



# User Guide Index

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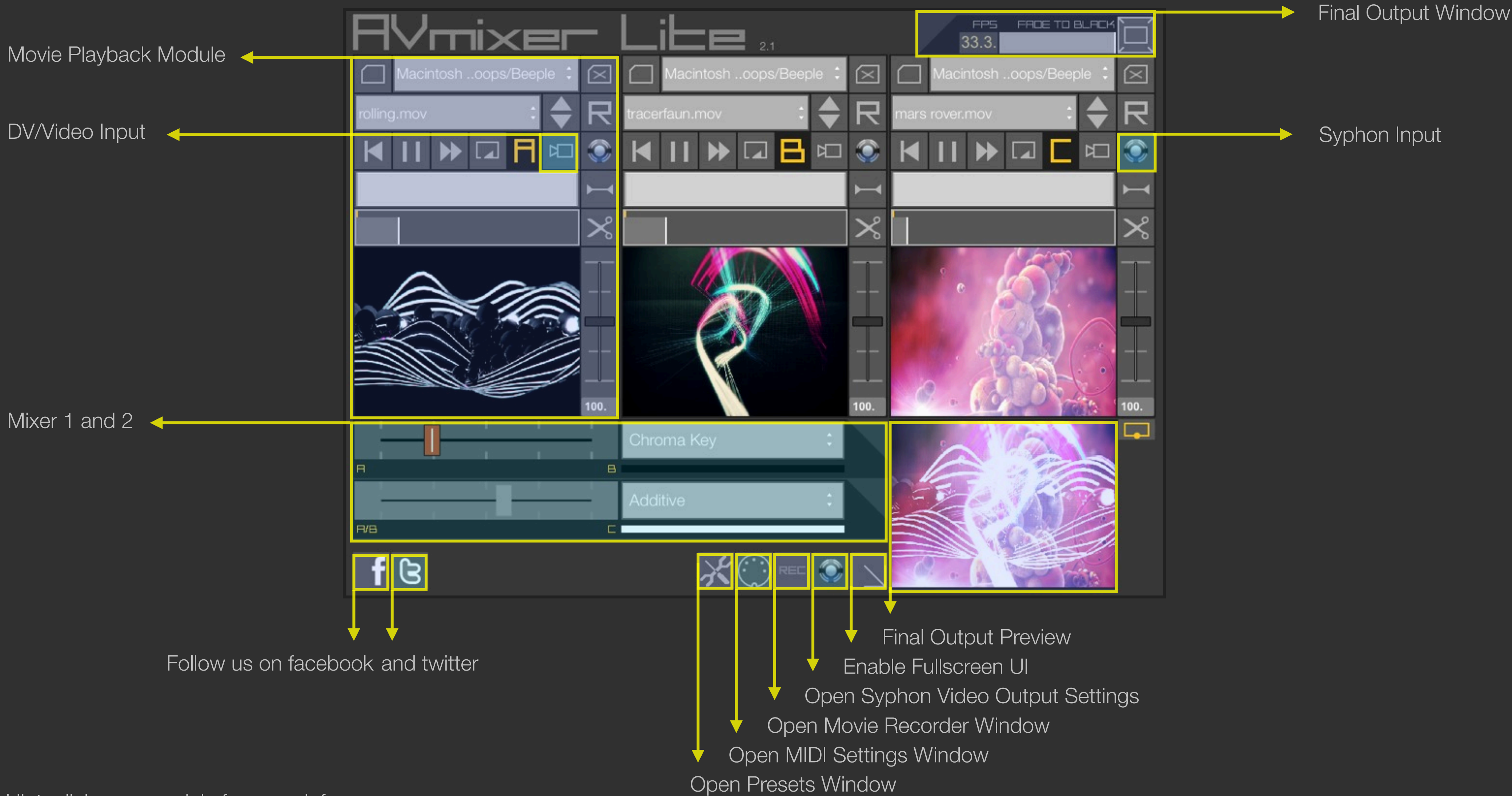
## System Requirements:

- 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

# Main Interface Overview



# Movie Playback

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

Loaded folder pull-down menu

Loaded movie pull-down menu

Play previous/next movie clip

Remove currently loaded folder

Play random movie clip

Enable Syphon video input, click here for info

Reset loop in/out points

Randomly jump cut on timeline

Enable DV/Camera input, click here for info

Scrub movie timeline, click to set s new rewind point

Set loop in/out point

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

Set playback direction to forward or reverse

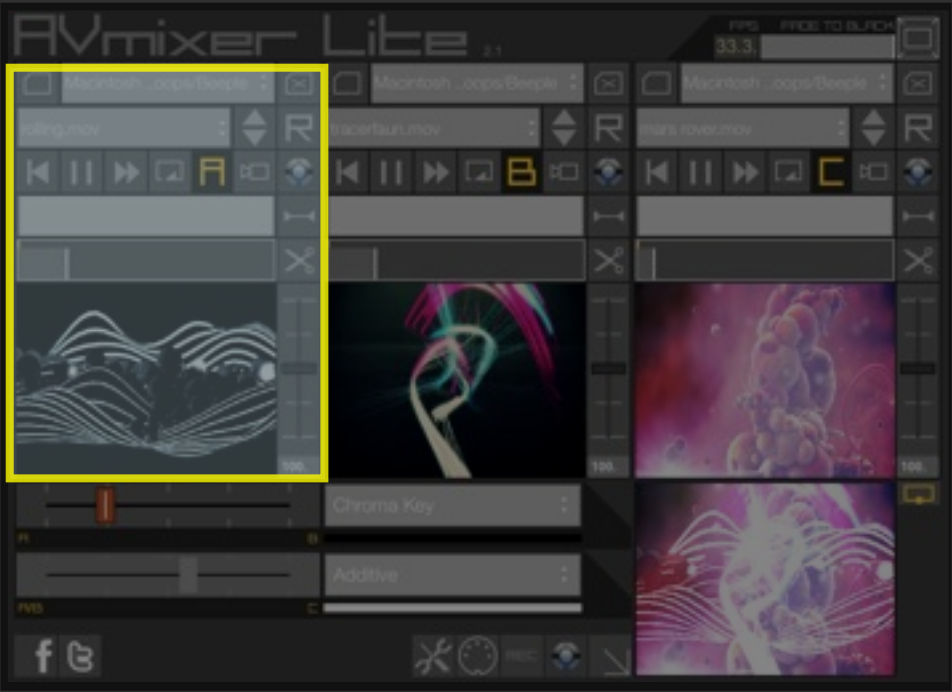
Play or pause the movie

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, mouse click here to reset speed to 100%





