

neuromixer

AVmixer Pro 2
User Guide v1.0



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System Requirements:

- Latest Quicktime player installed (important)
- Mac OSX or Windows operating system
- 512 MB of RAM or higher

Optional Requirements:

- Fast CPU and graphics card
- Touchscreen interface
- MIDI controller



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Main Interface Overview

Hint: click on a module for more details.

The screenshot shows the AVmixer Pro 2.0 interface. At the top, there are three tracks for video playback, each with a file name and playback controls. Below these are three preview windows showing different video clips. On the right side, there is a vertical stack of effect modules: Color Effects, Transform Effects, and FreeFrame Effects. At the bottom, there are mixer controls for 'Cross Fader' and 'Additive', and a row of utility icons. Yellow lines connect text labels to specific parts of the interface.

DV/Video Input

Syphon Input

Movie Playback

Output Window

Color Effects

Transform Effects

FreeFrame Effects

Mixer 1 and 2

Master Preview

Fullscreen UI

Enable Syphon output from master mix

Record to Quicktime movie

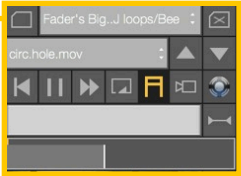
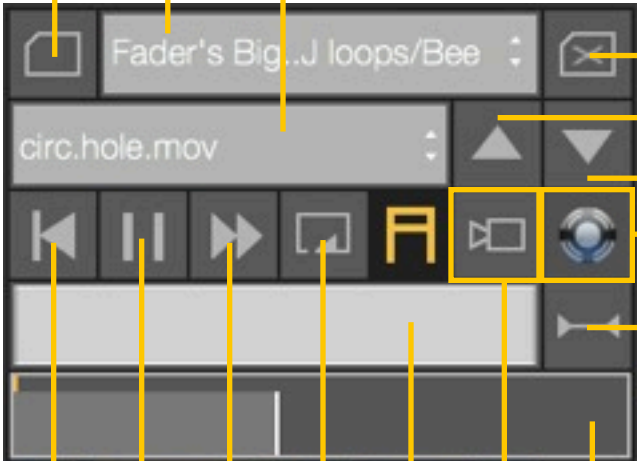
Open MIDI settings

