

Resolume Arena

Auditorium LED Wall and ATEM Content Playback

Purpose: How to operate Resolume Arena, place content on the correct layer, apply the correct size and scale, trigger columns, monitor playback time, and save changes.

Main rule: LED wall content normally uses the LED WALL 3456x1344 layer. Content intended for Online or IMAG uses the ATEM 1920x1080 layer.

Critical Content Settings

Destination	Content	Size	Scale and position
Auditorium LED wall	Full width background	3456 x 1344	Use native composition size
Auditorium LED wall	16:9 video	1920 x 1080	Scale 118.79% Position Y 0
Auditorium LED wall	16:9 video with lower thirds	1920 x 1080	Scale 118.79% Position Y -30
Online or IMAG	16:9 content	1920 x 1080	Scale 100% Position Y 0

Before You Trigger Content

- Confirm the composition shows 3456 x 1344.
- Confirm the intended clip is on the correct layer.
- Make sure B and S are not highlighted green on any layer that should play normally.
- Make sure the M master fader, A audio fader, and V velocity fader are fully up.
- Check the clip size, scale, and Position Y before sending it live.

Workspace Overview

The Resume workspace is organized around layers, columns, clips, the composition controls, and the selected clip controls. The upper monitors show routed outputs and confidence views; the Arena grid is where content is prepared and triggered.