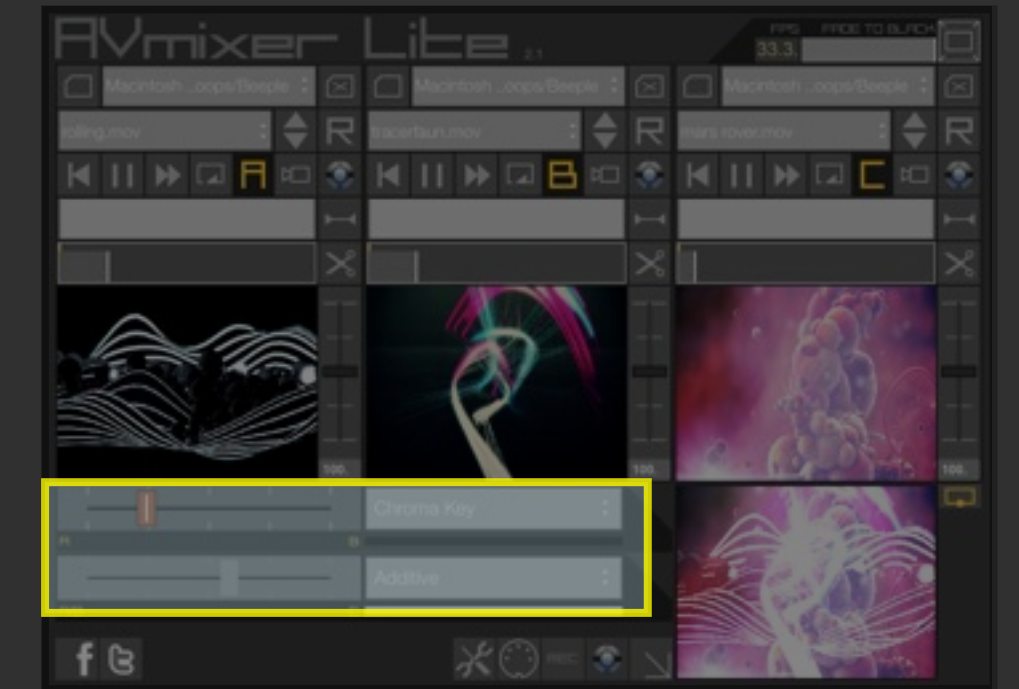
# Mixer

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.



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

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



Note: when using Chromakey function, click anywhere in the preview window to pick a color. Hold the Shift key on your keyboard and click to select color for the second mixer.

# 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).

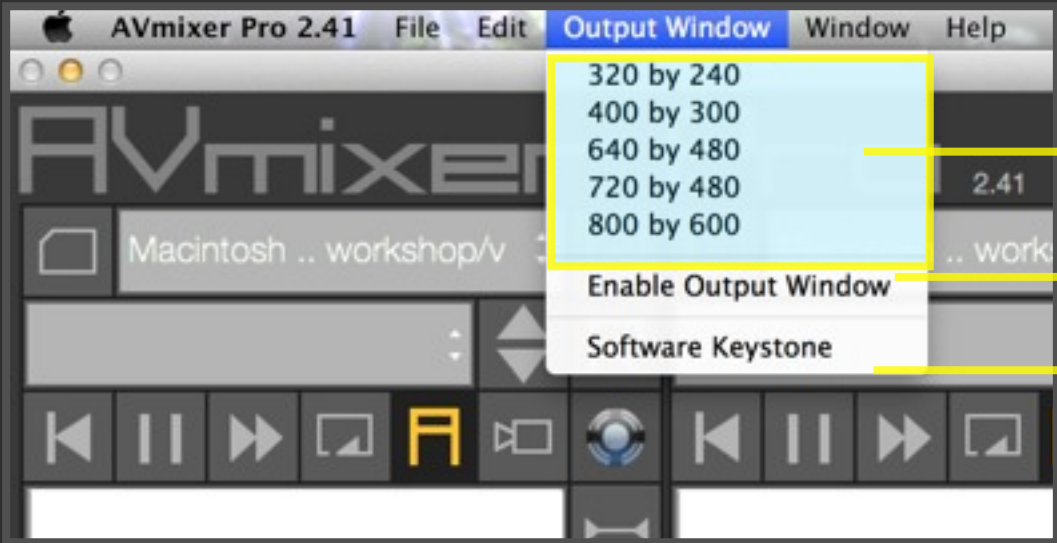
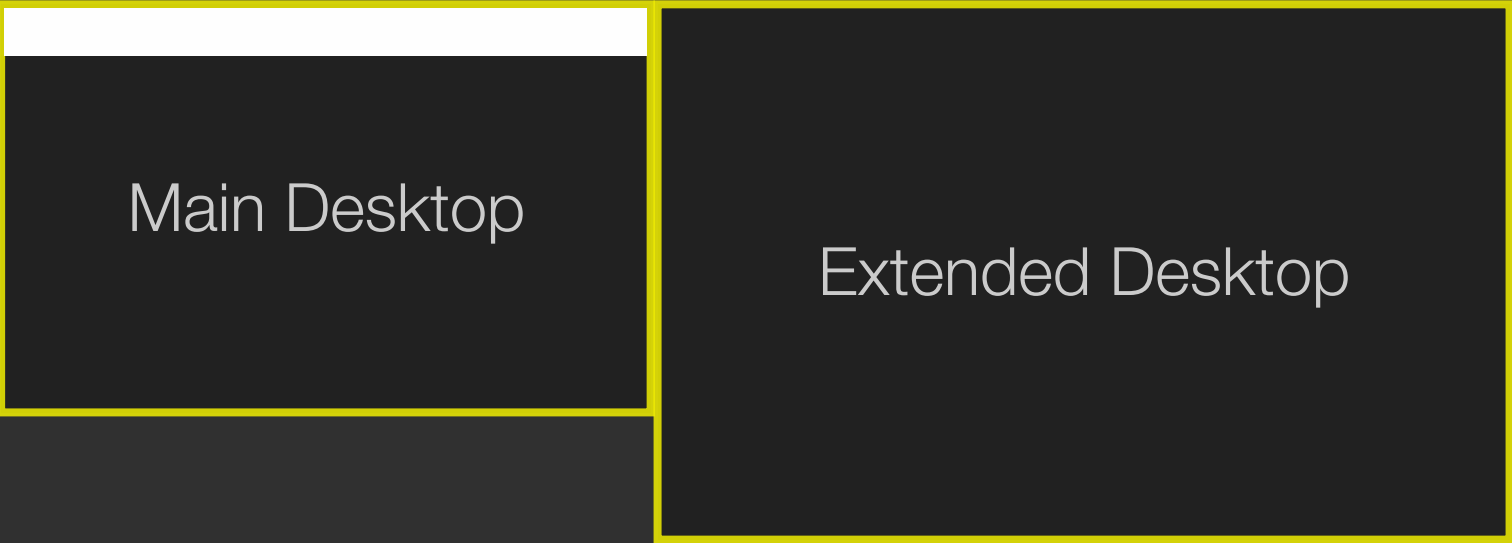