Open presets

Visit our social network



Movie Playback



Load a movie folder, alternatively drag and drop a movie folder here

Loaded folder pull-down menu

Loaded movie pull-down menu

Click on this icon to remove a loaded folder

Play previous movie

Play next movie

Enable Syphon video input, click here for info

Reset loop in/out points

Scrub movie, click to set new rewind point

Enable DV/Camera input, click here for more info

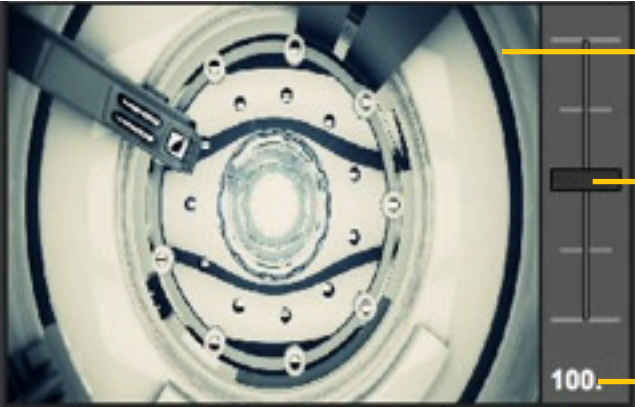
Set loop in/out point

Loop Modes - chose from loop, play-once, and pendulum

Set playback direction to forward or reverse

Play or pause the movie

Rewind to beginning or rewind point

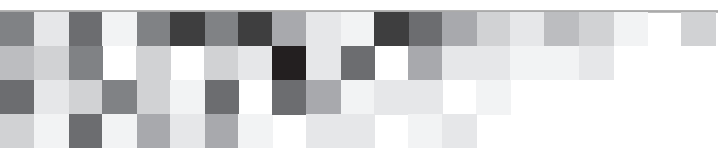
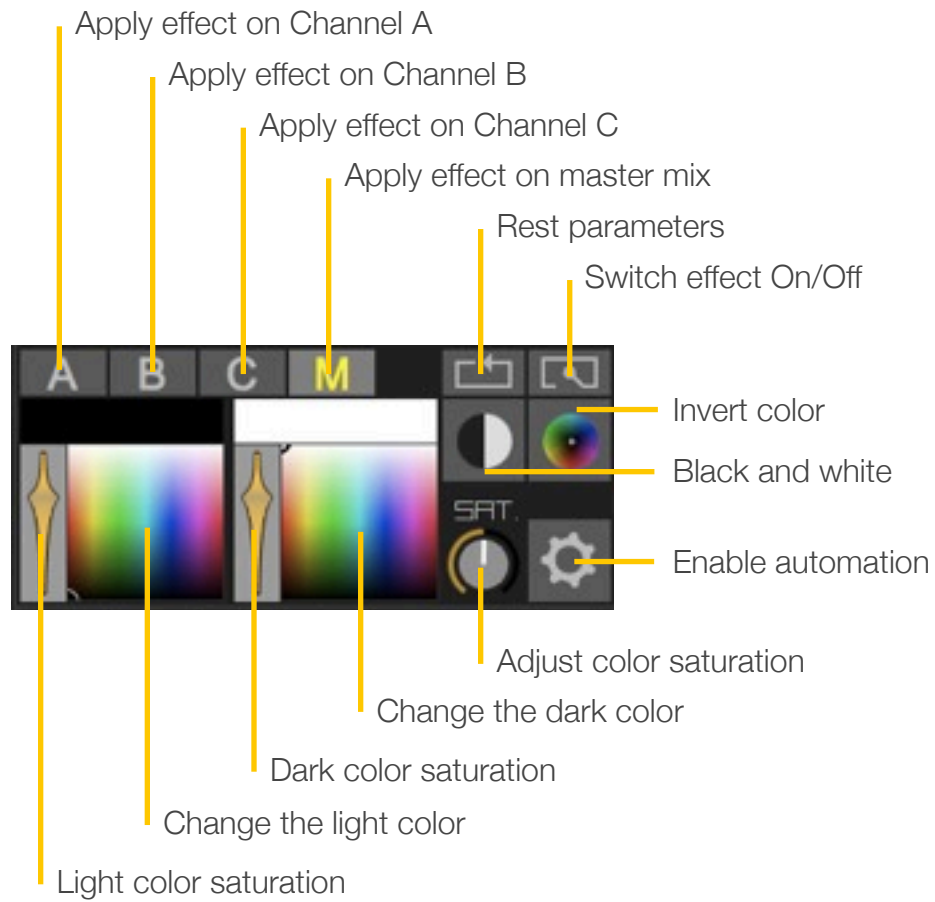


Movie preview window

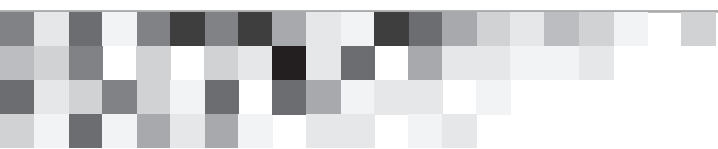
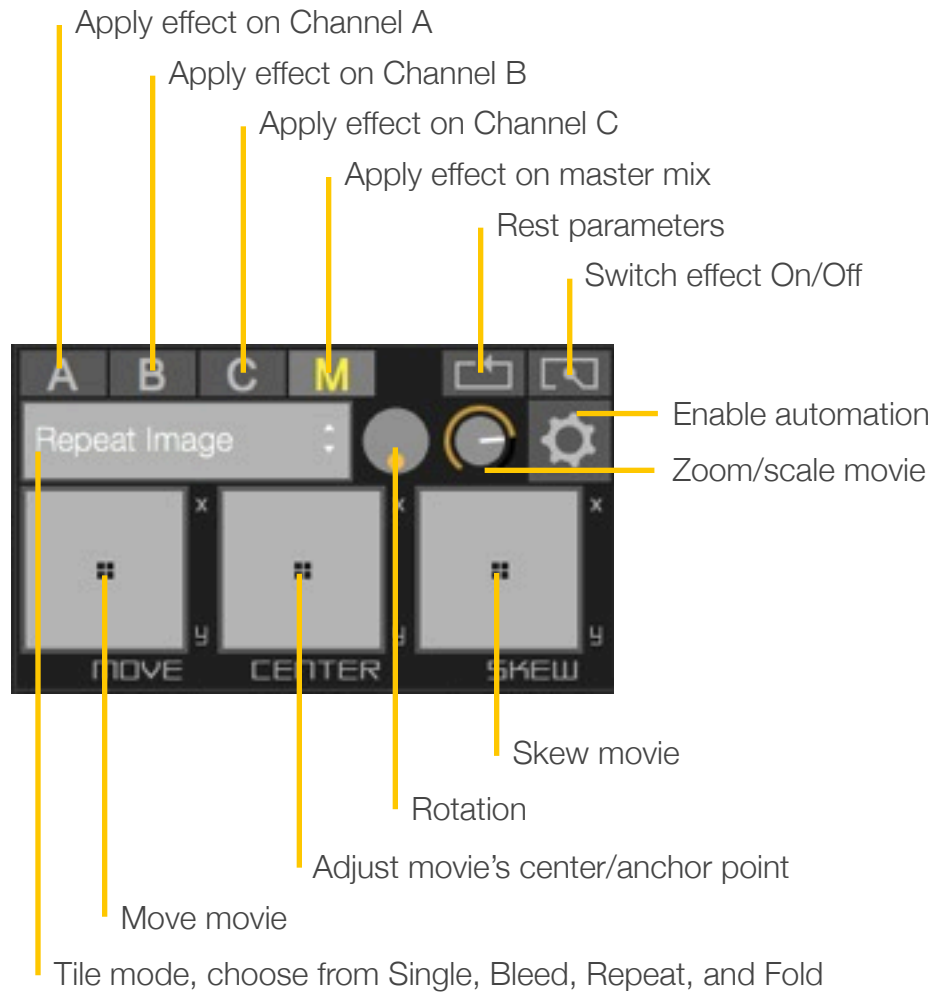
Playback speed slider, you may set the resolution in the Presets window, the default is 0-200%

