

NUMMAX MANAGER AIO

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Introduction

Operation

Nummax Manager AIO is online software designed to manage and distribute content on your digital display or interactive terminal.

It is accessible from any computer or mobile device connected to the network, and is used to upload media and create your broadcast schedule.



Any type of Nummax AIO terminal will communicate with the software on our servers to download its programming and the broadcast content.

Your terminal can then display your content even in the event of a network outage.

Nummax technical support



You can contact our technical support for any software or technical questions at:

1-877-255-3471, ext. 205

Service in English and French available from 8:00 am to 4:30pm EST.

File preparation

Before you begin, it's important to understand that Nummax Manager AIO is not computer graphics or video editing software.

All your content must be created, prepared and optimized before uploading it to Nummax Manager.

To learn more about content creation, read the [Produce your content](#) section.

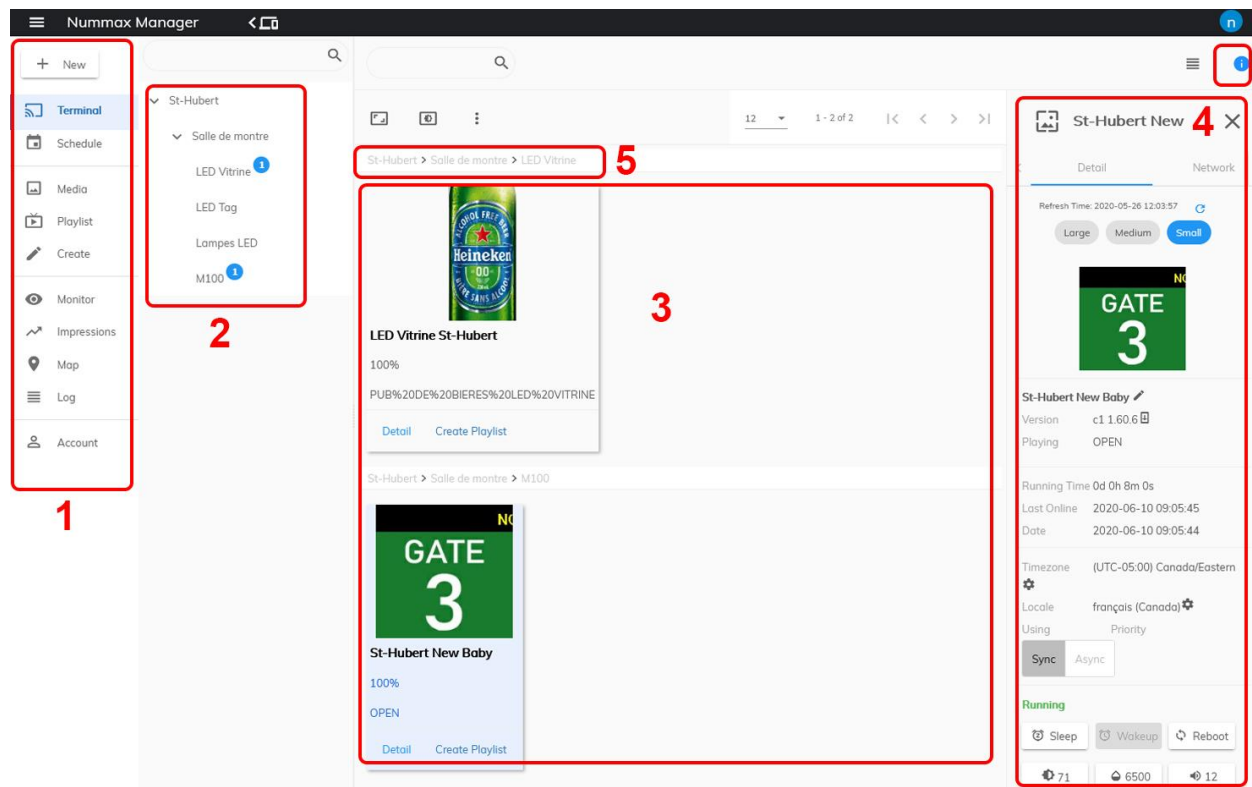
Nummax Manager AIO account

Use the credentials provided by Nummax to access the system through this URL address:
<https://NummaxManagerAIO.com>

Home page

Nummax Manager AIO's simplified interface helps you handle things quickly.

1. The main functionalities menu is on the left
2. Access to your terminal groups
3. The main workspace
4. The information is activated on the right
5. The breadcrumb indicates in which terminal you are working at all times.



Create your terminal groups

By convention, all Nummax AIO products connected to your account will be called "Terminals."



Nummax AIO Products

= **TERMINALS**

Whether you have several terminals for your business or you are a reseller of Nummax products, creating terminal groups will help you stay organized when managing broadcasts and users.

There are 2 ways to organize your groups:

Example 1

If you only manage terminals for your company, you will only need to create groups by type of terminal.

My Business



My Outdoor Displays



My Indoor Displays



My Kiosk



My LED Ring Lamps

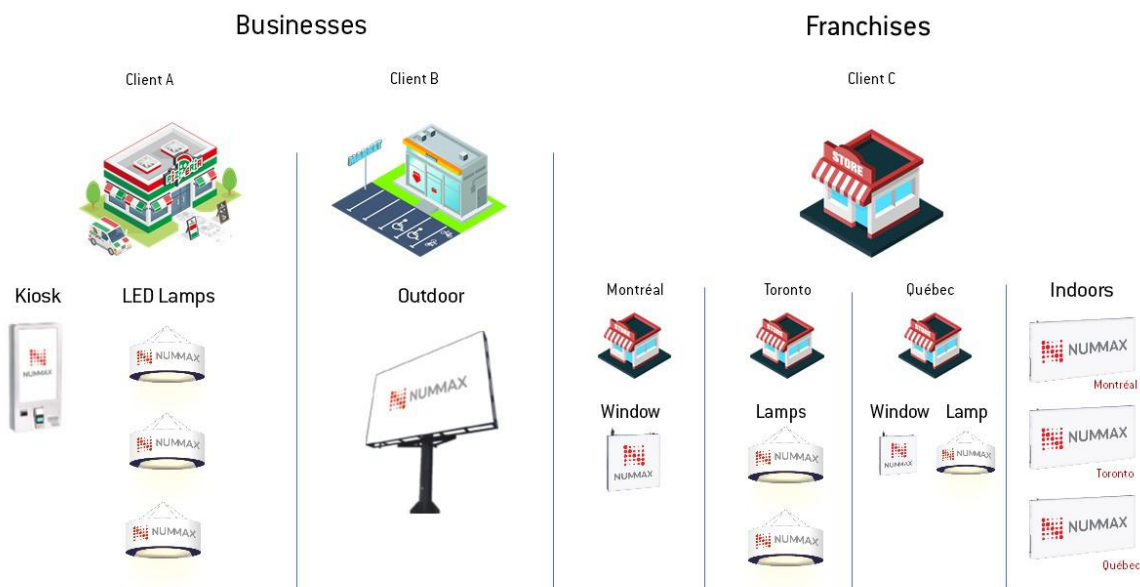


Example 2

If you manage various clients that have different locations and different terminals, then you will need to make groups and sub-groups to respect this hierarchy:

- One group per client type (example: SMEs, Franchises)
- Within which there is one group per client
- Then a group by type of terminal. But it can also be a group by location, and each then contains its types of terminals.
- Lastly, you can also create a group that contains a specific type of terminal from all locations.

Terminal Groups



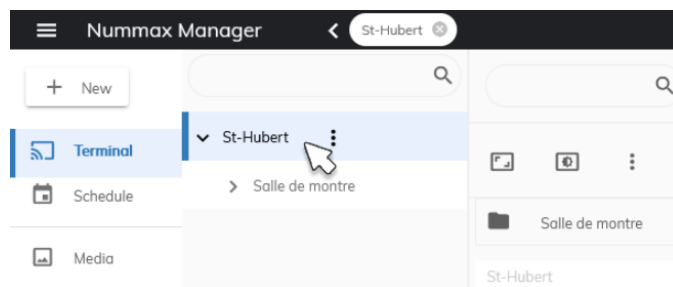
The goal is to facilitate management of your terminal fleet and to be able to easily send programming to an entire group.

Important: You are always able to send a single program to a single terminal.

Create a new terminal group

Login to your account.

1. In TERMINAL, click on the root group, which must be that of your company.



2. Click on NEW then TERMINAL GROUP

Connect and configure your terminal

To program content into your terminal, it must be connected to the network and recognized by Nummax Manager.



Connect your terminal to your router (wired connection)

Connect an ethernet rj45 network cable between your terminal and your router.

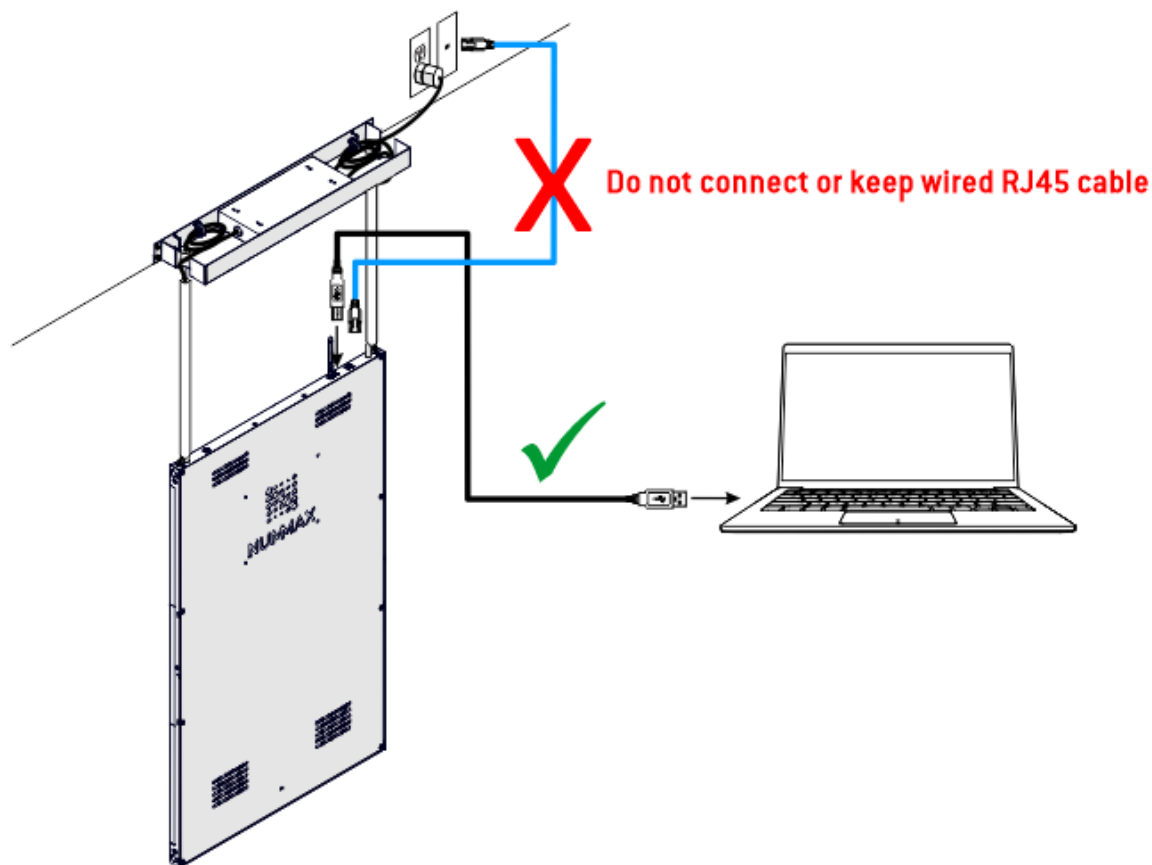


✓ **After a short moment, your terminal will be automatically connected to the network and accessible by Nummax Manager.**

Connect your terminal to your WiFi

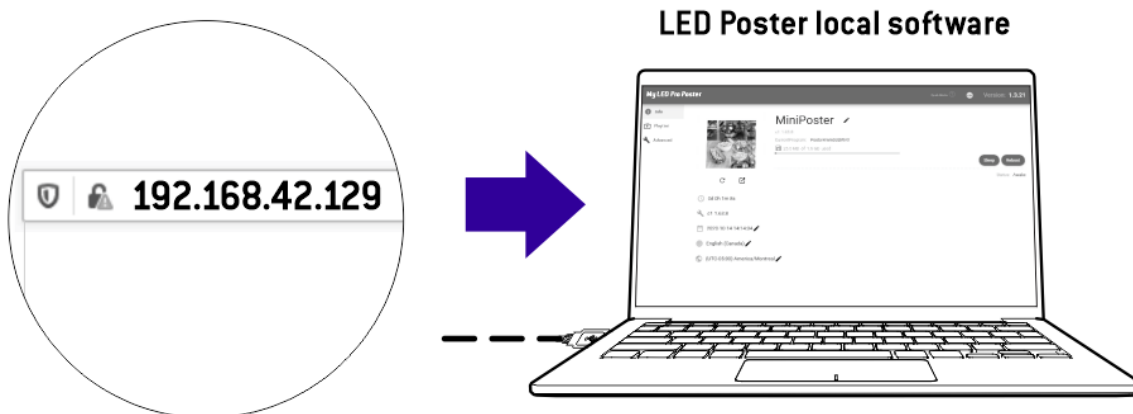
Connect a computer to your terminal with the USB cable supplied with your Nummax product.

Do not keep or plug in an rj45 ethernet cable at the same time.



On the computer, open the web browser and enter the IP address: **192.168.42.129**

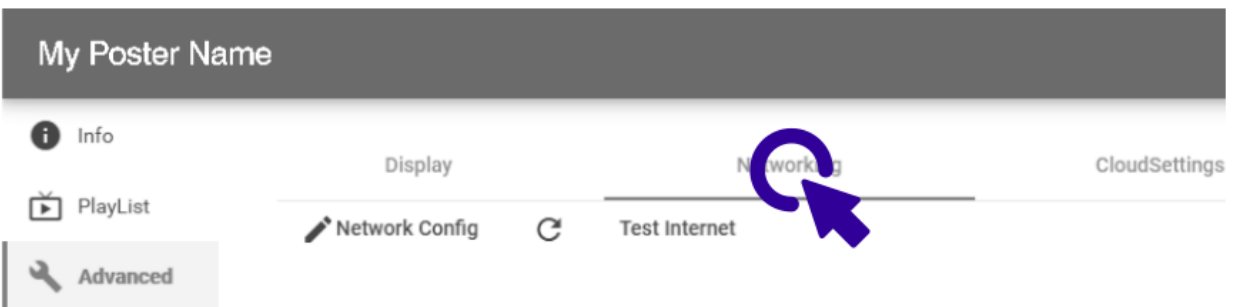
This allows you to access the terminal local software.



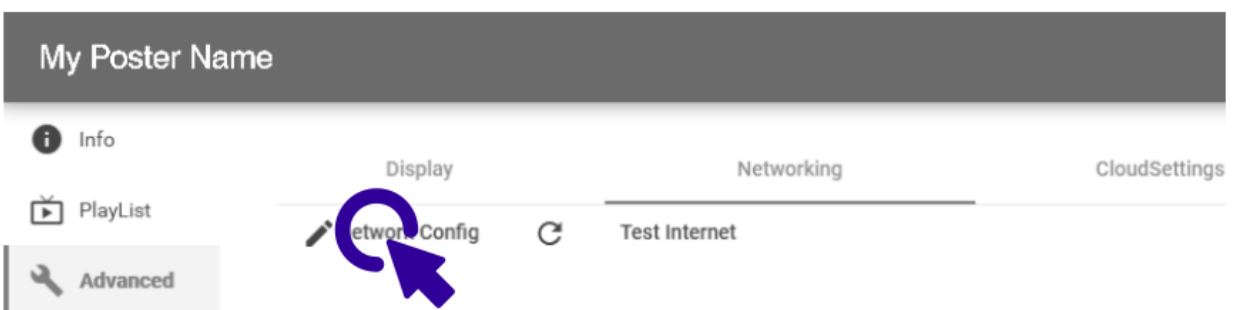
In the left menu, click on **Advanced**



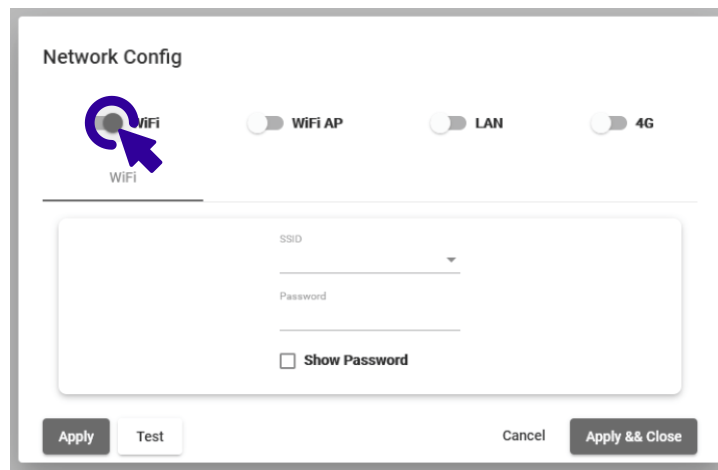
Click on the **Networking** tab.



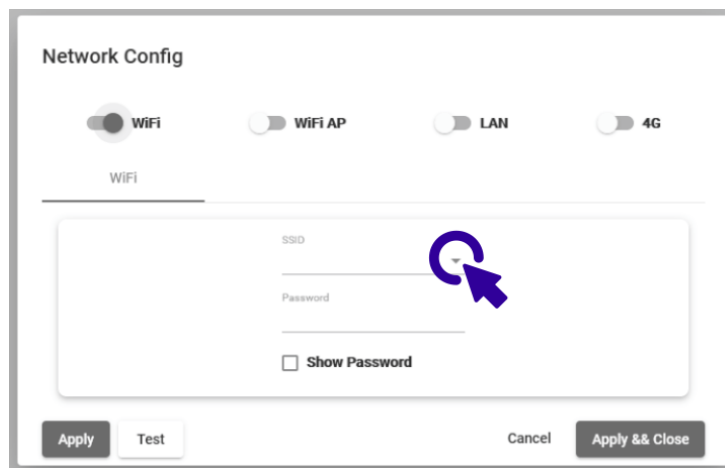
Click on **Network Config**.



