



Ampeg®

SVT SUITE

Quick Start Guide



A guide to the features and functionality of the Ampeg SVT Suite plugin

Contents

Welcome to SVT Suite

Features	2
Requirements and Installation	2
Purchasing the Software License	3
Authorizing your Computer	3
SVT Suite - Check for Updates	5

Quick Start

Mono and Stereo Track Plugin Functionality	8
Live Input Monitoring Through SVT Suite Plugin	8
GUI Overview	9

Toolbar Controls

Preset Browser	10
A/B Compare	11
Undo and Redo	12
MIDI Control	12
Account	13
Help	14
Preferences	14

Input and Output Controls

Input Controls	15
Output Controls	16
View Tabs	16

FX View

FX View Bypass	17
Reorder Effects	17
Effects Models and Parameters	17

Amp View

Amp View Bypass	19
Front/Back View Selector	19
Amp Model Menu	19
Amp Models	20
Working in the Amp View	22
Back, Power Amp Configuration View	23

Cab View

Speaker Cabinet Options	24
Using Impulse Responses	26

Plugin Parameter Automation

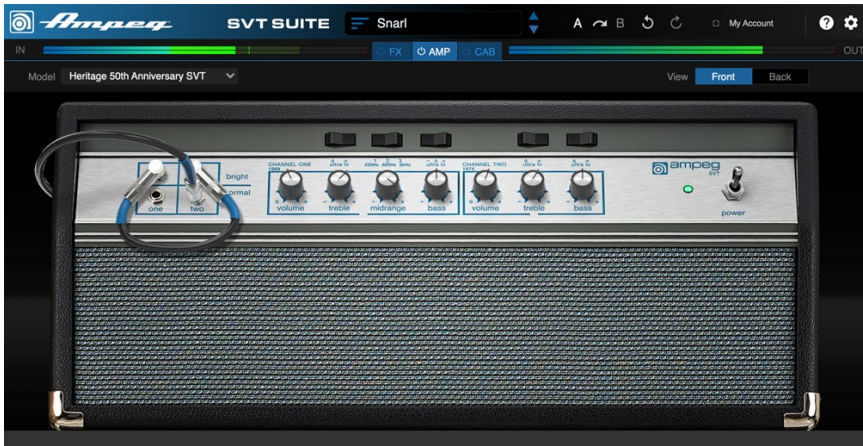
Automating a Parameter	28
Writing Parameter Automation	30

Additional Resources

31

Welcome to SVT Suite

Thank you for purchasing the Ampeg® SVT® Suite software, the collection of classic SVT amp, cab/IR, and effects models all within one effects plugin “suite,” brought to you by the folks at Ampeg.



The SVT Suite plugin

This guide contains details of the SVT Suite v1.0 plugin's features and functionality. All behaviors are the same on Mac and Windows® computers (and for all plugin formats—AAX, AU, VST3 & VST2) unless otherwise noted. For the most part, the many host DAW applications on the market work very similarly regarding how you insert and utilize effects plugins. However, each host may have some unique features and settings you'll want to take advantage of, so be sure to read through your host DAW application's user documentation as well.

Features

Ampeg SVT Suite is much more than a one-trick audio processing plugin. It allows you to configure a full signal path, including your choice of classic effects, amp, and up to two speaker cabs (each with your choice of Mic and/or direct signal blending) or IRs, all with fully tweakable settings. All is managed within its simple but powerful user interface.

- 3 legendary Ampeg SVT amp models
- 8 different legendary Ampeg bass speaker cabinet models
- 6 mic models with adjustable position and parallel room mic blend
- Ampeg Opto Comp, Scrambler, Liquifier, and other essential bass effects pedals
- Ampeg SVT-DI Tube output with Saturation knob for parallel signal blending
- Single or dual speaker cab capabilities
- Single or dual Impulse Response (IR) loading capabilities

Requirements and Installation

Ready to jump in? The latest SVT Suite installer for Mac & Windows computers can be downloaded from the [Ampeg Software page](#). Once installed, a free 15-day trial is available, allowing you to fully try the software on your system. After 15 days, you are required to purchase and authorize the SVT Suite plugin to continue using it on your system. Please check the requirements below to make sure your computer and DAW software meet the minimum requirements.

System Requirements

To follow are the requirements to install and use the SVT Suite software on your DAW computer system. Note that SVT Suite is a 64-bit plugin and, therefore, requires that your host DAW application supports 64-bit plugins.

Mac Computers:

- macOS 10.14 and later*
- 64-bit AAX Native, Audio Units (AU), VST® (VST2 or VST3) host DAW software

Windows Computers:

- Windows 10 (64-bit versions only)*
- 64-bit AAX Native, VST (VST2 or VST3) host DAW software

Minimum Hardware Requirements

- Dual-Core 2.0GHz processor or faster
- 4GB of RAM
- 100MB of free disk space
- Internet connection required for license authorization and use of trial version

*Please refer to the SVT Suite installer's Release Notes and Ampeg Support for specific details about support with the very latest Mac and Windows operating system versions.

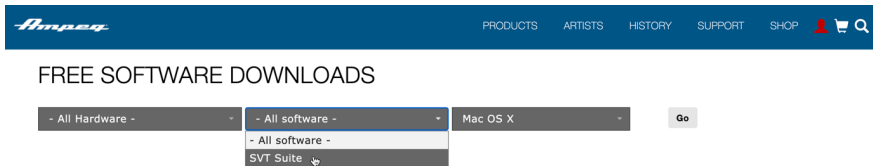
Installing SVT Suite



The first step is to sign in to your **Ampeg User Account**. If you don't already have one, just go ahead and create one now at [ameg.com/account](https://www.ameg.com/account)—all the cool kids have one, and it's free! Then follow the steps below.

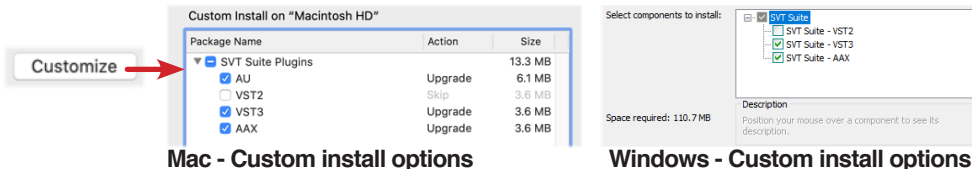
NOTE: An Internet connection is required for the computer on which you want to install and run the SVT Suite trial version, as well as for license authorization & deauthorization. License authorization on your computer is required for the use of SVT Suite plugin.

1. Once signed in, you can head directly to the [Ampeg Online Store](#) page and purchase your SVT Suite license (see [“Purchasing the Software License” on page 3](#)), or proceed to the next step to install the SVT Suite software on your computer and optionally choose the 15-day free trial.
2. Proceed to the [ameg.com/software](https://www.ameg.com/software) page, choose to find SVT Suite for your Mac or Windows system, and download the latest SVT Suite installer version.



The ampeg.com software downloads page

3. Exit your host DAW and all other applications, then run the installer and follow its steps to complete the installation (yes, we do recommend reading each screen before just clicking to the next!). If desired, you can customize the installation to install only the format(s) you require (AAX, AU, VST3, or VST2) for your particular host DAW application.*



Mac - Custom install options
(click the Customize button to access options)

Windows - Custom install options

***NOTE:** If your host DAW application supports VST3, it is recommended that you do not also install the older VST2 format (VST2 is not selected by default). The VST2 format is offered for users that have host DAW applications that do not yet support VST3 plugins.

On Windows installation, if you do choose to install VST2, you'll be prompted to enter a custom install location. Please take note of the VST2 install location you choose since your host DAW may require that you manually define this VST2 directory within its Preferences to allow its VST2 scan to find it.

4. Launch your host DAW application and it will typically scan and find the Ampeg SVT Suite plugin and list it within its audio plugin insert menus.

5. Insert the SVT Suite plugin on a track within your DAW project (see [“Quick Start” on page 6](#)). You'll initially see the license authorization screen.

- **If You Have Already Purchased an SVT Suite License** - You'll be prompted to authorize the computer for this license—please skip ahead to [“Authorizing your Computer” on page 3](#).
- **If You Have Not Yet Purchased an SVT Suite License** - You can either choose to purchase now (see the next section), or start a 15-day free trial (see [“To Use SVT Suite in Trial Mode” on page 4](#)). Once the trial expires, it is necessary to purchase and then authorize the computer with which you will be using SVT Suite, or the plugin will no longer be functional.

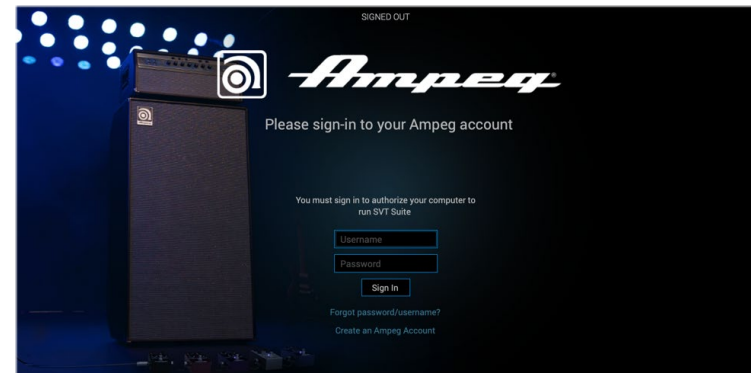
Purchasing the Software License

The SVT Suite license is available for purchase from the [Ampeg Online Store](#). Just add SVT Suite to your shopping cart, checkout, and, through the power of the Interwebs, the license is immediately deposited into your Ampeg User Account. Alternatively, you can first download and install the SVT Suite software and then choose to purchase or run it as a free trial first (see [“Installing SVT Suite” on page 3](#)). Once you've purchased the SVT Suite license, use the plugin's Authorization screen to authorize your computer to run SVT Suite, as covered in the following section.

Authorizing your Computer

Before you can use SVT Suite, the computer on which you will be running the plugin must be authorized for your purchased SVT Suite license. Authorization is accomplished within the plugin's built-in Authorization screen, via an Internet connection directly from your DAW computer. Once you've installed the SVT Suite software, launch your host DAW application, insert an instance of the SVT Suite plugin on a track and launch the plugin window. (Please see [“Quick Start” on page 6](#) for help on how to insert SVT Suite plugin within a host DAW.)

1. **Sign in** - Once launched, the SVT Suite Authorization screen is displayed, prompting you to sign in using your Ampeg User Account username and password. (Note that your username is typically the name you created when creating the account and *not* your email address!)



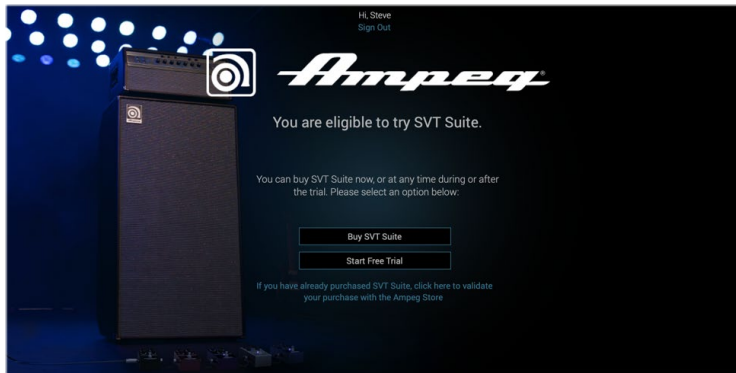
The initial SVT Suite Authorization - Sign In Screen

NOTE: Once an SVT Suite license is purchased and your computer is successfully authorized, you will no longer be prompted to sign in on each use. Being actively signed in is then only necessary to deauthorize and authorize your computer.

- **If You Have an Existing Ampeg Account but Forgot Your Login** - Click the **Forgot password/username?** option and follow the steps to reset your login credentials.
- **If You Don't Yet Have an Ampeg Account** - Click the **Create an Ampeg Account** link to create one. Or you can do that right now by going [here](#)—it's free!

2. Enter your username and password and click **Sign In** to proceed.

- **If You Have Already Purchased an SVT Suite License with this Ampeg Account** - Upon signing in, select the **Authorize Computer** option and you should see confirmation that your computer is now successfully authorized.* You can now start using SVT Suite!
- **If You Have Not Yet Purchased an SVT Suite License** - You'll be informed that no license was found on your Ampeg account, and you'll have the option to buy it now, or start a free trial.