Output Window Fade to Black Slider  
Output Window Playback Frame Rate

Hint: 30 FPS is an ideal frame rate where the final output video looks smooth. If it drops below 10 FPS, try reduce effects or switch to a faster computer.

Click to 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.

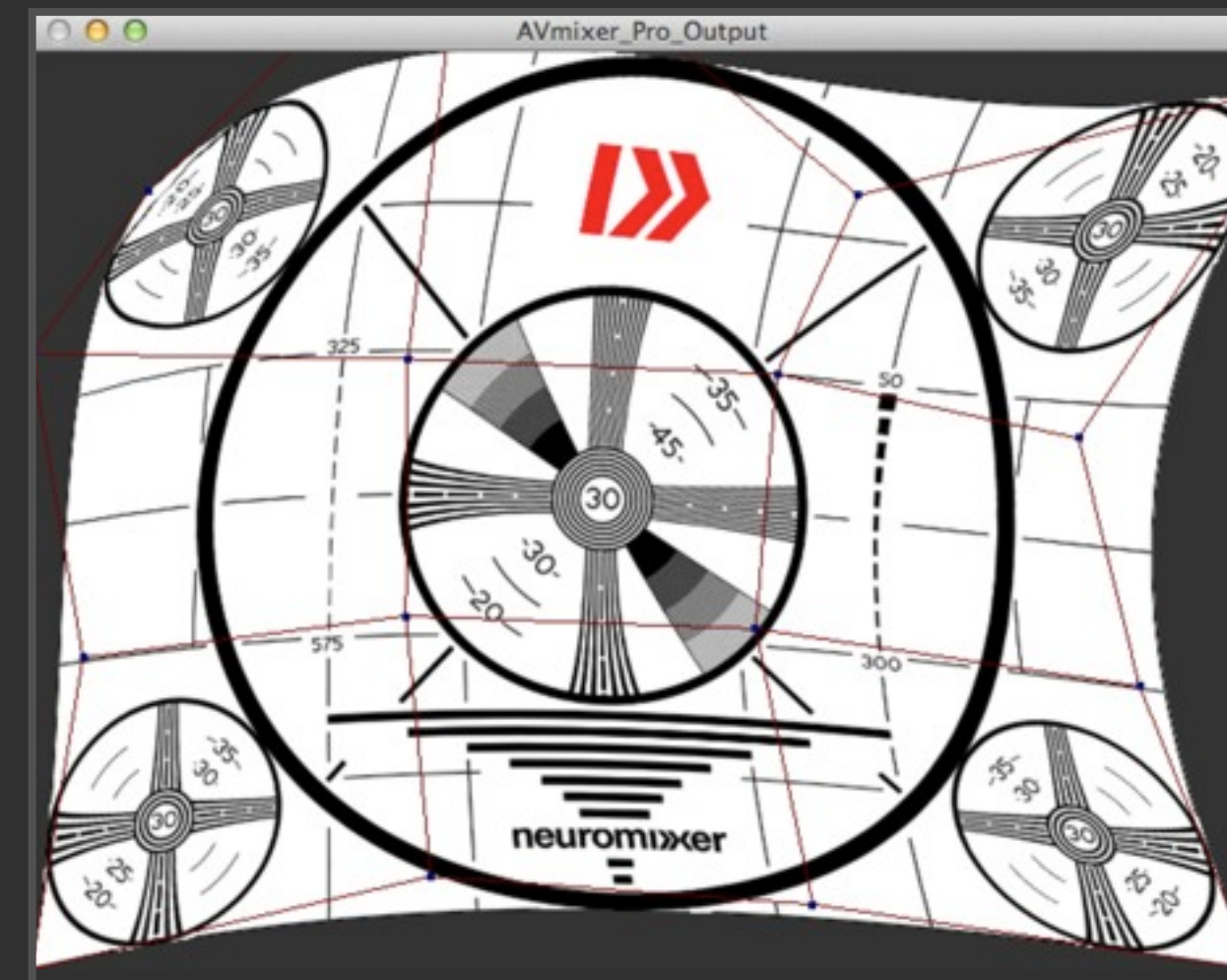
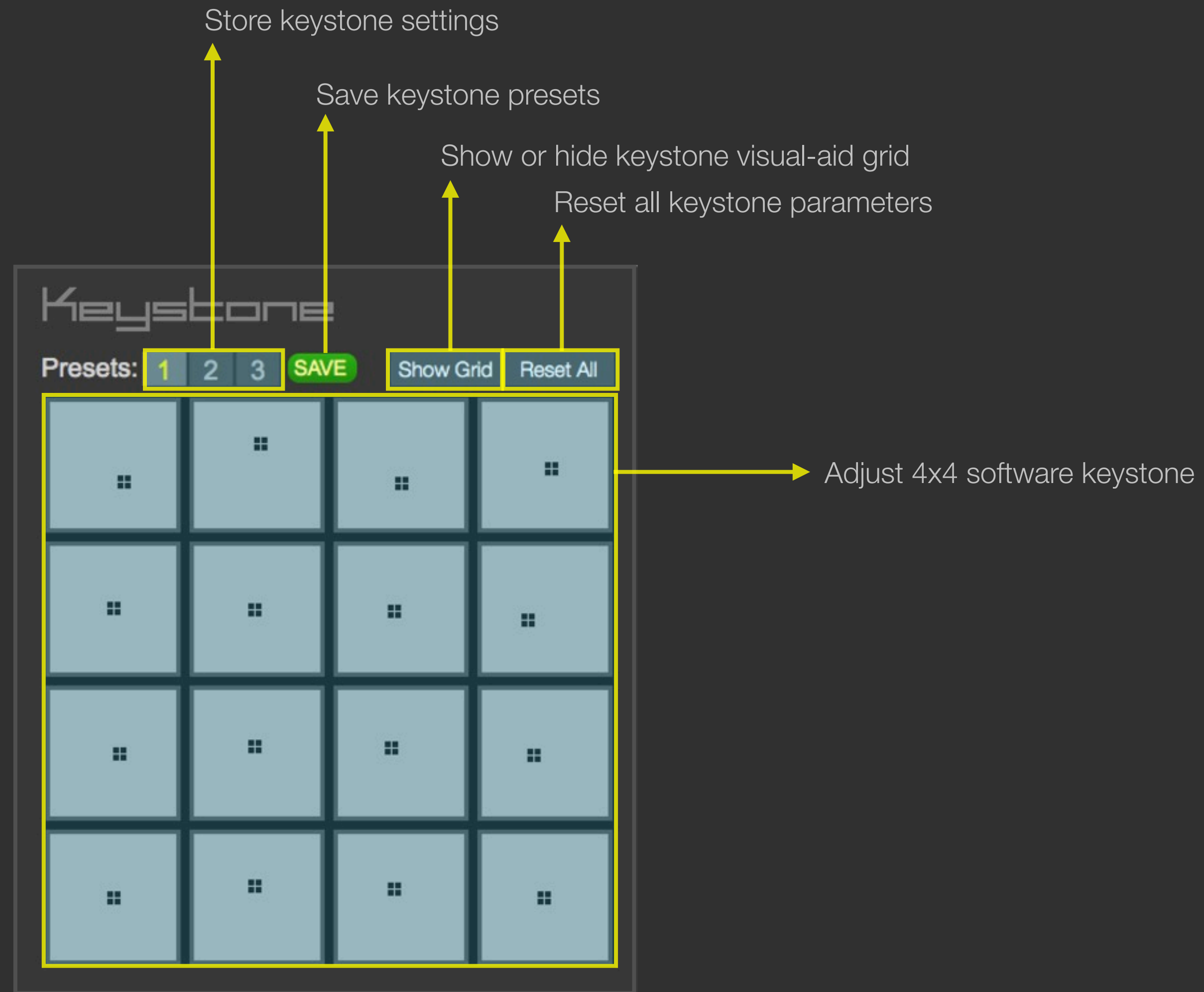