Playback speed display



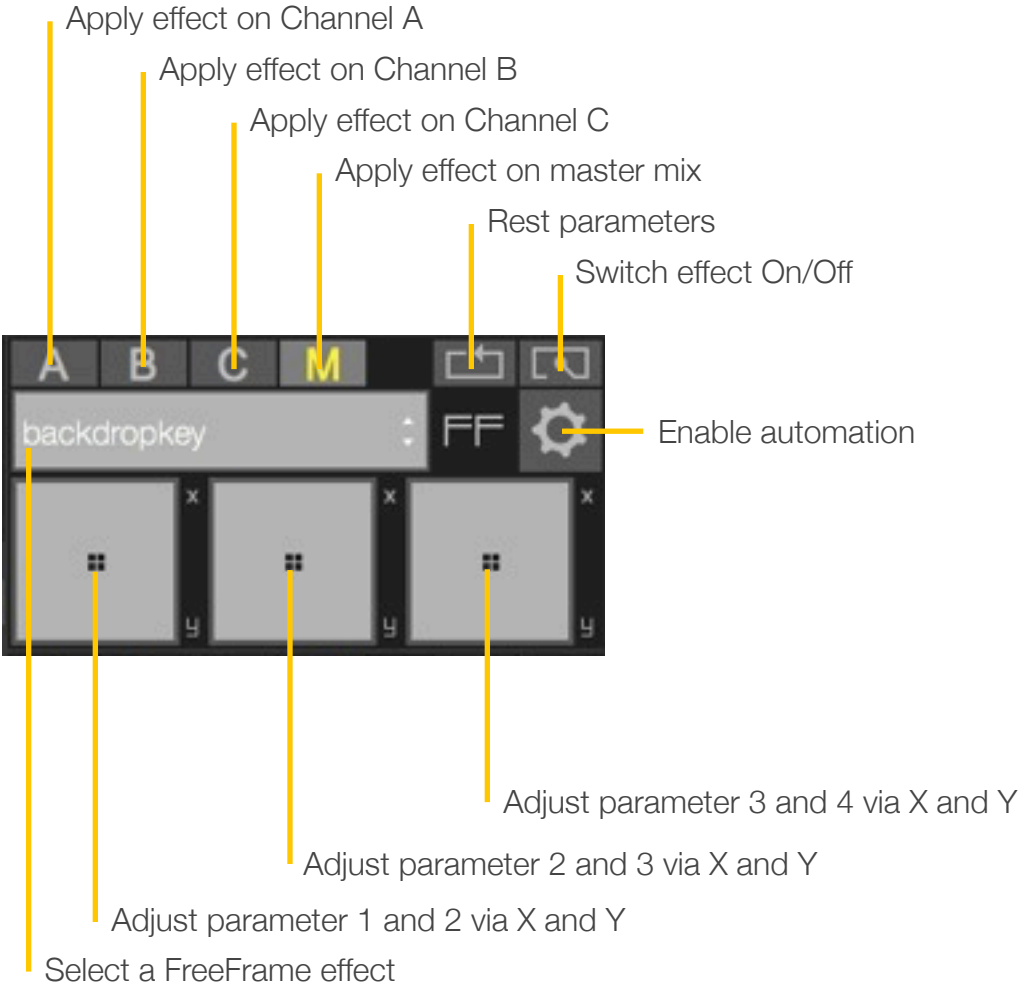


Transform Effect

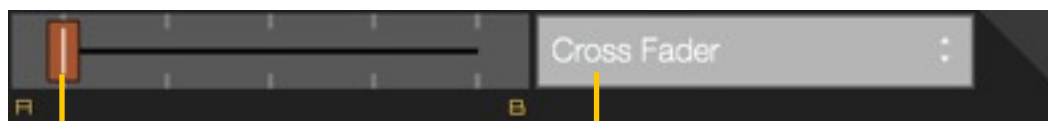


FreeFrame Effect

[Click here to view FreeFrame installation guide.](#)



There are two mixers in AVmixer Pro 2. The first mixer is for mixing and compositing between Channel A and B. The second one is for mixing Channel A and B's sub-mix with Channel C. These two mixer's functionalities are identical.

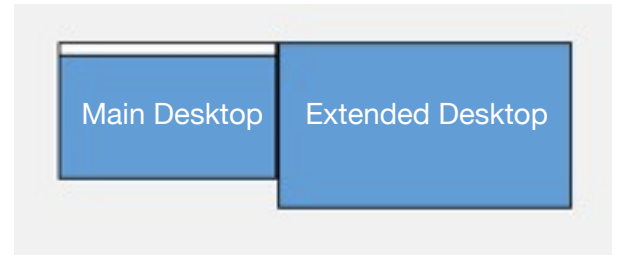


Cross Fader, it will be disabled when using any composite effects

Select a composite mode, choose from Additive, Average, Subtractive, Multiply, Divide, More, Less, Abs. Difference, Add More, Subtract More, Modulo, and Bitwise.

Output Window

Note: In order to send fullscreen video to a projector or a hardware mixer, your computer's graphics card must have an extended desktop capability and an video output port (DVI, VGA, or Mini Display).



Enable fullscreen

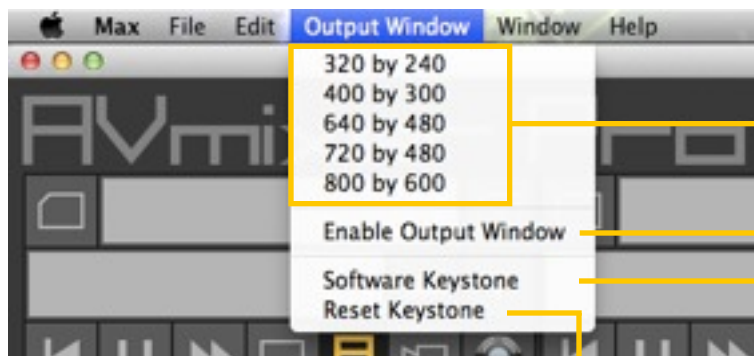
Hint: You would want to enable the extended desktop from your computer's screen preferences, and position it on the right side of your main desktop. Press ESC (escape) key on your keyboard to enter or exit fullscreen mode.

Output window fade to black slider

Output window playback frame rate

Hint: 30 FPS is an ideal frame rate where the final output will appear playing smoothly. If it drops below 10 FPS when not applying any effects, you might consider using a faster computer.

Output Window menu items:



Set output window size

Enable output window

Enable software keystone, click inside of the output window with your mouse to change keystone