SVT Suite plugin's purchase & trial mode options

***NOTE:** Be sure to Sign In using the same Ampeg Account you used when making the SVT Suite license purchase!

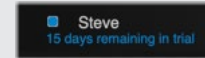
To Purchase the SVT Suite License

Click the **Buy SVT Suite** button and follow the steps on the secure Ampeg Online Store. Once complete, an SVT Suite license will be deposited into your Ampeg account. Your purchased license will be found and SVT Suite plugin will authorize on your computer.

To Use SVT Suite in Trial Mode

Click the **Start Free Trial** button and you'll be able to use the SVT Suite plugin without restriction on this computer for 15 days (an active Internet connection is required for the Trial Mode). You may be prompted to sign in for each session when using SVT Suite in trial mode. After the trial period expires, SVT Suite will no longer be functional unless you choose to purchase the SVT Suite license.

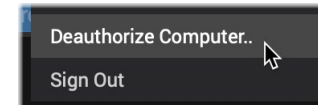
NOTE: Once you've started the free trial version, you'll see your remaining trial time displayed with your account sign in name at the top of the plugin window. Click directly on this indicator if you wish to purchase your SVT Suite license.



Deauthorizing - Moving to Another Computer

Once you have purchased the plugin license and authorized your computer (or if using the free trial version), if you wish to run SVT Suite plugin on a different computer, it may be necessary that you first deauthorize your current computer.*

To deauthorize, click on the Toolbar's My Account menu to Sign In to your Ampeg account, then choose **Deauthorize Computer** from this menu. (Also see [page 13](#)).



Selecting Deauthorize Computer from the My Account menu

Once you've deauthorized the computer, authorize it again at any time by performing the **Sign In** to your account from the My Account menu. In this scenario, since you had previously authorized this computer, it is automatically authorized upon a successful sign in.

***NOTE:** Ampeg generously permits you to have your purchased or trial mode SVT Suite license authorized on a maximum of 5 of your own computers concurrently. To move the license to a different computer, it is necessary to deauthorize on at least one of these systems to free up an authorization to be used on another computer. For further assistance, please contact [Ampeg Support](#).

Removing SVT Suite

Should you ever desire to remove SVT Suite from your computer system, first quit your host DAW application, then follow the instructions below.

Mac

To uninstall each plugin format, move the following files to the Trash:

- **AU plugin:** /Library/Audio/Plugins/Components/**SVT Suite.component**
- **VST2 plugin:** /Library/Audio/Plugins/VST/Ampeg/**SVT Suite.vst**
- **VST3 plugin:** /Library/Audio/Plugins/VST3/Ampeg/**SVT Suite.vst3**
- **AAX plugin:** /Library/Application Support/Avid/Audio/Plugins/Ampeg/**SVT Suite.aaxplugin** (or, you can optionally drag the SVT Suite.aaxplugin file into the /Plugins (Unused) folder)

Windows

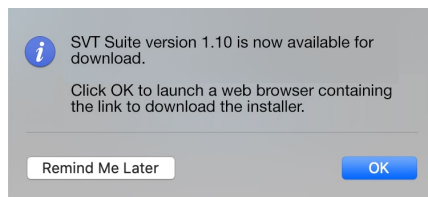
To uninstall all plugin formats:

- Choose Start > Control Panel (or, on Windows 10, choose Settings)
- Click Programs and Features (or, on Windows 10, choose System > Apps & Features)
- Select **Ampeg SVT Suite Uninstaller** from the list of installed applications
- Click Uninstall and follow the on-screen instructions to remove SVT Suite

SVT Suite - Check for Updates

Upon launch of the SVT Suite plugin, it will automatically check to see if you're using the latest available software version. You can optionally choose **Check for Updates** from the plugin's Help menu to check any time as well. An active Internet connection is required for this check. It is highly recommended always to use the latest version to benefit from the latest features and the smoothest product functionality. The process is as follows.

1. **Sign In** - If you have not already done so, click the **My Account** button at the top right of the SVT Suite plugin window and choose **Sign In**, enter your **Username** and **Password**, and click **Sign in** (see [page 3](#)). Once signed in, the plugin automatically checks Ampeg.com for a newer version (or you can click Help - Check for Updates to check manually).
2. If a newer SVT Suite software version is available, you'll be prompted.



NOTE: As of this writing, SVT Suite version 1.00 is the latest version. We're using version "1.10" as a fictitious example in the preceding screen image—the actual version number for a potential next version may differ!

3. Click **OK** and your browser app will launch and go directly to the Ampeg.com website to download the SVT Suite application installer. (You may be prompted to sign in to your Ampeg.com account on the website before downloading the SVT Suite installer.)
Read the License Agreement, click **OK** to proceed, and choose your download location on your computer to start the download.
4. **IMPORTANT!** You must first exit your DAW host application before running the downloaded installer.
5. Double-click on the downloaded SVT Installer file and follow the installer screens' steps to install the new version.



Once the installation is complete, launch your DAW host application, and put the newly updated SVT Suite plugin to use!

Quick Start

OK, we know you're eager to jump right in and put SVT Suite to use! To follow are steps for adding an instance of SVT Suite plugin within a host DAW application's audio track to get you up and running.

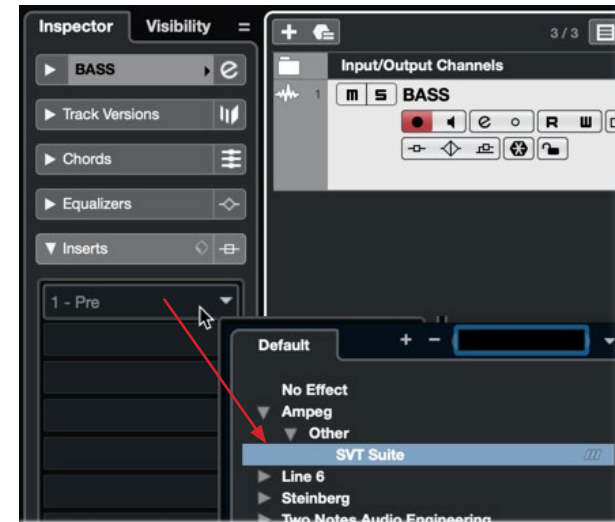
You will find SVT Suite within your host DAW application's plugin insert menus along with all other audio effects plugins. The initial steps in any host DAW application are as follows.

1. Create a Session or Project in your DAW host application.
2. Create at least one audio track. Depending on your host DAW application, it may offer options for "mono" or "stereo" type audio tracks, or just one common audio track type that can record or import either mono or stereo audio, depending upon the hardware input type you choose for the track. Either way, SVT Suite plugin can be added into the effects insert of your audio track.
3. Either record some unprocessed "dry" bass guitar into the audio track, or import an existing recorded audio file into the track so you have something for playback.
4. Now you can proceed to insert an instance of SVT Suite on this track by selecting it from the host DAW track's effects insert menu. To follow we've provided examples on several popular host DAW applications.

Steinberg Cubase

The Cubase® application is offered for both for Mac & PC. It supports the VST3 plugin format.

1. Select your audio track within the Cubase project. Within the track's Inspector at the left of the track (or within the Cubase Mixer window's channel strip for this track), click on one of the slot's menus in the Inserts section.



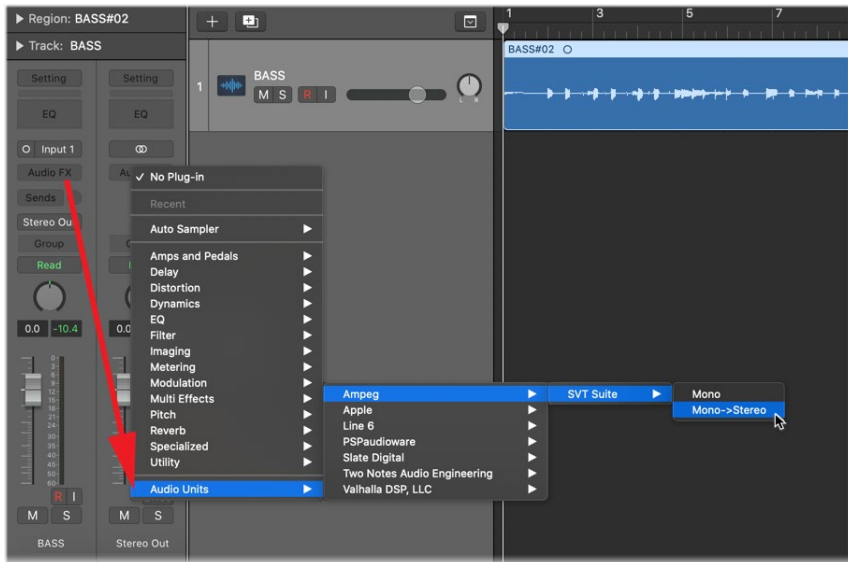
Inserting SVT Suite plugin on a Cubase Pro audio track

2. In the Effects menu, choose **Ampeg > Other > SVT Suite**. Note that Cubase offers both mono and stereo track types. You can simply choose the SVT Suite plugin and it will conform to your Cubase track type (see ["Mono and Stereo Track Plugin Functionality" on page 8](#)).
3. You will then see the SVT Suite plugin appear in the Effects Insert window. Turn your monitoring system to a low level, then choose a preset from the plugin's Preset Browser and hit Play to hear the results.

Apple Logic Pro

Logic Pro is an extremely popular host DAW for Mac. It supports the Apple Audio Units (AU) plugin format.

1. Select your audio track within the Logic Pro project. Within the track's Inspector channel strip (or within the Logic Pro Mixer window's channel strip for this track), click on the **Audio FX** track effects insert menu.



Inserting SVT Suite plugin on a Logic Pro X audio track

2. In the FX window, choose the Audio Units (AU) plugin format type and select **Ampeg > SVT Suite**. Note that Logic Pro offers both mono and stereo track types, therefore, you'll have different sub-options depending on your track's type. The SVT Suite plugin is available for all mono and stereo track plugin type options (Mono, Mono-Stereo, Stereo, and Dual Mono*). Also, see ["Mono and Stereo Track Plugin Functionality" on page 8](#).

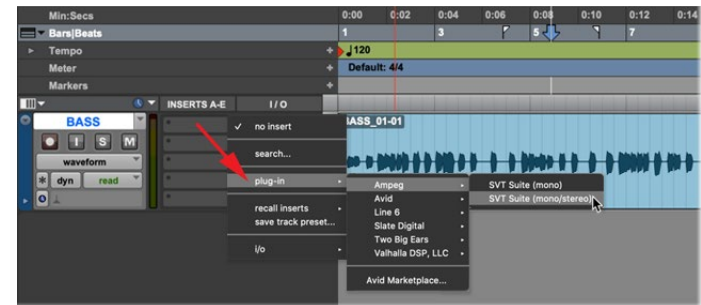
***NOTE:** The Logic Pro **Dual Mono** insert plugin option, available on stereo tracks, inserts two instances of the plugin (each accessed via the L and R buttons at the top of the plugin window). Each instance processes the left and right audio channels of the stereo track independently. Using SVT Suite in this dual mono format allows you to apply different tones to each the left and right audio channels for the track, but will also utilize 2x the CPU power.

3. You will then see SVT Suite appear within the plugin window. Be sure to turn your monitoring system to a low level, then choose a preset from the plugin's Preset Browser and hit Play to hear the results.

Avid Pro Tools

The Avid® Pro Tools® host DAW application for is available for Mac & Windows. It supports the Avid AAX plugin format.

1. Select your audio track within your Pro Tools project. Within the track header at the left of the track (or within the Pro Tools Mixer window's channel strip for this track), click on one of the slot's menus in the **Inserts** section.



Inserting SVT Suite plugin on a Pro Tools mono audio track

2. In the plugin menu, choose **Ampeg > SVT Suite**. Note that Pro Tools offers both mono input and stereo input track types, therefore, you'll have different sub-options depending on your track's type. The SVT Suite plugin is available for all mono and stereo track plugin type options (Mono, Mono-Stereo, and Stereo*). Also, see ["Mono and Stereo Track Plugin Functionality" on page 8](#).

***NOTE:** The Pro Tools **Dual Mono** insert plugin option, which appears on stereo tracks, is not supported by the Ampeg SVT Suite plugin.

3. You will then see the SVT Suite plugin appear in the Effects Insert window. Turn your monitoring system to a low level, then choose a preset from the plugin's Preset Browser and hit Play to hear the results.