Set output window size

Enable output window

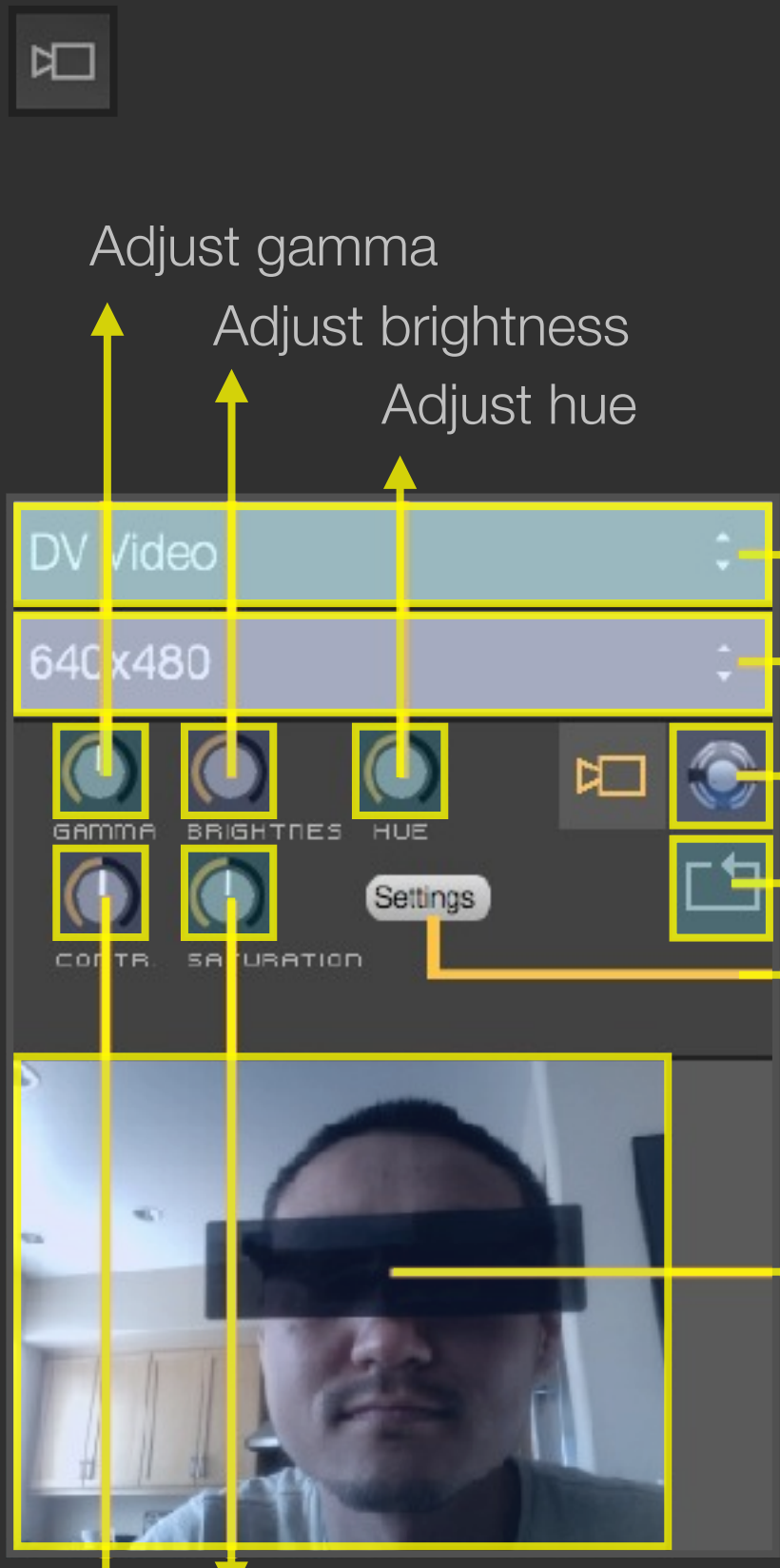
Open 4x4 software keystone window

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





# DV/Camera Input



Adjust gamma

Adjust brightness

Adjust hue

DV Video

640x480

GAMMA

BRIGHTNESS

HUE

CONTRAST

SATURATION

Settings

Reset parameters

Reset parameters

Preview window

Adjust saturation

Adjust contrast

Input video type

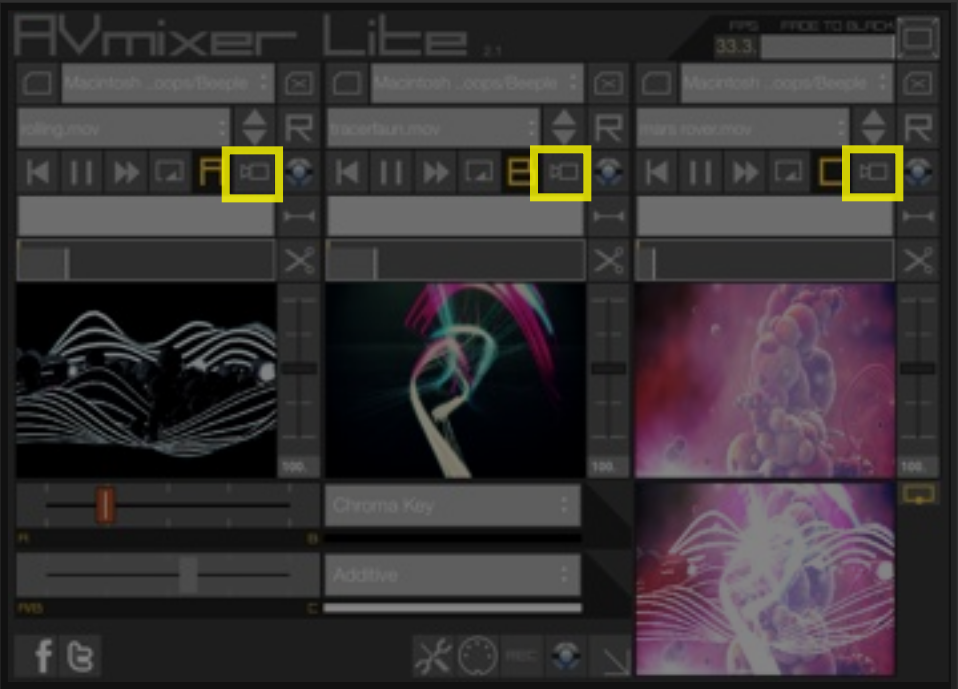
Input video resolution

Enable Syphon input

Reset parameters

Reset parameters

Preview window

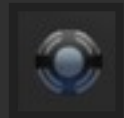


Note: if you only have one DV device installed on your computer, only one Channel (A, B or C) can be used to receive the video.

