

# What's New for Avid® Media Composer® v2022.4

## New in Media Composer v2022.4

The following are new for Media Composer v2022.4:

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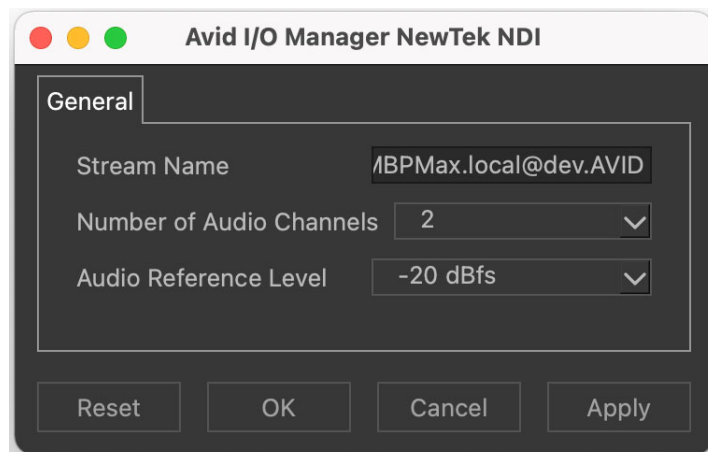
## NewTek NDI Audio Reference Level

With this release, you can set the NewTek NDI audio reference level to -14dB, -18dB, or -20dB. Access the Avid I/O Manager when you are configuring NewTek NDI settings.

**To set the audio reference level:**

1. Right-click the HW/SW button.
2. Enable NewTek NDI.
3. Right-click the HW/SW button and select Configure.

The Avid I/O Manager window opens.



4. Adjust the Audio Reference Levels.
5. Click Apply.
6. Click OK.

## Interlaced Format Support for NDI

With this release, when working with NDI, we now support interlaced formats for HD project formats including 720i/59.94, 720i/60, 1080i/59.94 and 1080i/60.

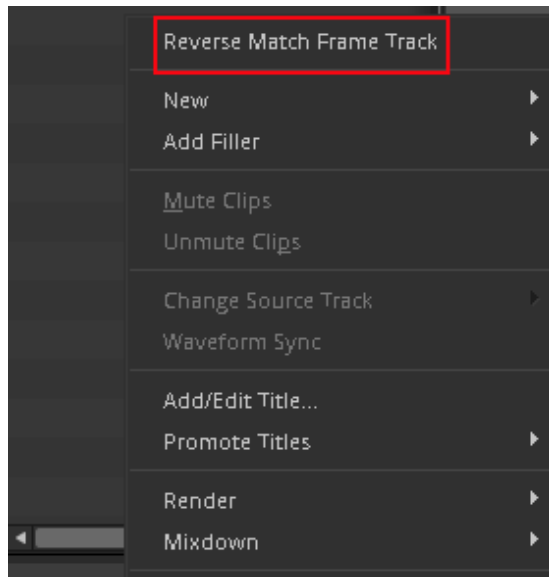
## Reverse Match Frame Available from a Context Menu

The Reverse Match frame option is now additionally available when right clicking on a Source or Record track light in the Timeline. This shortcut allows you to perform a reverse match frame on a specific Source or Record track without having to change which track lights are lit in the Timeline.

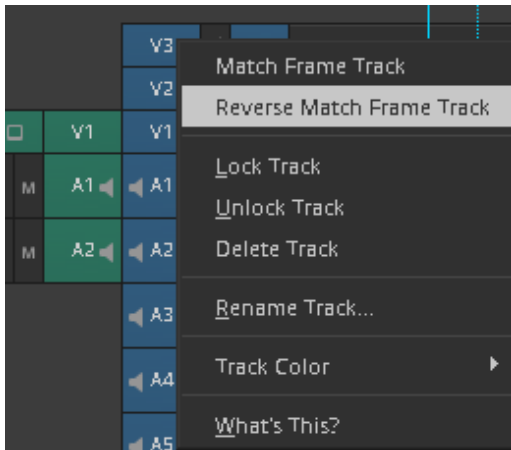
With sequences loaded on both sides of the Composer window, right click on the track light of the desired track and select Reverse Match frame to find a match on any track of the sequence on the opposite side. Reverse Match frame can also be used when a clip is loaded in the source monitor.



*Unlike normal Reverse Match Frame, selecting this option from the context menu, searches all tracks, not just those that are lit.*



Reverse Match Frame Track option on Source side



Reverse Match Frame Track option on Record side

## Open IO Support for SRT

Secure Reliable Transport (SRT) is an open source video transport protocol and technology that optimizes video streaming performance across networks.