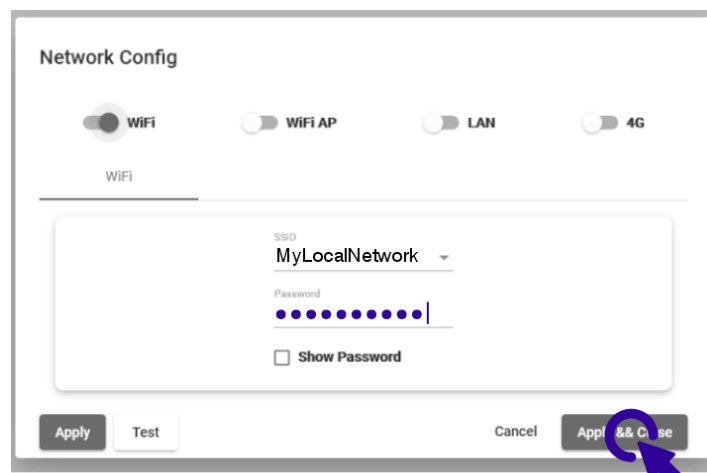
Activate the **Wifi** option.



Click on the right arrow to choose your network.

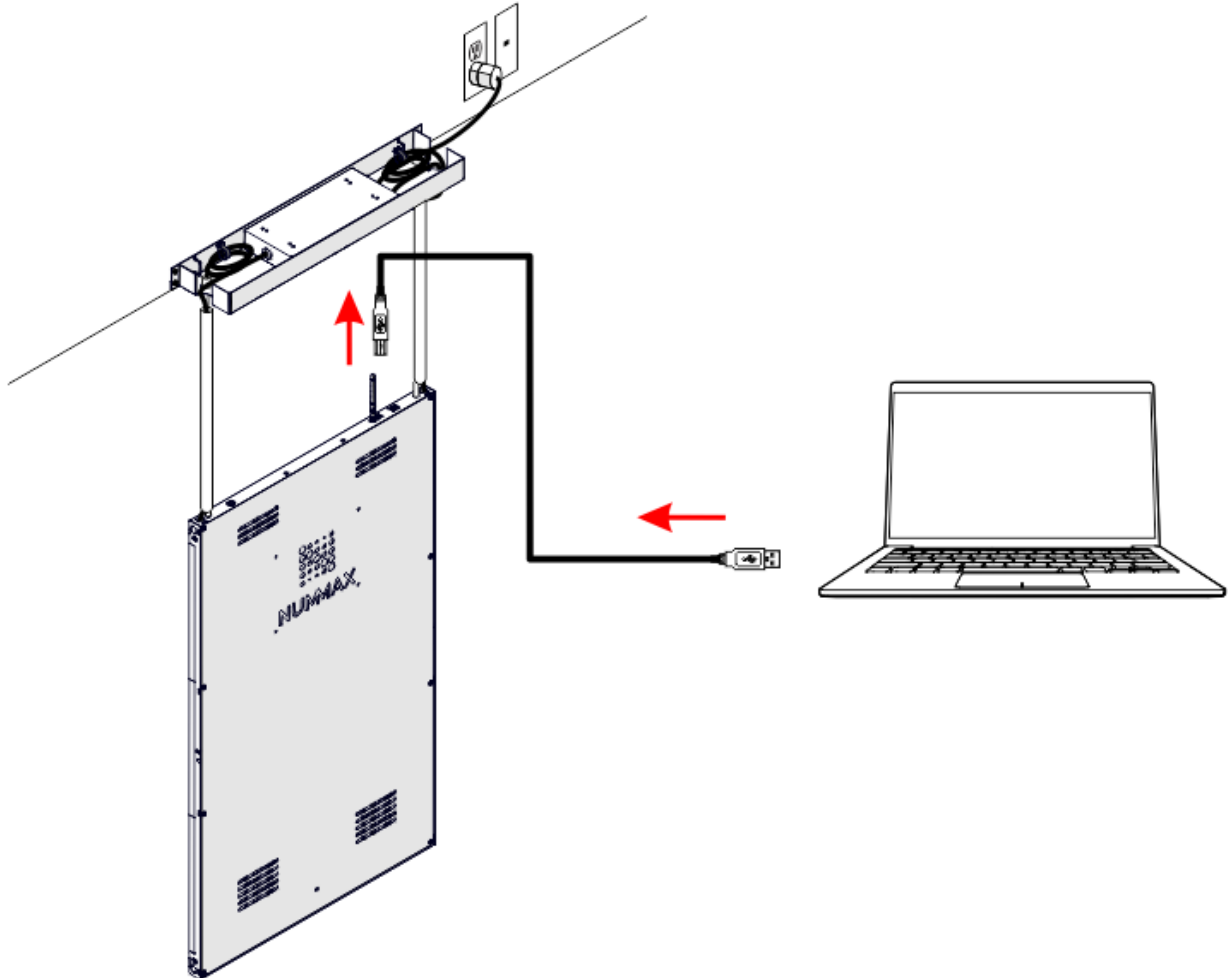


Enter the **password** for your local network and click **Apply & Close**.



FOR YOUR SAFETY, DO NOT CONNECT YOUR TERMINAL TO THE SAME NETWORK AS YOUR YOUR CLIENTS USE, OR TO A PUBLIC NETWORK!

Unplug the USB cable.



✓ **Your terminal is now connected to your wireless network.**

Info:

Depending on the distance between the terminal and the router, it may be beneficial to install an antenna to improve network reception.

Create user accounts

In Nummax Manager, you can create accounts for each of your clients and colleagues. Each account is assigned a role to define its scope.

Each account is assigned to a terminal group.

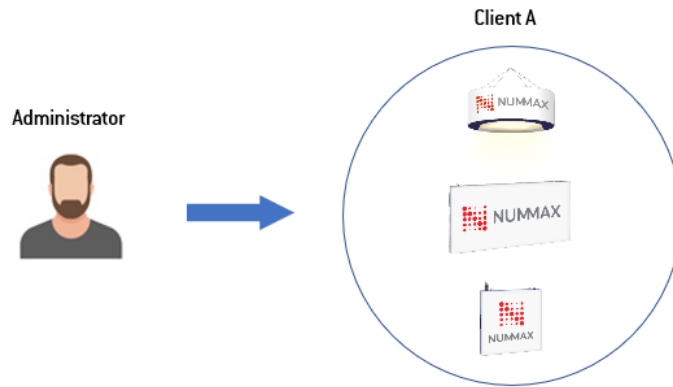


Table of roles and functions

The **Administrator** is the role that provides access to all the functionalities of its terminal group. This role is granted to Nummax partners, client owners or technicians responsible for terminal maintenance.

Important: Avoid granting this role to external or occasional service providers.

The **Playlist Editor** can upload media and prepare playlists.

The playlists are then submitted to the Administrator or Auditor for approval. Only the Administrator can schedule the playlists in the calendar.

The Playlist Editor role is generally granted to someone responsible for advertising campaigns or a marketing agent.

The **Monitor** oversees the uploaded media. This role is for someone responsible for marketing.

The **Media Editor (Invitee)** is a role for your graphic designer or communication agency because their scope is limited to uploading images and videos prepared for the terminal.

The **Auditor** is the person who approves the playlists, like the Administrator. This role is for someone responsible for marketing.

Here are the different functionalities available for each user role.

	Administrateur	Editeur de listes	Superviseur	Editeur de medias	Auditeur
	Administrator	Playlist Editor	Monitor	Invitée	Auditor
Terminals					
Add a terminal	✓	x	x	x	x
See the map of terminals	✓	x	x	x	x
Create terminal groups	✓	x	x	x	x
Terminal control					
Monitor the terminal	✓	x	x	x	x
See general details (network, current playlist, preview)	✓	x	✓	✓	x
Add alert emails	✓	x	x	x	x
Get alerts by email	✓	x	x	x	x
Control the terminal (Sleep mode, reboot, brightness,...)	✓	x	x	x	x
User accounts					
Create subsidiary user accounts	✓	x	x	x	x
Gestion-modification des comptes subsidiaires	✓	x	x	x	x
Access to personate a subsidiary account	✓	x	x	x	x
Choice of the user interface language	✓	✓	✓	✓	✓
Library and playlists					
Add media	✓	✓	✓	✓	x
Media management	✓	✓	✓	✓ Uploaded content	x
Create playlists/templates	✓	✓	x	x	x
Publish playlists/templates	✓	✓ Administrator approval required	x	x	x
Content/playlists control and approval	✓	x	x	x	✓
Programming in the schedule					
Program commands in the schedule	✓	x	x	x	x
Program broadcasts in the schedule	✓	x	x	x	x
Statistics	✓				
Access to broadcast statistics	✓	x	x	x	x
See impression reports	✓	x	x	x	x
Download the impression reports	✓	x	x	x	x
View event logs	✓	x	✓	x	x

In summary:



Administrator

Full authority over the terminal group assigned to them

Ex: Nummax partner, client owner, maintenance technician



Playlist Editor (recommended for external graphic designer)

Prepares playlists

Ex: Campaign managers, marketing agent



Monitor

Oversees uploaded media

Ex: Responsible marketing



Media Editor *Invitee* (recommended for external graphic designer)

Uploads media into the library

Ex: Graphic designer, communications agency, marketing agency



Auditor

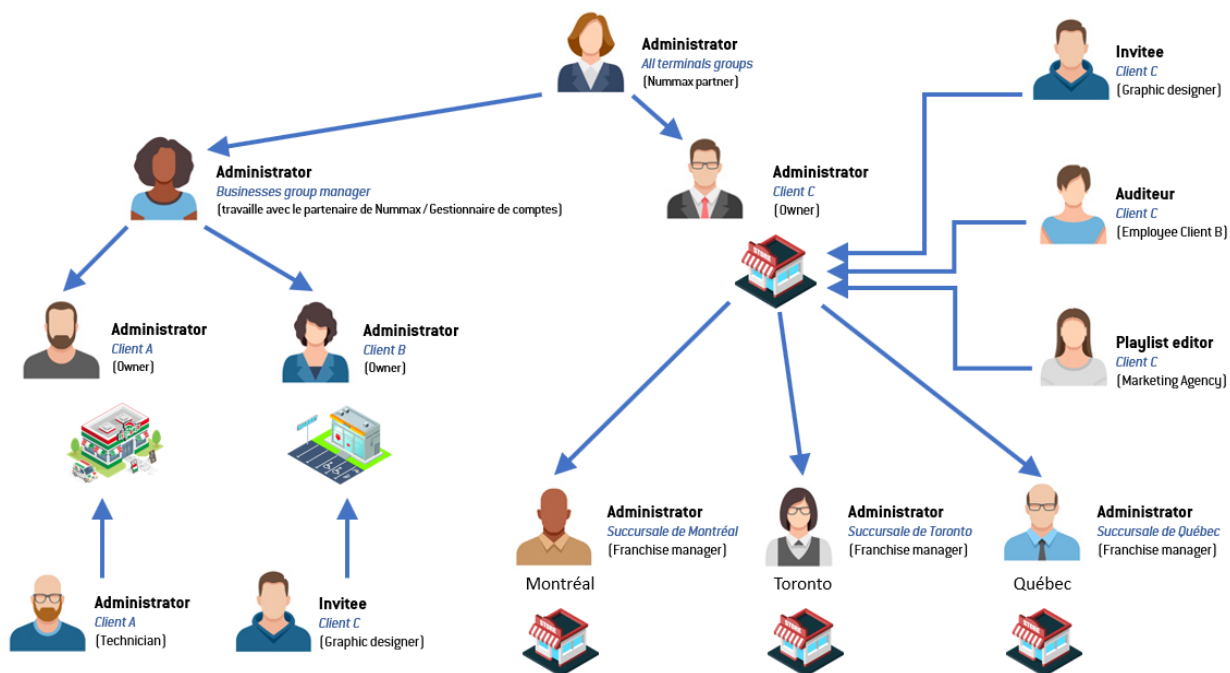
Oversees prepared playlists

Ex: Marketing manager

Example of role hierarchy

Assigning roles and access is part of creating terminal groups.

Here is an example based on terminal groups created in the [Create terminal groups chapter, example 2](#).



First there is a Nummax partner Administrator or client owner.

Who grants other Administrators access to client terminal groups.

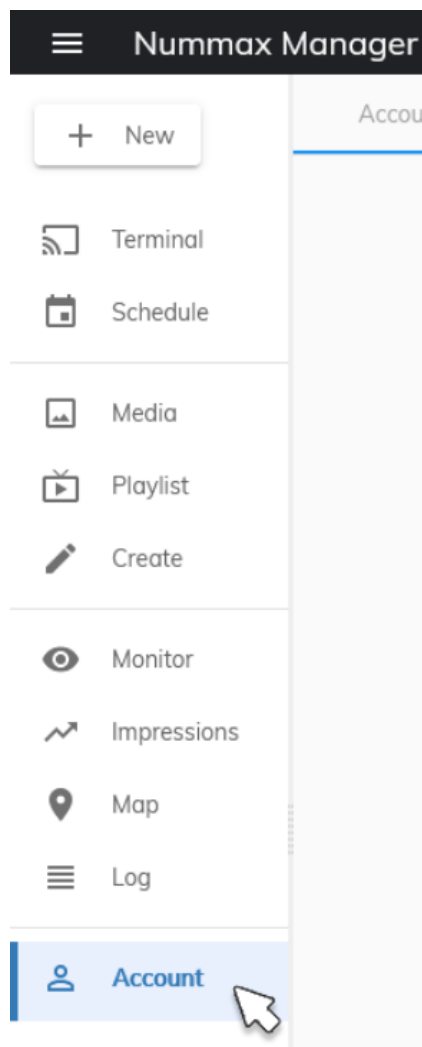
They, in turn, can grant subsidiary Administrators access by client, location or group by type of terminal.

Lastly, there are those with limited access, such as graphic designers, marketing agencies or employees, as well as maintenance technicians with an Administrator access that provides all rights associated with the account.

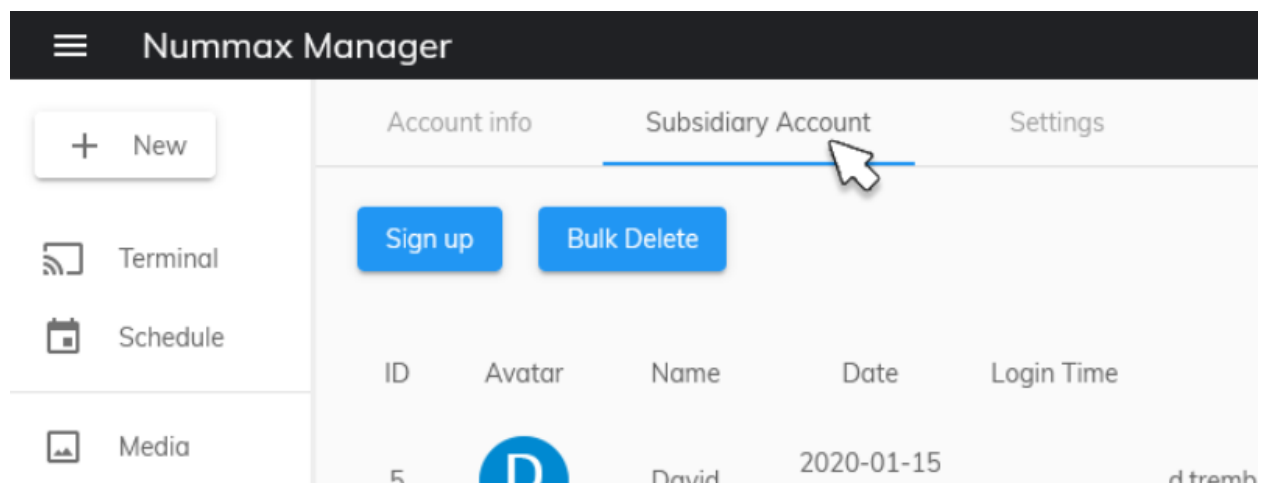
Create a user account in Nummax Manager AIO

Log into your account.

Click on ACCOUNT.



Click on SUBSIDIARY ACCOUNT in tabs at the top.



Then on SIGN UP in the upper left.

Account info						
Subsidiary Account						
Settings						
About system						
<div>Sign up</div> <div>Bulk Delete</div>						
ID	Avatar	Name	Date	Login Time	Email	Group
5		David	2020-01-15		d.tremblay@nummax.com	LED Vitrine

Enter the information, the role, and most importantly; the group to which this account is attached.

Confirm by clicking SIGN UP.

Sign Up Subsidiary Account:

User Name

BruceDickinson

Enter your email *

bruce.dickinson@demo.com

Enter your password

●●●●●●●●



Role

Administrator



Group:

LED Tag

Change Group

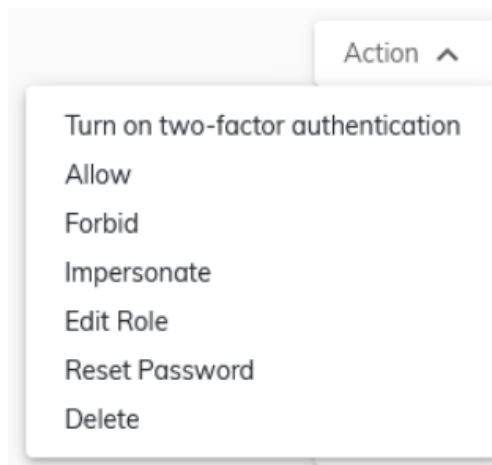
Cancel

Sign up

This person will now have access to this terminal group.

User management

Here are the functionalities In the ACTION section:



You can ACTIVATE or DEACTIVATE (allow - forbid) an account.

When the account is forbidden, the user can no longer access Nummax Manager.

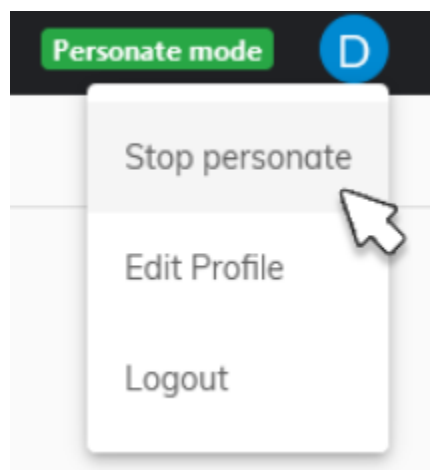
You can DELETE the account, RESET the password, EDIT the role and also IMPERSONATE the account.

Personate a user account

The personate function allows you to enter this account as if you were its user.

