Nubart Sync

Instructions for implementing Nubart Sync

Preliminary steps on the Nubart platform

1 - Login en Nubart

Access your Nubart customer area using the Admin invitation link we have provided you with. Save your registration details for future reference.

You can access it whenever you want from www.nub.art/customer/login

In addition to managing Nubart Sync, you can view your audio guide usage statistics and visitor feedback in your Nubart platform (Stats tab).

2 - Invite other employees (optional)

If you are not going to perform the Nubart Sync integration directly, but rather a technician, remember to invite him/her to the Nubart platform as an "employee" with permissions as "Video controller". To do this, go to the Employees tab in the top menu.
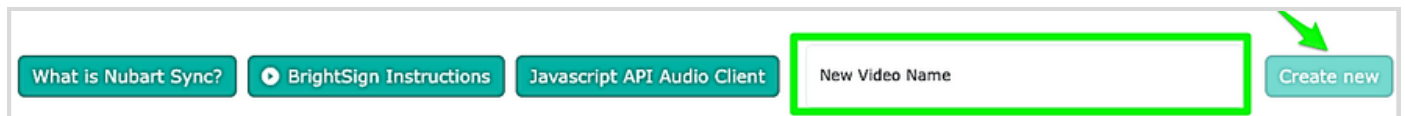
3 - Upload your videos to Assets

Go to Assets and upload one by one the mp4 files of the videos that need to be synchronized. (If this is a demo, you will only be able to upload one for now).

> **PLEASE NOTE:** These are not the final video files that will be published on Brightsign yet. We need these videos for reference and to check synchronization. Therefore, you can upload them watermarked or in low resolution to speed up the process. The important thing is that, beyond the resolution, they are identical in length and content to the videos that will be published on Brightsign.

4 - Create the video instances

Now go to the Video Sync tab from the top menu

Once in Video Sync, type the name of the video instance in New video Name. Then confirm by clicking "Create New"
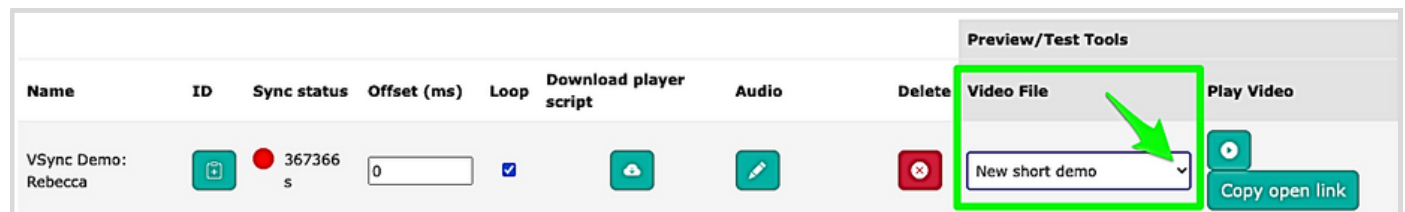

> **ATTENTION:** Our production team is not as familiar with the exhibition as you are. To make it easier to identify the videos, please choose an explanatory name for the video instances. For example, "3-Interview with Picasso" instead of just "3", or "ent-pic". This name cannot be changed.

Next, go to "Video File" and click on the drop-down menu. There you will see the list of all the video files you have previously uploaded to Assets.

Select the video that corresponds to the video instance you just created.

Repeat the process as many times as necessary, creating a new video instance for each video that needs to be synced.

- If you want to play a single video, but with synchronized sound in different languages, you must create only one single video instance.

- If you need to play the same video in two different places, you need to create two different video instances for the same video.

5 - Linking the sound tracks

Before you continue, decide how you want to stream the synced tracks to your audience:

**Option a: One single QR code for all screens, containing all audio tracks.**
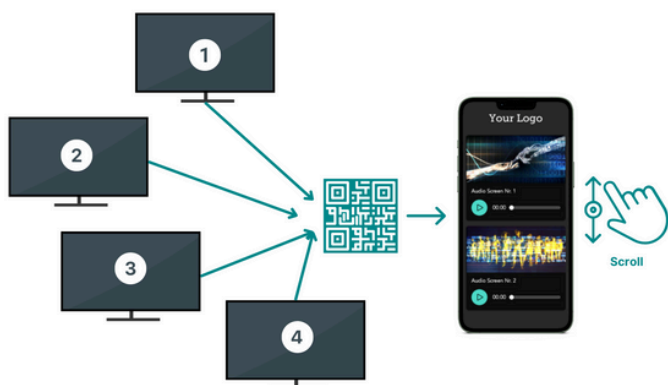
This variant allows you to combine synchronized tracks with other "normal" pre-recorded sound tracks, as well as with any other kind of multimedia elements (videos, images, PDFs...), and integrate everything into a single audio guide.