SRT in Media Composer is broadcast ONLY. You need an SRT application on the other end (for example, Haivision Free Play Pro App, VLC player, any SRT enabled decoder) to watch the SRT stream. SRT enabled devices or Apps can playback the output of Media Composer.

To learn more about options for playback, visit the SRT Alliance web page: <https://www.srtalliance.org> and or the list of companies who now have built SRT into their cameras, encoders/decoders, players, mobile apps etc.

Note the following when working with the SRT plug-in:

### Decoded Output

- Due to the compressed streaming nature of SRT, and the variety of SRT decoding applications and devices available, the decoded output may not be in sync with the Media Composer desktop. Depending on the decoder being used, the output may be up to several seconds out of sync. Adjusting the buffering settings in the decoder as well as the SRT latency setting can help to improve the delay depending on your network's quality of service.

### SRT Quality Bitrates

- The default quality settings for a 1080p/29.97 project are 5-15 Mbits/sec for low, 10-30Mbps for medium and 30-80 Mbps for high. Bitrates will vary, and might exceed the average values, based on the media being sent over SRT. Bitrates are scaled based on the frame rate and raster size, and may vary in the actual bitstream based on how efficiently the codec can compress the frames.
- Only 8b quality is supported with SRT. Media Composer will automatically set the I/O to 8b quality if Media Composer is set to draft or 10b.

**Projects and Media Support:**

- 2K/UHD/4K projects will be downconverted to HD formats at the same frame rate. For example, if you are working on a UHD 4k 23.976 projects, it will be converted to an HD 23.976p project.
- Interlaced formats are not natively supported, but will be converted to progressive format at the equivalent frame rate.
- SRT will mix multi-channel audio to stereo audio.
- RGB is not natively supported and will be converted to YUV.

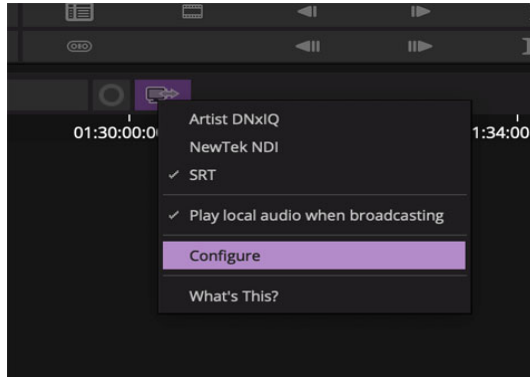
 *The SRT plug-in is supported with Media Composer | Enterprise and Media Composer | Ultimate licenses only.*

 *Currently, audio scrubbing is disabled when broadcasting SRT or with NDI.*

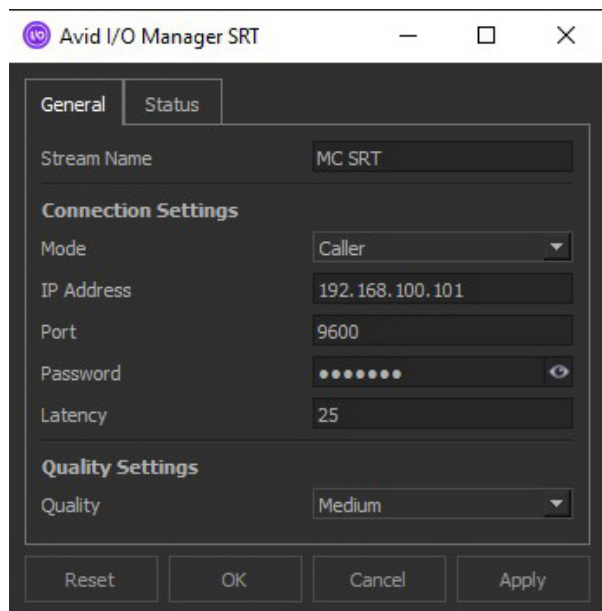
**To work with the SRT plug-in:**

1. Right click on the HW/SW button.


A context menu opens listing the available HW/SW plug-ins.



2. Select Configure.



Use the following table to configure the SRT plugin.

Protocol	Parameter	Description
SRT	Stream Name	You can provide a custom name for the stream
	Mode	To establish a link between a source and destination device, ensure that one device is a listener and the other is a caller. The device you set as the caller or listener is arbitrary in most cases. If the destination device is going to be ingesting multiple SRT sources, then it must be configured as a listener and Media Composer must be configured as a caller.
	IP Address	The IP address of the destination SRT device.
	Port	The port used between the destination and source SRT device. If you are using SRT on a network protected with a router and firewall, you may need to configure the router to support port forwarding for whatever port you specify.
	Password	The password used by both the source and destination to encrypt the stream. You will need to note the password you use and provide it to the user at your destination.  <i>You will receive a warning if you do not setup a password.</i>
	Latency	SRT provides high-quality, low-latency streaming across unreliable internet connections. If packets are lost in transit, a request to re-transmit is sent back to the host. If the host still has the packet, it will re-transmit. If not, then the packet is lost and video and audio may be dropped. If you find that you are seeing dropped audio and video, increasing the latency will provide better quality of service but will also increase the latency between the sender and receiver.
	Quality	Specifies the target AV bitrate used for streaming.  High = 30-80 Mbps  Medium = 10-30 Mbps  Low = 5-15 Mbps  Bitrate above is per 1080p/29.97 and scale proportionally for other formats.