TIP: Most host DAWs also allow you to insert plugins on Send, Bus, or Aux track types. Host DAWs differ slightly in their naming and features of these track types, but their main purpose is to allow you to insert a single instance of your plugin and then route the output of any number of audio tracks into it to process them using the same effect. This is the preferred way of processing multiple tracks since, obviously, one instance of your plugin utilizes less CPU power as compared to inserting individual instances on each audio track! Please refer to your host DAW's documentation for details.

Once you insert an instance of SVT Suite and load a preset, the preset's contents are displayed within the plugin's Effects, Amp, and Cab/IR tabbed panels.

Mono and Stereo Track Plugin Functionality

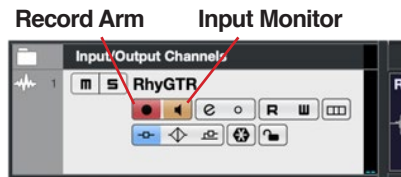
All models within the Ampeg SVT Suite plugin process the incoming signal as mono, regardless of the SVT Suite plugin type (mono, mono-stereo, or stereo type) that you select within your DAW host. The resulting behavior is, if the signal fed into your track, the track's recorded audio, or any preceding plugins on the track are stereo, the SVT Suite plugin instance will collapse the incoming signal to mono (the same mono signal is fed out both channels). If you bypass the SVT Suite plugin, any incoming stereo signal is passed through as stereo since it is completely unprocessed.

Live Input Monitoring Through SVT Suite Plugin

Another great benefit of audio effects plugins is the ability to monitor your input signal through the plugin inserted on the track. This allows you to dial in the desired tone, such as a customized set of effects, amp, and cabs/IRs within the instance of SVT Suite, and then hear your bass guitar (or other track input signal) processed in real-time. Once you hit record, only your “dry” D.I. bass signal is actually recorded into the track, which provides the huge benefit of being able to completely change the plugin settings at any time, right up until you do a final mix-down of the DAW project!

Live Input Monitoring is a function of your host DAW application, and is typically accomplished by the following steps. Each host DAW is slightly different, so be sure to consult your DAW application's documentation for details.

1. Configure your audio track's input options to receive input from whatever audio interface input your bass (or desired instrument) is plugged into.
2. Insert SVT Suite on the track, as described in the previous section.
3. Set the track's Record Arm button to “on” so that the track receives audio input.
4. Activate the track's “Input Monitoring” feature. This is typically a button found near the Record Arm button. This feature allows the live track input to be fed through the DAW track and fed through all plugins inserted on the track.



An audio track in Cubase configured with Record Arm & Input Monitoring active

NOTE: When utilizing your DAW track's “Input Monitoring” feature, you'll want to be sure to disable any “Direct Monitoring” signal on your audio interface (many interfaces offer an optional function that routes your input signal directly to its outputs, without going through the DAW software). This way you'll hear **only** the input signal fed through the SVT Suite plugin. See your audio interface's documentation for details.

5. Now when you pluck a note on your bass, you should hear your signal through the track with the SVT Suite processing applied. You can hit the Record button and try a pass at recording your performance. Upon playback you can then experiment with tweaking the SVT Suite settings even further!

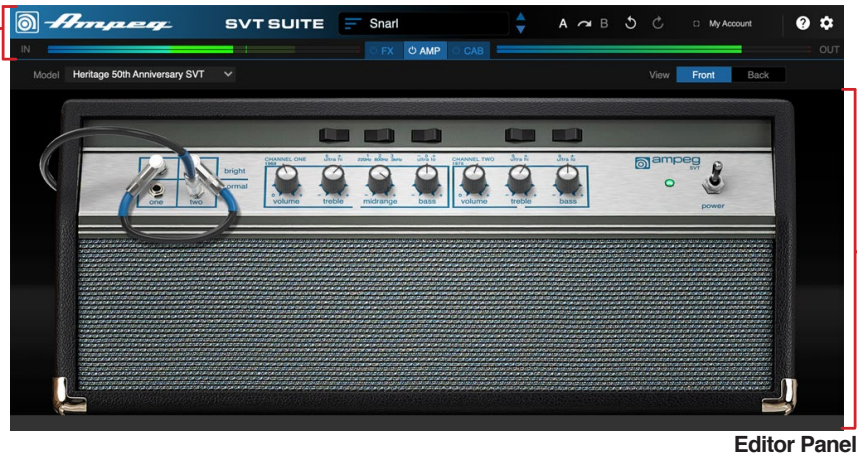
About Latency

Since this input signal is being fed round-trip—into your audio interface, through the DAW software, and back out your audio interface's outputs—it is subject to some amount of “latency.” Latency is the time between when you pluck a note on your bass and hear the resulting audio output through your monitoring system. Latency is primarily a function of your audio interface, host DAW software, and the recording capabilities of your computer system. You can generally get the lowest latency by reducing your buffer size options for your audio interface driver within in your host DAW software's Preferences. Please see your DAW software's documentation for details.

GUI Overview

The SVT Suite plugin has a very simple interface, consisting of two main sections, the Toolbar and Editor Panel, each of which is covered in detail in the following chapters.

Toolbar



Editor Panel

Toolbar

The row of controls found within this top Toolbar are common regardless of the currently loaded preset. The top row options include the Preset Browser, Account options, A/B Compare, Undo/Redo, Help, and Preferences—see [“Toolbar Controls” on page 10](#).

View Tabs

This set of tabs allows you to choose which view is displayed in the Editor panel below: the FX, Amp, or Cab view. Each view can also be bypassed via the bypass button seen on each tab, to pass the incoming audio through all models within the selected view unprocessed. For details, see [“View Tabs” on page 16](#).



The View selector tabs

Editor Panel

The main area of the plugin window displays all the editable elements of your tone, depending upon the view chosen by the toolbar's View tabs: FX, Amp, or Cab view. Within each view, you can choose your specific models and adjust their parameters to taste.

TIP: Drag your mouse vertically to adjust knob controls (rather than try to “turn” the knob).

Tooltips

You'll see helpful text tooltips automatically displayed across the bottom of the plugin window when hovering your mouse cursor over the plugin's different options and parameters.



Toolbar Controls

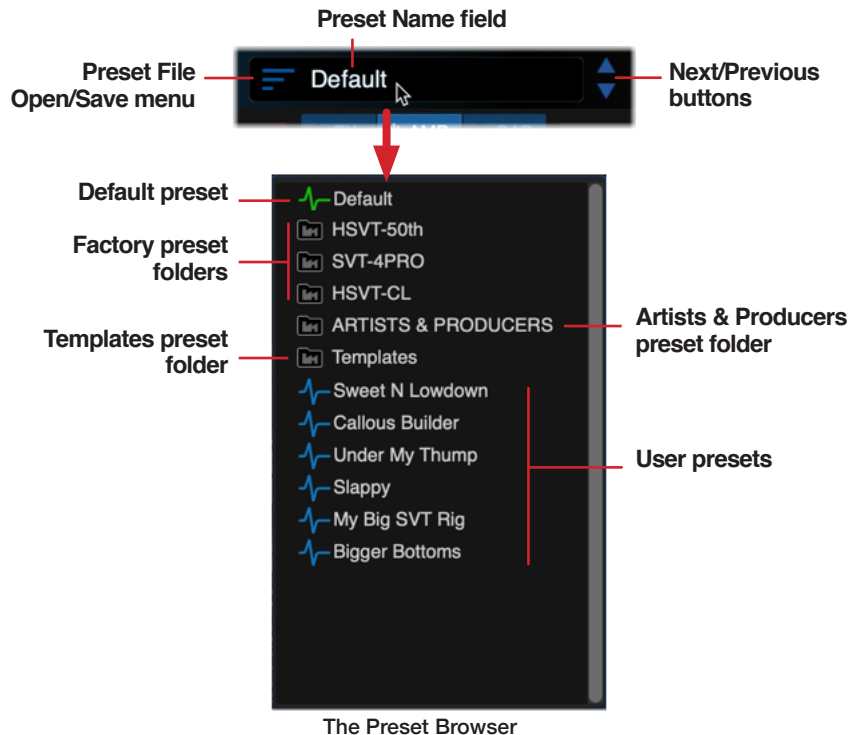
The two rows of controls found within this top Toolbar are common regardless of the currently loaded preset.



Preset Browser

The **Preset Browser** provides access to the included presets. Click the folder to the left of each and select from the individual presets within.

- **Factory Presets** — A range of assorted flavors of presets appear in these folders, arranged by Amp model.
- **Artists & Producers** — Created by Ampeg's top artists, featuring their go-to and signature tones.
- **Templates** — Presets with specific, pre-configured components, as descriptively titled, for a jump start.
- **User Presets** — Once you've created and saved your own presets, they appear individually with blue wave icons within the Preset Browser list.



The Default Preset

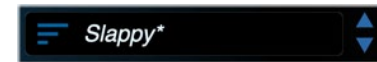
The **Default** preset is the one automatically loaded every time you create a new instance of the SVT Suite plugin. As indicated by the green wave icon at its left within the preset list, the Default preset is read-only, but you can do a Save As and create a User preset copy of it, including your modified settings.

Loading a Preset

There are a few ways to load a preset within the plugin:

- Click on the Next/Previous arrow buttons to cycle through the complete preset list sequentially, without needing to open the preset list.
- Click on the name field to pop open the Preset List, click on a folder, then click on the desired preset within the folder to load it. As you create and save your own presets, you'll see them appear in this preset list with blue wave icons to their left, indicating them as User presets.
- Click on the Preset File Open/Save menu button at the left of the preset name and choose Open... This provides direct access to all your own created User presets (also see the next section).

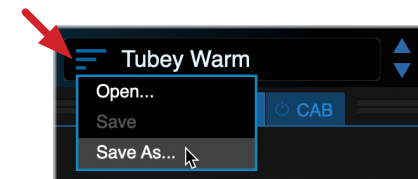
Whenever the currently-loaded preset has been edited, its title within the Preset Browser appears in italics and followed by an asterisk. This lets you know to Save the preset (or do a Save As, if it is a read-only preset) to retain your edited settings—see the next section.



Saving a Preset

You can Save or Save As a preset via the Preset Browser as follows. Note that the Default preset and all Factory and Artists & Producers presets are read-only and cannot be overwritten. Therefore, only the Save As option is available when using one of these presets, allowing you to save a customized copy as a User preset.

To save your preset, click the Preset File - Open/Save menu button and choose Save or Save As. The standard File - Save window is presented, where you can rename the preset as desired, then click OK. You can save a virtually unlimited number of User presets.



Presets are saved into the designated Presets location (within your Mac or Windows Documents folder):

Documents > Ampeg > SVT Suite > Presets

TIP: It's a good idea to make backups once you start creating your own User presets. You can do so by simply *copying* the Presets folder to another location on your computer system.

The following settings are stored within a preset:

- Bypass states for the FX, Amp, and Cab View tabs
- All Input, Output, Noise Gate, and SVT-DI parameter values and bypass states
- All FX model positions, their parameter values, and bypass states
- Amp model selection and all amp (front and back view) parameter values and bypass state
- All Cab/IR selections, their parameter values, and bypass states
- Current view (last view that is displayed when preset is saved is what is displayed upon preset load)
- Custom name entered via the Preset Browser

NOTE: Some host DAW applications also offer their own preset library and Save options for plugins. Any such host application's presets are saved and managed independently—please refer to your host's documentation for details.

A/B Compare

The set of A/B Compare controls allow you to temporarily store all your current SVT Suite parameter settings as a starting point for further fine-tuning, and then easily compare new, edited settings with the original settings. Initially, the A/B controls appear as shown below, with **A** prominently lit, indicating that the **A** state is the one in use.



The A/B Compare controls

NOTE: DAW host applications often include their own A/B Compare feature for effects plugins. However, since SVT Suite is a complex effects plugin with its numerous models and parameters, it is recommended you use this A/B Compare within SVT Suite for its settings.

Also note that these A/B Compare controls are also supported by Undo/Redo, allowing you to reverse the actions performed by the **A**, **B**, and **Copy To** buttons.

To follow is an example for how to use this feature.

1. Once you have loaded a preset or created a tone to your liking within the SVT Suite Signal Flow, click the middle **Copy To** (arrow icon) button.



Copy A to B

You'll see the **B** button flash a few times indicating the **A** settings have been copied to the **B** state. Copying **A** to **B** provides you with a stored "starting point" for further adjustments.