In that case you only have to upload all the audio guide material in Assets and the project manager we have assigned to you at Nubart will take care of everything else.

**Option c: Hybrid model (mix of option a and b)**

It is perfectly possible to combine both models: a multimedia PWA audio guide containing all the information and, in addition, a QR code next to each screen. Ask us and we will guide you.

**Option b: A different QR code for each screen, containing the corresponding sound track**
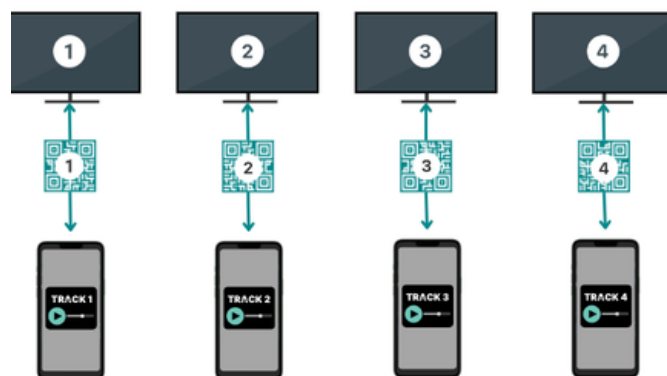
This variant allows you to place a QR code next to each of the screens. The QR code will only give access to the soundtrack(s) corresponding to that specific screen.

You can implement it yourself by following these instructions:
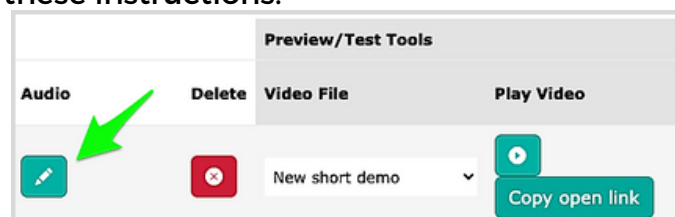
- Click on Audio
- Select the sound track
- Give it a title and assign it a language.
- Add tracks in other languages if appropriate.
- Download the corresponding QR:
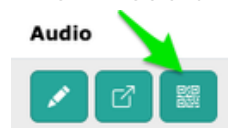
ATTENTION: Soundtracks must be the same length as the video and have a constant bitrate. Please let us know if you need help with this.

6 - Decide on the looping of your videos

Name	ID	Sync status	Offset (ms)	Loop	Download player script	Audio
VSync Demo: Rebecca	📋	🔴 375232 s	0	☑	☁	✏

Uncheck the Loop box if you DO NOT want your video to loop, but rather stop once it finishes playing.
It is important to take this step **before moving on to the next step**, downloading Scripts.

5 - Scripts en HTML

Now it's time to click the Download player script button to download the **videoplayer.html** file that you will need for the BrightSign player.

Name	ID	Sync status	Offset (ms)	Loop	Download player script
VSync Demo: Rebecca	📋	🔴 436500 s	0	☑	☁

This file pairs the local video file and Nubart Sync. It contains a unique token associated with the corresponding video instance.

Publish to BrightSign Player

Before you start

Nubart Sync-enabled BrightSign players require a permanent Internet connection (via Ethernet cable or WIFI) in order to be able to communicate regularly with our system. The bandwidth required is very low, as the video file is played locally.

On the Video Sync tab of our platform you will find a button called **Brightsign Instructions**. That button will trigger a video explaining the process step by step. We recommend you watch it to familiarize yourself before continuing.

1- Rename the video you want to post as "video.mp4"

Two files need to be published on the Brightsign device: both the **videoplayer.html** file you previously downloaded and the local video file you want to publish. Rename this file to **video.mp4**.