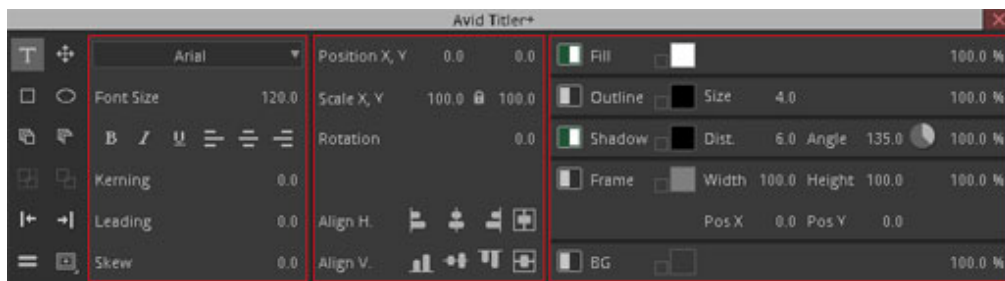
- Once you have configured the plugin, make sure to select the SRT plugin from the context menu. A check mark appears next to the plugin when it is selected.
- Click on the HW/SW button to start broadcasting.

# Avid Titler+ Update

The updates include the following:

## Improved Titler+ Dashboard with Dedicated Font, Transformation, and Style Sections

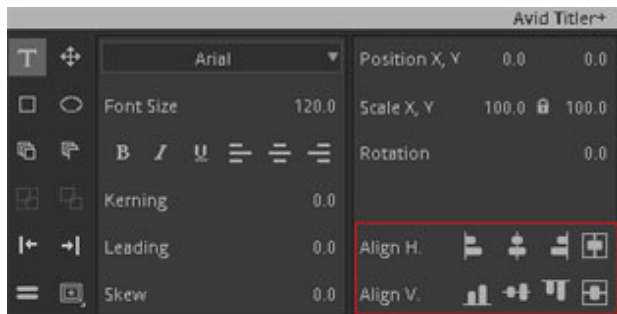
This release includes a number of updates for the Avid Titler+ tool. Avid Titler+ has an improved, reorganized design that includes dedicated Font, Transformation and Style sections.



From left to right: Font section, Transformation section, Style section on the Avid Titler+ Dashboard

## Improved Alignment Tools to Easily Position and Align Titles and Shapes

New alignment buttons have been added to the Transformation section to position titles and shapes and to easily align multiple objects together.

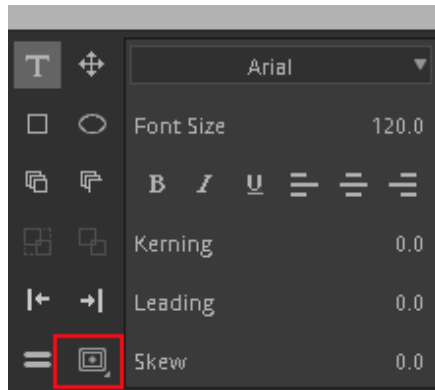


Alignment buttons

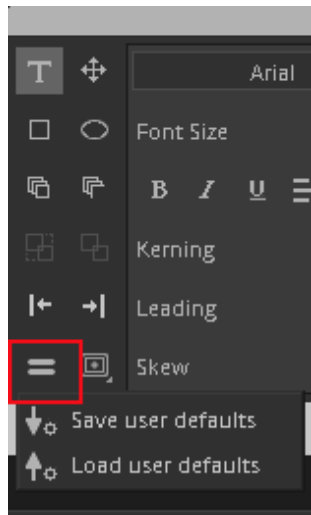
Also note the following terminology changes in this release:

- Transform (previously Layer)
- Foreground (previously Global)
- Outline (previously Edge)
- Fill (previously Face)

The Grid button is now available on the Avid Titler+ Dashboard.