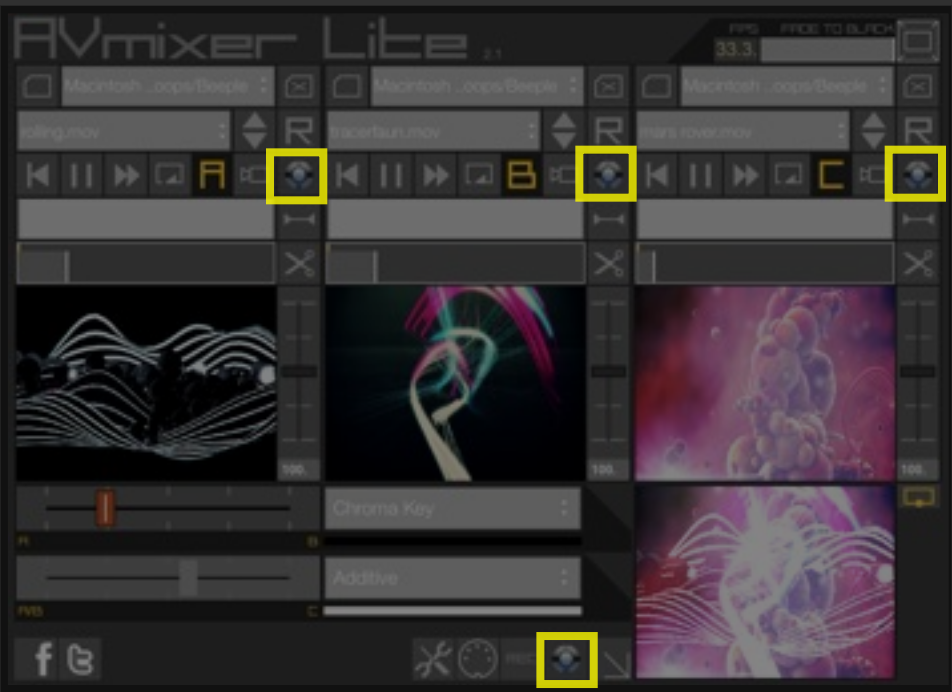




# Syphon Video Input/Output



Syphon is an open source Mac OS X technology that allows applications to share realtime video with one another.  
For example you can send the output window's video to MadMapper or other VJ software.



Syphon

Server: Max

App: AVmixerProSyphon

Enable DV/Camera input

Syphon server name

Syphon application name

Preview window

Syphon Server

Channel A:

Channel B:

Channel C:


Master Output:

Note: turn on a switch to send video from AVmixer Pro to other applications via Syphon

- Send Chan.A video via Syphon
- Send Chan.B video via Syphon
- Send Chan.C video via Syphon
- Send Mater Output video via Syphon

Hint: if you send and receive master output from AVmixer Pro to itself you can create software feedback.

# Presets



SAVE

Fullscreen Position: Right Screen

Movie Resolution: Native

X Y

Output Aspect Ratio: 16:9

16 : 9

Image Quality: Normal

Output Window Border: Enable

Speed Slider Range: 0-200%

Save your presets

Set fullscreen window position

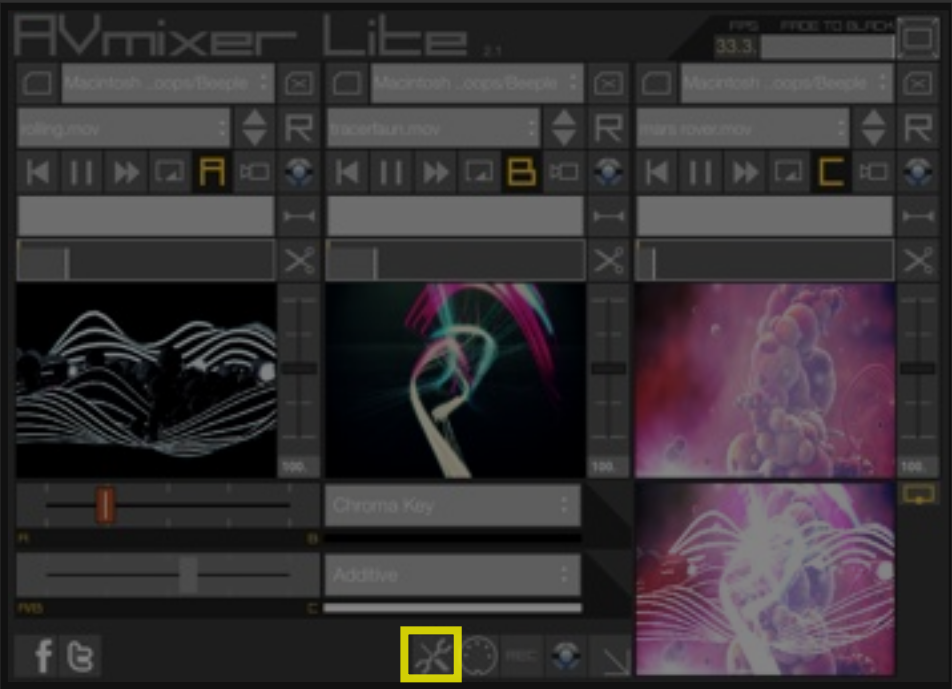
Movie playback resolution

Output window aspect ratio

Output window image quality

Enable output window frame border

Movie playback speed slider range



Note: Movie Resolution dictates how many pixels Channel A, B and C will process, so try not set this higher than your final output resolution size. Also if your FPS is too low and video playback seems choppy and slow, try lowering the Movie Resolution to improve playback performance.

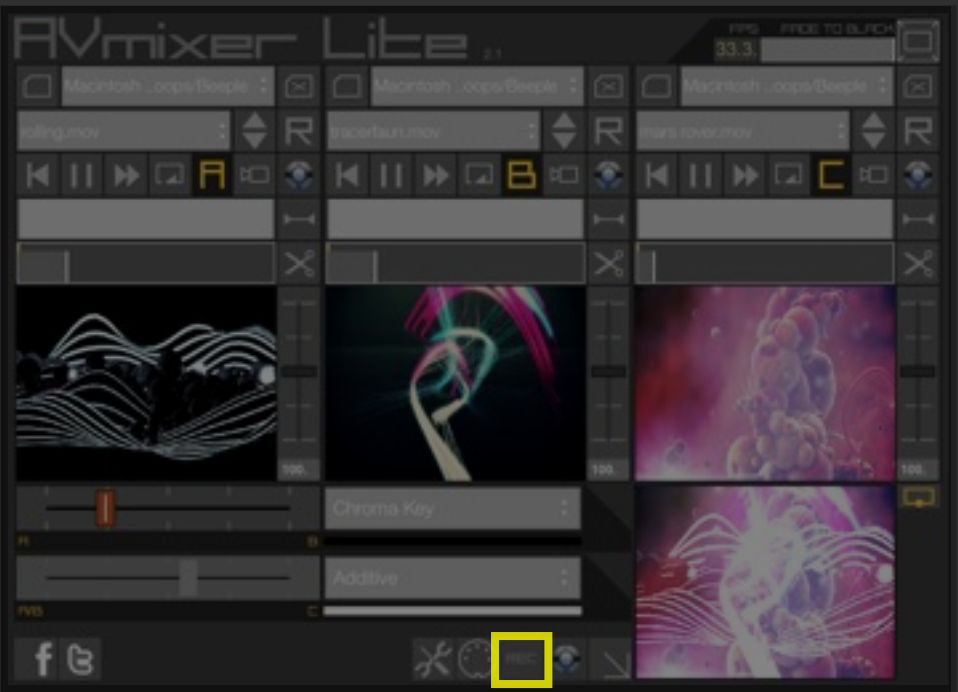


# Recorder



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.