With this function a “Personate mode” warning appears at the top right.

To exit this mode, click on the avatar in the upper right and choose STOP the Personate mode.

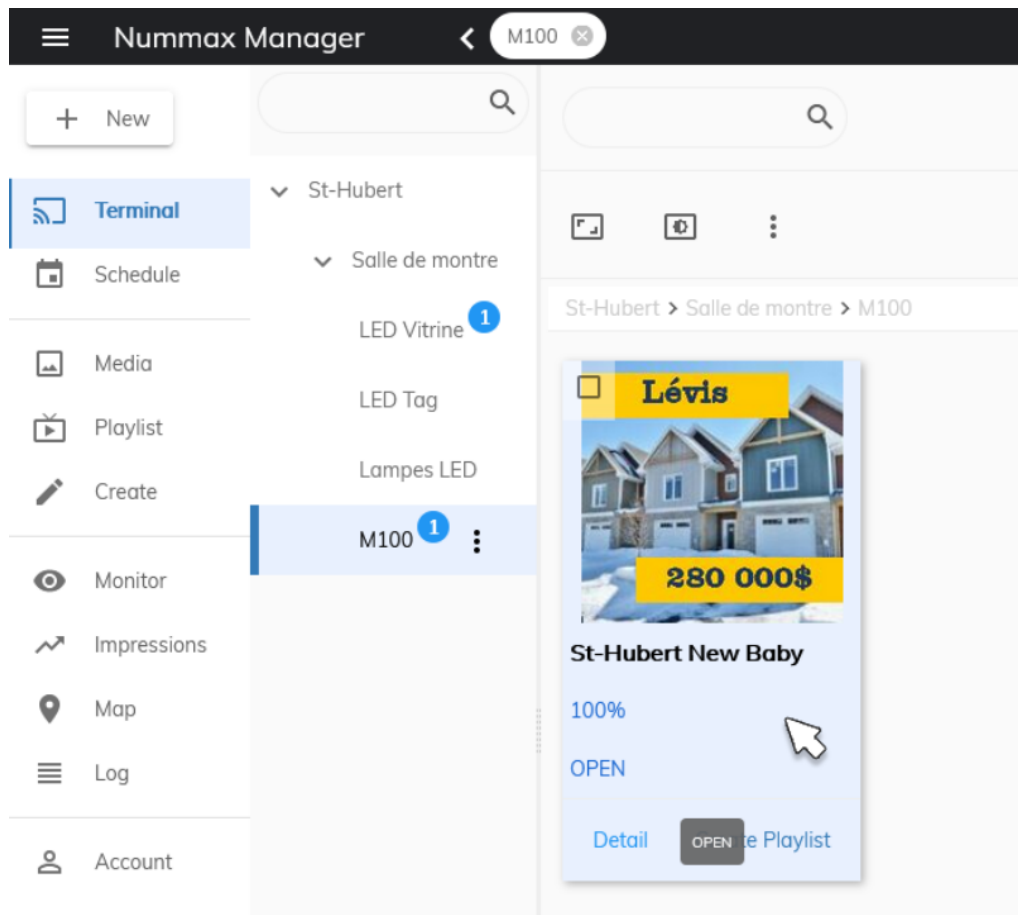


Monitor your terminal

In Nummax Manager, if you have Administrator status, you can monitor your terminal in real time and control certain parameters. This provides great flexibility in technical intervention.

Access the terminal information

Click on TERMINAL then double-click on the desired terminal.



If one of the functions (tab) is not activated, you just have to activate it on the appropriate page.

Moss Ring Demo



The terminal has no coordinates. [Add coordinates](#) for it.

The first page in DETAIL provides a sample capture of the last recorded broadcast that you can easily refresh.

1. Information tabs on the terminal
2. Terminal visual indicator with refresh button
3. Terminal control access buttons (Reboot, Sleep, Wakeup, Brightness, Colortemp, Volume)
4. Terminal storage indicator

St-Hubert New Baby

Detail Network Playlist Schedule Monitor Impressions Map Log

Refresh Time: 2020-06-11 14:21:31

Large Medium Small

Lévis
280 000\$

St-Hubert New Baby

Version	c1 1.60.6
Playing	OPEN
Running Time	0d 0h 25m 53s
Last Online	2020-06-11 14:35:13
Date	2020-06-11 14:35:11
Timezone	(UTC-05:00) Canada/Eastern
Locale	français (Canada)
Using	Priority Sync Async

Running

Sleep Wakeup Reboot

71 6500 12

Storage:5.48G Available:5.37G

In addition to the different information, you can instantly put the terminal into Sleep mode, wake it up, reboot it and adjust its brightness, colour and sound volume. (option).

- NETWORK displays the terminal's connection status.
- PLAYLIST displays the playlist(s) in memory and those currently being broadcast.
- SCHEDULE is used to work on programming.
- MONITOR provides information about the terminal's environment (temperature, humidity, external brightness, etc.) but these functions are only active if your terminal is equipped with the necessary sensors.
- A major feature for your maintenance technician is alarm activation (see the chapter below to configure alerts).
- IMPRESSIONS tells you how many times each content element has been displayed. An impressions report can be downloaded in Excel format for the period you have defined.

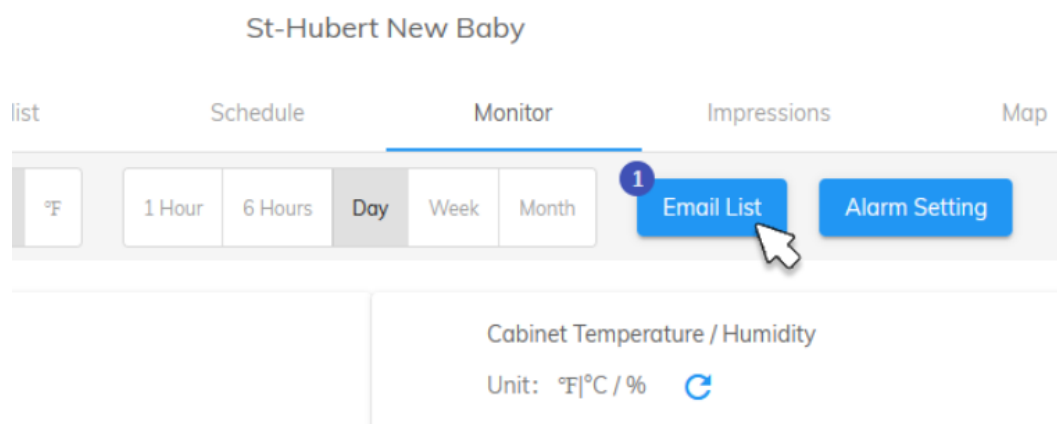
This functionality is essential for all marketing managers and when selling advertising space.

- In MAP, you can view the position of your terminal, and the GPS option enables you to detect the terminal's location if it has been moved. (This requires the installation of GPS on your AIO terminal).
- The LOG shows all the actions applied in the software that involve your terminal.

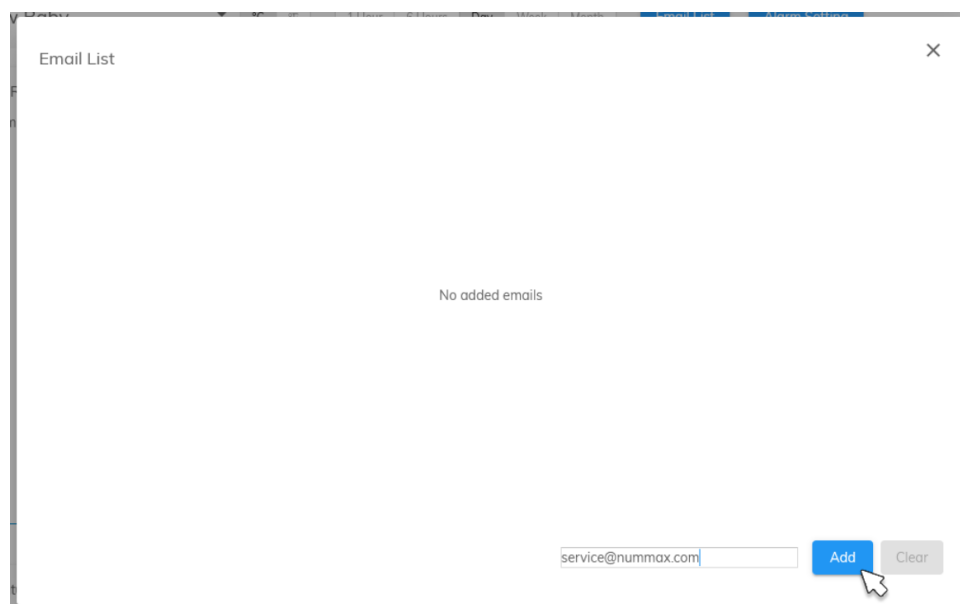
Configure your terminal's alerts

You can receive various alerts about your terminal's status and environment.

Click on MONITOR, then click on EMAIL LIST to add the recipient address for this terminal's alerts.



Enter the email, then click on ADD.



Then, in ALARM SETTING, activate and adjust the settings for each alert required.
For example, I want to be notified when my terminal is offline and I confirm it.

Alarm Setting

×

Basic Alarm Config

Basic alarm for terminal

📅

Offline

📶

ENABLE

Confirm

Bit Error Rate

Config card alarm

💻

Environment

Config environment alarm

📶

Then, when the temperature exceeds 40°C

Basic Alarm Config

Basic alarm for terminal

📅

Bit Error Rate

Config card alarm

💻

Environment

Config environment alarm

📶

Upper Temperature

°C

40

°C

ENABLE

Lower Temperature

°C

0

°C

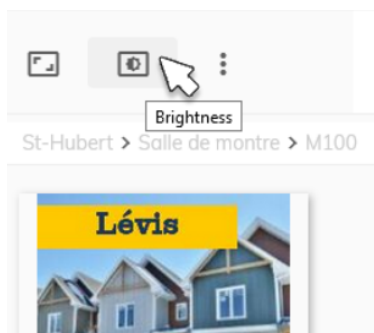
ENABLE

Info: Weather alerts work only if your terminal is equipped with the necessary sensors.

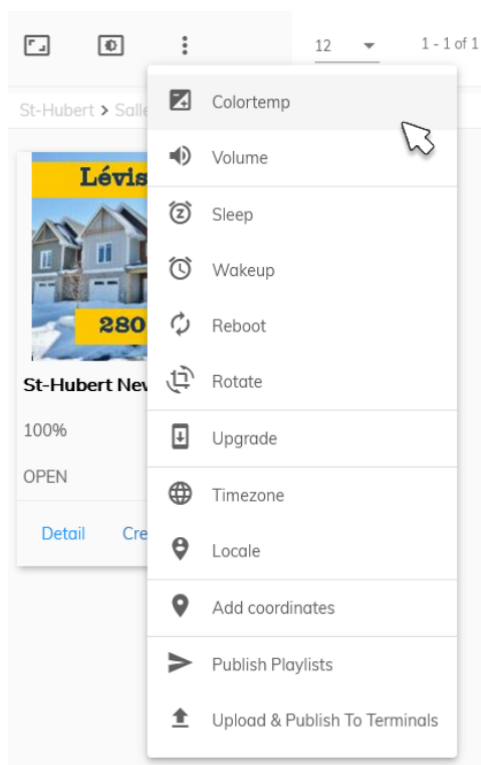
Control settings (brightness, sleep, ...)

Return to the Home screen and select the terminal.

You can adjust the brightness using the icon:

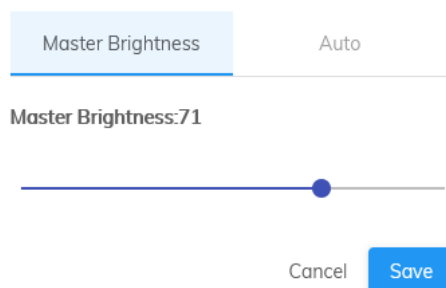


or access other settings through the menu:

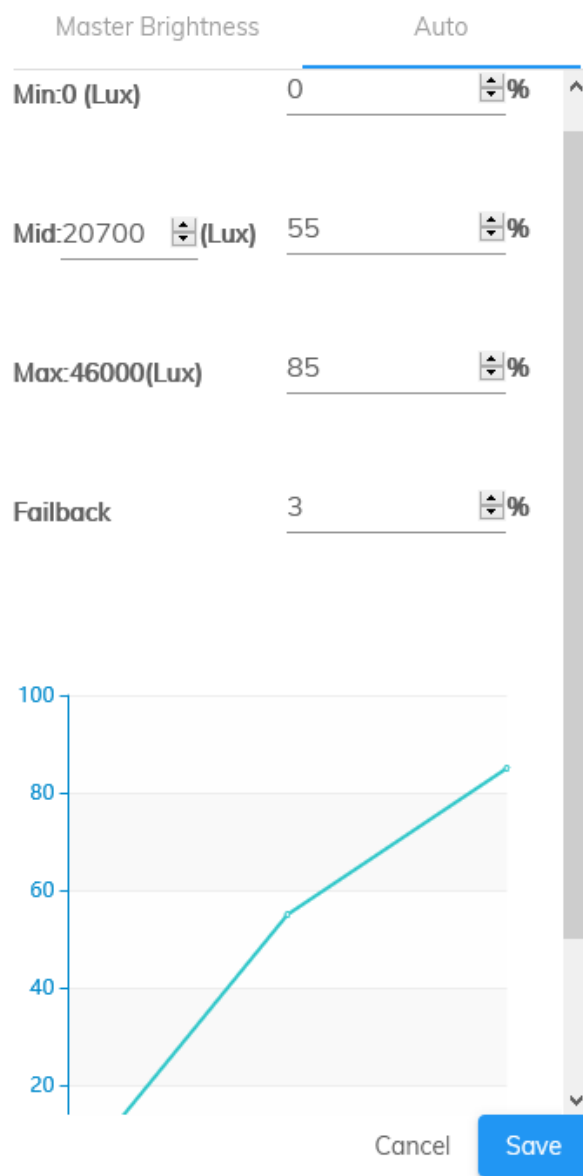


Example of adjusting the brightness:

Adjust the brightness and click on SAVE.



Or program automatic adjustment for your terminal.
Then click on SAVE.



Add media

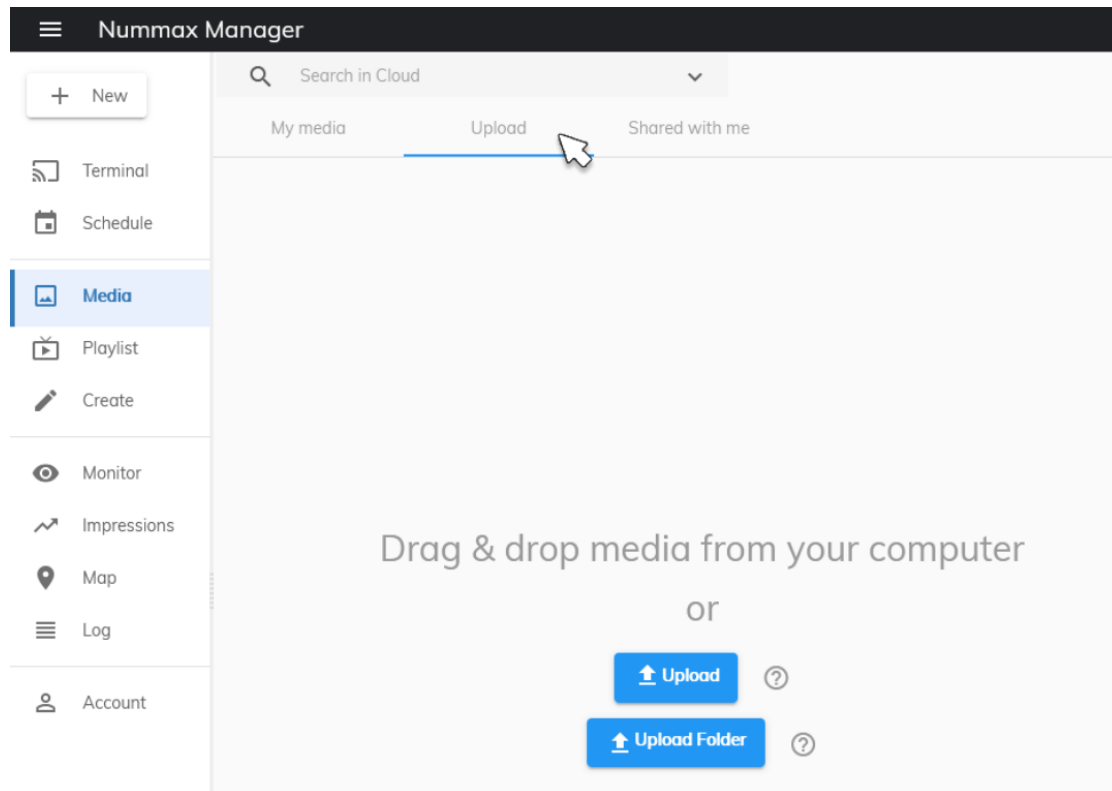
Nummax Manager accepts 2 types of media: videos and images.

Only mp4 format is acceptable for video.

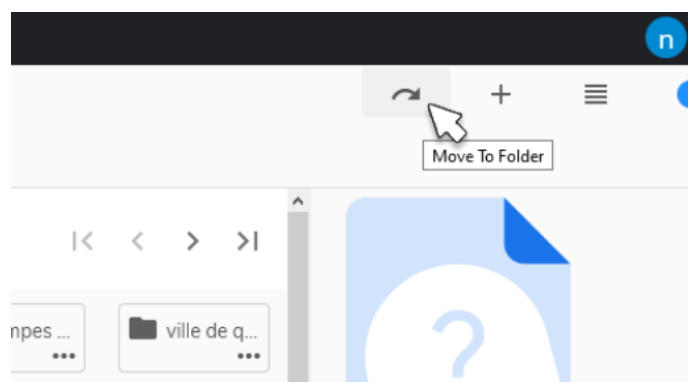
JPG, PNG, GIF and BMP formats can be uploaded for images.

In your user account, click on MEDIA, then the UPLOAD tab.