Important: These two files must <u>always</u> be called **videoplayer.html** and **video.mp4**.
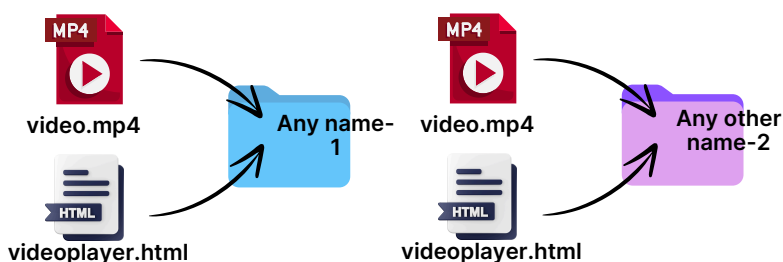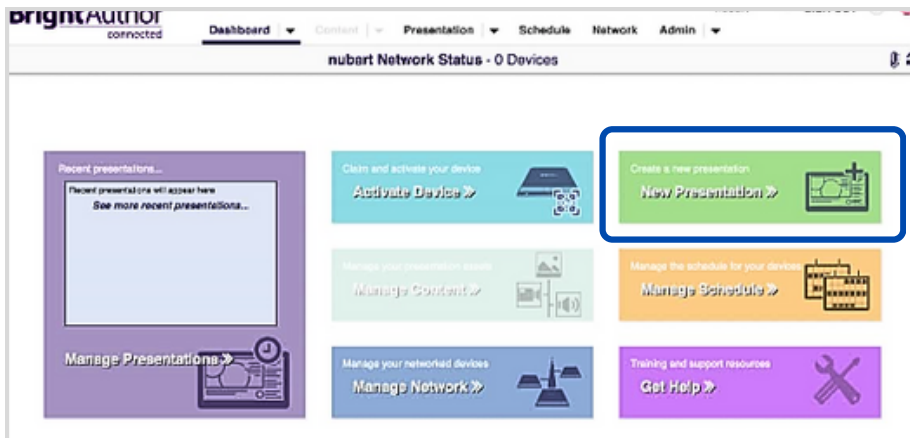
Place the two files **videoplayer.html** and **video.mp4** in a folder that contains nothing else.
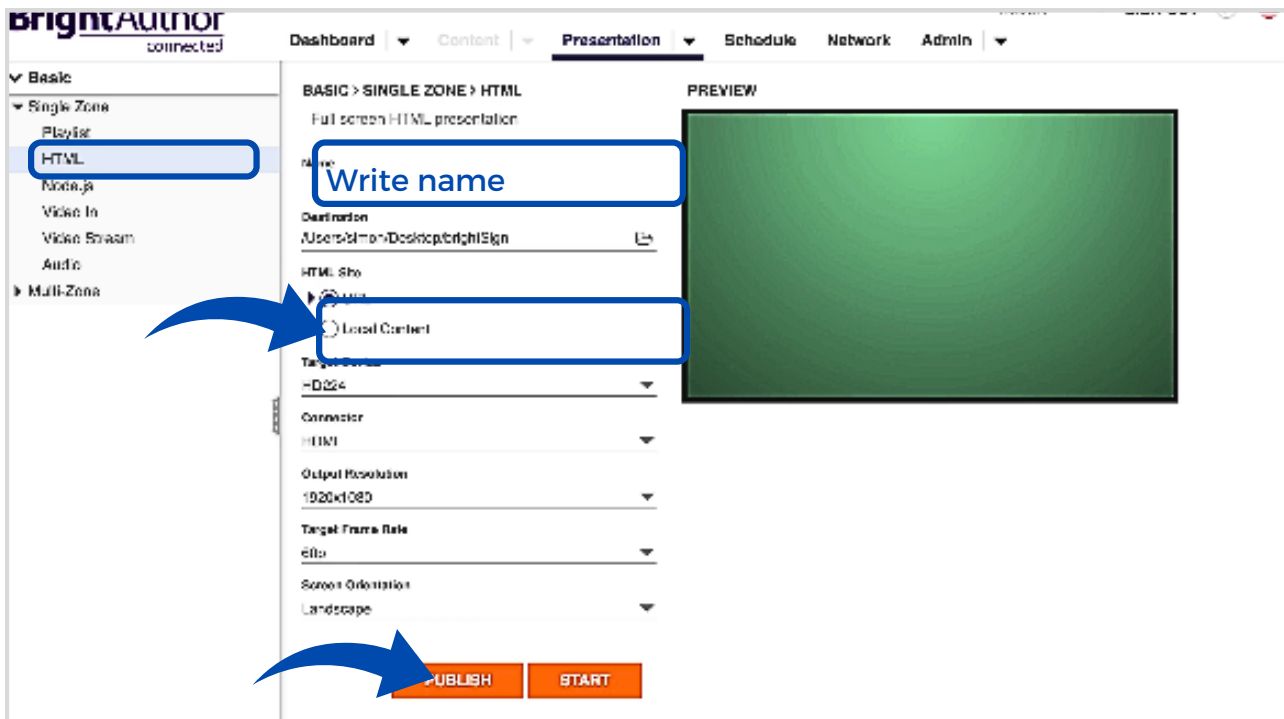
Give this folder a name of your choice. The folder name will help you keep the files organized and identify them when you publish them.
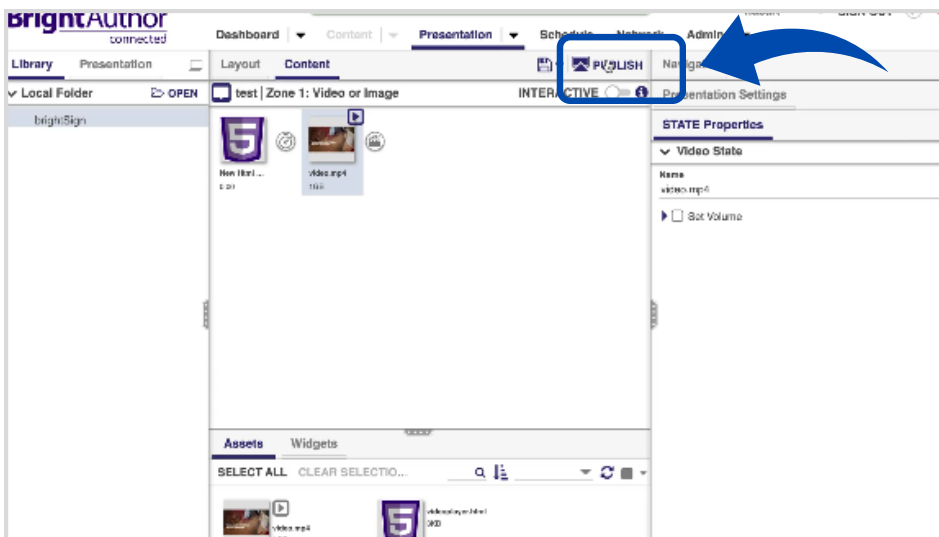
2- Publish the video on Brightsign Author