Reset software keystone

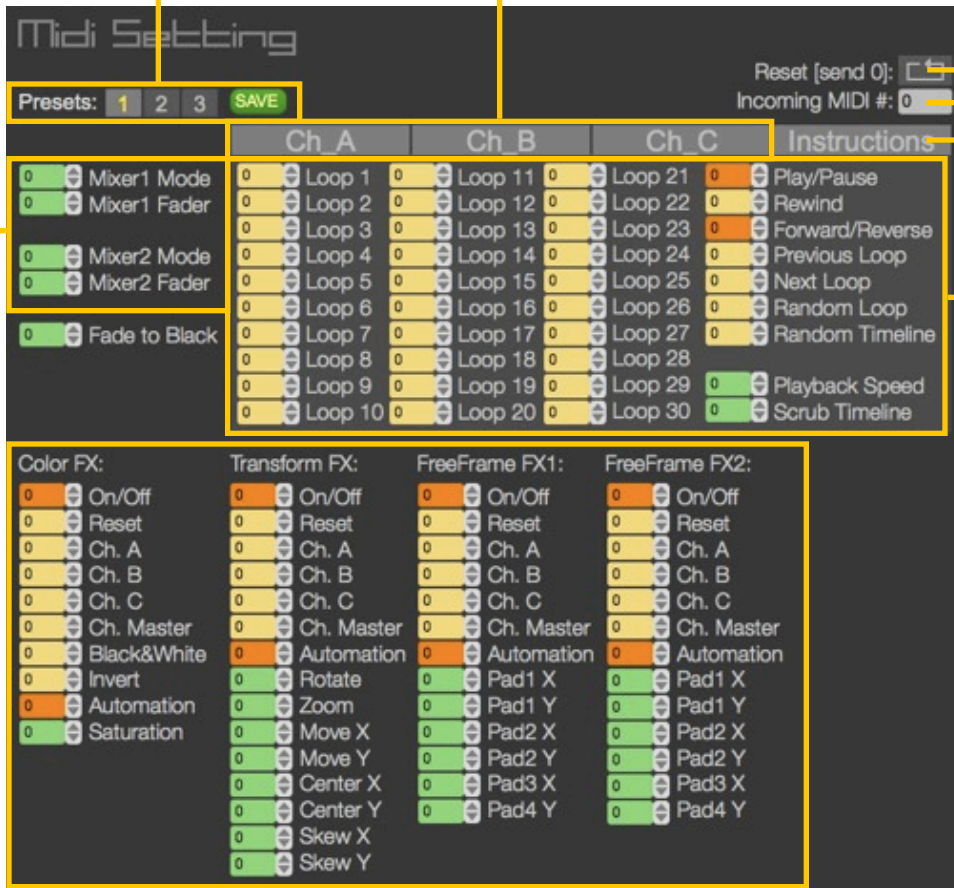
Hint: If experiencing poor performance while playing a particular movie clip, try optimizing your movie by re-compressing using Neuromixer's Batchconverter (download), Quicktime Pro or After Effects. Movie dimensions can be set close to 640x480, use Photo-JPEG compression at 80% quality.



MIDI Setting

Save and retrieve up to three MIDI setting presets

Use tab to switch to movie controls for Chan. A, B or C



Reset a MIDI box

Incoming MIDI number

View instructions

Movie controls

Mixer controls

Effect controls

Incoming MIDI #: 0 Connect your MIDI controller to your computer, then launch AVmixer Pro.

- If you see the incoming MIDI # change, it means your controller is communicating with AVmixer pro.
- Move a slider/knob or touch a button on your MIDI controller first, then click on a MIDI box to assign.

The yellow MIDI boxes are designed to be used with keys or buttons.

The orange MIDI boxes are designed for switches (on/off).

The green MIDI boxes are designed to be used with sliders or knobs.

Adjust the MIDI number by using the up/down arrow buttons

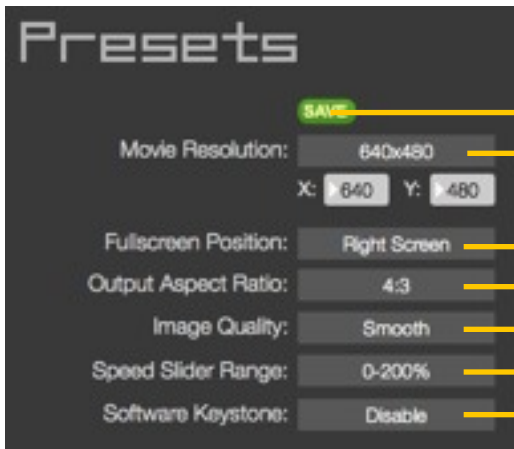
Reset [send 0]: Click on the Reset button then click on a MIDI box to reset the value.

Presets: **1** 2 3 **SAVE**

You may save your settings to one of the three preset slots. Preset 3 is pre-assigned for AVmixer Pro TouchOSC template for iPad. Click here to learn more about TouchOSC.



Preset items:



The screenshot shows a 'Presets' menu with the following items and their corresponding annotations:

- SAVE**: Save presets
- Movie Resolution: 640x480**: Set movie resolution
- X: 640 Y: 480**: Set movie resolution
- Fullscreen Position: Right Screen**: Set movie resolution
- Output Aspect Ratio: 4:3**: Output window picture aspect ratio
- Image Quality: Smooth**: Output window image quality
- Speed Slider Range: 0-200%**: Set speed slider range
- Software Keystone: Disable**: Enable software keystone for output window

Note: Movie Resolution dictated how many pixels Channel A, B and C will process, so do not set this higher than your final output size as you will be wasting unnecessary processing power. Also if your FPS is low and video playback seems choppy and slow, try lowering the Movie Resolution to improve playback performance