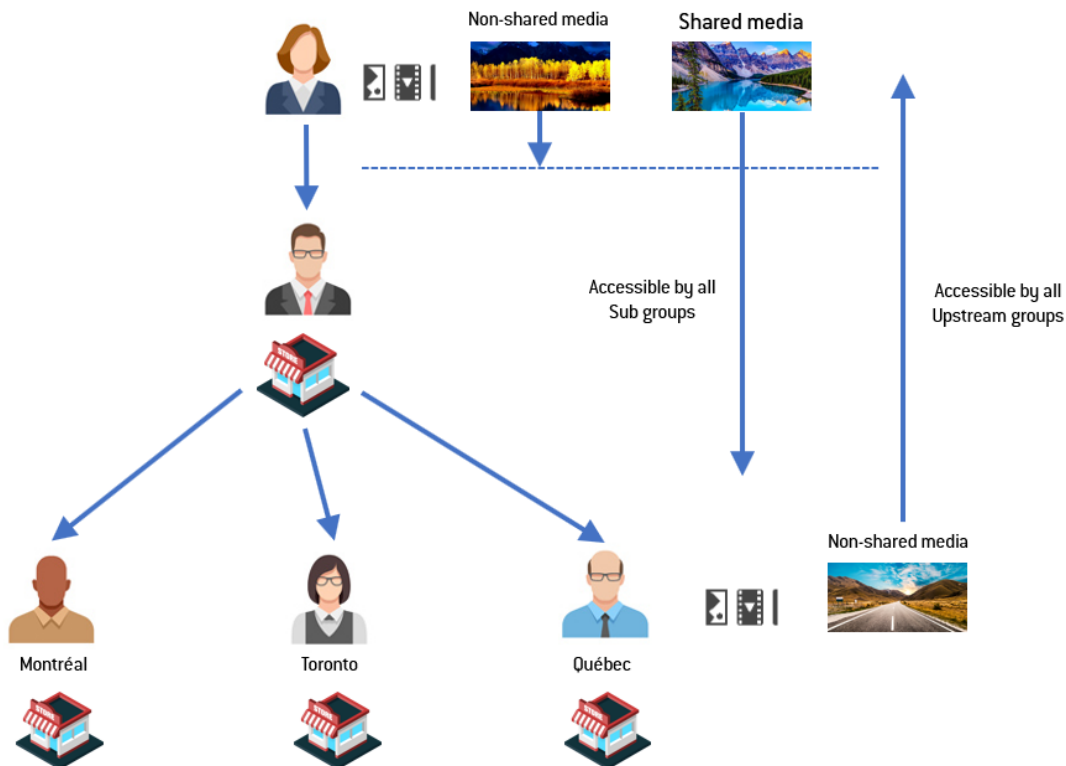
You can upload one or more files at a time.



Create a folder by clicking ADD A FOLDER and organize your content by moving them into the folder using the arrow icon at the top right.

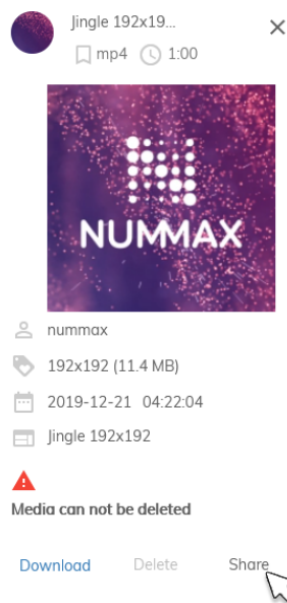


All content that you upload is accessible by the Administrators **above you** but you must activate sharing to share content with the **subsidiary users below you**.



Select the media and click on the information icon (in the upper right) to display the details.

Click on SHARE in the right window.



You and all subgroups can use this media.

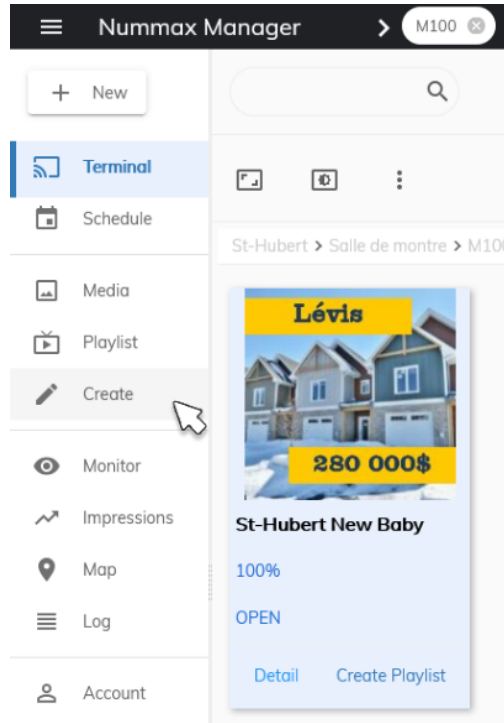
Info: Media published by a subsidiary account will be automatically accessible by upstream groups and users.

Create a playlist

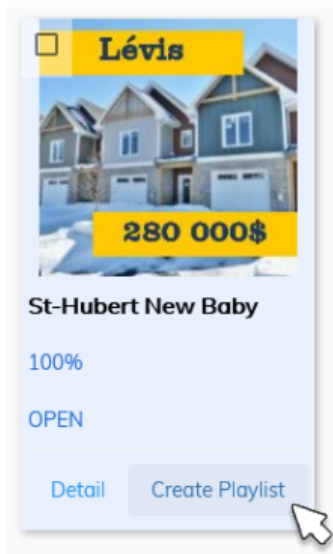
Nummax Manager has a flexible and versatile creation engine.

Playlist settings

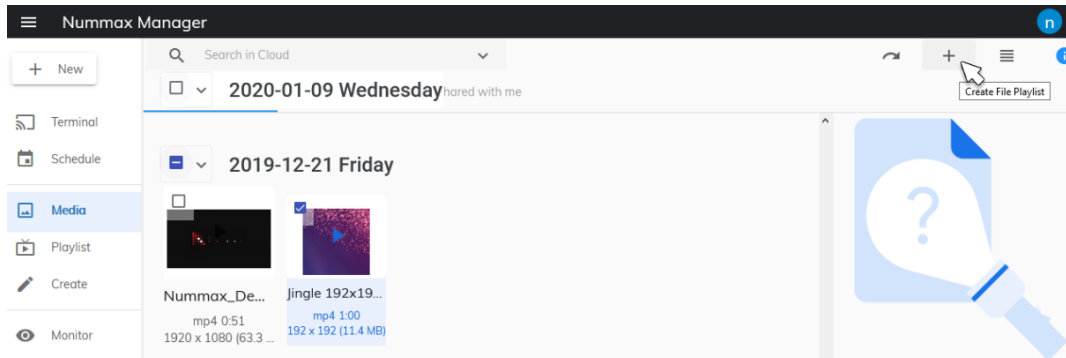
To create a new Playlist, click on CREATE.



But you can also click on CREATE PLAYLIST directly on a terminal



or by selecting a media and clicking on the + in the upper right. This will create a playlist that already contains the media in it.



Name your new Playlist and set the dimensions in pixels.

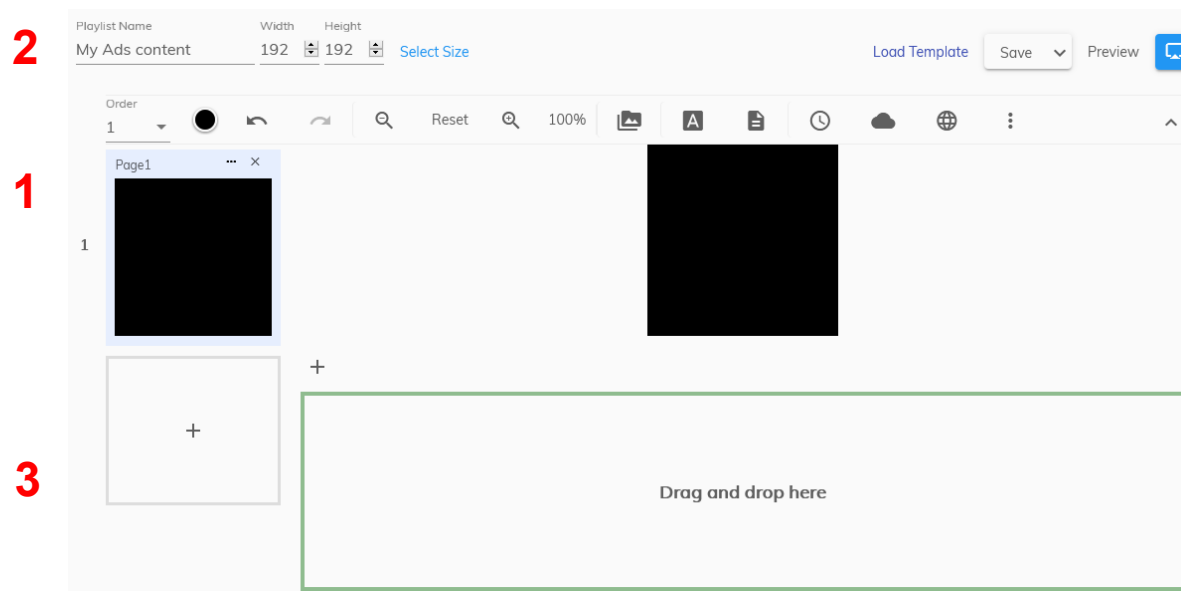
We recommend setting your terminal's maximum dimensions.

You can also click on SELECT SIZE and select a terminal.

The maximum dimensions for this terminal will then be used.

Playlist Name	Width	Height	
My Ads content	192	192	Select Size

1. The different PAGES of content are displayed on the left. These pages are linked when the contents of the page have been played.
2. You can access various functionalities and content at the top.
3. The display in the middle is the work area. You can place your elements in the visible area of the terminal and the bottom section is your work area in which to configure all your content.



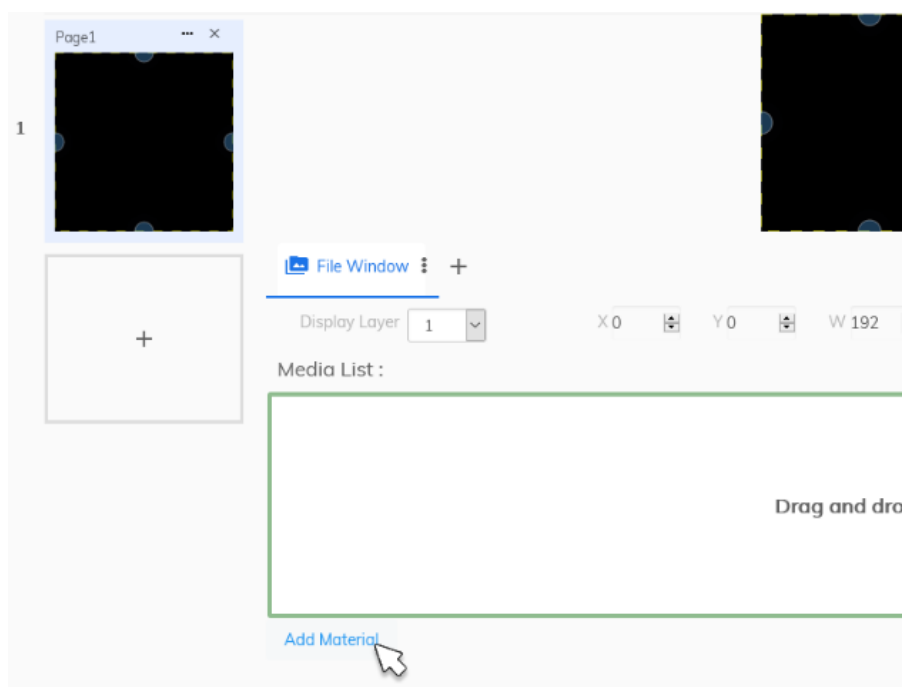
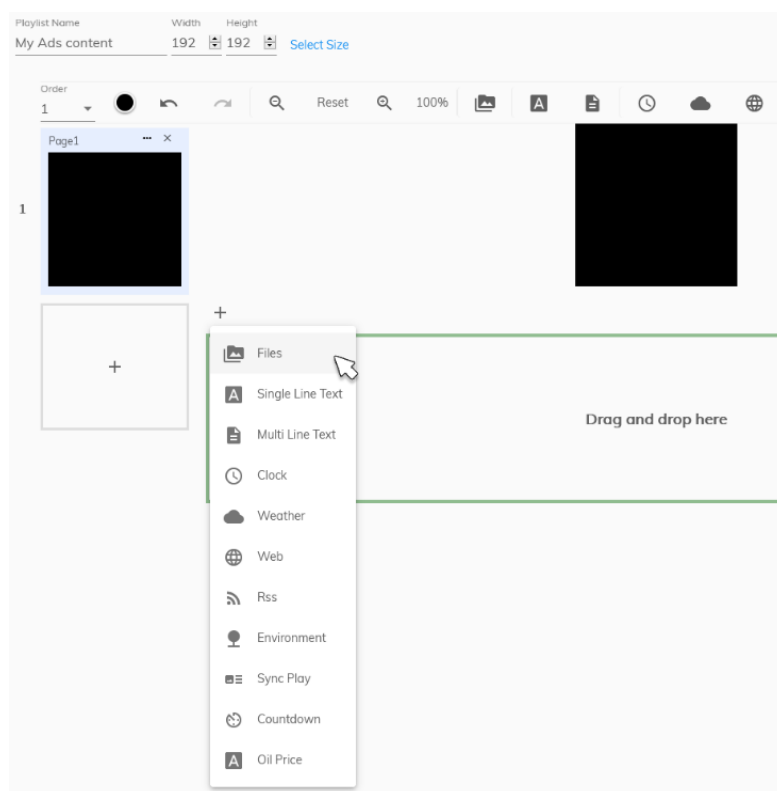
Here are the different types of content you can integrate into a Playlist:

1. FILES, which are image and video media.
2. SINGLE LINE TEXT enables you to display a title or a slogan on one line.
3. MULTI LINE TEXT is used to publish a paragraph, which can also scroll, if desired.
4. CLOCK displays the time and date.
5. WEATHER can be configured for any location.
6. WEB is used to display the content of a URL. Important: the terminal's display dimensions in pixels are generally smaller than a website. The displayed website will either be truncated or adapted as on a mobile device. If you broadcast a website containing videos, the codes must contain the "autoplay" attribute and that the name of the playlist in Nummax Manager has the webv_ prefix (ex: webv_maPlaylist).
7. RSS continuously scrolls, like news headlines.
8. ENVIRONMENT displays information related to brightness, system temperature, etc. This feature requires that your terminal is equipped with sensors.
9. SYNC PLAY allows you to broadcast perfectly synchronized image or video content between several terminals. This functionality also enables extended content to be played on several side-by-side terminals. Important: The terminals must all have the same pixel resolution. Compose your synchronized playlist and publish it on the different terminals or terminal group. The content delivery timing will sync automatically.
10. COUNTDOWN to display a customizable countdown.



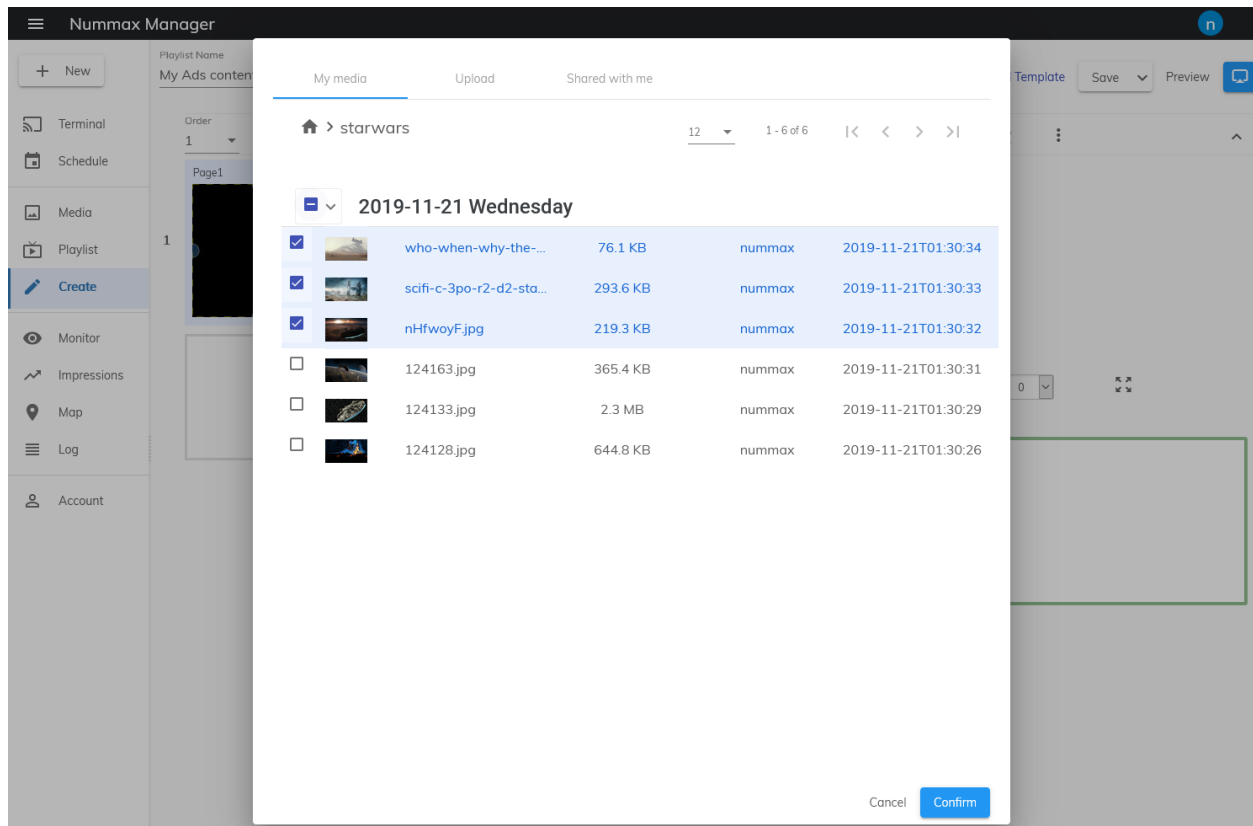
Create a simple slideshow

In the CREATE section, after defining your playlist's name and size, click on **+**, select **FILES**, then click **ADD MATERIAL** at the very bottom.