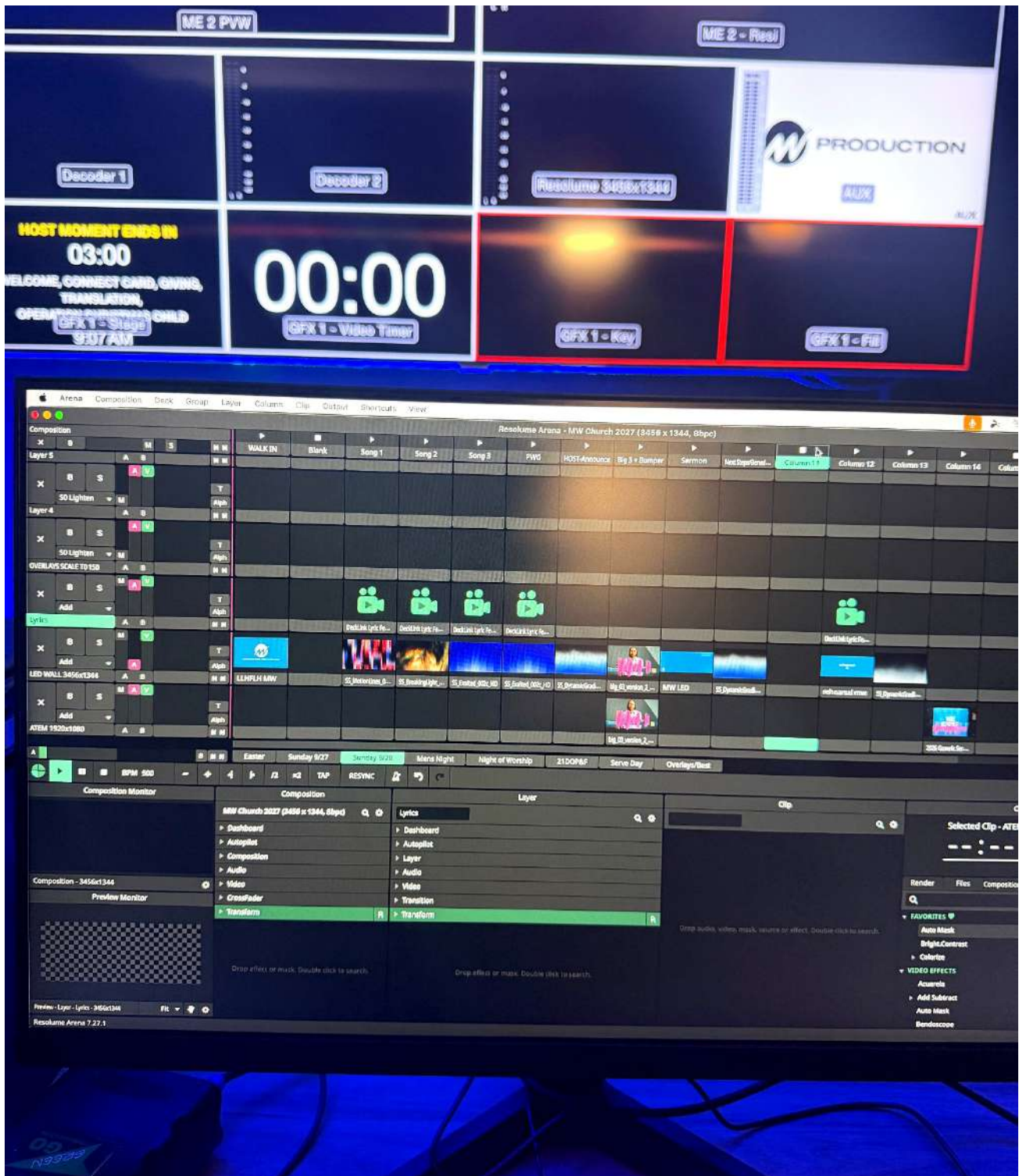


Figure 1 Resolume Arena in the production workspace with routed monitoring above it

Choose the Correct Layer

Layers run horizontally. Content on higher layers can cover content on lower layers. Place each clip on the layer assigned to its destination before adjusting the clip.

