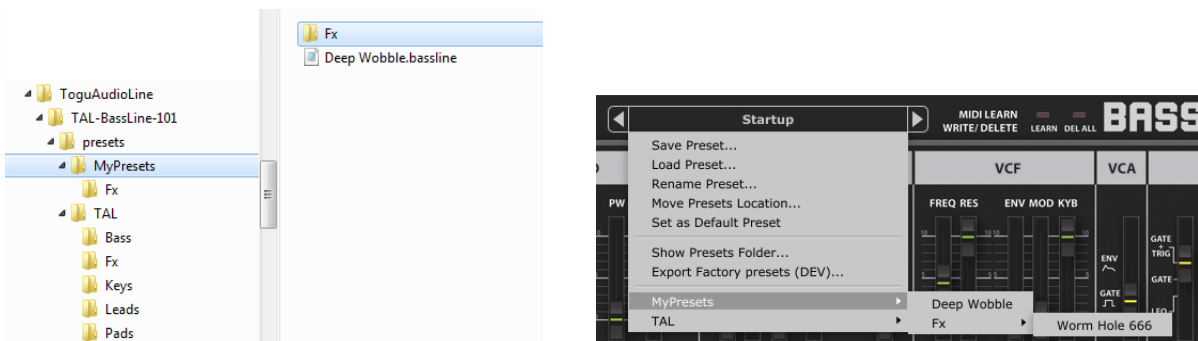
## Menu

A click on the current preset name opens the pop up menu. The menu contains important features to manage presets. The left and right arrows allow you to step through them or you can choose a specific preset directly in the menu. The preset system is file based. Windows and OSX presets are compatible.



## Save Preset

Saves the current active preset at a specified location. Make sure you save your preset in a sub folder of the main “presets” folder if you want see your presets in the context menu. Following example shows a new saved preset in a new own folder and the result in the menu:



## Load Preset

This function opens a file dialog that allows preset loading from every location.

## Rename Preset

Renames the current active preset.

## Set as Default Preset

Sets the current active preset as default. After that, the synth will automatically load the default preset if you creating a new instance of the synth. The default preset will be saved in the “presets” folder.

## Show Preset Folder...

Shows up an *Explorer* (Windows) or *Finder* (OSX) window at the plugins preset location. This allows it to create new folders, renaming and moving the presets around. You can also import presets. All you have to do is to copy them in a sub folder of the “presets” folder. **Make sure you that you only edit folders and**

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presets in subdirectories of “presets”; otherwise the synth will not find the presets anymore.

## Restoring Factory Presets

Delete, rename or move the folder with the name “presets”. After creating a new plugin instance the plugin automatically restores the factory presets if this folder is missing.

## Overview

**Modulator**  
**Waveforms:**  
 Triangle, Pulse, Random, Noise.  
**Rate:**  
 0.1 to 30Hz  
 Sync: 1/16, 1/8, 1/4, 1/2, 1/1, 2/1 1/1 (dot, tri)  
**Trigger:**  
 Triggers the LFO to NoteOn Events.  
**INV:**  
 Inverse LFO Waveform.

**VCO**  
**MOD:**  
 Modulates the VCO tune up to +24 notes  
**RANGE:**  
 Changes the VCO octave.  
**PW:**  
 Change pulse width modulation intensity.  
**PW Modulation Mode:**  
 LFO, Manual and Envelope Modulation.

**MIXER**  
 Control Pulse, Saw, Sub-Oscillator and noise volume.  
**SUB-OSC MODES:**  
 One octave down. Two octave down. Two octave with 1/4 PW.

**FILTER**  
 24dB Resonance Low-Pass Filter.  
**ENV :**  
 Envelope modulation intensity.  
**MOD :**  
 LFO Modulation intensity.  
**KYB :**  
 Filter Keyboard follow.

**ENV / VCA**  
**VCA:**  
 Envelope and Gate mode.  
**GATE & TRIG :**  
 Triggers the envelope at every new note.  
**GATE :**  
 Triggers the envelope only if not already playing.  
**LFO :**  
 LFO triggers envelope.



**MASTER**  
 Controls volume, octave transpose and portamento mode and intensity.  
**POLY :**  
 Enables 6 voice polyphony.  
**PANIC :**  
 Resets the synth voices. Useful for hanging notes.

**PITCH / MOD**  
**VCO:**  
 Controls the pitch-wheel VCO modulation intensity.  
**VCF:**  
 Controls the pitch-wheel filter modulation intensity.  
**MOD:**  
 Controls the mod-wheel VCO modulation intensity.

**VELOCITY**  
**ENV:**  
 Controls how much Velocity affects the Filter envelope.  
**VOL :**  
 Controls how much Velocity affects the volume.

**ARPEGGIATOR / SEQUENCER**  
 Arpeggiator and Sequencer settings.

## Synchronization Options



There are different sync modes for the sequencer and arpeggiator:

- TRIGGER  
Sync's to the start of a note.
- HOST  
Sync's the arpeggiator to the host internal time.
- EXT 16  
Allows syncing the arpeggiator with note-on events played on MIDI CHANNEL 16.
- MIDI CLK  
Sync's the arpeggiator to an incoming MIDI CLOCK.

## MIDI Learn



Assign a midi controller to every control of the synth. Do following steps to make a successful assignment:

1. Enable MIDI LEARN
2. Move a U-NO-LX slider or push the button you want to control.
3. Move your hardware controller
4. Disable MIDI LEARN or do some more assignments.

### DEL ALL

Deletes all midi learn assignments.