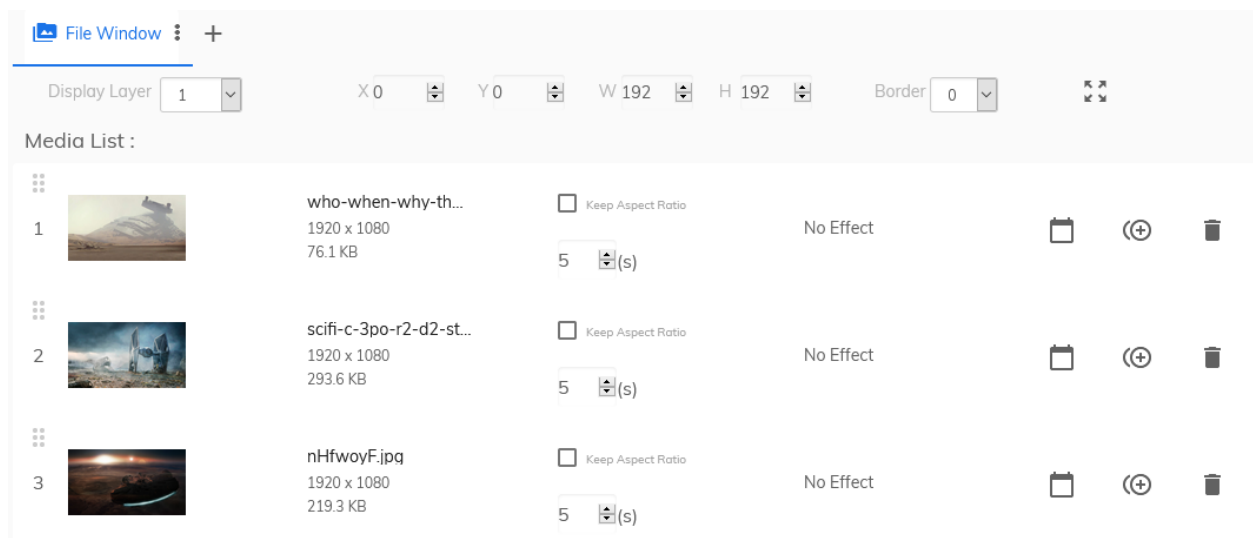


In your MEDIA folder, check all the images that you wish to insert into the slide show, then confirm.

You can upload media if not yet in the library.



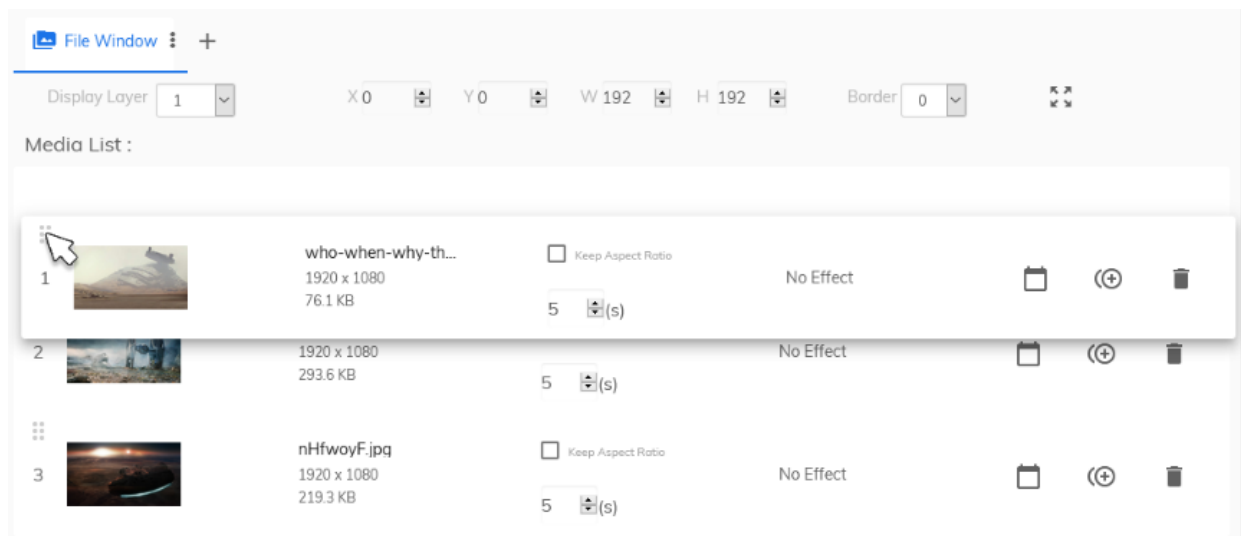
For each image, you can modify **the display duration** and **the transition between images** by clicking on NO EFFECT. Many transition effects are available.



You can also program an image duration and choose when it will integrate into the slide show by clicking on the SCHEDULE.

Lastly, you can DUPLICATE or DELETE and image.

To reorganize the image order, simply click and drag the images into the desired order.



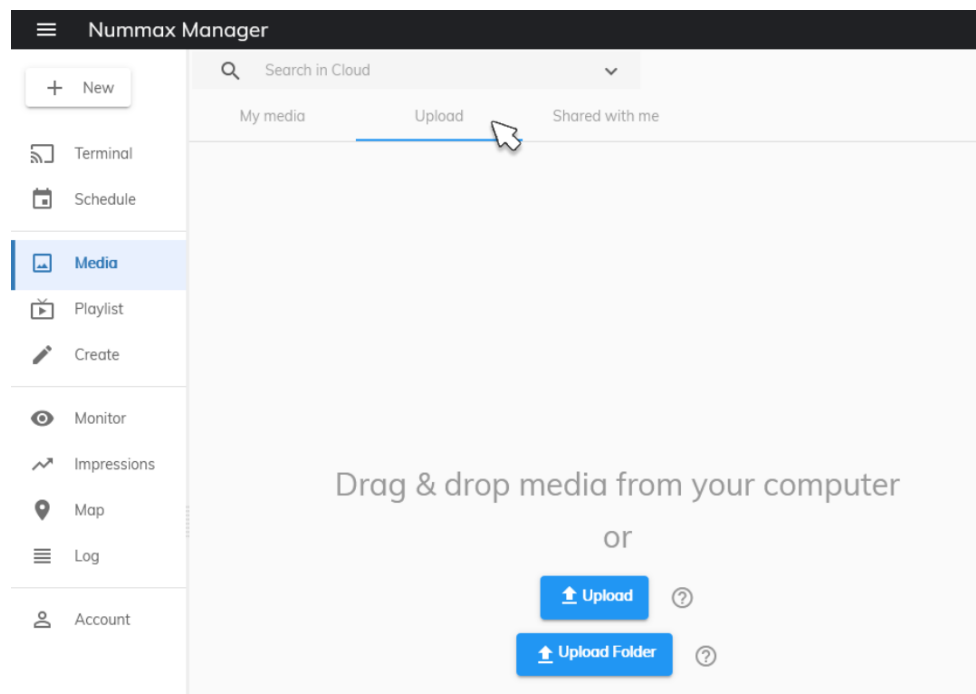
Click on SAVE in the upper right to save the slideshow in the Playlist.

Post a video

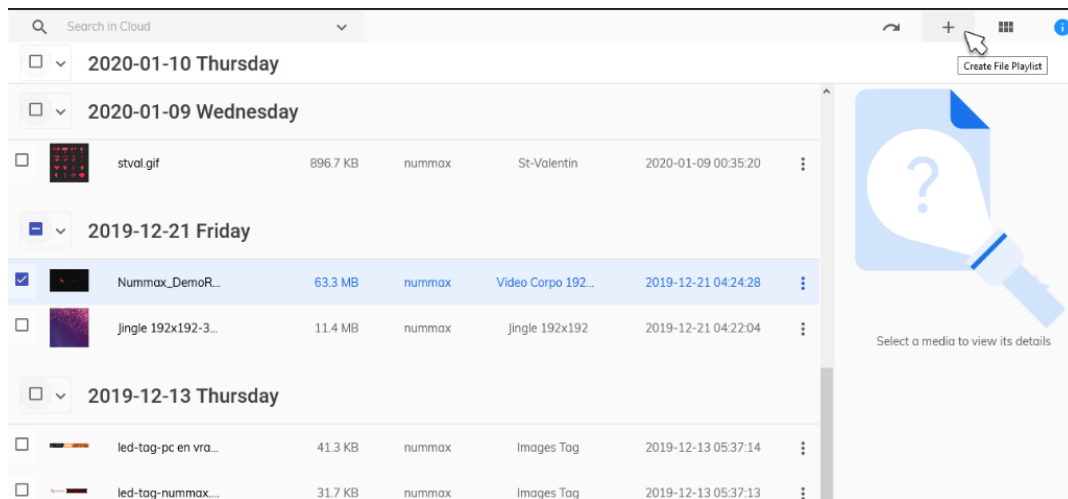
Follow the same procedure as for images.

Click on MEDIA in the left menu, then on the UPLOAD tab.

You can either upload a single file or a folder containing multiple files.



Check the video file to upload then click on the + in the upper right to create a playlist from this file.

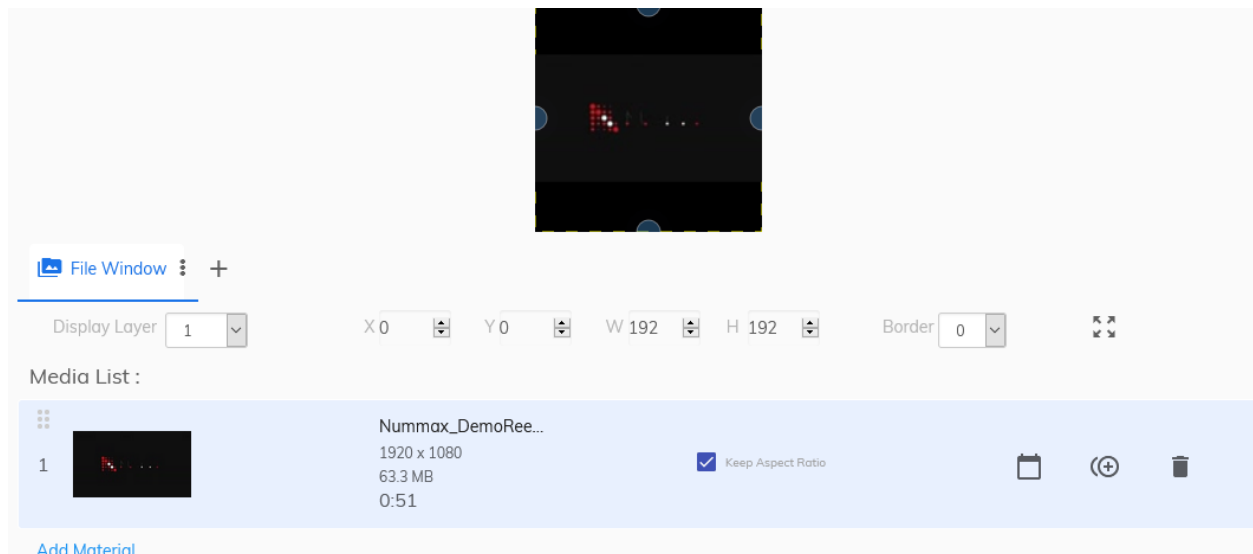


Adjust the size of your playlist based on your terminal.

Playlist Name	Width	Height
Corporate Video	192	192

[Select Size](#)

You can position your video within the area, change its dimensions, keep its proportions, etc. however you cannot control the display duration, which corresponds to the duration of the video sequence, and no transition effect is possible between several videos.



Demo: Create a multi-content sequence

Here is how to create a layout containing various content.

1. We will display the current time in an area on the upper left

In the work area, you can accurately define the dimensions and position of the content window.

Set the position to 0, 0, and the dimensions to 96 by 32 pixels.

Click on the clock style and select DIGITAL (single line).

We will not use FIXED TEXT, which appears in front of all time information.

In FONT, put the text in bold yellow and uncheck the settings, except for Hour and Minute.

In EFFECT, set the duration to 30 seconds.

The screenshot displays the NUMMAX software interface. At the top, a toolbar contains icons for various functions. The main workspace shows a black square widget in the upper left corner, displaying the time '15:43' in yellow digital font. Below the workspace, a configuration panel for the 'Clock Window' is visible. The 'Display Layer' is set to 1, with dimensions of X 0, Y 0, W 96, and H 32. The 'Clock Style' section has 'Digital Clock(Single Line View)' selected. The 'Fixed Text' section is empty. The 'Font' section shows 'Arial' font, size 24, with bold and italic buttons. The 'Color' section shows a yellow color swatch. The '24Hours' and '12Hours' tabs are present, with '24Hours' selected. The 'Year', 'Month', 'Date', 'Week', 'Hour', 'Minute', and 'Second' checkboxes are shown, with 'Hour' and 'Minute' checked. A note states 'Display format is player locale dependent'. The 'Effect' section shows 'BackgroundColor' set to black and 'Duration(s)' set to 30.

Reset 100%

15:43

Clock Window

Display Layer 1 X 0 Y 0 W 96 H 32 Border 0

Clock Style

☒ Digital Clock(Single Line View) ☐ Digital Clock(Multi Line View) ☐ Analog Clock

Fixed Text

Font

Font Arial Size(px) 24 B I

Color

24Hours 12Hours

☐ Year ☐ Month ☐ Date ☐ Week ☒ Hour ☒ Minute ☐ Second

Display format is player locale dependent

Effect

BackgroundColor (Black background is rendered transparent in the player)

Duration(s) 30

2. In the upper right, we will display the temperature in Québec City

As with the time content, you have to define the dimensions and position of the weather window. Set the position to 96, 0 and the dimensions to 96 by 32.

In STYLE, select “Single Line View” in order to centre the text.

Then choose the city, the unit of measurement, and the information desired, such as the name of the location, the temperature, wind, and humidity. We will check only temperature.

In FONT, select bold and 24px for the size.

In EFFECT, select the Pages option to keep the temperature display fixed.

The element's play duration will also be 30 seconds.

The screenshot shows the Animate software interface. At the top, a toolbar contains various icons for editing and viewing. Below the toolbar, a preview window displays a black rectangular element in the upper right corner of the stage. The element contains the text "15:45" in yellow and "24°C" in white. Below the preview window, the "Clock Window" panel shows the element's position and dimensions: X 96, Y 0, W 96, H 32, and Border 0. The "Weather Style" panel is open, showing the "Single Line View" selected. The "City Name" is set to "Quebec". The "Weather Prefix" section has "Temperature Prefix" checked. The "Font" panel shows the font set to "Arial", size "24", and bold. The "Effect" panel shows the "Pages" option selected with a duration of 6 seconds. The "Background" is set to black, and the "Play Duration(s)" is set to 30.

Reset 100%

Clock Window : Quebec

Display Layer 2 X 96 Y 0 W 96 H 32 Border 0

Weather Style

☐ Multi Line View ☒ Single Line View

Select City

Quebec Load Success! °C °F

Weather Prefix

☐ Quebec ☒ Temperature Prefix ☐ Wind Prefix ☐ Humidity Prefix

Font

Font Size(px) 24 **B** **I**

Color

Effect

☒ Pages ☐ Move Left Page Duration(s) 6

Background (Black background is rendered transparent in the player)

Play Duration(s) 30

3. Add an RSS feed of Québec news headlines at the bottom

Select RSS and set the position to 0, 160 and set the dimensions to 192 by 32.

We will add a 1 pixel, blue BORDER.

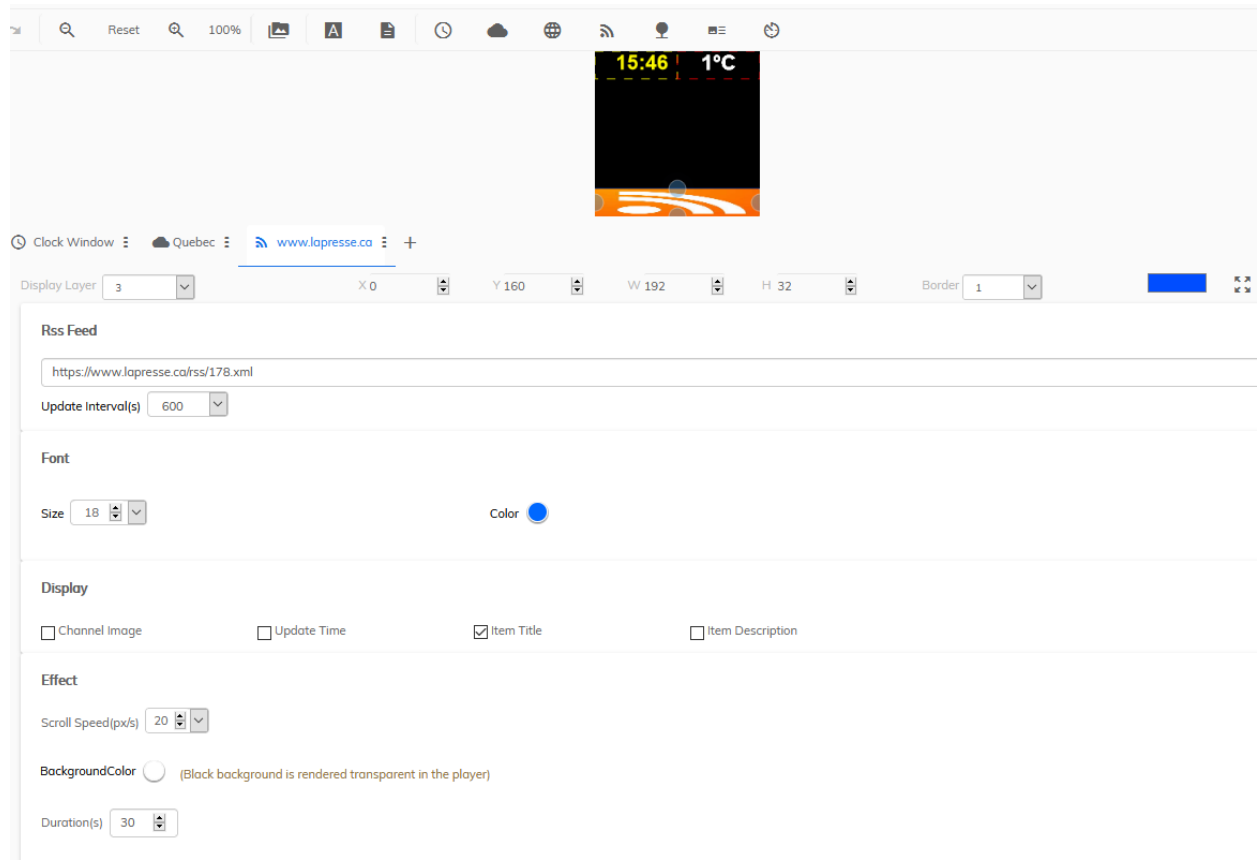
In the RSS FEED line, enter the URL address of the feed you wish to display and the update interval.