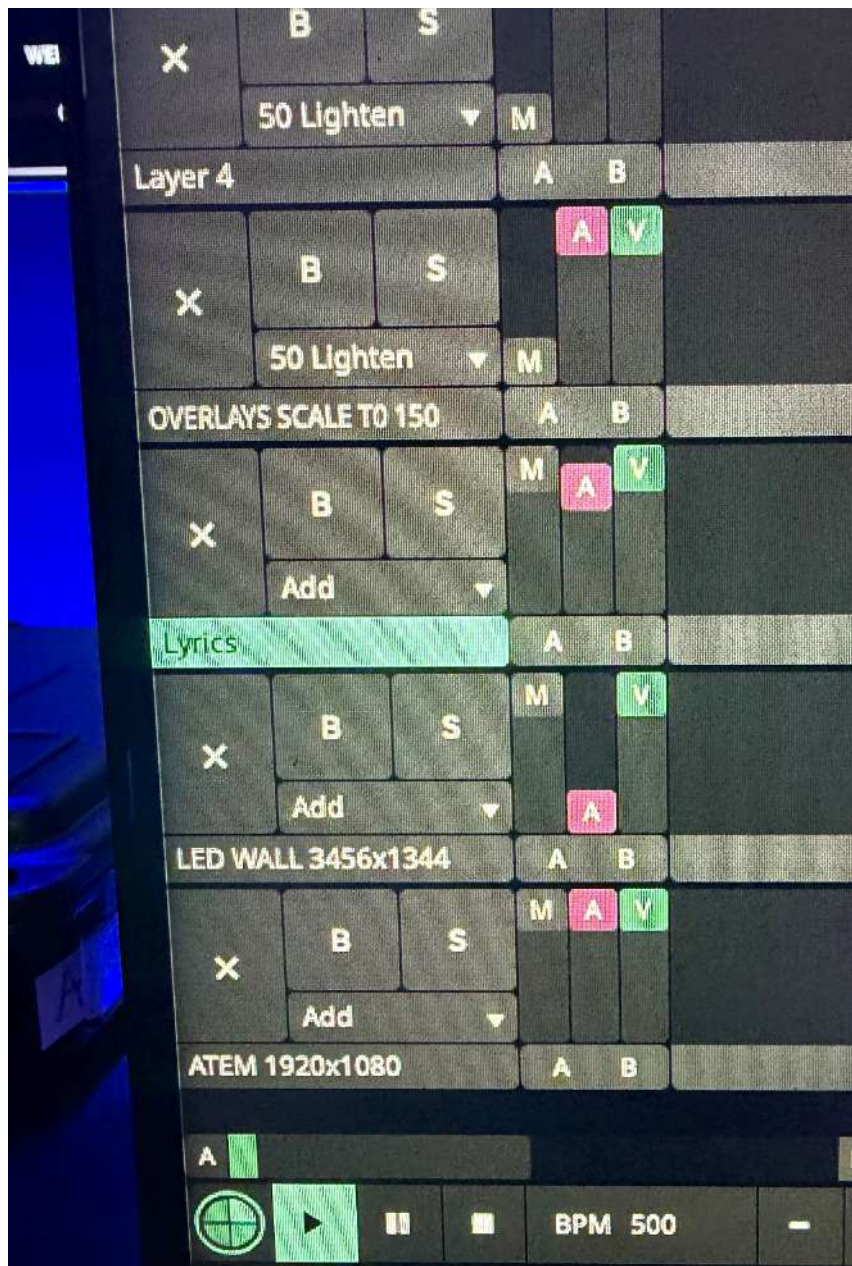


Figure 2 Layer controls and the labeled LED WALL 3456x1344 and ATEM 1920x1080 layers

Layer Control Check

- B is bypass. If B is green, that layer is blacked out or bypassed and will not appear normally.
- S is solo. If S is green, other layers may be hidden while only that layer is shown.
- During normal operation, make sure neither B nor S is highlighted green.
- Keep M, A, and V fully up. Lowering these controls can change the master level, audio, or playback velocity.

Adding Content

Use Finder to locate the media file, then drag it into the clip slot where the desired column and layer intersect.

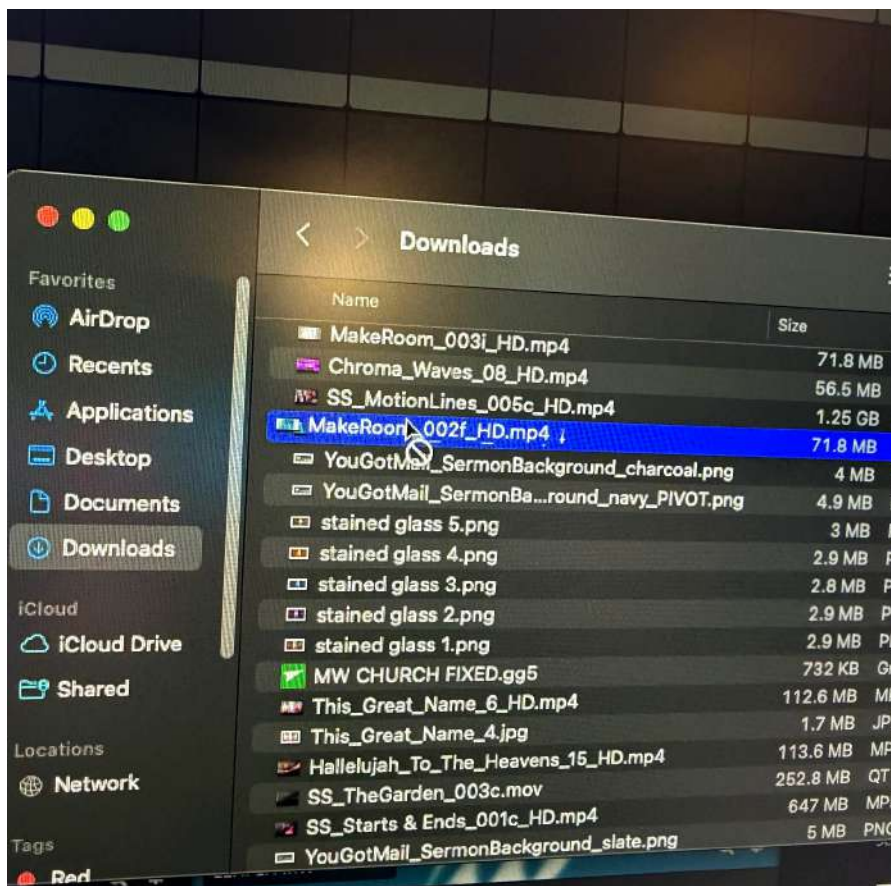
Open Finder and Locate the File

1. Click the Finder icon in the Mac Dock.



Figure 3 Open Finder from the Mac Dock

2. Navigate to the folder containing the item. Downloads is shown in this example.
3. Click the file once and confirm the filename before moving it into Resolume.