2. Click the **B** button to load the **B** state and proceed to edit your tone to fine-tune it as desired. Note that you can make any type of edits you like within the plugin—adjust knobs and switches, change amp or cab models, load a different IR, or even load a different preset.
3. You can now switch between both settings by clicking the **A/B** buttons while playing your track and audibly compare between them.
4. Optionally, while the **B** button is selected, you can make further adjustments and continue comparing to your original **A** settings.
5. If you decide you still prefer your original settings, simply switch back to, and remain on, setting **A**.

If you decide you prefer your edited settings, with the **B** button selected, copy the **B** settings to the **A** location by pressing the **Copy To A** button.



Copy B to A

This allows you to have these settings now stored in both **A** and **B** as your new "starting point," from which you can repeat the steps 3-5 for further fine-tuning.

All your current settings for **A** and **B** remain stored within the plugin instance for the host DAW project. If your custom tone is one you want to keep permanently, save it as a preset—see "[Preset Browser](#)" on page 10.

Undo and Redo

SVT Suite supports Undo and Redo for most edit actions performed within the currently-loaded plugin preset, accessible via the Undo and Redo buttons at the top of the main plugin window. The Undo/Redo history is tracked per preset and per instance of the plugin.



The Undo and Redo buttons

Undo/Redo is available for most actions performed in SVT Suite, including:

- Parameter changes in FX, Amp, and Cab views
- Amp and Cab model changes and IR file selection
- Input and Output Level settings
- A/B Compare functions (see previous section)
- Amp - Back view power amp parameters

Actions *not* available for Undo/Redo include the following:

- Preset changes (once a new preset is loaded, the Undo/Redo history is cleared)
- Edit actions written or performed via host automation or MIDI control
- MIDI assignments created or cleared using MIDI Learn
- Changes to any settings within the SVT Suite Preferences window

NOTE: Host DAW applications also typically offer their own Undo/Redo commands, and some also offer “A/B Compare” features as well. However, due to the complex architecture of SVT Suite, these types of host commands typically cannot track most actions performed within the plugin. Therefore, we suggest you use only the built-in Undo / Redo within SVT Suite for restoring its actions.

MIDI Control

SVT Suite plugin supports remote, external control of most of its parameters from a connected MIDI controller device (or MIDI software). MIDI control can be “mapped” to the plugin’s parameters using SVT Suite’s MIDI Learn function, as covered in the following steps. MIDI controller assignments are not saved as part of your SVT Suite preset, however, they are saved by your DAW project with the specific SVT Suite plugin instance.

NOTE: You’ll first need to configure your DAW host application to receive MIDI Control input from your external MIDI controller device or MIDI software. These settings are typically found within the DAW application’s Preferences. Additionally, it is often necessary to configure your DAW host track routing so that the external MIDI Controller data is fed directly to your desired plugin instance. Typically, this involves using a MIDI or Instrument track to receive the MIDI input and configuring the MIDI track output to be routed to the audio track on which the SVT Suite plugin is inserted. Please see your application’s documentation for details.

MIDI Learn Toolbar Button/MIDI In Indicator

The MIDI icon on the top row of the plugin’s toolbar toggles the MIDI Learn feature enabled/disabled. The icon also serves as a MIDI Input indicator. It lights up green to indicate whenever it is detected that MIDI messages are entering the instance of the plugin. (This indicator is very helpful to let you if you’ve routed MIDI correctly, and that the plugin is indeed receiving MIDI messages from your external controller.)



MIDI Learn Disabled



MIDI Learn Enabled



MIDI Input Detected

To Create a MIDI Controller Assignment via MIDI Learn:

For this example, we’ll select the Heritage SVT-CL amp’s Gain knob to be controlled via an external MIDI pedal controller. (See the end of this section for controlling switch-type parameters.)

1. Configure your external MIDI controller device pedal/knob (or software) to transmit whatever MIDI CC# you like. For our example, we will configure a pedal controller to send MIDI CC 7. The CC’s full value range (0-127) maps to the full 0-100% of the plugin’s continuous-type knob and slider parameters.
2. Select the Amp tab within SVT Suite and click on the MIDI Learn button to enable MIDI Learn mode. When enabled, you’ll see all assignable knob and switch parameters within the plugin’s Amp View displayed with a blue overlay.



NOTE: MIDI Learn is enabled for all parameters within the current View only (the Amp View in our example).

When MIDI Learn is enabled, all other toolbar options, View tabs, and parameters are **locked**. To create a MIDI controller assignment to an FX or Cab/IR view’s parameter, click the button to disable MIDI Learn, then choose the desired View tab and enable MIDI Learn again.

- Click on the desired knob or switch which you want to control—for our example, click on the amp’s Gain knob to “arm” it. The selected parameter appears with a red overlay.



TIP: Optionally, you can click on and arm additional parameters within the Amp View in this step if you wish to have them also respond to the same MIDI CC you are about to send.

- SVT Suite’s armed Gain parameter “listens” for an incoming MIDI CC message. Move your MIDI controller device’s pedal/knob/switch to send its MIDI CC message into SVT Suite. When the MIDI CC message is received, MIDI Learn is automatically disabled and you’ll see the plugin’s Gain knob display the “learned” CC 7. The assigned CC for any parameter remains visible this way whenever MIDI Learn is enabled.



The MIDI controller assignment for the Gain parameter is now complete and should respond to your MIDI controller. You can repeat the preceding steps to configure any additional parameters for MIDI control.

- To remove any existing MIDI controller assignment within the current tab’s view, enable MIDI Learn, click on the assigned parameter to select it (or click to select multiple assigned parameters) to change to the armed state, and press the **Clear Selected** button. (Note that the Clear Selected button is not selectable if no MIDI-assigned parameter is currently selected within the tab’s view.)



NOTE: The SVT Suite Undo/Redo does not track assignments made or removed via MIDI Learn.

NOTE: MIDI Learn is not available for the Amp - Back View, power amp parameters.

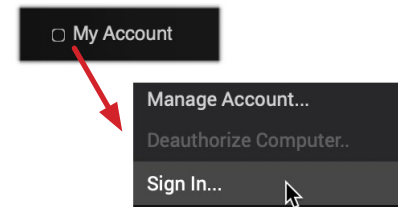
MIDI Assignments for Switch-Type Parameters

SVT Suite plugin includes several non-continuous, switch-type parameters, such as Bypass, multi-stage Midrange selectors, etc. You can also use MIDI Learn using the preceding steps to create assignments for these parameters as well—with the following configurations for your controller’s MIDI CC messages:

- For 2-state switches**, such as the Bypass of any FX, Amp, or Cab - A CC with a value of 0-63 bypasses the parameter, and 64-127 enables it.
- For multi-state switches**, (such as the 3-state Midrange Frequency selector on the 50th Anniversary SVT amp, or the 5-state Frequency selector on the SVT-4PRO amp) CC values map directly to the individual switch states, where value 0 selects position 1, value 1 selects position 2, value 2 selects position 3, etc.

Account

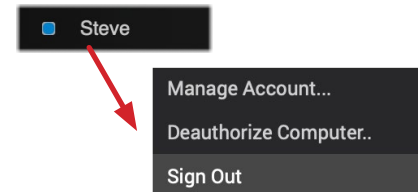
Before you’ve signed in for the first time, you’ll initially see “My Account” displayed here. Clicking My Account expands the menu which offers Sign In, computer Authorization, and management options for your Ampeg.com account.



The My Account menu (not signed in)

Sign In - (An Internet connection is required for sign in and authorization.) This option launches the sign in window where you’ll need to enter your ampeg.com account username and password (or you can choose to create an account if you haven’t already). Creating an account, signing in, and authorizing your computer are necessary for initially authorizing and using the SVT Suite plugin. Please see [“Purchasing the Software License” on page 3](#) for details.

Once signed in, the displayed name changes to your Ampeg.com username, and a blue light indicates when you are actively signed in.



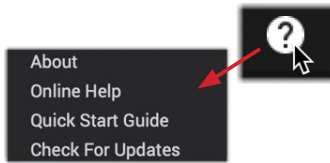
The My Account menu (signed in)

Authorize/Deauthorize Computer - Once signed in, your computer is authorized, which allows SVT Suite to run. While signed in, the Deauthorize Computer option is selectable. Deauthorizing is really only necessary to free up one of your five available authorizations, or if you’re to be removing the SVT Suite plugin. Please see [“Authorizing your Computer” on page 3](#).

Manage Account - Takes you to the Ampeg.com/account web page where you can view and manage your account.

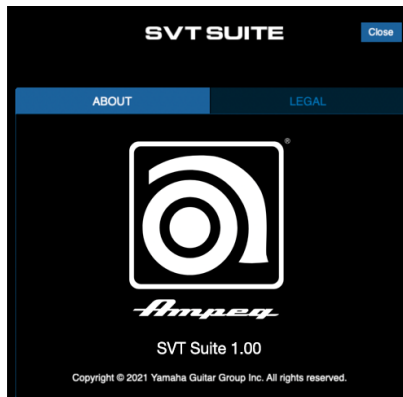
Help

Click on the  Help button to choose the options from the menu.



The Help menu

About - Launches the About box, containing version information (ABOUT tab) and legal information (LEGAL tab) for the SVT Suite plugin.




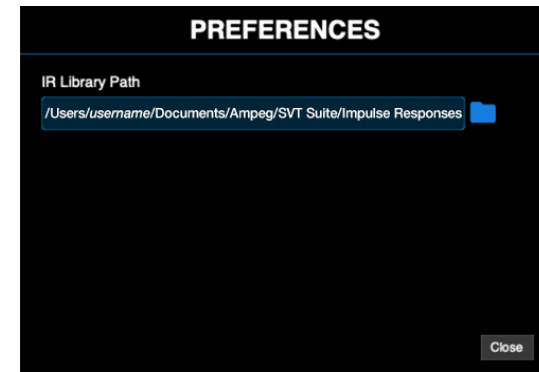
Online Help - Takes you to the SVT Suite Support pages on the Ampeg.com website.

Pilot's Guide - Launches this PDF you are now reading.

Check for Updates - (Internet connection required) Checks the Ampeg website to see if a newer SVT Suite plugin version is available. See [page 5](#).

Preferences

Clicking on the little gear  button on the plugin window's toolbar launches the **Preferences** window.




The Preferences window

IR Library Path - This option defines the path where the plugin will look for IR files when using the Cab view's Impulse panels (see [“Using Impulse Responses” on page 26](#)). By default, this is set to the following location (within your Mac or Windows login's Documents folder):

Documents > Ampeg > SVT Suite > Impulse Responses

You can optionally click within the field and change this to your preferred computer directory. Wherever you have this path set is where you'll want to copy and store your third-party, IR .wav files to allow SVT Suite to find and utilize them.

 **NOTE:** If you have the SVT plugin open when making any changes to the IR Library Path, or its file/folder contents, you'll likely need to click the **Refresh** button within the Cab View - Impulses panel to manually update the IRs list.

Input and Output Controls

Beneath the Toolbar, you'll find the Input and Output meters and the View selector tabs.



Clicking on the Input meter or Output meter at the top of the plugin window opens the respective set of Input or Output controls, as covered in the following sections.

TIP: Alt/Option + click on any knob to return it to its default setting. You can also double-click within any knob's numerical value field to type in a precise value.

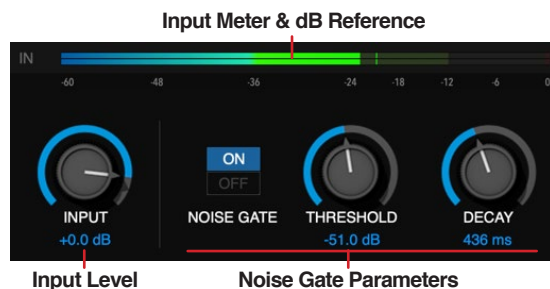
The multi-color Input and Output meters provide real-time reference for the signal levels entering and exiting the plugin. Each meter also includes a red clip indicator to show if the level exceeds the maximum—clipping should be avoided to achieve the best sonic results.

NOTE: All settings within the Input and Output Controls panels are saved per preset.

Clicking on one of the View tabs determines what is displayed within the Editor Panel below: the FX, Amp, or Cab view—see [“View Tabs” on page 16](#).

Input Controls

Click anywhere on the Input meter to open the Input Controls panel, where you'll find a master Input level, as well as a Noise Gate.



Input Meter

The Input Meter is displayed at all times on the toolbar of the plugin, measuring the signal level entering the plugin in real-time. When you click on the Input Meter to access the Input controls, you'll also see a calibrated index appear below the meter, providing a dB level reference.