DISPLAY allows you to choose the information to present.

You can choose the FONT and the elements to display in the newsfeed.

Lastly, in EFFECT, set the scroll speed to 20 pixels per second.

White background colour and a 30-second display.



4. We will add a slideshow of Quebec landscapes in the centre.

To position the slideshow in the centre of the sequence, set the position to 0, 32 and the dimensions to 192 by 128.

Add the images that you have uploaded, configure each image's duration and transition by clicking on "No Effect."

The screenshot displays a video editing software interface. At the top, there is a toolbar with various icons for editing, including a magnifying glass, a reset button, a zoom level of 100%, and icons for image, text, audio, and video. Below the toolbar, a preview window shows a video frame with a Quebec landscape, a digital clock displaying '15:48', and a temperature indicator showing '1°C'. Below the preview window, there is a 'Media List' section. The 'Media List' contains four items, each with a thumbnail, a filename, dimensions, file size, and configuration options. The configuration options include a 'Keep Aspect Ratio' checkbox, a duration field set to 5 seconds, and a 'Random Effect' dropdown menu set to 1.5 seconds. The 'Media List' items are:

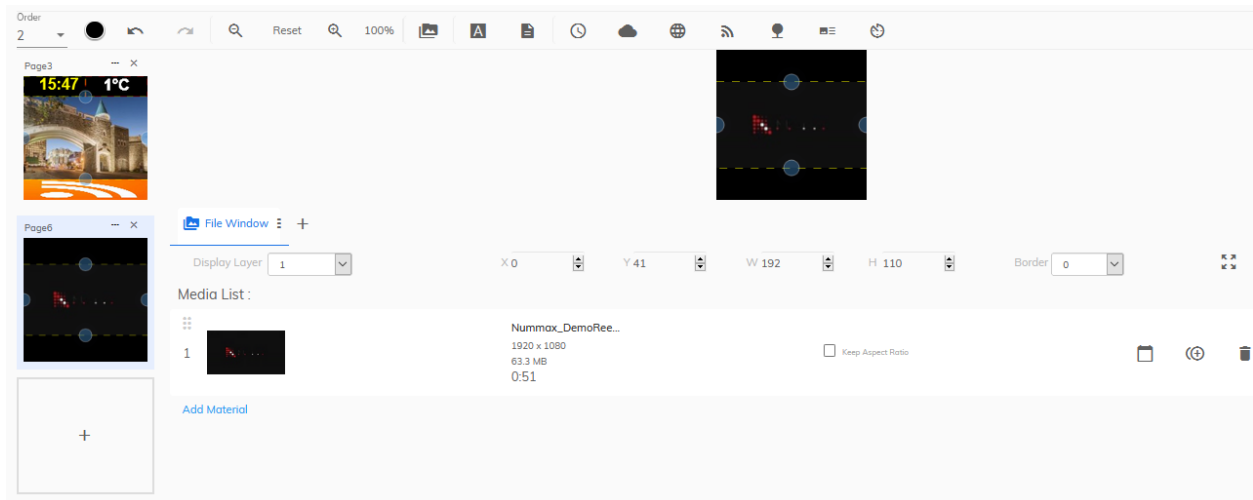
Item	Thumbnail	Filename	Dimensions	File Size	Keep Aspect Ratio	Duration (s)	Random Effect (s)
1		q06.jpq	620 x 414	73.5 KB	<input type="checkbox"/>	5	1.5
2		q05.jpq	768 x 432	70.2 KB	<input type="checkbox"/>	5	1.5
3		q03.jpg	1140 x 642	161.9 KB	<input type="checkbox"/>	5	1.5
4		q01.jpq	590 x 350	56.3 KB	<input type="checkbox"/>	5	1.5

At the bottom of the 'Media List' section, there is a blue link labeled 'Add Material'.

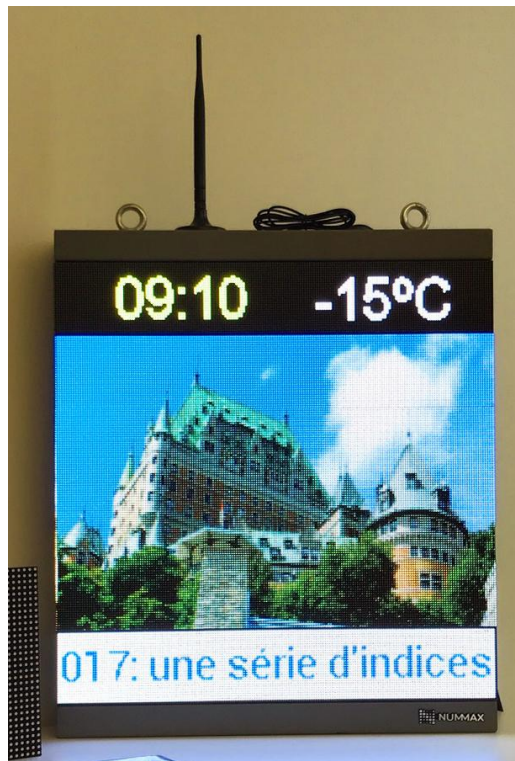
5. For the 2nd page, which will play after all of page 1's elements have been completed, we will play a video.

Select FILES then ADD CONTENT to find your video in the media.

Set the position to 0, 41 and the dimensions to 192 by 110 to centre the image.

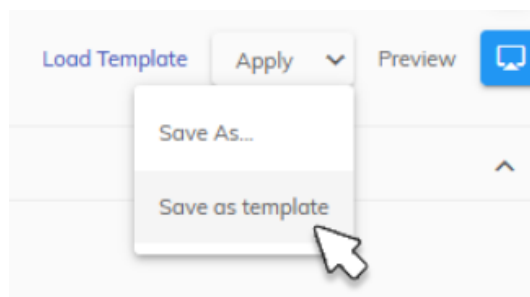


You can add multiple pages to build a playlist.



Template

When you create a playlist with a layout of content, you can choose to save your playlist as a template.



When you create a new playlist, you can load the template from the link in the upper right in order to retrieve the entire layout's structure.

Il ne vous restera plus qu'à mettre à jour les contenus et l'enregistrer sous forme de playlist

Submit a Playlist or a Template

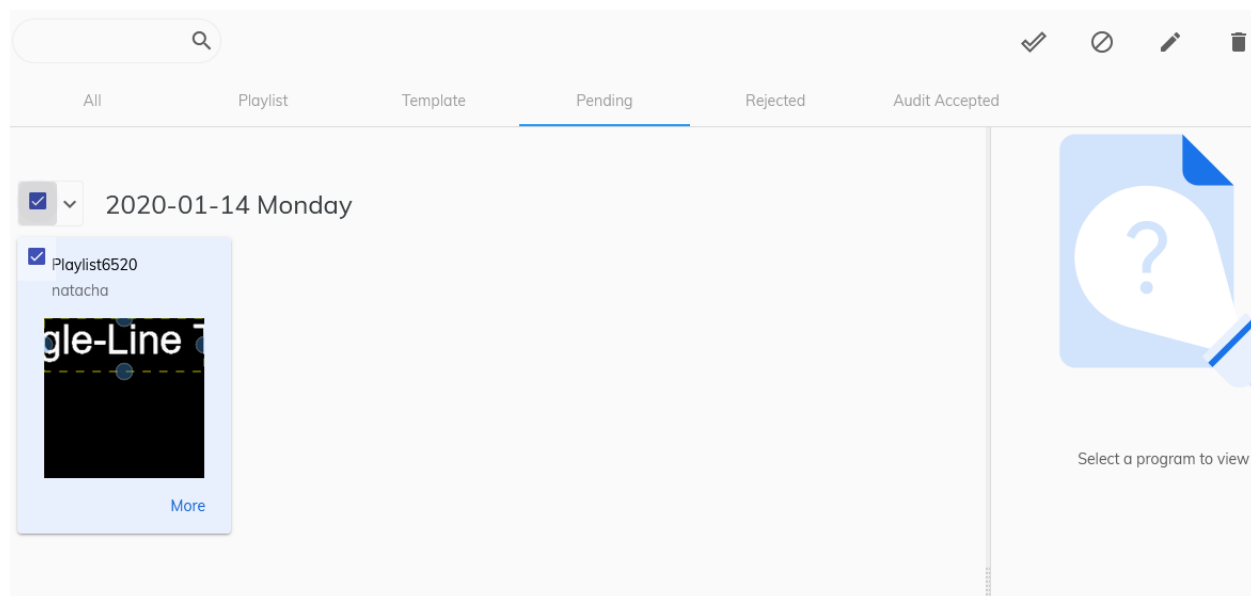
1. If you are not an administrator your playlists and templates must be approved before they can be used.

When you save a playlist it will automatically be pending approval in the PENDING tab.

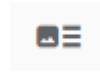
2. If your role is to approve a playlist or template, go to the PLAYLIST tab and choose the PENDING tab.

Double-click on the element to review the content and verify the various elements.

Return to the playlists page in the PENDING tab, then select the element to approve and check it to approve it, or on the Audit Reject icon to reject it.



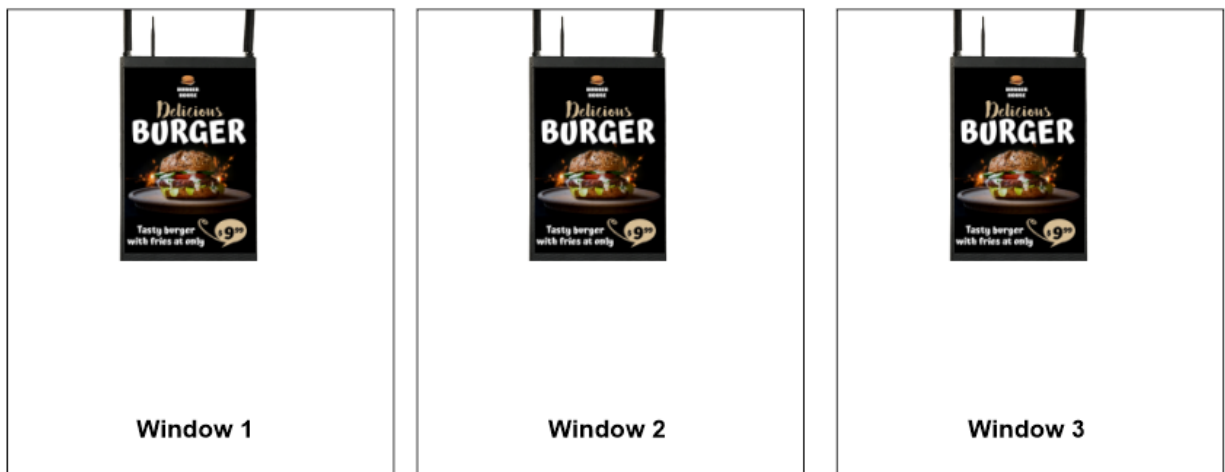
How to use the Sync Play



NMAIO allows the same content or split content to be broadcast on several devices in perfect synchronization.

Broadcast the same synced content into multiple terminals

For a strong marketing impact, you can choose to display the same message on different terminals at the same time despite different programming in each.

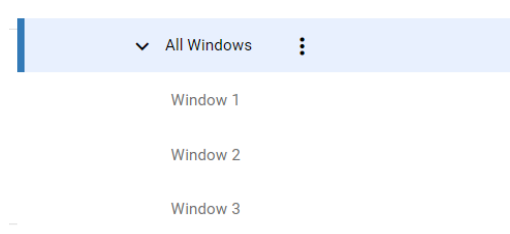


Each terminal must have its own group and belong to a larger group.

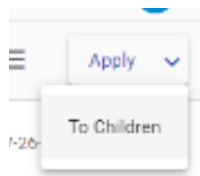
They can have different content schedules.

When the synchronized list is read by the first broadcaster, the others adjust to display the content at the same time.

Example of group organization

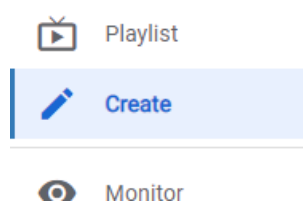


The synchronized content list must be published on the root folder of terminals (eg: All Windows) and applied to children groups of terminals.



Method

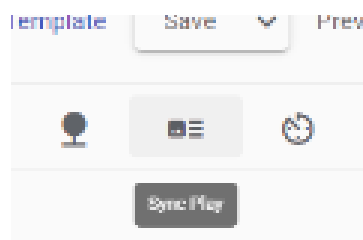
Create a playlist



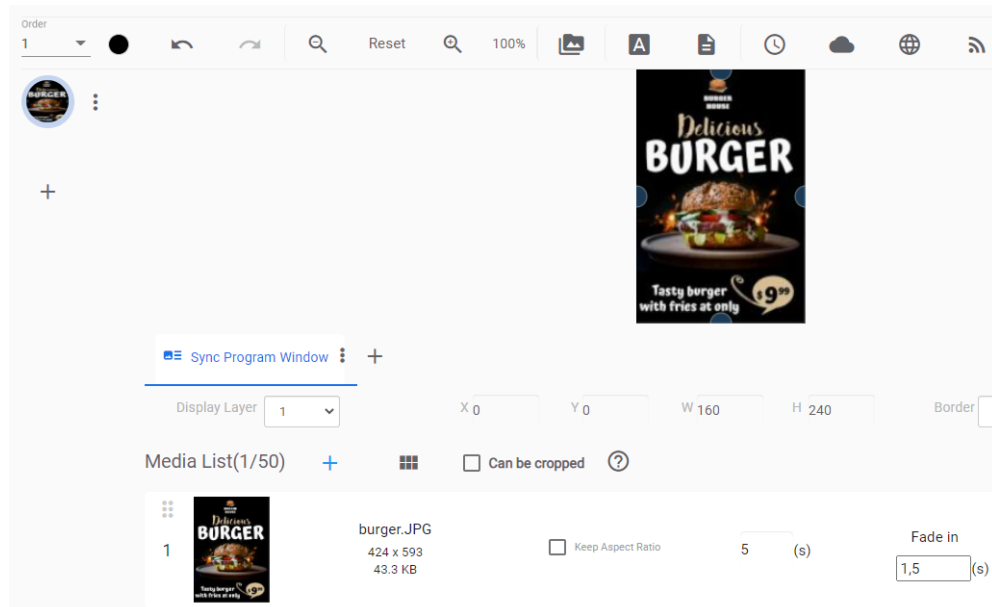
Give a name easy to identify

Playlist Name	Width	Height
MySyncBurgerPlaylist	160	240

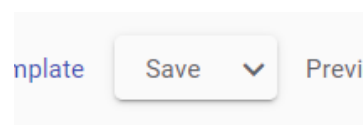
Select the Sync Play icon



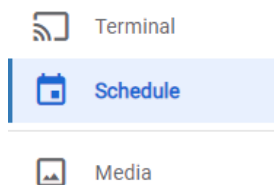
Add the desired media in the files section, configure the elements (duration, transitions, ...)



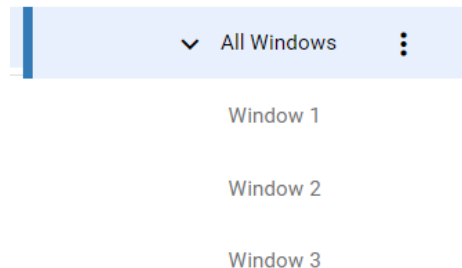
Save your playlist



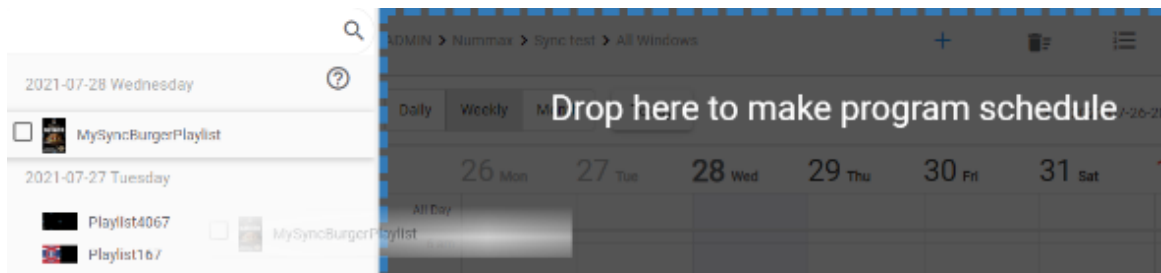
Click on the Schedule section



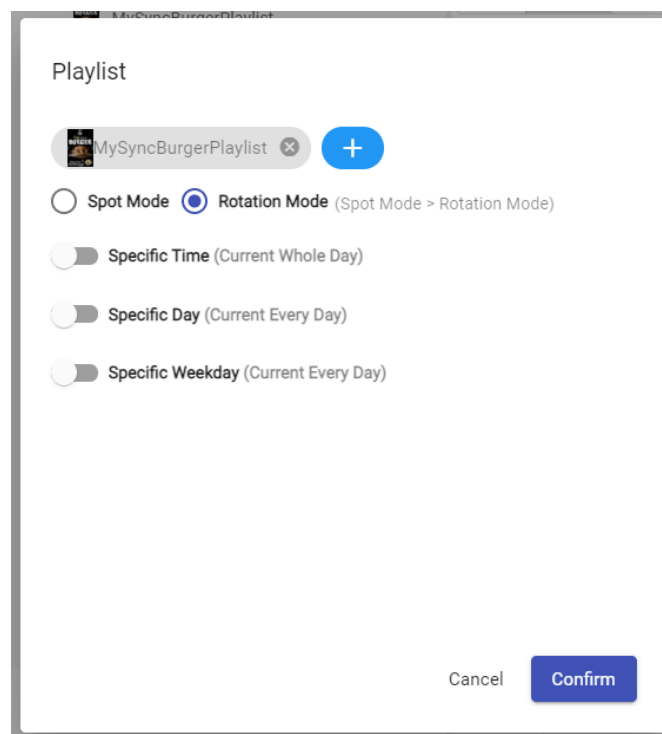
Choose the root group terminal



Drag & drop the playlist in the schedule



Confirm



Then apply to children.