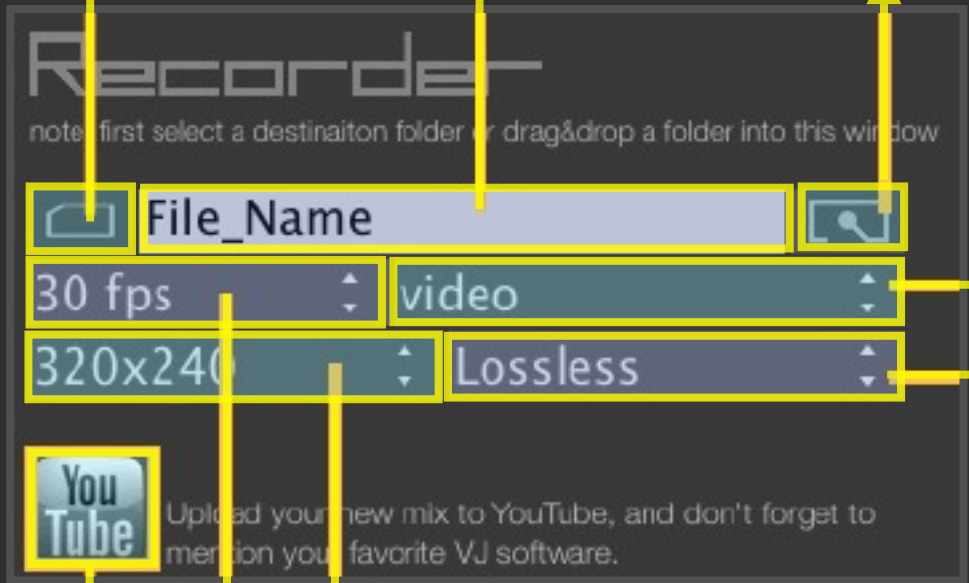
Note: in current version the recorder does not record sound, you will need to add a sound track with a compositing software like AfterEffects or FinalCut. When uploading to YouTube, you may pick a sound track from the YouTube’s music library after upload.



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



Set movie codec

Set movie compression quality

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.

# MIDI Setting



Mixer Controls

Midi Setting

Presets: 1 2 3 SAVE

Save MIDI presets

Rest Parameters

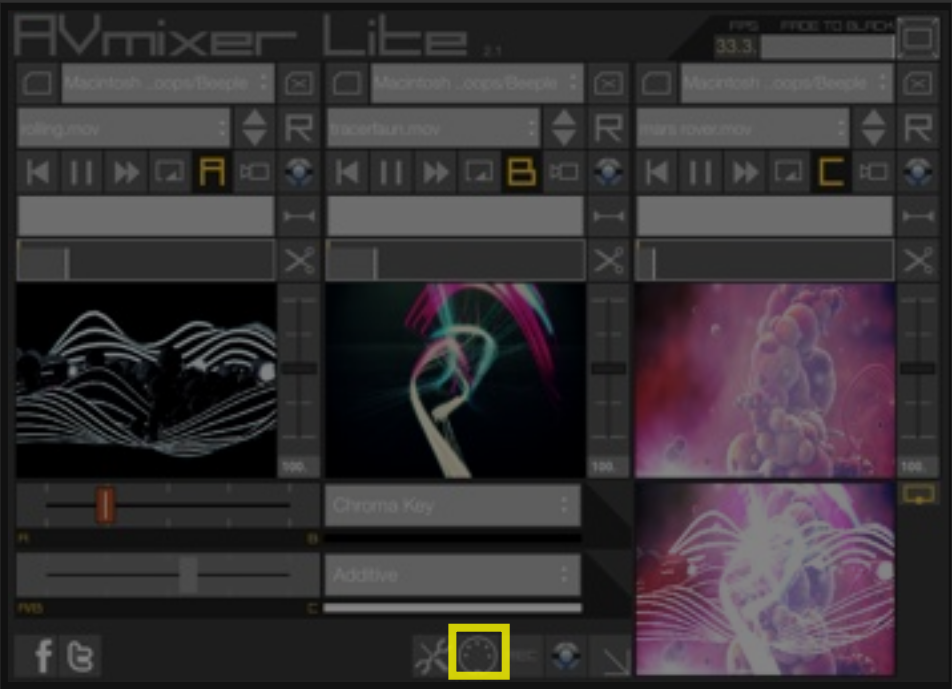
	Ch A	Ch B	Ch C	Instructions
0 Mixer1 Mode	0 Loop 1	0 Loop 11	0 Loop 21	0 Play/Pause
0 Mixer1 Fader	0 Loop 2	0 Loop 12	0 Loop 22	0 Rewind
0 Mixer2 Mode	0 Loop 3	0 Loop 13	0 Loop 23	0 Forward/Reverse
0 Mixer2 Fader	0 Loop 4	0 Loop 14	0 Loop 24	0 Previous Loop
0 Fade to Black	0 Loop 5	0 Loop 15	0 Loop 25	0 Next Loop
	0 Loop 6	0 Loop 16	0 Loop 26	0 Random Loop
	0 Loop 7	0 Loop 17	0 Loop 27	0 Random Timeline
	0 Loop 8	0 Loop 18	0 Loop 28	
	0 Loop 9	0 Loop 19	0 Loop 29	0 Playback Speed
	0 Loop 10	0 Loop 20	0 Loop 30	0 Scrub Timeline