Note that if you've selected a mono input version of the plugin (if your DAW host offers this option), the Input meter appears as a single bar; the meter has two bars when a stereo input version is in use. (Also, see [“Mono and Stereo Track Plugin Functionality” on page 8](#).)

Input Level

The **Input** knob adjusts the signal level that is fed into the plugin. Note that the default setting is 0.0dB (unity gain) and you can adjust this knob to optimize the level as needed.

Optimizing the Input Level

The level of the input signal entering the SVT Suite plugin can affect the overall gain and saturation of your tones, therefore, it is essential to “gain stage” accordingly. It is important to note that the SVT Suite amp & effects models are designed to receive “Instrument” level input signals, much like plugging a bass directly into the same type of Ampeg effects pedal or amp we modeled them after. To follow are several tips for achieving the optimal signal level.

- For the most accurate results when direct recording electric bass guitar, we recommend that you use an audio interface with a “Hi-Z” or “Instrument” input.
- Bass guitars with active pickups may have a hotter output than traditional passive pickups. If your instrument utilizes active or especially high output pickups, set your audio interface or preamp's input “pad” to on, if available.
- Note that the SVT-CL and SVT-4PRO amp models offer both normal and padded (-15dB) inputs—you can utilize the padded amp input for hotter input signals.
- Open the Input Controls panel to reference the dB level measurement of your input signal level (or the playback level of any clips within your track).
- For best results, keep your input level, between -36 dB to -12 dB. We've made this easy by marking this “safe zone” level range directly on the Input meter.



If your audio interface offers input level adjustment, it is typically best to adjust it there to keep the recording level entering the plugin within this optimal range. If needed, you can adjust the panel's **Input** knob to fine-tune the level.

- Clipping, as indicated when the meter's red clip Indicator lights up, should **always be avoided** on the plugin's input and output meters.
- Once you've optimized your input level, you can use the various FX, Amp, and Cab/IR Gain, Volume, and Level controls, as well as the [“Output Controls”](#) panel to adjust the output volume of the plugin.

Noise Gate

The **Noise Gate** circuit is applied on the input signal, before the effects or amp model processing. You can enable the Noise Gate to minimize unwanted, low level noise or hum that may be coming from your instrument. Typically you'll want to avoid too low a Threshold and too short a Decay to avoid the gate engaging and releasing too quickly, resulting in abruptly cutting your input on and off—unless that's the effect you're going for!

On/Off - Enables or bypasses the Noise Gate circuit.

Threshold - Determines the input level where the gate engages, silencing your incoming signal.

Decay - Determines the duration of time for the gate to release.

Output Controls

Clicking the output meter displays the Output Controls panel, which offers independent controls and metering for the plugin's processed and SVT-DI output signals.



The Output Controls

Output Meters

The main Output Meter is displayed at all times on the toolbar of the plugin, measuring the plugin's overall output level in real-time. When you click on the Output Meter to access the Output controls panel, you'll see a calibrated index appear below the meter, providing a dB level reference. This meter measures the combined (SVT-DI and processed signals') output level of the plugin so you can see the effect of adjusting the individual output controls. Clipping, as indicated when any of the meters' red clip Indicator light up, should **always be avoided**.

The SVT DI and Output knobs also include vertical level meters to allow you to gauge the individual output levels of each the SVT DI circuit and the processed (FX + Amp + Cab/IR) signals.

The best practice is to “gain-stage” your levels throughout the plugin evenly. The various FX, Amp, and Cab/IR Gain, Volume, and Level controls will all affect the output level of the plugin. Typically you don't want to excessively drive any one of these tabs' levels, only then requiring you to turn the level way down in a later tab or in the Output controls panel to prevent constant clipping. But just as with Ampeg gear, feel free to bend the rules to achieve the desired tone!

Output Level

The **Output** knob adjusts the level of the processed (FX + Amp + Cab/IR) signal leaving the plugin. This knob should be used to avoid clipping and to optimize the plugin's overall output level as needed.

SVT-DI Controls

The **SVT-DI** circuit is a parallel signal, tapped from just after the plugin's Input Controls and **unprocessed** by the FX > Amp > Cab/IR signal path of the plugin, allowing you to blend a “direct” signal into your tone. This circuit emulates the classic Ampeg SVT amps' tube-driven DI circuit.

Bypass Button - Click the button to enable or disable the SVT-DI circuit.

Saturation - Drives the SVT-DI circuit harder as you turn this knob up, adding a bit of classic Ampeg tube grit to the SVT-DI signal.

SVT-DI Out Level - Adjusts the output level of the SVT-DI circuit.

Level Meter - The vertical meter to the right of the SVT-DI knob measures the output level of the SVT-DI circuit in real-time.

View Tabs

These three View tabs determine the content displayed within the Editor Panel of the SVT Suite window.



The FX/Amp/Cab View tabs

Each tab includes a bypass button, which enables/disables all processing for the entire view in one click, as covered in each of the following chapters.

FX Tab - Displays the FX view, where all available stompbox effects can be enabled, tweaked, and reordered as desired. See [“FX View” on page 17](#).

Amp Tab - Displays the Amp view, where you can choose from the list of Ampeg SVT amplifier models and adjust front panel, as well as advanced power amp parameters. See [“Amp View” on page 19](#).

Cab Tab - Displays the Cab view where you can select from the list of classic Ampeg speakers cabinets and mic models, or optionally choose the IR option to load your 3rd-party Impulse Responses. See [“Cab View” on page 24](#).



TIP: Alt/Option + click on any View tab to toggle its bypass.

FX View

Choose the View selector's FX tab to display the FX View within the Editor Panel. The FX View includes five classic bass stompbox effects.



The FX View

FX View Bypass

A Bypass button is available for each individual view (or, Alt/Option + click on any View tab to toggle its bypass). When the FX View is selected, click the tab's Bypass button (FX tab and the entire edit panel grays out) and your signal is passed through to the Amp and Cab views, unprocessed by any FX view models. When the tab's Bypass button is deactivated, all individual FX models return to their previous on/off state.



The FX View tab - bypassed

Reorder Effects

Your input signal is fed through the effects in the order you see them within the panel from left to right (and then fed to the plugin's Amp view). You can customize the order of the effects—just click on and drag any stompbox left or right to change its position. You'll find that changing the order of some effects will alter how they interact and sound. For example, the modulation of the Phasifier and Liquifier Chorus can have a very different texture when placed before the Scrambler Overdrive as compared to after it. Or, the Output Level of the Opto Comp can affect the amount of distortion when placed before the Scrambler. Feel free to experiment!



Dragging the Scrambler to reorder its signal flow position

Effects Models and Parameters

Just like the original stompbox effects, these models are dead simple to use, and offer a wide variety of sounds and textures. To follow are descriptions of all parameters.

Each effect offers the following controls.

Bypass Button - Click on the “footswitch” to toggle any effect on/off.

Bypassed/Enabled Indicator - The LED above the footswitch is illuminated whenever the effect is enabled. (Note that when the FX View tab is bypassed, all FX pedals are bypassed.)

Parameter Knobs - Click and drag any knob to adjust its settings for the effect. You can reference the parameter's value below each knob while hovering over or adjusting it.* See the following section for descriptions of each effect's parameters.

***TIP:** Option/Alt + click on any knob to return it to its default value, or double-click directly on the numerical value below any knob to type in a precise value.

ROCKTAVER

Adds a pitch-shifted version of your input note, one octave lower, which can be blended with your input signal.

ROCKTAVER - Octave Shifter	
Parameter	Description
Tone	Adjusts the tone of the octave effect.
Normal	Adjusts the amount of your non-effected input signal that is blended with the octave effect. Turn this all the way down if you want to hear just the octave effect.
Octave	Adjusts the amount of the wet octave effect signal.
Output Level	Adjusts the overall output level.

OPTO COMP

Based on the original Ampeg pedal's analog optical circuit to deliver smooth, vintage style compression to add headroom and sustain. Dial in a fast, subtle style to control peaks, or crank up the compression to add a unique character.

OPTO COMP - Analog Optical Compressor	
Parameter	Description
Compression	Adjusts the amount of compression applied to the input signal, from a ratio of 1:1 (value of 0.0) to 10:1 (value of 10.0).
Release	Determines how long it takes for the compressor to end gain reduction, from 75 milliseconds to 600 milliseconds.
Blend	Adjusts the overall balance of the unprocessed (dry) vs. processed (wet) tone.
Output Level	Adjusts the overall output level,

SCRAMBLER

Infuses your sound with authentic Ampeg grit, grind, and sag. Dial in a huge range of overdrive from subtle to screaming.

SCRAMBLER - Bass Overdrive	
Parameter	Description
Drive	Adjusts the amount of overdrive or grit.
Blend	Adjusts the overall balance of the unprocessed (Dry) vs. processed (Wet) tone.
Treble	Adjusts the high frequency output.
Volume	Adjusts the overall output level.

LIQUIFIER

Delivers incredibly rich tones thanks to its dual chorus circuit design. Experience classic, dreamy chorusing, or turn it all the way up to transport your tone to a new dimension.

LIQUIFIER - Analog Chorus	
Parameter	Description
Rate	Adjusts the speed of the chorus' low-frequency oscillator (LFO) from slow to fast.
Depth	Adjusts the amplitude of the modulation, from mild to deep.
Effect Level	Adjusts the overall output level.

PHASIFIER

A classic phase shifter to get those groovy 70's vibes. Includes adjustable depth and rate to dial in a variety of colors.

PHASIFIER - Bass Phase Shifter	
Parameter	Description
Rate	Adjusts the speed of the phaser's low-frequency oscillator (LFO) from slow to fast.
Depth	Adjusts the amplitude of the modulation, from mild to deep.
Effect Level	Adjusts the overall output level.

Amp View

Choose the Amp View tab to go to the Amp View within the Editor Panel. The Amp View displays the currently selected Ampeg SVT amplifier model and its preamp & power amp parameters.

Amp View Bypass

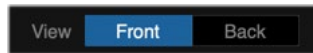
A Bypass button is available for each individual view (or, Alt/Option + click on any View tab to toggle its bypass). When the Amp View is selected, click the tab's bypass button to activate it (the tab and the entire edit panel grays out) and your signal is passed through to the Cab view, unprocessed by the SVT amp model (and with any active FX models' processing still applied).



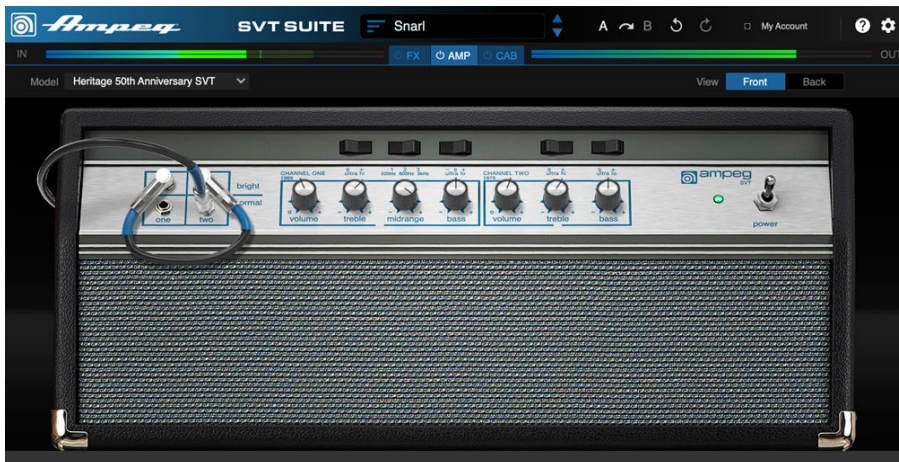
The Amp View tab - bypassed

Front/Back View Selector

Use the Front/Back Amp Selector to toggle the view displayed between the Amp's front panel (as described below) and back, power amp configuration (see [page 23](#)).*



The Front/Back Amp View selector



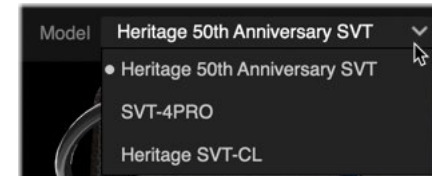
The Amp - Front View panel



The Amp - Back View panel

***NOTE:** The SVT-4PRO amp model is based on a hybrid, tube preamp/solid-state power amp architecture and does not include Back view power amp parameters. Therefore, the Front/Back buttons are non-selectable when the SVT-4PRO amp is in use.

Amp Model Menu



The Amp Model menu

The Model menu at the top left of the amp panel offers access to the available Ampeg SVT amp models—just choose your model and its image and parameters are displayed.