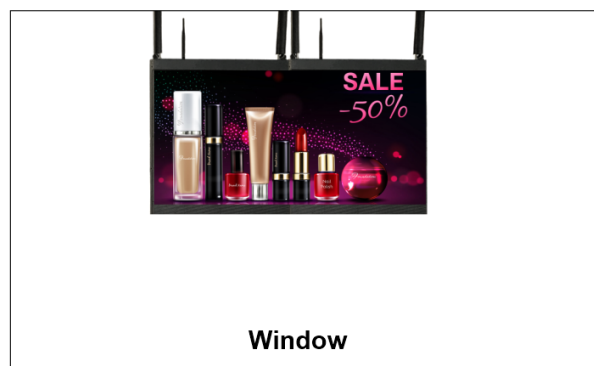


✓ **Your synced playlist will mingle with the rest of each terminal's programming and display content at the same time.**

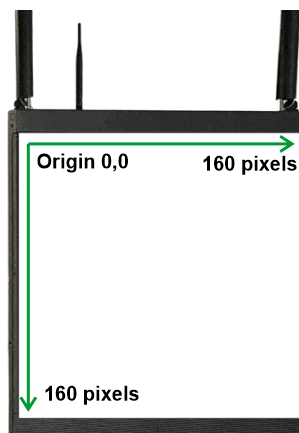
Broadcast extended content to multiple side by side terminals

Nummax terminals can be combined to become 1 single large screen.

The content broadcast in each of the devices must then be cut into pieces automatically and displayed perfectly synchronized.

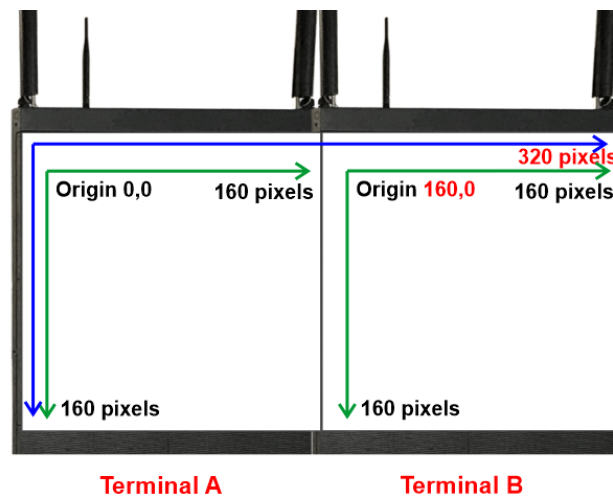


To proceed, you need to know the pixel size of the displays. Let us take here 2 LED Mini Posters 4mm. Size: 160 x 160 pixels.



Single terminal

With 2 terminals combined, we get 320 x 160 pixels



Method

The process is to create a playlist that will contain the media in full screen size (eg: 320 x 160 pixels) in the 2 terminals.

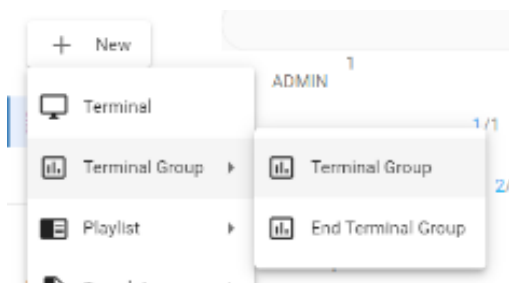
Nummax Manager will automatically cut the media according to the terminals' origins.

The steps are therefore as follows:

1. Configure the terminals (Name, origin, dimensions) and put them in the same group (**this step is usually carried out by Nummax in the factory settings**)
2. Create a playlist with a sync play area
3. Publish the playlist to the group

1 - Configure the terminals (Steps described for your information. All is configured by Nummax at the factory)

Creation of a terminal group (see section [Create terminal groups](#)) that you can name "MyCompleteScreen" in which we will put the terminals.



Select the first terminal, and in the information page, "Details" tab, click to edit the name



1. Name the 1st terminal
2. In the description area enter the origin coordinates and the terminal pixel size according to the following scoring protocol: (origin x.origin y.length.height)
For our example we would have: **(0.0.160.160)** for the first terminal, and **(160.0.160.160)** for the 2nd terminal
In the 2nd terminal the origin X coordinate is offset by 160 pixels
3. Assign the terminal to "MyCompleteScreen" group

A screenshot of the 'Edit Left Terminal' form. The form has the following fields: 'Terminal Name' with the value 'Left Terminal' (indicated by a red '1'), 'Description' with the value '(0.0.160.160)' (indicated by a red '2'), 'Install Time' with the value '2021-06-23', and 'Group' with the value 'MyCompleteScreen' (indicated by a red '3'). There is a 'Change Group' button next to the group field. At the bottom, there is a checkbox labeled 'Apply to local name and description', and three buttons: 'Delete', 'Cancel', and 'Confirm'.

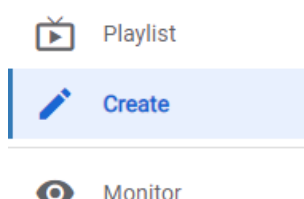
Confirm your settings

2 - Create a playlist

Upload your media to the size of the entire screen (our example 320 x 160 pixels) see the [Add media section](#)

For faster software processing, we recommend that you use media prepared to the exact pixel size of the entire screen.

Click on create a playlist



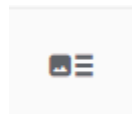
Give it a name easy to identify

Playlist Name
MyFullScreenList

Input the complete screen pixel size

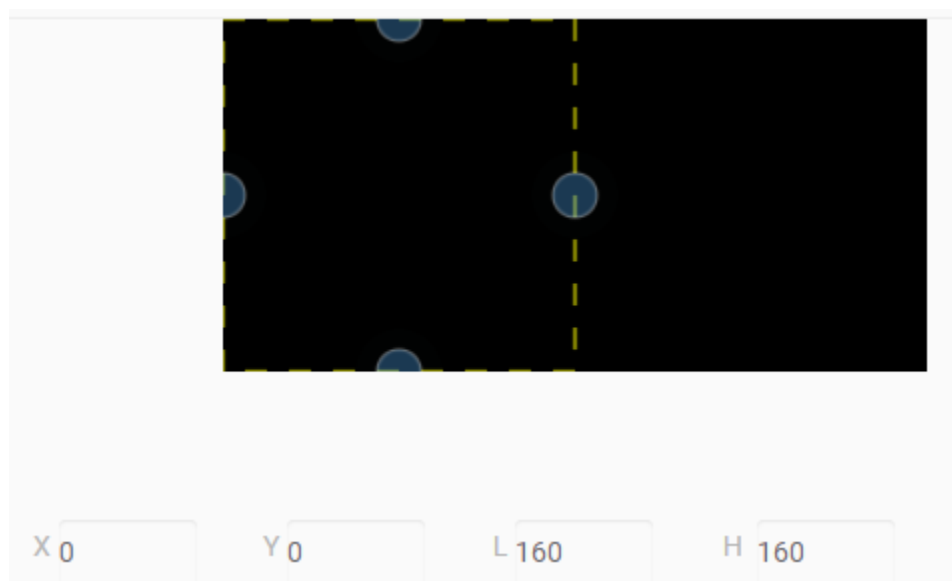
Width	Height
320	160

Click on the Sync Play icon

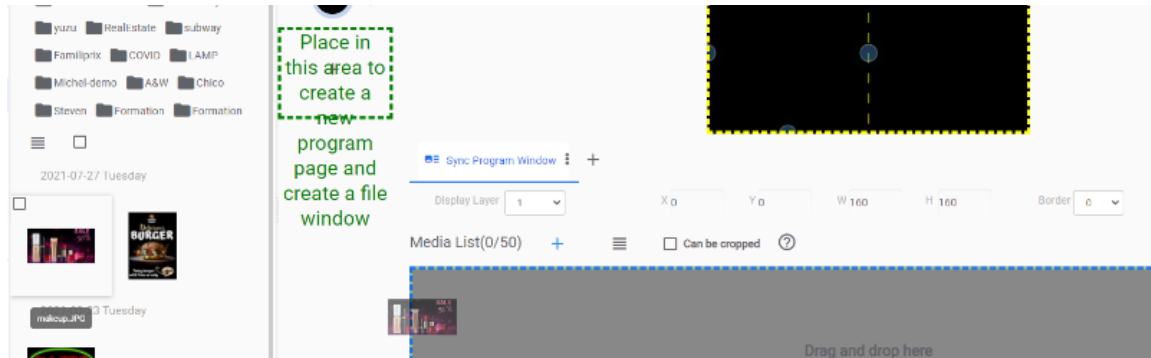


Enter the origin X 0 and Y 0 and the dimensions L 160 and H 160

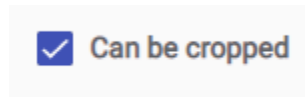
The width and height 160 x 160 are used to indicate to the system what is a single terminal dimension



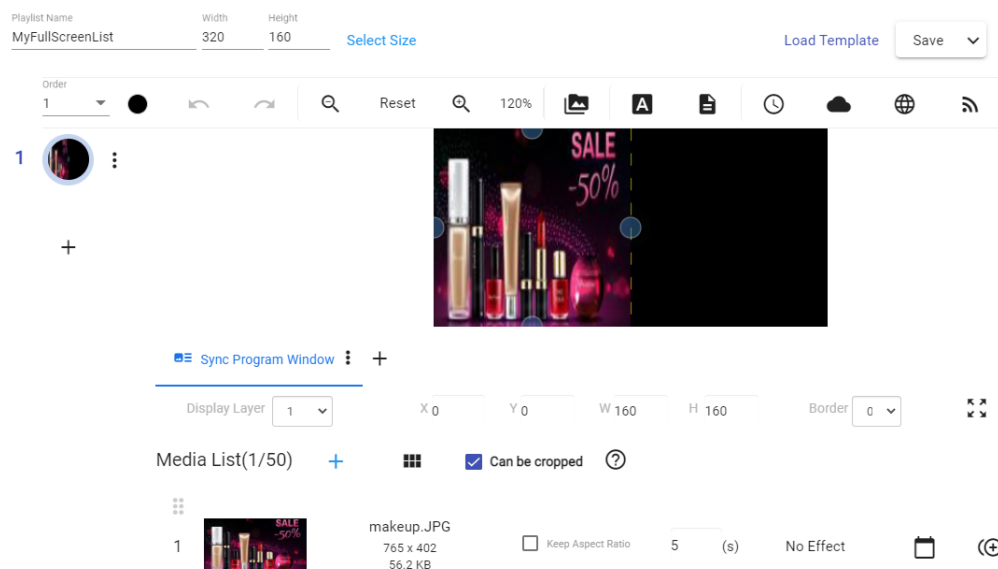
From the media library, drag and drop your media into the tab area. You can put several media in it at the same time.



Check the “Can be cropped” box. This tells the software that it will have to cut the media (images and videos).



Save

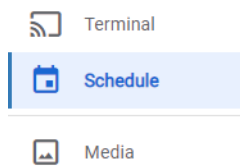


Depending on the quantity and size of your media, your list processing time can be long. The software proceeds to cut each media.

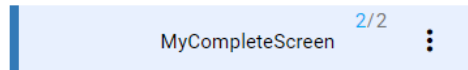


3 - Publish the playlist

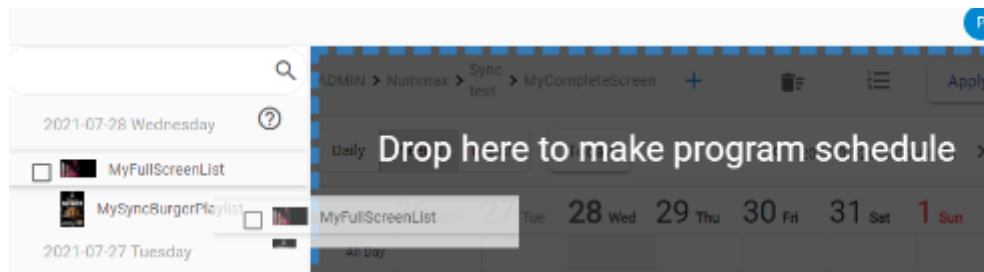
Click on Schedule in the left menu



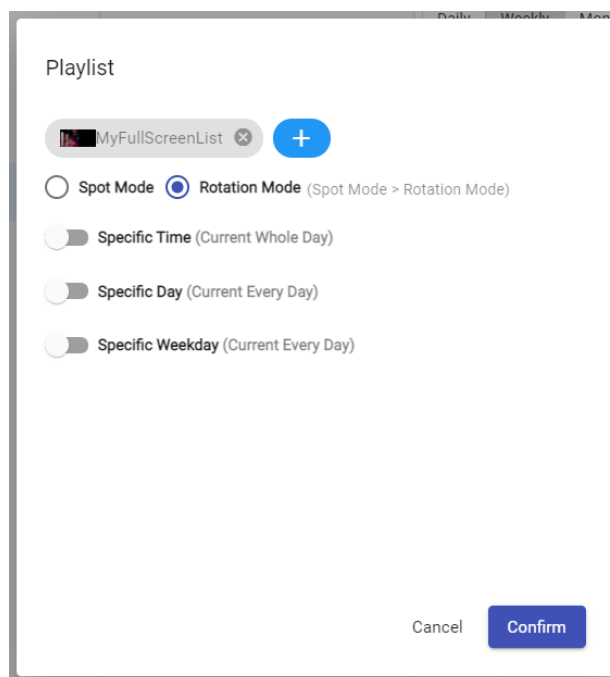
Select the group containing the terminals



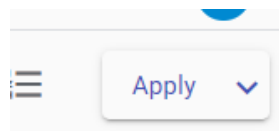
From the playlist library, drag and drop the list into the calendar



You can set specific schedule for this playlist or leave it in standard rotation mode for permanent broadcasting.



Confirm and Apply the schedule



✓ Your synchronized playlist will display the content on the entire surface of the 2 terminals joined as one large screen.

Some restrictions apply in the use of cut-to-sync media

1. A created and distributed playlist cannot be edited and applied (no addition of media to cut).
Only media time settings can be adjusted or other unsynchronized content in the list.
2. Slicing files can take a long time depending on the format and type of compression. Nummax recommends you do your own tests for what works best for you. (.mp4, .avi, .mov,...)

Create a broadcast schedule

NMAIO enables you to program 2 types of elements in your terminals: Commands and Playlists.

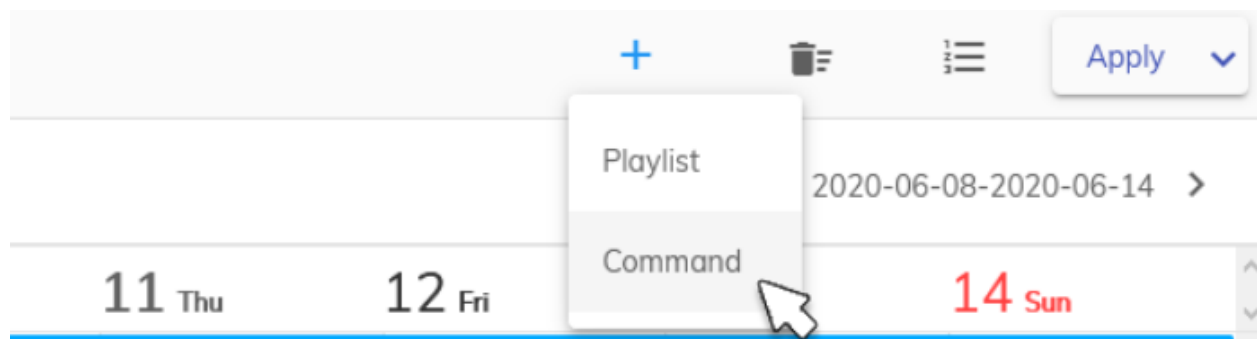
Program commands

Programming commands is a very useful function for terminal administrators.

This allows you to set the terminal start-up and shut-down time, program its brightness or reboot it.

Click on SCHEDULE on the left.

Click on **+** and choose COMMAND.

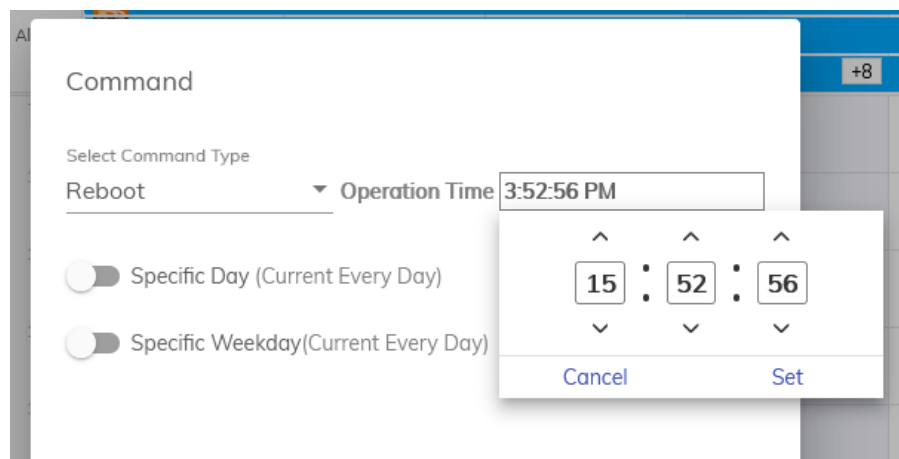


In the modal window select the command, for example: Reboot.

Click on Operation Time.

Adjust the time and click SET. This establishes the command's activation time.

If you confirm and save your schedule, the command will be activated every day at the programmed time.



If you activate the DAY option, you can choose a specific day or a period.
you can choose SPECIFIC WEEKDAY and the command will be executed.
These options can be combined to provide advanced programming.
Click on CONFIRM.

Command

Select Command Type
Reboot Operation Time 3:52:56 PM

☒ Specific Day
6/11/2020 ~ 6/11/2020

☒ Specific Weekday

☐ Mon ☒ Tue ☒ Wed ☒ Thu ☒ Fri ☐ Sat ☐ Sun

Cancel **Confirm**

Schedule broadcast of a playlist

In the SCHEDULE section, click on **+** and PLAYLIST.