Log in to your Brightsign Author account. Select New Presentation.

Click on HTML, give the post a name and click on local content

The file chooser on your hard disk opens. Browse to the folder you prepared earlier and select the videoplayer.html file you want to publish.

Then click on the orange PUBLISH button.

Before continuing, make sure you can see the two files in the Contents tab: **video.mp4** and **videoplayer.html**.

Select the video and click on Publish (top right).
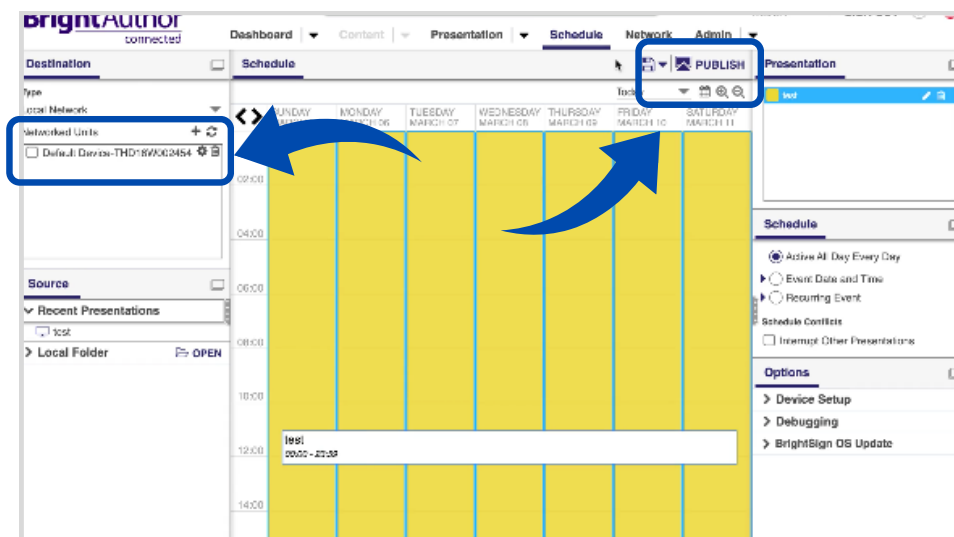
Now select your device.