Drag the File into the Correct Slot

4. In Resolume, locate the desired column and the correct destination layer.
5. Drag the file from Finder into the empty clip slot where that column and layer intersect.
6. Release the file when the correct slot is highlighted, then confirm the clip thumbnail and filename appear in that slot.

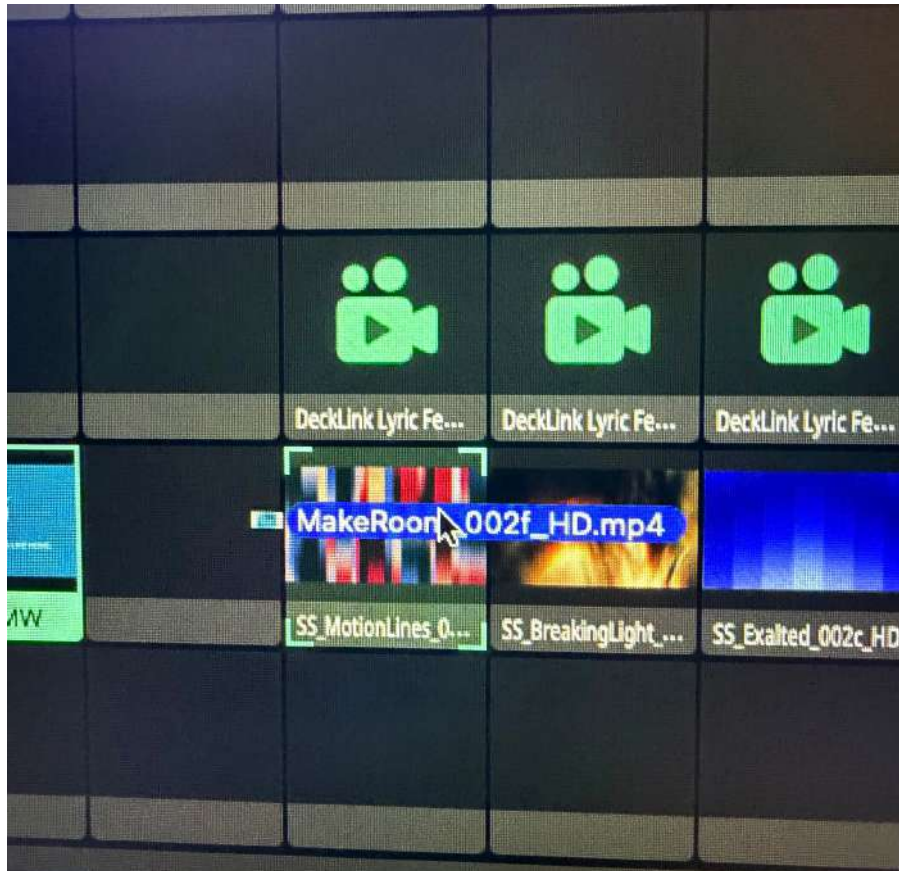


Figure 5 Drop the file into the desired column and layer

Important: Confirm the destination is not live before dropping new content into the grid. After adding the clip, apply the LED wall or ATEM size and scale settings in this SOP.

File location: Resolume links to the file at its Finder location. Move reusable media to its permanent storage folder before adding it, and do not move or delete the file afterward.

Activate a Column

Columns store the content needed for different elements of a gathering or event. Examples may include walk in, songs, host moments, sermon content, or a blank look.

1. Locate the column for the desired gathering element.
2. Verify the clips in that column are placed on the correct layers.
3. Click the play icon at the top of the column to activate the column.
4. Watch the output monitor and confirm the expected content appears before moving on.