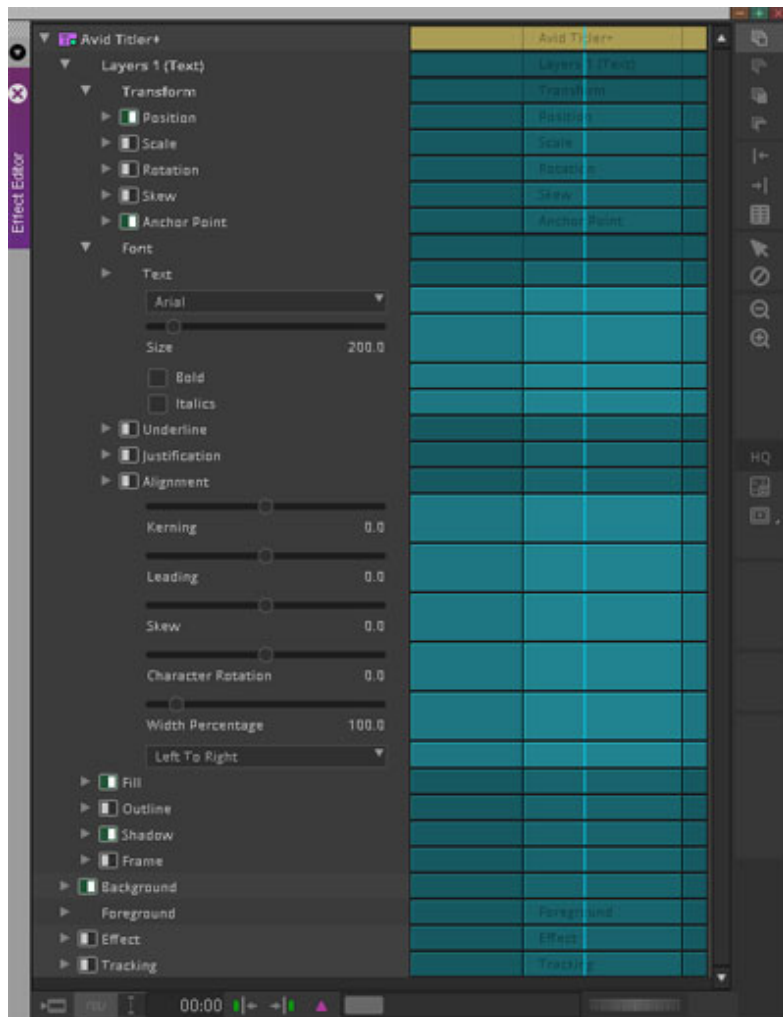


The Save user defaults and Load user defaults are now available from the Avid Titler+ Fast menu.



### Reorganized Effect Editor to Reflect the Changes in the Titler+ Dashboard.

The Avid Titler+ effect in the Effect Editor has been updated and reorganized to reflect the changes in the Avid Titler+ Dashboard. There is also a new Layer selection at the top of the Titler+ effect that allows you to select and edit the individual layers.



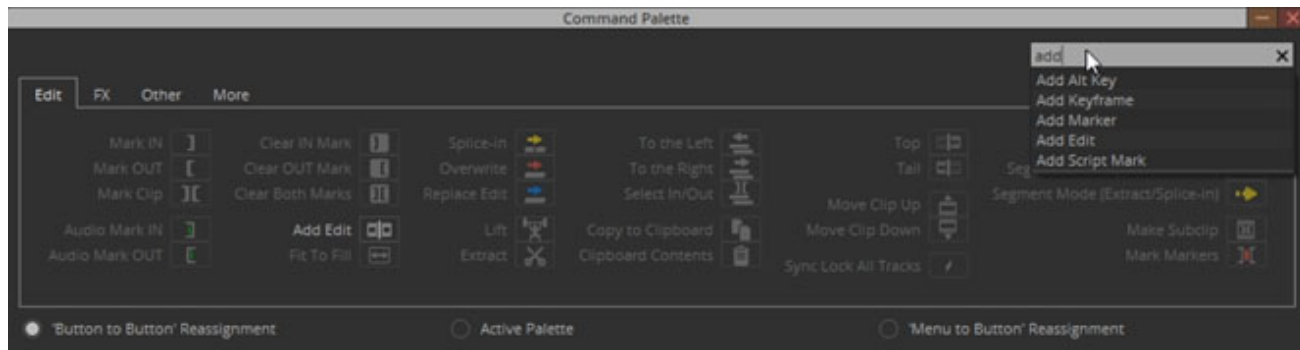
## Command Palette Quick Find

The Command Palette includes a Quick Find field that allows you to search for a particular button on the Command Palette. Simply type in the name of the button for which you are looking.



As you type, the available button options are narrowed down and only the tabs that include possible matches remain open. This allows you to easily access the button you are looking for.





## Update to Media Composer | Enterprise Admin Tool

With the latest update to the Media Composer | Enterprise Admin Tool, we have added a new Roles feature. You can now apply a role to an individual user or group of users. For more details, see the [Avid Media Composer | Enterprise Admin Tool Administration Guide on the Media Composer Documentation Page](#).

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