Reset [send 0]: [Reset]

Incoming MIDI #: 0

Reset a MIDI box  
Display incoming MIDI #  
View instructions

Movie controls



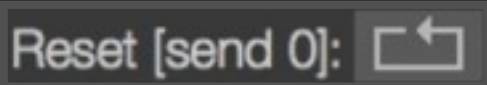
- First connect your MIDI controller/device to your computer, then launch AVmixer Pro.
- If you see the incoming MIDI # change, it means your controller is communicating with AVmixer pro.
- Move a slider/knob or touch a button on your MIDI controller first, then click on a MIDI box to assign



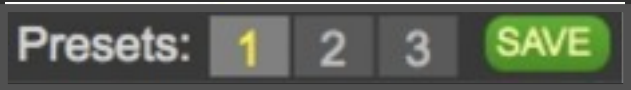
The yellow MIDI boxes are designed to be used with keys or buttons.  
The orange MIDI boxes are designed for switches (on/off).  
The green MIDI boxes are designed to be used with sliders or knobs.



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



Click on a MIDI box and then click 'Reset' button to send value 0.



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.](#)

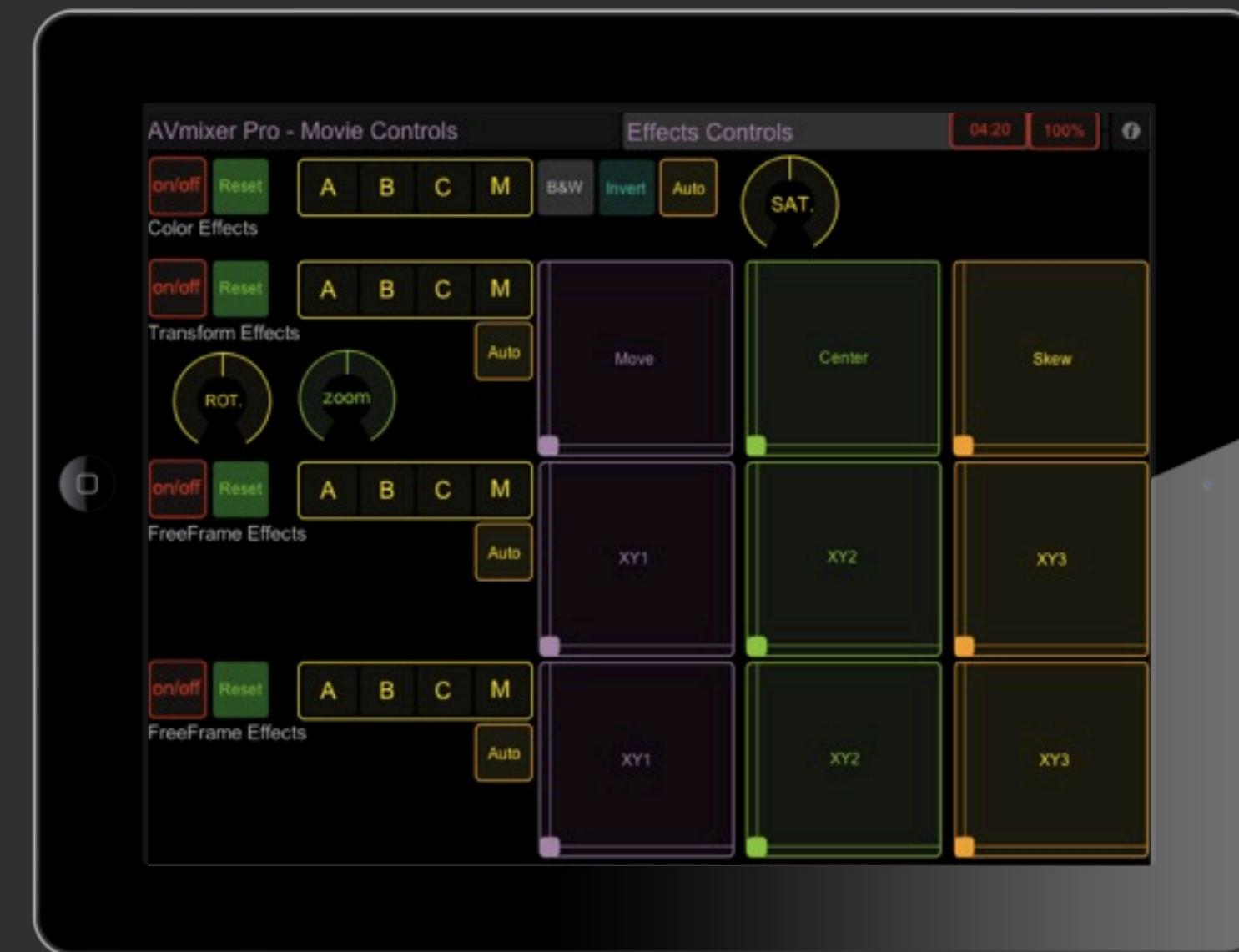


# TouchOSC Template

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. You can find custom templates in your AVmixer Pro download package

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.



# Keyboard Shortcut

Trigger clips on Chan. A

Trigger clips on Chan. B

Trigger clips on Chan. C



Play previous/next clip in Chan. A

Play previous/next clip in Chan. B

Play previous/next clip in Chan. C

Use left and right arrow keys to auto-fade between Channels A and B, press Shift key to fade between Channels A/B and C.

Jump cut timeline for Chan. A, B and C

Trigger random movie clip for Chan. A, B and C

Rewind for Chan. A, B and C

When using the Chromakey function, hold the Shift key and mouse click anywhere in the preview window to select a color for the second video mixer.



# Legal Stuff

## 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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