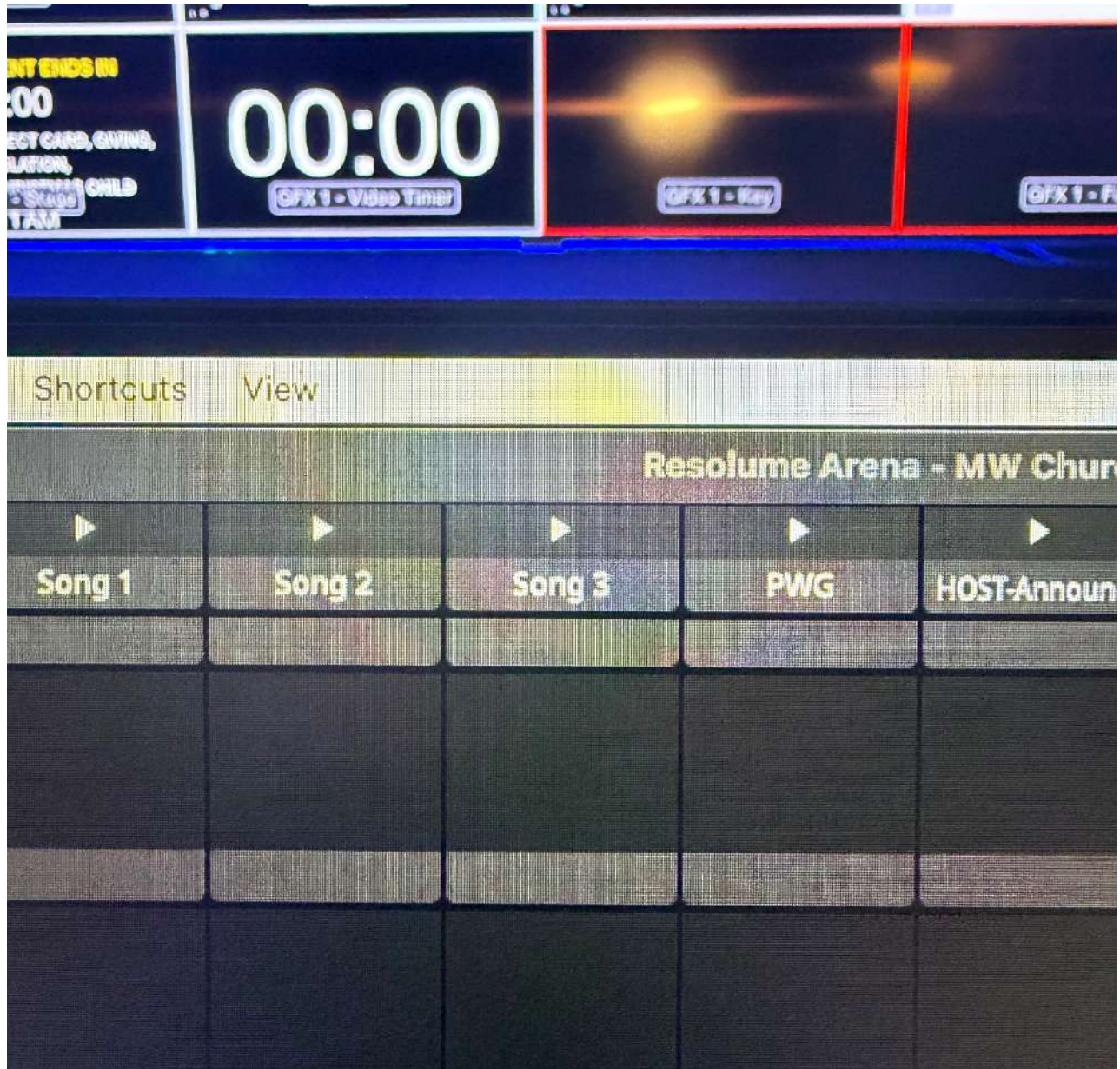


Figure 6 Play icons at the top of Song and program columns activate the clips stored in that column

Important: Triggering a column can start multiple clips across multiple layers at the same time. Confirm the entire column before clicking its play icon.

Set Full Width LED Wall Backgrounds

Most backgrounds for the auditorium LED wall should fill the 3456 x 1344 composition. Use the LED WALL 3456x1344 layer for these clips.

1. Select the background clip on the LED WALL 3456x1344 layer.
2. Open the Clip panel and expand Transform if needed.
3. Confirm the content dimensions are 3456 wide by 1344 high.
4. Preview the result and verify it fills the auditorium LED wall without unintended blank space.