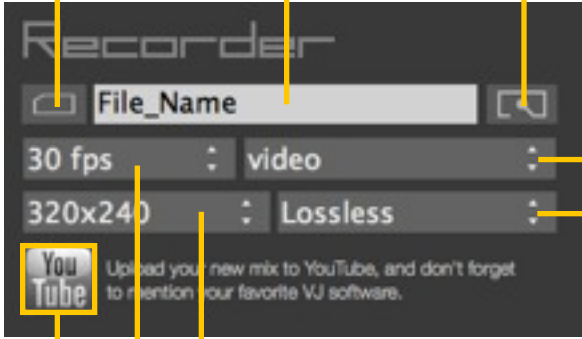
Note: you must select a destination folder first before start recording. Click on the folder icon or drag and drop a folder into the recorder window.

Note: this recorder does not record sound, you will need to add a sound track with a compositing software like AfterEffects or FinalCut. When uploading to YouTube, you may pick a sound track from the YouTube's music library once the video is uploaded.

Click on this button to load a destination folder, alternatively you may drag and drop a folder into this window

Type in a name for your recording

Switch it On to start recording



30 fps : video Set movie codec

320x240 : Lossless Set movie compression quality

YouTube Upload your new mix to YouTube, and don't forget to mention your favorite VJ software.

Set pixel dimension of your recorded movie

Set FTP of your recorded movie

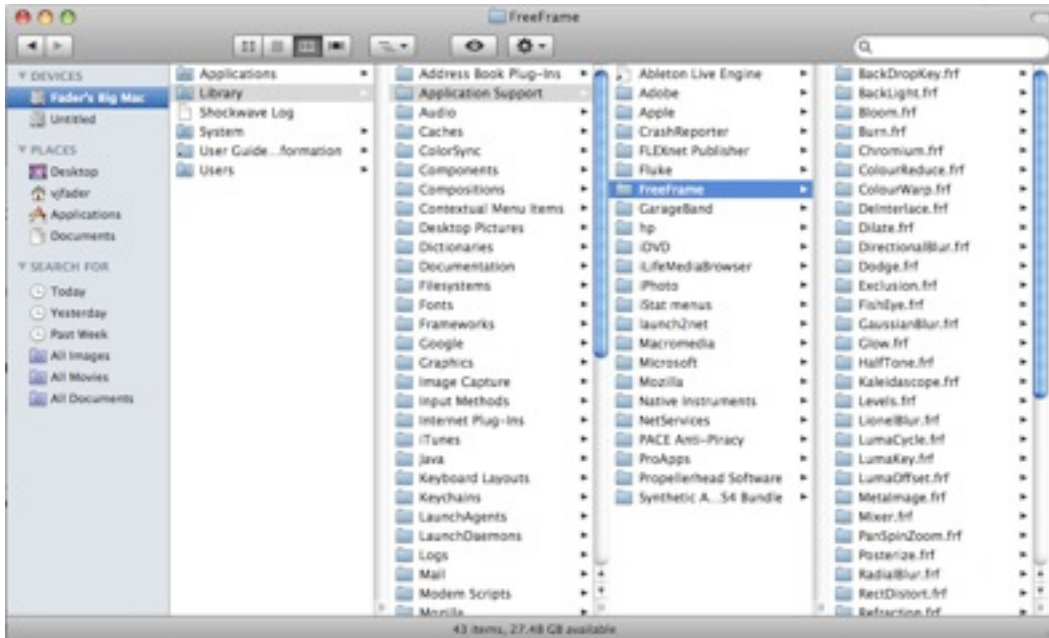
Click on this icon to upload your new mix to YouTube, and don't forget to mention your favorite VJ software.