Amp Models

To follow are the classic Ampeg SVT amplifier models included in SVT Suite, selectable from the Amp Model menu.

Heritage™ 50th Anniversary SVT



Released in 2019, this amplifier commemorates the 50th anniversary of the legendary Ampeg SVT amplifier. This two-channel, all-tube, 300-watt beast includes a faithful recreation of the original 1969 “Blue Line” SVT (channel 1), and the iconic, 70’s “Black Line” SVT (channel 2). We’ve included both channels in this model, accessible using the following steps.

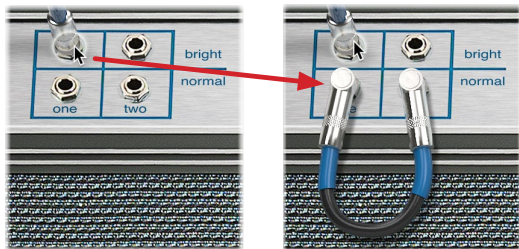
Input Channel Selection and Jumper Options

Since this SVT amplifier offers two independent input channels (bright and normal), we’ve included the ability for you to connect to either, or even add a “jumper” cable to use both channels simultaneously!

Click directly on any unused input jack to move your input “cable” into it.



Click additional times on the current input to cycle through different jumper cable configuration options, or to remove the jumper.



Heritage 50th Anniversary SVT Parameters	
Parameter	Description
Input One NRM	Click on this input to use the tonestack and preamp for the 1969 Channel One - Normal circuit.
Input One BRT	Click on this input to use the tonestack and preamp for the 1969 Channel One - Bright circuit.
Input Two NRM	Click on this input to use the tonestack and preamp for the 1975 Channel Two - Normal circuit.
Input Two BRT	Click on this input to use the tonestack and preamp for the 1975 Channel Two - Bright circuit.
Power Switch	Click on the switch to toggle the amp model on/off. (Optionally, you can use the Amp View tab’s bypass button.)
Channel One	
Volume	Adjusts the Channel One volume.
Treble	Adjusts the Channel One high frequencies. This provides up to 12 dB of boost, or 12 dB of cut, at 4 kHz. The high frequency output is flat at the center position.
Ultra Hi	Click on the switch or the “+” symbol to engage the Ultra Hi for Channel One. The amount of high frequency boost is dependent on the setting of the Volume control.
Midrange	Adjusts the midrange frequency level of Channel One. This provides up to 20 dB of boost, or 20 dB of cut, at the selected frequency of the 3-way rocker switch. The midrange frequency output is flat at the center position.
Midrange Frequency	Selects the frequency that is affected by the Midrange control. The available frequencies are 220 Hz (left side), 800 Hz (center position), or 3 kHz (right).
Bass	Adjusts the Channel One low frequencies. This provides up to 12 dB of boost, or 12 dB of cut, at 40 Hz. The low frequency output is flat at the center position.
Ultra Lo	Click the left side of the switch to decrease the low frequency output of Channel One. Clicking the right side of this switch enhances the low frequency output of Channel One. The switch is inactive in the center position.

Heritage 50th Anniversary SVT Parameters	
Parameter	Description
Channel Two	
Volume	Adjusts the Channel Two volume.
Treble	Adjusts the Channel Two high frequencies. This provides up to 12 dB of boost, or 12 dB of cut, at 4 kHz. The high frequency output is flat at the center position.
Ultra Hi	Clicking the right side of this switch engages the Ultra Hi option for Channel Two. The amount of high frequency boost is dependent on the setting of the Volume control.
Bass	Adjusts the Channel Two low frequencies. This provides up to 12 dB of boost, or 12 dB of cut, at 40 Hz. The low frequency output is flat at the center position.
Ultra Lo	Clicking the right side of this switch enhances the low frequency output of Channel Two. The switch is inactive in the left position

SVT-4PRO



The Ampeg SVT-4PRO is a single-channel, hybrid tube preamp/solid-state power amp amplifier with expanded EQ capability and other contemporary features, designed for today's modern bass players.

SVT-4PRO Parameters	
Parameter	Description
-15dB pad	Pressing this switch in reduces the input signal by 15 dB to compensate for higher output sources (such as if your bass has high output pickups).
Gain	Adjusts the amount of signal driving the preamp.
Compression	Adjusts the amount of signal compression. At the fully counter-clockwise position there is no compression; at the fully clockwise position the compression ratio is 10:1.
Ultra Hi	Clicking this switch engages the Ultra Hi option, which enhances the amount of high frequency output by 6 dB at 5 kHz.

SVT-4PRO Parameters	
Parameter	Description
Ultra Lo	Clicking this switch engages the Ultra Lo option, which enhances the amount of low end output by 2 dB at 40 Hz, and -10 dB cut at 500 Hz.
Bass	Adjusts the low frequency level of the amplifier, providing up to 12 dB of boost, or 12 dB of cut, at 50 Hz. The low frequency output is flat at the center position.
Midrange	Adjusts the midrange frequency level of the amplifier, providing up to 15 dB of boost, or 15 dB of cut, at the center frequency selected by the Frequency control. The midrange frequency output is flat at the center position.
Midrange Frequency Select	Selects the center frequency for the Midrange control, giving you a choice of five frequencies for the midrange. The numbers correspond to the following center frequencies: 1=220 Hz, 2=450 Hz, 3=800 Hz, 4=1.6 kHz, and 5=3 kHz.
Treble	Adjusts the high frequency level of the amplifier, providing up to 14 dB of boost, or 19 dB of cut, at 5 kHz. The high frequency output is flat at the center position.
Bright	Clicking this switch engages a high frequency boost, which provides a 6 dB boost at 2 kHz.
Graphic EQ Switch	Clicking this switch engages the 9-Band Graphic EQ.
Master	Adjusts the overall output level of the amplifier.
9-Band Graphic EQ	These sliders adjust the output frequencies indicated above each control. The center position of each control is flat (no boost or cut).
Amp Power LED	Illuminates when the amp's Power Switch is toggled to on.
EQ Active LED	Illuminates when the Graphic EQ is engaged.
Level	Adjusts the output volume control for the Graphic EQ and only affects the signal when the EQ is engaged. Click-drag the slider up or down to adjust the Graphic EQ output volume.
Power Switch	Click this switch to toggle the amp model on/off.

Heritage SVT-CL



The Ampeg Heritage™ line focuses on the premium—based on vintage designs, and created with the most premium components. The Heritage SVT-CL is an all-tube, single-channel, 300-watt instrument amplifier, with classic Ampeg EQ which offers a great amount of flexibility and control.

Input Selection

You can choose to “plug” into either the 1/4" input at the left of the amp. Just click directly on the unused 0 dB (normal) jack or the -15 dB (padded) jack and you'll see the cable move to the new input in response.



- **0 dB Input:** Use for passive instruments.
- **-15 dB Input:** Use for active instruments, instruments with hotter pickups, or with hotter synths.

Heritage SVT-CL Parameters	
Parameter	Description
Gain	Adjusts the level of the preamp signal.
Ultra Hi	Click the right side of this switch to engage a high frequency boost, which enhances the amount of high frequency output by 9 dB at 8 kHz.
Ultra Lo	Click the right side of this switch to engage a low frequency boost and mid scoop, which enhances the amount of low end output by 2 dB at 40 Hz, and a 10 dB cut at 500 Hz.
Bass	Adjust the low frequency level of the amplifier, providing up to 12 dB of boost, or 12 dB of cut, at 40 Hz. The low frequency output is flat at the center position.
Midrange	Adjusts the midrange frequency level of the amplifier, providing up to 10 dB of boost, or 20 dB of cut, at the selected frequency. The midrange frequency output is flat at the center position.

Heritage SVT-CL Parameters	
Parameter	Description
Midrange Frequency	Selects the center frequency for the Midrange control, giving you a choice of five frequencies for the midrange: 1=220 Hz, 2=450 Hz, 3=800 Hz, 4=1.6 kHz, and 5=3 kHz.
Treble	Adjusts the high frequency level of the amplifier, providing up to 15 dB of boost, or 20 dB of cut, at 4 kHz. The high frequency output is flat at the center position.
Master	Adjusts the overall output level of the amplifier.
Power Switch	Toggles the amp model on/off.

Working in the Amp View

Tweaking your amp settings is all pretty straight-forward, since we've utilized images of the actual Ampeg amplifiers and their specific controls within the plugin! To follow are a few tips for accessing the front and back amp parameters.

Parameter Values

As you hover your mouse cursor over the different knobs & switches within the plugin window, you'll see the parameter's values displayed floating above.

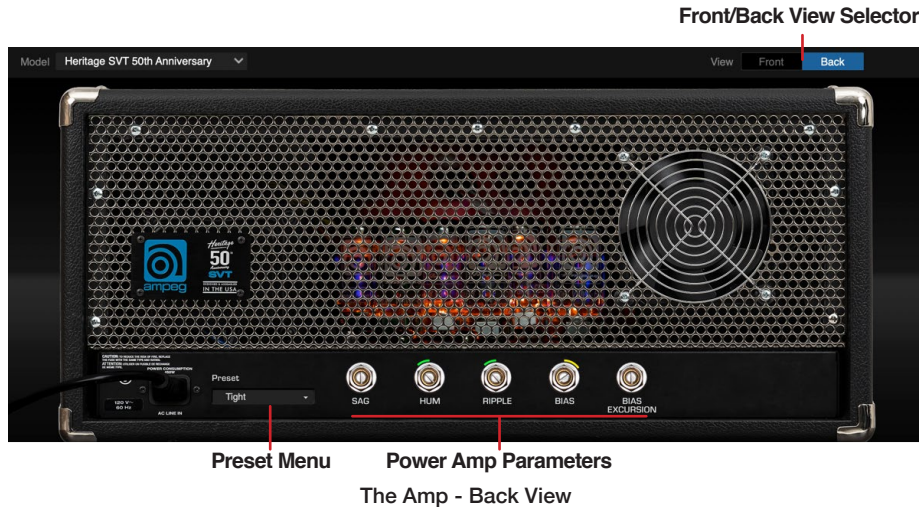


TIPS: You can double-click within the floating value box and edit the parameter by typing in a precise value.

Option/Alt + click directly on any knob or switch control to reset the parameter to its initial default value.

Back, Power Amp Configuration View

The Back View is available whenever the 50th Anniversary SVT or SVT-CL amp is in use. When the **Back** button is selected, you'll see the rear image of the amp displayed, with access to several parameters for even deeper tweaking of the power amp features of the amp. Note that these parameters can be interactive with the Front View amp settings, and can affect the "feel" of the amp as well as its finer tone nuances.



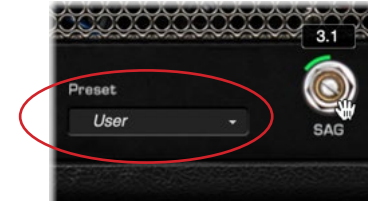
The Preset menu allows you to select from among a set of descriptively-named power amp configuration presets. Each consists of the settings for the five "trim-pot" controls, and is offered as a starting point. Once you've dialed in your amp sound using the Front View amp controls, click the Back button and use these Back view options as follows.

1. Initially, the Standard preset is selected, which has all power amp parameters set to 5.0.
2. Click in the preset field and choose a preset from the list.



3. Optionally adjust the five trim-pots to fine tune each as desired—see the following table for a description of each control.

Note that once you've edited any one of the trim-pots, the preset name changes to **"User,"** to indicate that the settings have been user-customized from the power configuration preset.



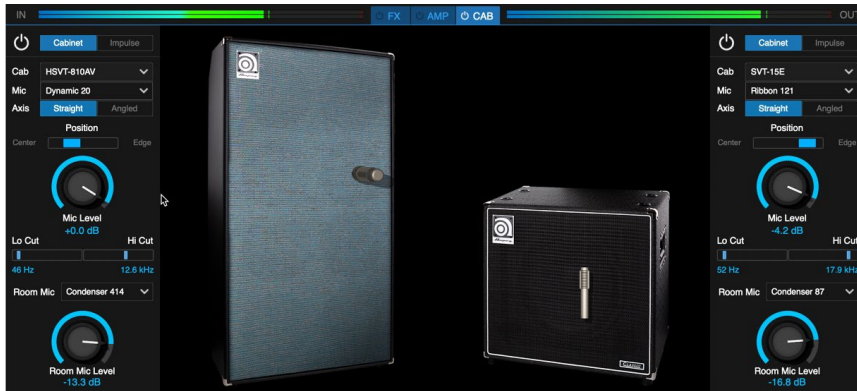
4. Once you have your power amp configuration parameters set to your liking, be sure to save your tone preset from the main Preset Browser at the top of the plugin window, and your power amp settings are saved and recalled as part of the current tone preset.