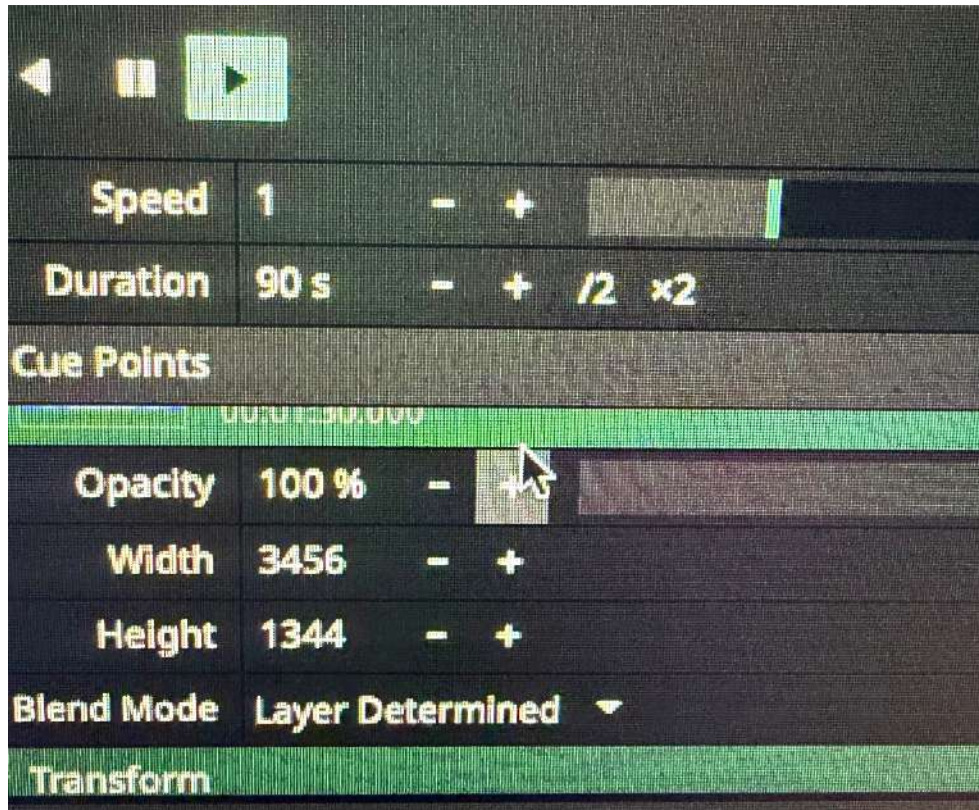


Figure 7 A full width LED wall background set to 3456 by 1344

Do Not Stretch Standard Video to 3456 by 1344

A normal 16:9 video should remain 1920 x 1080 and use the scale setting described in the next section. This preserves the source shape while fitting the wide LED wall look used in this composition.

Set 16:9 Video on the LED Wall

Use these settings for standard 1920 x 1080 videos that play on the auditorium LED wall layer.

1. Select the video clip on the LED WALL 3456x1344 layer.
2. Confirm Width is 1920 and Height is 1080 in the clip controls.
3. Expand Transform and set Scale to 118.79%.
4. Leave Position Y at 0 for the normal centered placement.
5. To raise the video so lower thirds remain visible, set Position Y to -30.