FreeFrame Installation Guide

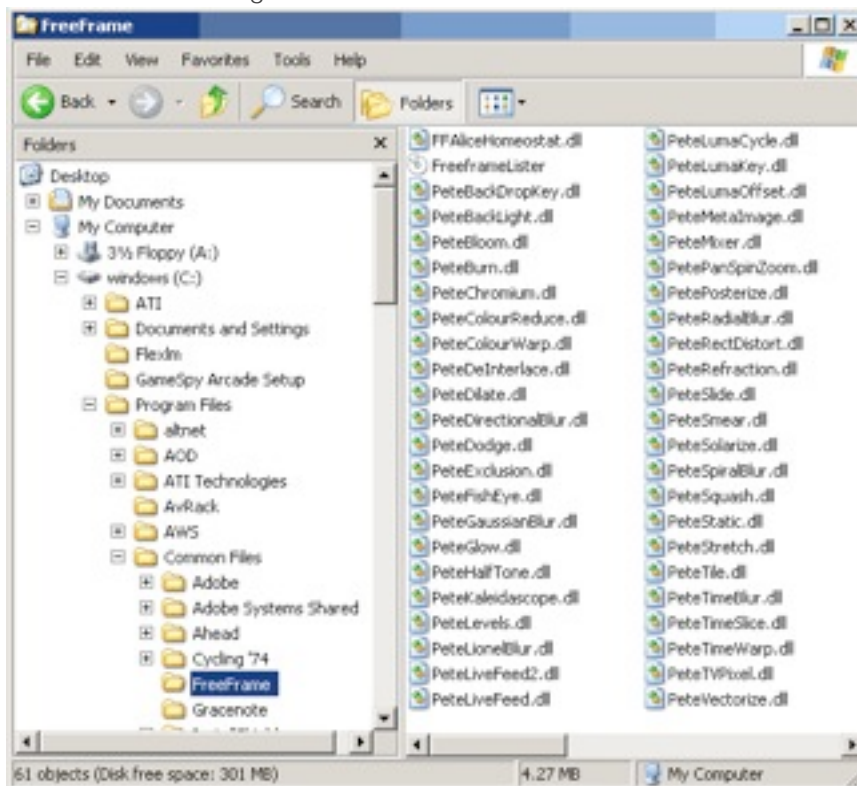
FreeFrame installation guide:

- Locate the Pete's FreeFrame pack in the AVmixer Pro software download package
- Copy and paste the contents into following location (see screenshot)

For Mac OSX: /Library/Application Support//FreeFrame




For Windows: C:\Program Files\Common Files\FreeFrame



Authorization

Your new copy of AVmixer Pro will run with unlimited restrictions for full 30 days. Once the trial period ends software is fully functional for 20 minutes from launch. After 20 minutes the output window will automatically be disabled.

We use PayPal as our payment service. Immediately after your transaction is approved by PayPal, you will be able to retrieve your authorization codes online. Two authorization codes are given per purchased license, these codes are machine specific.

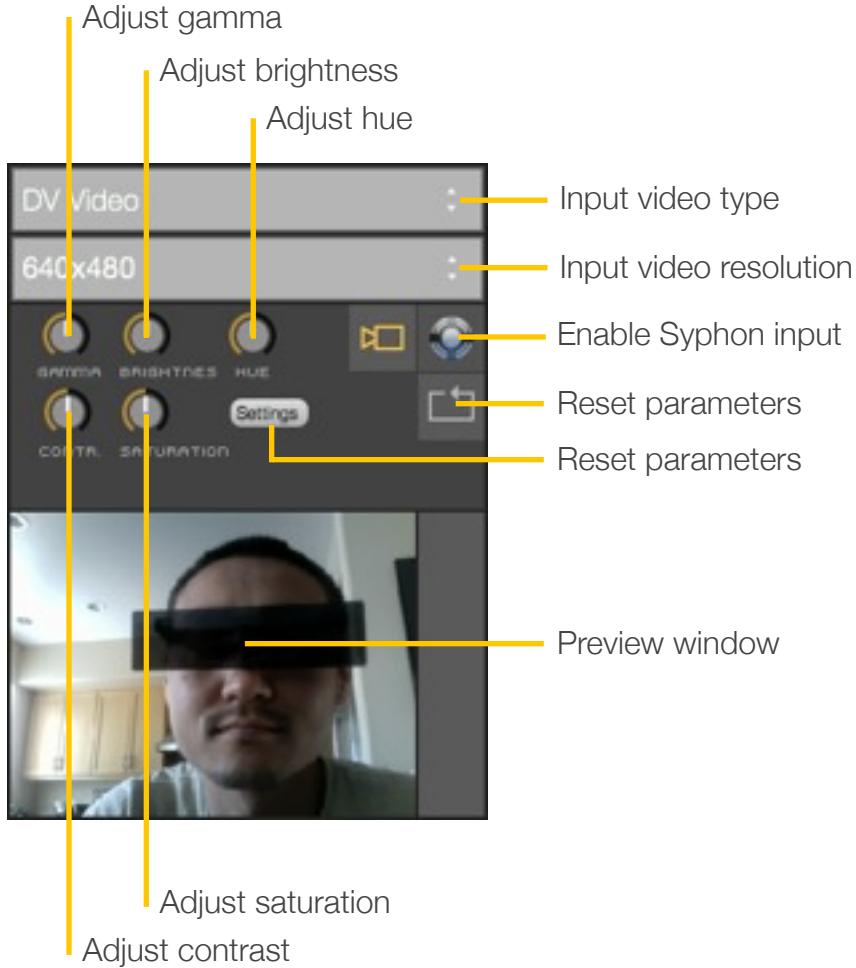


The screenshot shows the 'AVmixer Pro Authorization Window' with the following elements and callouts:

- Status:** 30 days left - unlimited use during trial period. (Callout: Authorization status display)
- Software ID:** AVM20687806013 (Callout: Your AVmixer Pro software ID number)
- Authorize Code:** 12345678 (Callout: Save authorization code)
- Buttons:** Purchase (Callout: Click here to purchase the license online), Authorize (Callout: Enable Syphon input)
- Save Code:** A small button next to the authorize code field (Callout: Save authorization code)
- Note:** press "Enter" on your keyboard, then click "Save Code" button (Callout: Click here to retrieve your authorization code online)
- Footer:** Powered by The Zeigist Cowboy Guild. (Callout: Copy and paste your authorization code here)



DV/Camera Input

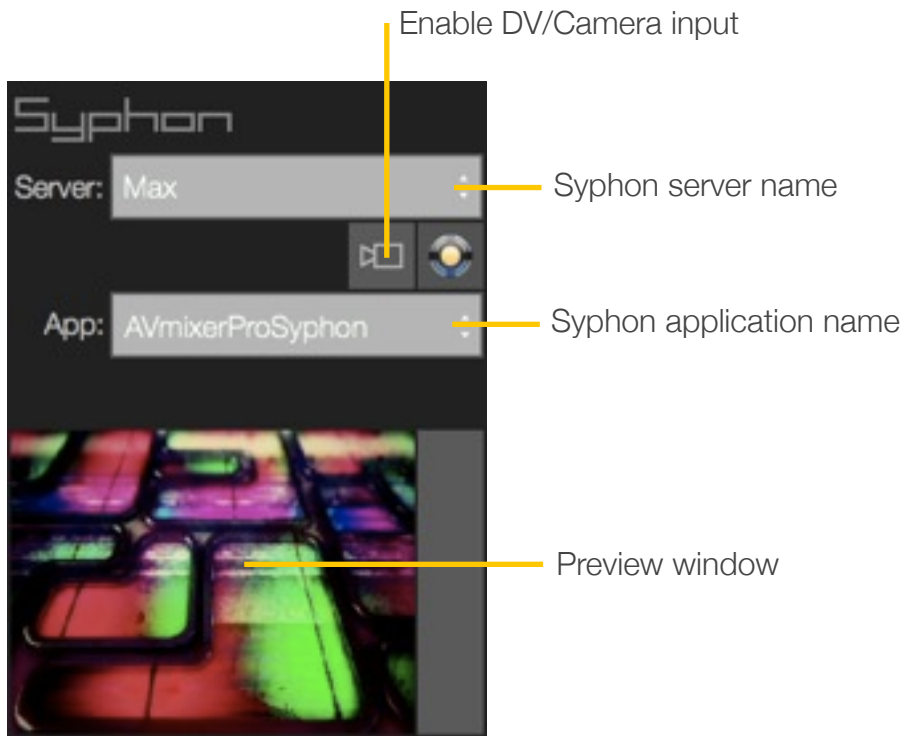


Note: if you only have one DV device connected to your computer, only one Channel (A, B or C) can be used to display the video.



Syphon Video Input

Syphon is an open source Mac OS X technology (sorry PC users) that allows applications to share realtime video with one another. For example you can send the output window's video to MadMapper (created by GarageCUBE) to video map onto 3D surfaces.



Hint: if you send the master mix from AVmixer Pro to itself and mix them together, you can create software feedback.



TouchOSC Template

TouchOSC is a modular OSC and MIDI control surface for iPhone / iPod Touch / iPad. You can design your own touchscreen layout that's customized to your needs. AVmixer Pro comes with a custom TouchOSC template and MIDI preset.

AVmixer Pro will need to receive MIDI messages from TouchOSC devices, for configuration information, please visit site: <http://hexler.net/software/touchosc>

TouchOSC is also available on Android, however this template has not been tested on an Android tablet.



User Agreement:

You must agree to these terms before using this application. Neuromixer is not responsible for any direct, indirect, consequential or incidental damages (including for loss of business profits, business interruption, loss of business information, and the like) arising out of the use, misuse or inability to use the Software. You do not have the right to alter, market or re-distribute this software without our written permission.

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