Power Amp Configuration Parameters	
Parameter	Description
Sag	Lower Sag values offer a "tighter" responsiveness; higher values provide more touch dynamics & sustain.
Hum	Adjusts how much AC hum interacts with the tone.
Ripple	Adjusts how much AC ripple interacts with the tone.
Bias	Adjusts the Bias of the power tubes. Lower values achieve a "colder," Class AB biasing. At maximum, the amp is operating in Class A.
Bias Excursion	Determines how the power amp tubes' voicing reacts when pushed hard. Set low for a tighter feel. Set high for more tube compression.

NOTE: The Amp - Back View power amp parameters are not available for automation or MIDI Learn.

Cab View

Choose the Cab tab from the View Selector to display it within the Editor Panel. The Cab View offers a dual panel where you can display and configure up to two factory speaker cabinet models, each with their own close and distant mics, or Impulse Responses (IRs), and blend them in parallel.



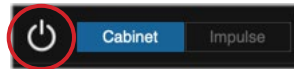
The Cab View

For each panel, click on the Cabinet/Impulse selector to choose between a factory cab or IR. See the following sections for descriptions of each.

TIP: Option/Alt + click directly on any cab parameter to reset it its initial default value.

Bypass Behaviors

Each of the two Cab/Impulse panels includes its own Bypass button, allowing you to use just one factory speaker cabinet or IR for your tone. Whenever you bypass one Cab/Impulse panel, the bypassed panel is also muted, allowing you to hear only the active Cab/Impulse.



The individual Cab/Impulse bypass button

If you wish to bypass both Cab/Impulse panels, but still want to have the plugin's FX and Amp processed signal pass through (such as if you prefer to route the SVT Suite's output to another, later IR or Cab simulation plugin in your DAW host) then you can use the Cab/IR tab's bypass button. Click the Cab tab's bypass button (the tab and entire edit panel grays out) and no speaker cab, mic, and IR processing is applied, allowing the SVT Suite's FX and Amp processed signal to pass. Optionally, you can use Alt/Option + click on any View tab to toggle its bypass.



The Cab View tab's Bypass option - bypassed state

TIP: You can optionally blend in a tube-flavored, direct SVT-DI signal in parallel with your Cab output—see [“SVT-DI Controls” on page 16](#).

Speaker Cabinet Options

Choose the Cabinet button on the Cabinet/Impulse selector at the top of either the left or right panel to utilize one of the included Ampeg speaker cabinet models. (See the preceding section regarding the panel's Bypass button behaviors.)



The Cabinet/Impulse selector


When Cabinet is selected, the set of Cab parameters are displayed, where you can choose from the list of Ampeg factory speaker cabs, cab and room mics, as well as level and EQ settings.



The Cabinet display

Speaker Cabinet Parameters	
Parameter	Description
Bypass	Toggle the Cab/IR as active or bypassed.
Cabinet/Impulse	Click on Cabinet and the options to choose and configure a factory speaker cabinet are displayed. Click on Impulse to display the menu of IR files—see the following Using Impulse Responses section.
Cab	Select the desired speaker cabinet model from the menu—see the following Speaker Cabinet Model List.
Mic	Select the desired microphone model from the menu—see the following Mic Model List. (This is a close positioned mic on the speaker cab.)

Speaker Cabinet Parameters	
Parameter	Description
Axis	Choose the angle of the mic in relation to the speaker between Straight (on-axis) vs. Angled (off-axis).
Position	Drag the slider to determine the mic placement—from the center to edge of the speaker. Note that you can alternatively drag the mic itself within the cab/mic display.
Mic Level	Adjust the volume level of the Mic.
Lo Cut / Hi Cut	Adjust the respective slider to adjust the Low Cut or High Cut cutoff frequencies. (These cutoffs are applied to both the Cab and Room Mic signals.)
Room Mic	Select the desired microphone model from the menu. (This is a distant-positioned mic, to optionally blend in some room tone.)
Room Level	Adjust the level of the Room Mic. (When set to -120.0 dB, no room tone is added to the cab signal.)

 **TIP:** Note that the Cab Mic and Room Mic each includes its own level knob, allowing you to blend the two signals to taste for each Cab/Impulse panel.

Speaker Cab Models

To follow are the Cab models included within SVT Suite, selectable from the Cab menu. These models were created by capturing our own custom Impulse Responses of actual classic Ampeg cabs.

Speaker Cabinet Models	
Model	Based On
HSVT-810AV	Ampeg Heritage SVT Anniversary 8x10
SVT-610HLF	Ampeg SVT 6x10 (with high frequency driver active on Room Mic only)
HSVT-410HLF	Ampeg Heritage SVT 4x10 (with high frequency driver active on Room Mic only)
SVT-15E	Ampeg SVT 1x15
SVT-210AV	Ampeg SVT Anniversary 2x10
SVT-212AV	Ampeg SVT Anniversary 2x12
SVT-112AV	Ampeg SVT Anniversary 1x12
SVT-8x10 Squareback	Ampeg vintage 1960s “Squareback” 8x10

Mic Models

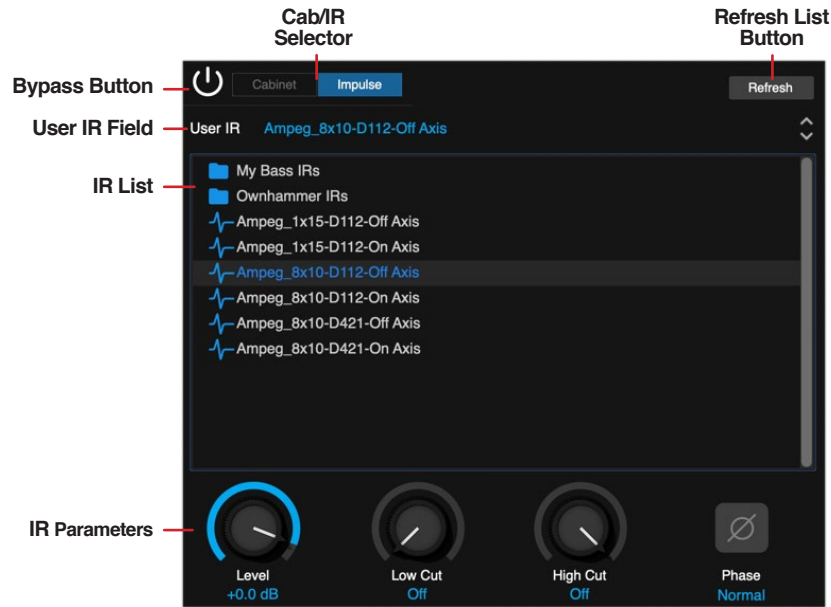
To follow are the Microphone models included within SVT Suite, selectable from within the Mic (close cab mic position) and Room Mic (distant room position) menus.

Mic Models	
Model	Based On*
Cabinet Mics	
Condenser 47	Neumann® U47
Dynamic 421	Sennheiser® MD421
Dynamic 112	AKG® D112
Ribbon 4038	Coles 4038
Ribbon 20	Electro-Voice® RE20
Ribbon 21	Royer® R121
Room Mics	
Condenser 87	Neumann U87
Condenser 414	AKG 414 Omni
Condenser M30	Earthworks® M30BX

*All product names used in this document are trademarks of their respective owners and neither Yamaha Guitar Group nor Ampeg are associated or affiliated with them. These trademarks appear solely to identify products whose tones and sounds were studied by Ampeg during sound model development. Neumann is a registered trademark of Georg Neumann GmbH. Sennheiser is a registered trademark of Sennheiser Electronic GmbH & Co. KG. AKG, is a registered trademark of Harman International Industries, Inc. Electro-Voice is a registered trademark of Bosch Security Systems, Inc. Royer is a registered trademark of Bulldog Audio, Inc. DBA Rover Labs. Earthworks is a registered trademark of Earthworks, Inc.

Using Impulse Responses

Click the Impulse button for either panel to utilize an IR instead of an Ampeg Cab model. You'll need to add one or more third-party IR (.wav) files to your IR Library folder before they will be accessible within the SVT Suite Impulse panel, as covered in the following sections.



The Impulse Panel

What are IRs?

Third-party Impulse Responses (or “IRs”) that can be used in SVT Suite are audio files that are the result of capturing the sound of a test tone (frequency sweep) through a speaker cabinet, which has been de-convolved with the original tone signal. This represents the frequency response of the cabinet itself and can be used to simulate the way it alters the sound. This is similar to a convolution reverb, but with a much shorter decay.

You can choose an IR as an alternative to using an Ampeg Cab to provide speaker cabinet simulation for the current amp model. Several companies now offer large selections of professionally recorded IRs that can be used in SVT Suite, or you can even do some research on how to record and create your own.

Adding IRs to your IR Library Folder

The IR library for SVT Suite is initially empty, awaiting you to manually add IR .wav files into the designated IR library folder for use with the plugin—see “[Preferences](#)” on [page 14](#). Once you've obtained some third-party IR .wav files, drag them into your designated IR folder.

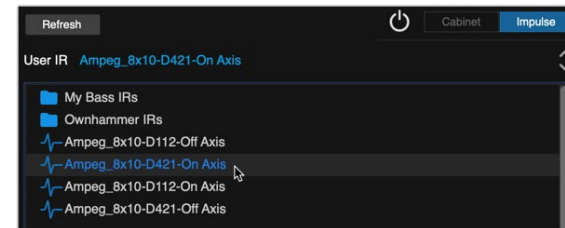
On the next use of either of the plugin's Cab/IR View - Impulses list, you should see your newly added IR .wav files all appear within the IR List. If you don't see them appear in the IR list right away, click the Refresh button above the IR List to manually refresh it.

Supported IR Formats

SVT Suite supports the use of WAV (.wav) file IRs (sold separately by various vendors). Most IR producers and vendors typically offer IRs within the .wav format. It is possible to import a mono or stereo .wav file IR, regardless of its bit depth, length, or sample rate frequency. Once imported into SVT Suite, files are automatically conformed to the SVT Suite-compatible IR properties (48kHz, 16-bit, Mono, and 2048 samples). Please be careful to import only .wav files that were created specifically for use as IRs, not just any audio .wav file, or you may experience unexpected sonic results.

To Load an IR

Once you've added IR .wav files into your designated IR folder (as covered in the preceding section), enter the Cab View in SVT Suite. You can use an IR in either (or both) of the Cab/Impulses panels within the Cab view. Click on **Impulse** within the Cabinet/Impulse selector and you'll see your IR files listed.*



Loading an IR

Click on any IR within the list and you'll see its name appear within the User IR field, indicating it is the currently-loaded IR file. You can also use the Next/Previous arrow buttons at the right of the field to step through the IRs within your library folder.

***TIP:** Note that you can manually create and add your own sub-folders within your IR Library folder to help you organize your IR files. Sub-folders then appear within the plugin's IR list, as shown in the above image—click once on a sub-folder within the IR list to access the files within it.

If you make changes to the contents of your IR Library folder while the SVT Suite plugin is in use, you may need to click the **Refresh** button within the panel to update the IR files list.

IR Parameters

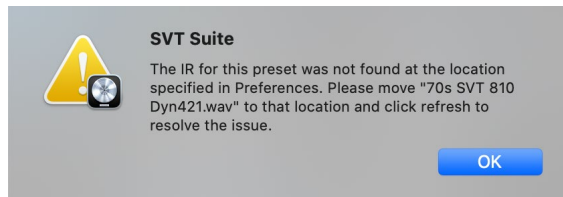
Once an IR is loaded, use the IR parameters to adjust the level, EQ, and Phase as desired.



IR Parameters	
Parameter	Description
Level	Adjust the volume level of the IR.
Low Cut	Adjust the bass frequency cutoff for the IR.
High Cut	Adjusts the treble frequency cutoff for the IR.
Phase	Switches the phase polarity of the IR between Normal and Inverted. Invert the phase in case you need to remedy a phasing issue with the opposite panel's Cab or IR.

IR File Reference

Once you've saved a User preset that utilizes an IR within the SVT Suite Cab/IR view, a reference is created to the specific IR .wav file. If you happen to remove the specified IR .wav file from your IR Library folder, when next loading the preset, it will alert you that the IR .wav file is missing. (And if your saved preset includes two IR .wav files that are missing, the alert will list both the missing .wav file names.)