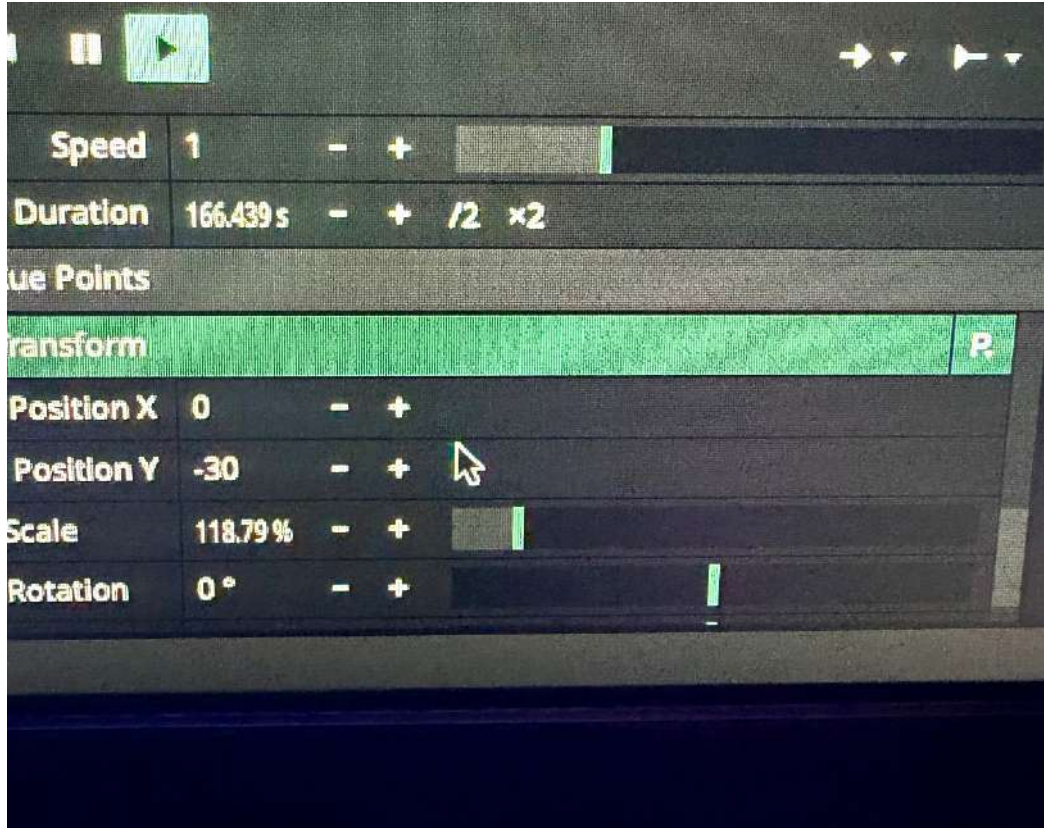


Figure 8 LED wall 16 by 9 video with Position Y at -30 and Scale at 118.79%

Lower third placement: Use Position Y -30 only when the video needs to move upward for lower third visibility. Return Position Y to 0 when the raised position is no longer needed.

Set Content for Online or IMAG

Use the ATEM 1920x1080 layer for content routed to online or IMAG. Standard 16:9 content on this layer stays at its native 1920 x 1080 size and 100% scale.

1. Select the clip on the ATEM 1920x1080 layer.
2. Confirm Width is 1920 and Height is 1080.
3. Expand Transform and set Scale to 100%.
4. Confirm Position X is 0 and Position Y is 0 unless an event-specific layout requires a documented change.
5. Preview the online or IMAG output before triggering the content live.

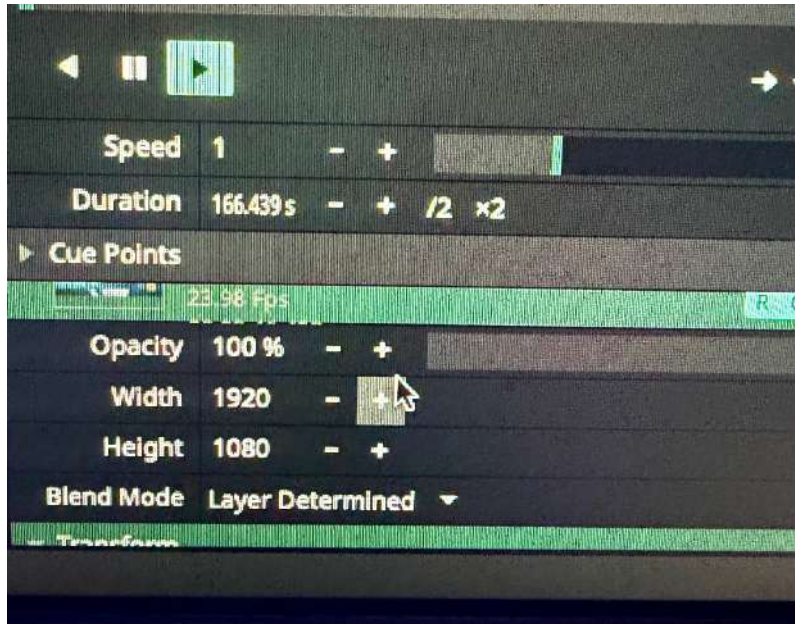


Figure 9 ATEM clip size set to 1920 by 1080



Figure 10 ATEM transform scale set to 100%

Monitor Playback Time

After selecting a video or timed background, use the Clip panel on the right side of the screen to monitor its transport timeline and remaining time. The countdown helps the operator prepare the next column or cue before the clip ends.