Click Publish again.

Repeat the above process with all your videos.

Final checks

Sync Status

Once the video is playing in the BrighSign player, the indicator in the Sync Status column turns green and displays the seconds since the last sync signal was received by the player. Refresh the page if you want to update this information.

Name	ID	Sync status	Offset (ms)	Loop	Download player script	Audio
Poliédrico ESP-CAT-ENG - Barcelona	📋	🟢 9 s	0	☑	☁	✏
Movilidad reducida - Barcelona	📋	🔴 1335 s	0	☐	☁	✏

ATTENTION: If the video is NOT looping, but is activated occasionally, it is normal for the traffic light to be red frequently.

The Sync Status traffic light allows you to regularly check that everything is working well, even remotely.

Offset

In some cases, there may be a slight latency in the synchronization between video and audio, especially noticeable when the video has people speaking and lip sync is required.

This latency is due to a time delay caused by the combination of the BrightSign player, the display, and the HDMI cable. This latency is a stable value, but will vary from installation to installation and must be adjusted.

Stand in front of the screen and open the audio tracks on your smartphone. Have a tablet or laptop at hand to open the Nubart Sync platform as well.

Enter an offset value (ms) for each affected video timing input. Then refresh the page on your smartphone and play the audio track again. Increase or decrease the offset value as needed. You can enter both positive and negative values. Repeat these steps until you are happy with the timing.

Name	ID	Sync status	Offset (ms)	Loop	Download player script	Audio
Poliédrico ESP-CAT-ENG - Barcelona	🗐	🟢 9 s	0	☑	☁	✏
Movilidad reducida - Barcelona	🗐	🔴 1335 s	0	☐	☁	✏

You are done!

Please write to us at info@nubart.eu if you need any help now or in the future.

Overview of Nubart Sync + Brightsign:
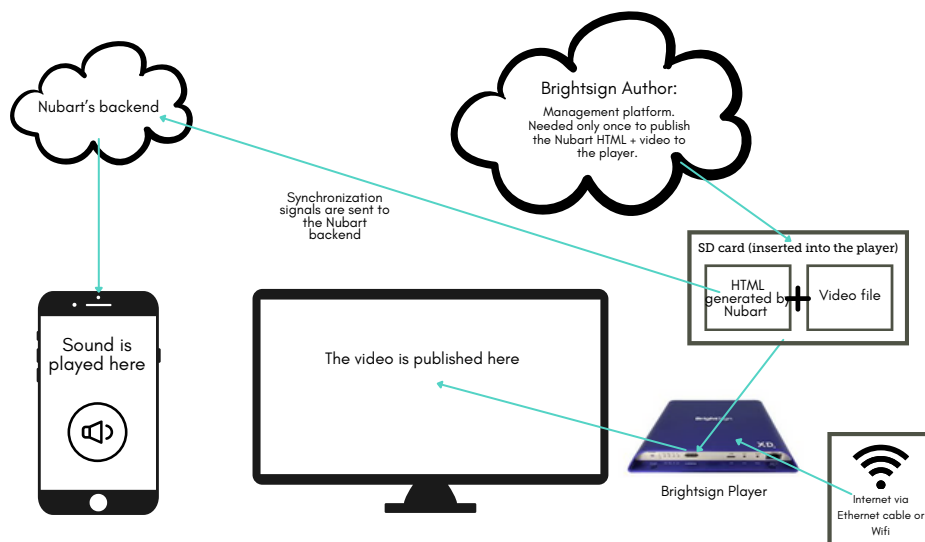
Not using Brightsign?

Nubart Sync can also be used on many other systems similar to Brightsign, or from any modern Chromium-based browser.

You may be able to successfully adapt the instructions here to your particular case. If not, contact technical support for the system you are using to learn how to publish video from an HTML script.

If your facility has more complex audiovisual systems, such as mappings, micromappings, or projections, your audiovisual integrator can use our Web API directly. Write to us!