**Use "Set as Default Preset" to save your midi-learn settings.**

## Additional features



TAL-BassLine offers additional, sometime useful settings. Some of these affect the sound. Do not enable them if you want the behavior and sound of the "real" hardware.

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### SNAP TO NOTE

The VCO modulation intensity slider snaps to notes if enabled.

### WHITE NOISE

Switch to white noise.

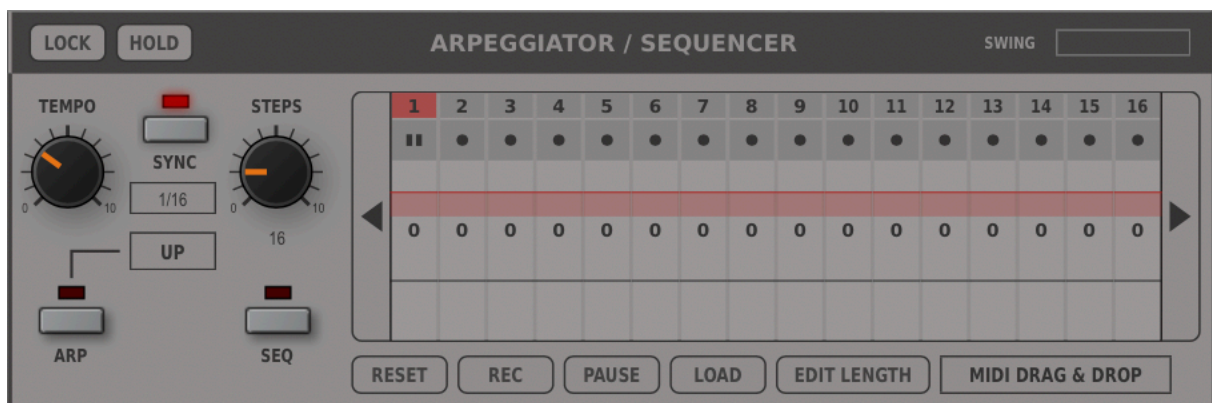
### VOLUME COMP

The filter compensates the volume if you turn up the resonance.

### FULL RANGE ENVELOPE

Extend the envelope modulation range up to the whole filter cutoff range.

## Arpeggiator / Sequencer



### LOCK:

Lock the current arpeggiator and sequencer settings while changing presets.

### HOLD:

Holds the last played note or notes also if you do not play anymore.

### TEMPO:

Adjust the sequencer / arpeggiator tempo. It's possible to sync it to the sequencer tempo. Dotted and triple notes are possible too.

### ARP / SEQ:

Enables the arpeggiator or the sequencer. The synth runs in normal mono voice mode if ARP and SEQ aren't enabled.

### STEPS:

Defines the number of sequencer steps up to 64.

### RESET:

Set the sequencer pattern to its default values.



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### **RECORD SEQUENCE:**

Record a sequencer pattern through an external hardware keyboard or other MIDI device.

### **LOAD SEQUENCE:**

Makes it possible to load a sequencer pattern from an existing preset without affecting the other synth settings.

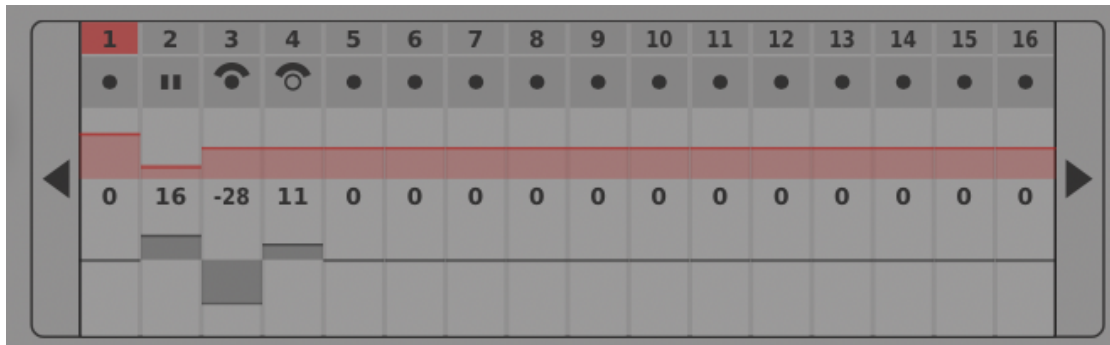
### **EDIT MODE:**

Changes the edit mode for the sequencer step from velocity (Green) to note length (Red).

### **MIDI EXPORT:**

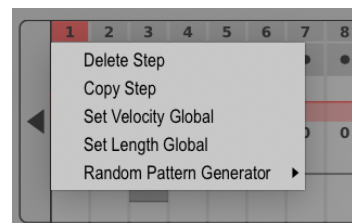
Export the sequencer pattern to a midi file. Just drag and drop the MIDI EXPORT button into a track of your sequencer or to your file system.

## Sequencer Pattern Editor



### Position

Displays the pattern number. The LED indicates the current sequencer position. click at it opens the option menu:



A



### Slide

The **S** Button enables slide for the current sequencer step. There are two different modes:

- Filled Point: Portamento with envelope reset.
- Empty Point: Portamento without resetting the envelope. Holds the note.



### Pause

The **P** button inserts a pause step.

### Velocity / Note Length Slider

If edit mode is set to velocity (Red) the slider controls the velocity of every step. If set to note length (Green), the slider changes the note length of the current step.

### Note Offset

Define the offset (pitch) of the note to the current playing key.



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