Missing IR alert

You'll continue to see this alert pop-up on every load of this preset until you do one of the following to resolve the issue:

- Add the missing IR .wav file back into your specified IR Library folder, and click the Refresh button within the Impulses panel (you may need to load the preset again).
- Choose a different IR from the Impulses panel and save the preset.
- Change to a Cab model and save the preset.

Plugin Parameter Automation

SVT Suite supports your host DAW application's features to read, write, and edit parameter automation, where the DAW can control the plugin's parameter values over time using editable track envelopes.

Most DAW applications additionally allow you to record parameter automation in real-time, where you enter an automation "write" mode and changes to the selected plugin parameters are instantly recorded and displayed on the track as adjustable envelopes. This allows all these plugin parameter changes to be played back (using the host's track "read" mode option) and incorporated into your project's mix-down.

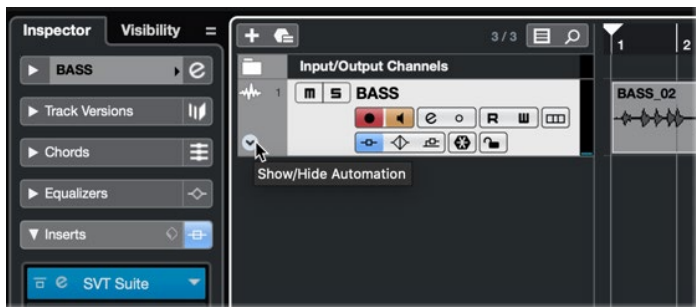
Host DAW applications typically allow you to access the list of automatable parameters for a plugin by way of an automation parameter menu, specific to the audio or aux track where you have inserted the plugin. SVT Suite follows this standard, and you'll find all its automatable parameters accessible in the host application's parameter automation menus and windows.

NOTE: The Amp - Back View power amp parameters are not available for automation.

Automating a Parameter

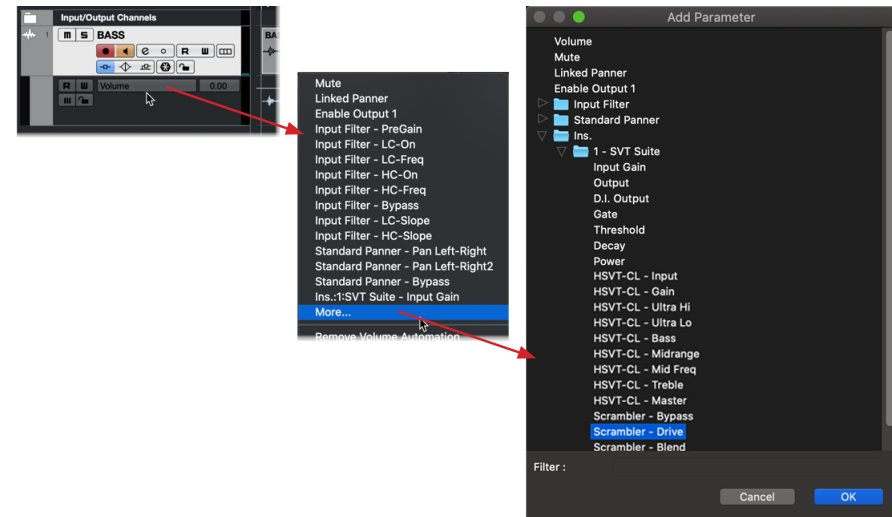
Once you've inserted an instance of the SVT Suite plugin on any track within your host DAW application, all SVT Suite parameters appear within the track's automation menu or window. Note that how you choose and configure plugin parameters for automation can differ quite a bit among host DAW applications, so we've provided a few examples to follow. Be sure to consult your host software's documentation for its specific instructions and parameter automation capabilities.

1. Start by recording or importing an audio clip into your host DAW app's audio track, and add an instance of SVT Suite on the track.
2. This next step of selecting the specific SVT Suite automation parameter differs among DAW hosts, so we've described the process in several popular apps.
 - a. **In Cubase:** Hover your mouse cursor over the bottom left area of the track header so that you see the **Show/Hide Automation** down arrow button appear, as shown below. Click this button to show an automation lane.



Cubase - The track's Show/Hide Automation button

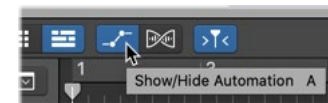
In the automation lane that appears, click on the parameter assignment field (where it defaults to the track's own Volume parameter), choose **More**, to open the **Add Parameter** window.



Cubase - Choosing the SVT Suite automation parameter for the track

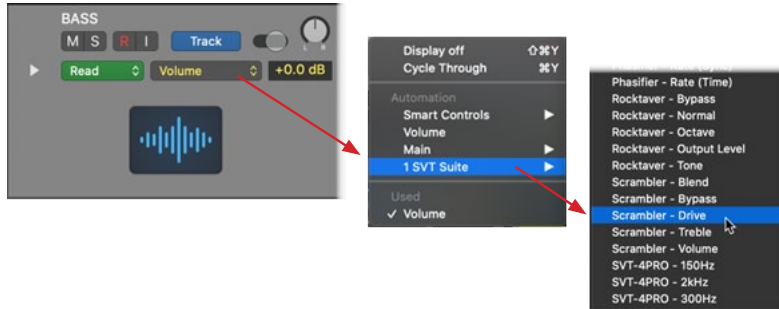
Within the **Add Parameter** window, expand the **Ins.** (Inserts) folder, then the **SVT Suite** folder to see all the plugin's automatable parameters. As you can see, practically every SVT Suite FX, Amp, and Cab/IR parameter is available here for automation. For this example, we'll choose **Scrambler: Drive**, to automate the Scrambler effect pedal's Drive knob. Click **OK**. Note that you can repeat these steps in Cubase to add additional automation tracks and choose a different, additional SVT Suite parameter for each.

- b. **In Logic Pro:** Click and enable the **Show/Hide Automation** button at the top of the Logic Pro main window to show the automation controls within the track view.



Logic Pro - Select the Show/Hide Automation button

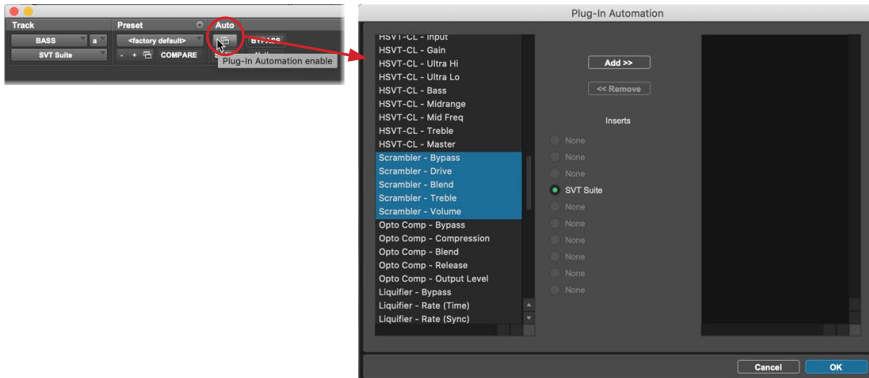
Within the header of your track, click on the Automation Parameter menu and choose and choose 1 SVT Suite > Scrambler: Drive, for this example, to automate the Scrambler effect pedal's Drive knob.



Logic - Choosing an SVT Suite automation parameter for the track

Note that you can click the arrow in the track header to add additional automation tracks and choose a different, additional SVT Suite parameter for each.

- c. In Pro Tools: Within the top header of the SVT Suite plugin window, click the Plug-in Automation Enable button. In the left column of the Plug-in Automation window, choose any of the SVT Suite parameters you want to automate—for this example, select the four “Scrambler” parameters, and click the Add button to enable them for automation.



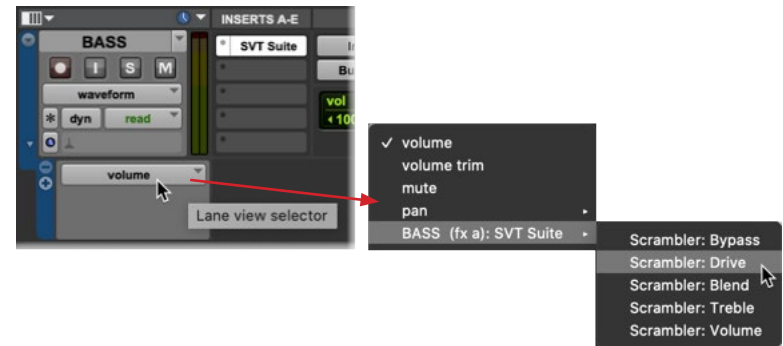
Pro Tools - Add the desired SVT Suite parameters for automation

In the Pro Tools Edit window, click the arrow button at the left of the track header to show an automation lane below the audio waveform track.



Pro Tools - Show automation lane

In the automation lane that appears, click on the Lane view selector (where it defaults to the track's own Volume parameter), choose your track name/effect (in this case, “BASS” is our track's name) and then SVT Suite > Scrambler: Drive, for this example, to automate the Scrambler effect pedal's Drive knob.



Choosing an SVT Suite automation parameter for the lane

Note that you can click the + button in the lane header to add additional automation lanes and choose a different, additional SVT Suite parameter for each.

3. In all DAW apps, you'll now see the selected Scrambler: Drive parameter assigned for the automation lane. Move your mouse cursor within the automation lane and click to create an edit point, then drag the edit point up/down to adjust the Scrambler Drive's level as desired at the time location. Repeat to add more edit points to shape the automation envelope as needed. (Optionally, you can click and drag to “draw” the envelope line, then adjust the edit points.)



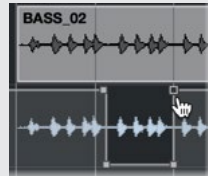
Automation sub-track - editing the automation envelope

4. Open the SVT Suite plugin window, view the Effects screen, and hit play to listen to the track. Watch and listen as the Scrambler's Drive knob “reads” your automation envelope, and readjust your edit points to fine-tune automation as needed.

NOTE: You may need to enable the automation lane's Read option, typically found in the track or automation lane header, otherwise the automation envelope is ignored on playback.

You can repeat the above steps to add additional automation lanes, and automate an additional SVT Suite parameter within each.

NOTE: When selecting a switch type parameter (for example, an SVT Suite amp's Ultra Low, On/Off switch), you'll see that its automation envelope edit points adjust to only two corresponding positions—at maximum for On and minimum for Off, as shown below.



Automation envelope for a switch parameter

Writing Parameter Automation

Most host DAW apps also provide several “Read/Write” modes for parameter automation, which typically appear as a set of options on the track (Off, Read, Write, Latch, Touch, etc.).



The track automation Read & Write mode options in Logic Pro

When set to Read (typically the default), the track will actively “play back” the automation envelope edits on the track, and when set to Off, it will ignore the automation envelope.

When one of the Write options is set as active on the track, you can then play the track and manually adjust any SVT Suite switch or knob within the plugin, and your moves are recorded to the track in real-time. Typically you'll be able to access the parameter's envelope in an automation lane, edited with the adjustments that you have written, and you can manually drag individual edit points to edit the envelope further as desired.

Additional Resources

Looking for more info? We've got plenty of online resources, just a click away.

- Download additional Help documentation covering Ampeg software and other gear from the [Ampeg Product Manuals](#) page
- Check out the [Ampeg Support](#) page for access to Frequently Asked Questions, discussion forums, or to contact Ampeg Technical Support
- Stay up to date with the latest updated version of SVT Suite, available from the [Ampeg Downloads page](#)
- Looking for the latest scoop on Ampeg artist and product news? Head on over to the [RoundSound](#) page

Ampeg®

www.ameg.com
Yamaha Guitar Group, Inc.
26580 Agoura Road, Calabasas, CA 91302-1921 USA



© 2021 Yamaha Guitar Group, Inc. All rights reserved.

Ampeg, the Ampeg A logo, Heritage, SVT, and SVT Suite are trademarks or registered trademarks of Yamaha Guitar Group, Inc. in the U.S. and/or other jurisdictions. Apple, Mac, macOS, and Logic Pro are trademarks of Apple, Inc., registered in the U.S. and other countries. Windows is a registered trademark of Microsoft Corporation in the United States and/or other countries. Cubase and VST are registered trademarks of Steinberg Media Technologies GmbH. Avid and Pro Tools are registered trademarks of Avid Technology, Inc.