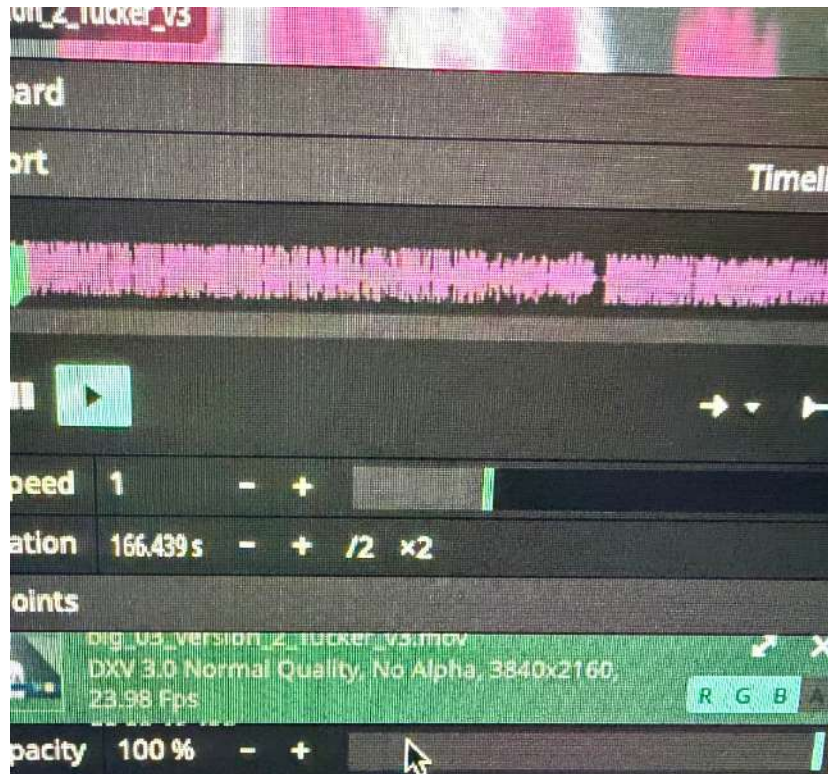


Figure 11 Clip transport timeline and time display in the right side Clip panel

Save Composition Changes

1. After making changes, click Composition at the top left of the screen.
2. Click Save.



Figure 12 Composition menu with Save selected

Operator Checklist

Start of Gathering

- ☐ Correct composition is open and shows 3456 x 1344.
- ☐ Output monitors show the expected routed destinations.
- ☐ LED wall clips are on the LED WALL 3456x1344 layer.
- ☐ Online and IMAG clips are on the ATEM 1920x1080 layer.
- ☐ B and S are not green on active layers.
- ☐ M, A, and V are fully up.
- ☐ The first required column has been checked but is not triggered early.

After Editing Content

- ☐ Newly added content is in the correct column and layer.
- ☐ Clip dimensions match the destination.
- ☐ LED wall 16:9 video uses 118.79% scale.
- ☐ ATEM 16:9 content uses 100% scale.
- ☐ Position Y is 0 unless -30 is intentionally used for lower thirds.
- ☐ Composition changes have been saved.

Quick Troubleshooting

Issue	Check	Correction	Escalate when
Content is black	Check whether B is green on the layer.	Turn B off for normal playback.	Output remains black after layer controls are correct.
Only one layer is visible	Check whether S is green.	Turn S off for normal playback.	Other layers remain hidden after Solo is off.
Video is framed incorrectly	Check layer, dimensions, scale, and Position Y.	Apply the destination settings in this SOP.	Correct settings still do not match the routed output.
Video does not play normally	Check M, A, and V controls.	Return the required controls fully up.	Playback or audio still behaves incorrectly.