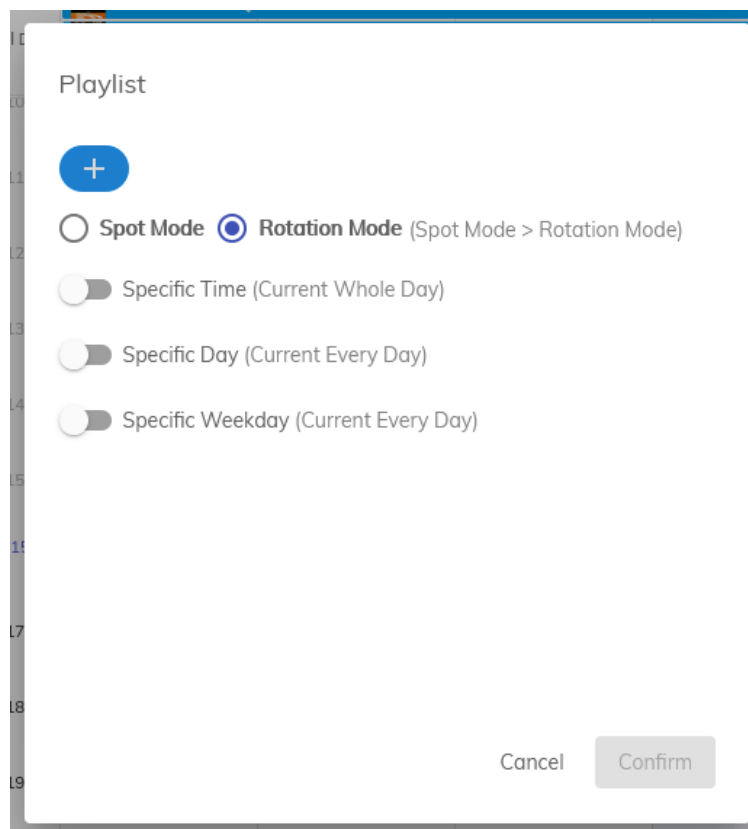
+ **Apply**

Playlist 2020-06-08-2020-06-14 >

Command

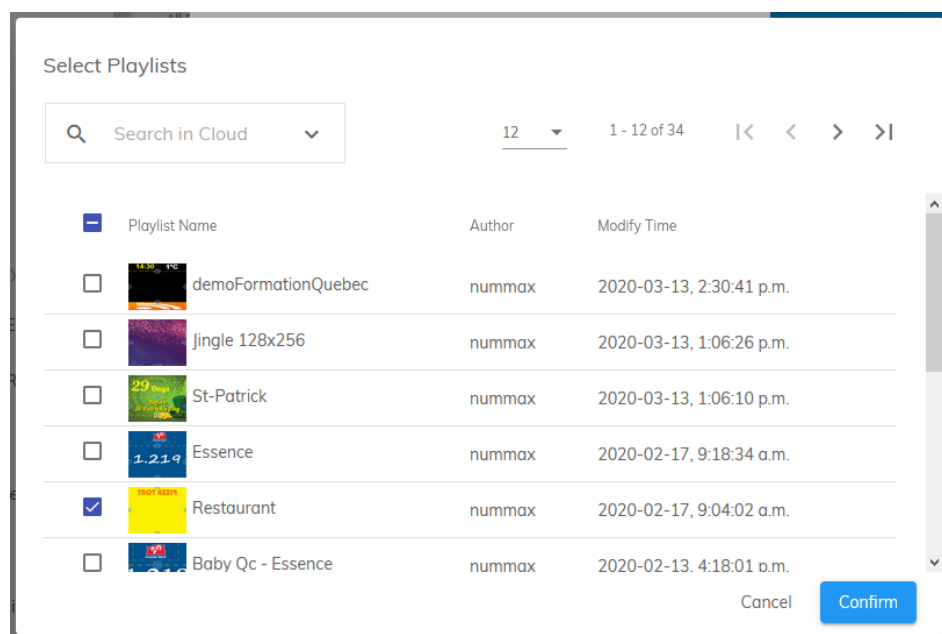
11 Thu 12 Fri 14 Sun

In the modal window, click on + to display the available playlists.



Wait a few moments and all the available playlists will appear.

Select the playlist(s) to schedule.



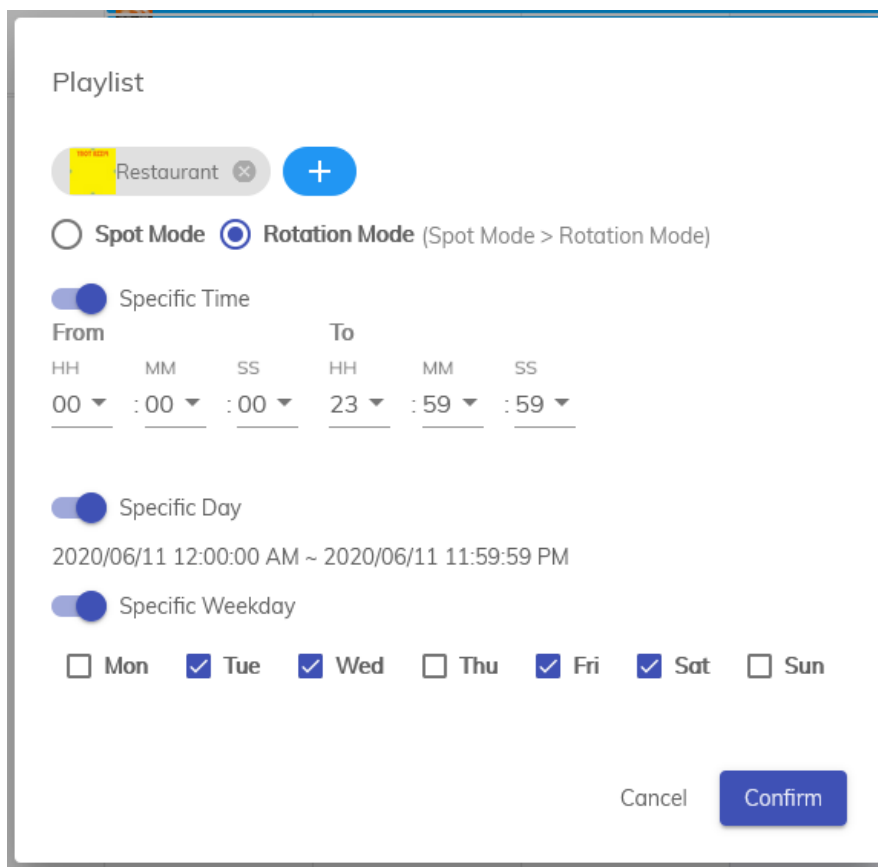
There are 2 possible options: Spot mode and Rotation mode.

ROTATION MODE is the default mode. It adds the playlists into the general programming and displays them in succession.

SPOT MODE makes the playlists exclusive, broadcasts only these playlists and interrupts the broadcast of other non-priority playlists.

With the TIME, DAY and WEEKDAY options, you have the flexibility to display your playlists at a specific time and for a specific period.

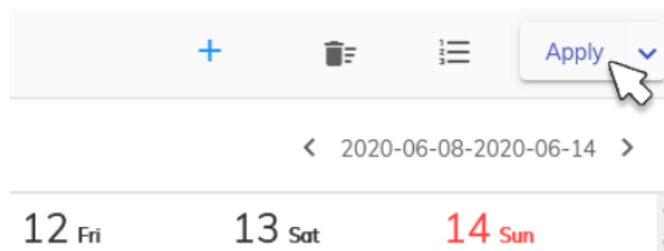
Click CONFIRM to add the playlist to the schedule.



The screenshot shows a 'Playlist' configuration window. At the top, there's a 'Playlist' label and a search bar containing 'Restaurant' with a plus icon to its right. Below this, there are two radio buttons: 'Spot Mode' and 'Rotation Mode'. 'Rotation Mode' is selected, and a note '(Spot Mode > Rotation Mode)' is next to it. Underneath, there are three toggle switches: 'Specific Time' (selected), 'Specific Day' (selected), and 'Specific Weekday' (selected). The 'Specific Time' section shows 'From' and 'To' times in HH:MM:SS format. 'From' is 00:00:00 and 'To' is 23:59:59. The 'Specific Day' section shows a date range: '2020/06/11 12:00:00 AM ~ 2020/06/11 11:59:59 PM'. The 'Specific Weekday' section shows checkboxes for days of the week: Mon (unchecked), Tue (checked), Wed (checked), Thu (unchecked), Fri (checked), Sat (checked), and Sun (unchecked). At the bottom right, there are 'Cancel' and 'Confirm' buttons.

Publish the schedule on your terminal

When all your programming is done, you must click on **APPLY** in the upper right to save your schedule and **publish it all in your terminal**.



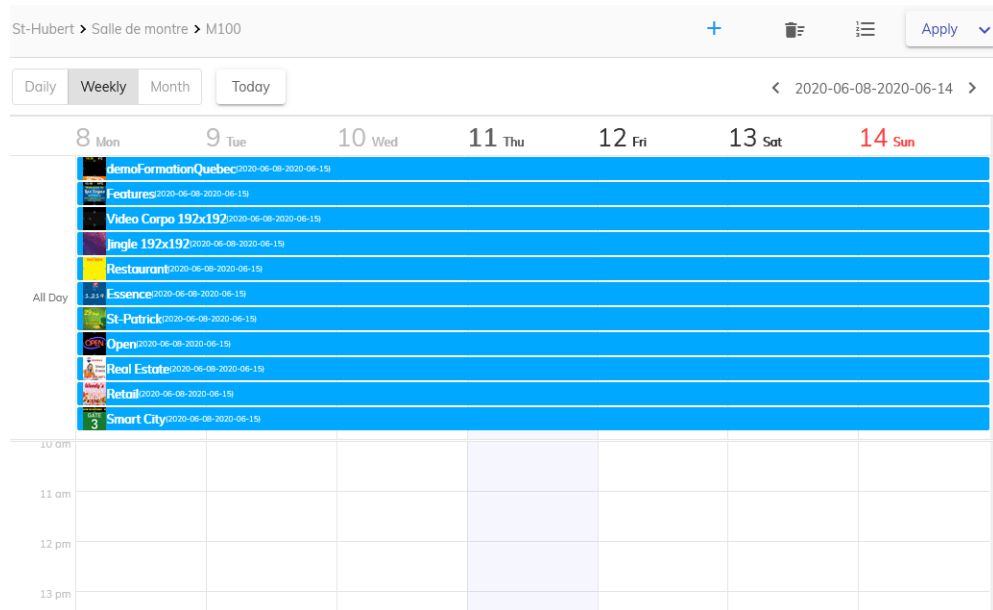
It will update itself within a few seconds.

If your schedule is very full with programs, you can change the display by clicking on the playlist icon in the upper right.

Remove a playlist from the schedule

Each **program** can be edited individually and deleted, if necessary.

Click on the playlist to edit In your schedule.



You can edit the settings in the modal window but you can remove the playlist from your schedule by clicking DELETE on the lower left.

Playlist

Features

☐ Spot Mode ☒ Rotation Mode (Spot Mode > Rotation Mode)

☐ Specific Time (Current Whole Day)

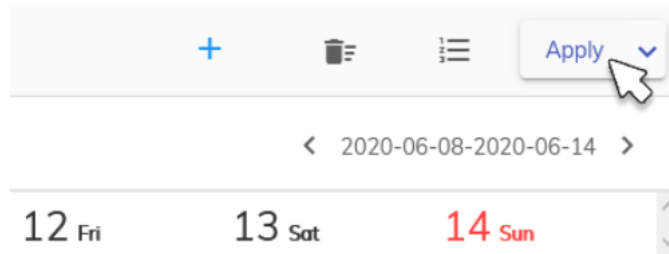
☐ Specific Day (Current Every Day)

☐ Specific Weekday (Current Every Day)

Delete Cancel Confirm

Click on APPLY to approve your schedule modification.

Your display will update its broadcast.



You are now ready to get the most out of your Nummax terminal!

Produce your content

You are equipped with a Nummax terminal and you are ready to use our Nummax Manager AIO broadcasting software. It is important that your image and video media are already calibrated, edited and finalized before loading them into the software.

Whatever your version of Nummax Manager, it is not video editing or photo editing software.

You can do some basic editing (slideshow, link sequences, display information [clock, weather, RSS feed, ...]) See our [Create a playlist](#) chapter. But you may have a need for more advanced marketing preparation.

So how do you do it?



You can use a communication agency or a computer graphics service provider to prepare your content, but you can also create your media yourself using a variety of software.

Free content creation software

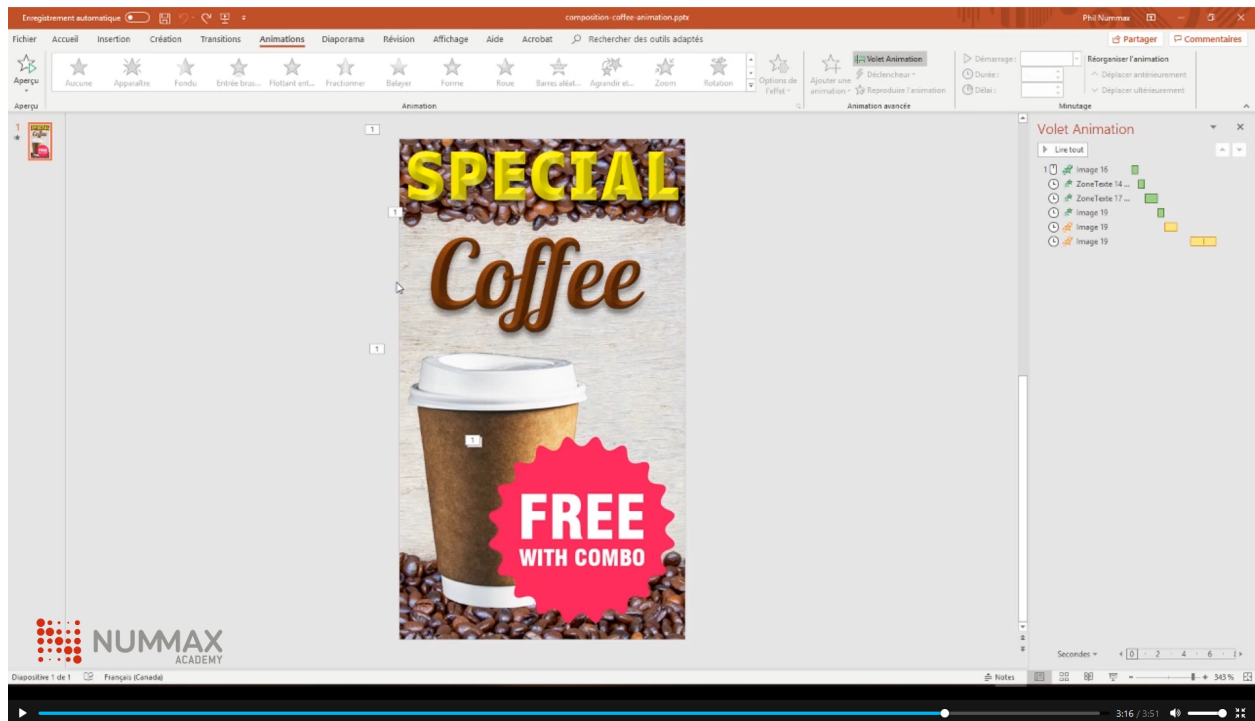
There are many professional, paid software programs you can use to edit video sequences or make photo montages, but you can also use free equivalents that work on both PC and Mac.

Paid software	Free software	Link
Photo processing		
Photoshop CorelPaint	Gimp	gimp.org
Video editing and special effects		
Premiere Pro AfterEffect Final Cut Motion5	Openshot	openshot.org
Presentation		
PowerPoint Keynote	OpenOffice Impress	openoffice.org
Vector Drawing		
Illustrator CorelDraw	Inkscape OpenOffice Draw	inkscape.org openoffice.org
Video Player/Converter		
Adobe Media Encoder	VLC	videolan.org

All your creations can be exported in image or video format and uploaded to Nummax Manager.

Prepare your content with PowerPoint

If you would like to work with PowerPoint, visit our nummax.com/academy/ page in the video section and watch our video "Creating your content with PowerPoint."



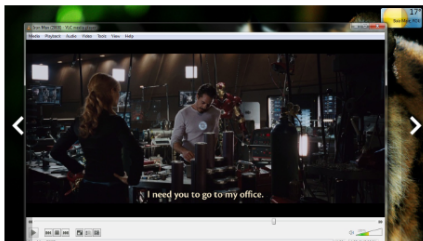
Convert your videos into .mp4 with VLC

Finally, a very practical and free tool is the VLC video player, which is capable of converting video standards. You will be able to convert all your video sequences into .mp4 if they are in another standard.

Go to videolan.org, download and install the reader.

Videolan, a project and a non-profit organization.

Partners
Video Unified



VLC media player

VLC is a free and open source cross-platform multimedia player and framework that plays most multimedia files as well as DVDs, Audio CDs, VCDs, and various streaming protocols.

Download VLC

Version 3.0.8 • Windows 64bit • 40 MB
95,067,414 downloads so far



Other projects from VideoLAN

FOR EVERYONE



VLC media player

VLC is a powerful media player playing most of the media codecs and video formats out there.

FOR PROFESSIONALS



DVBlaster

DVBlaster is a simple and powerful MPEG-2/TS demux and streaming application.

multicat

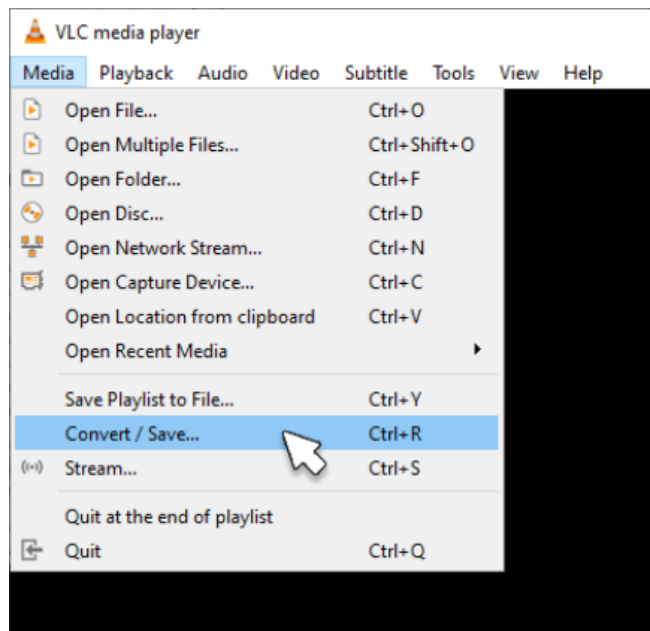
FOR DEVELOPERS

libdvdcss

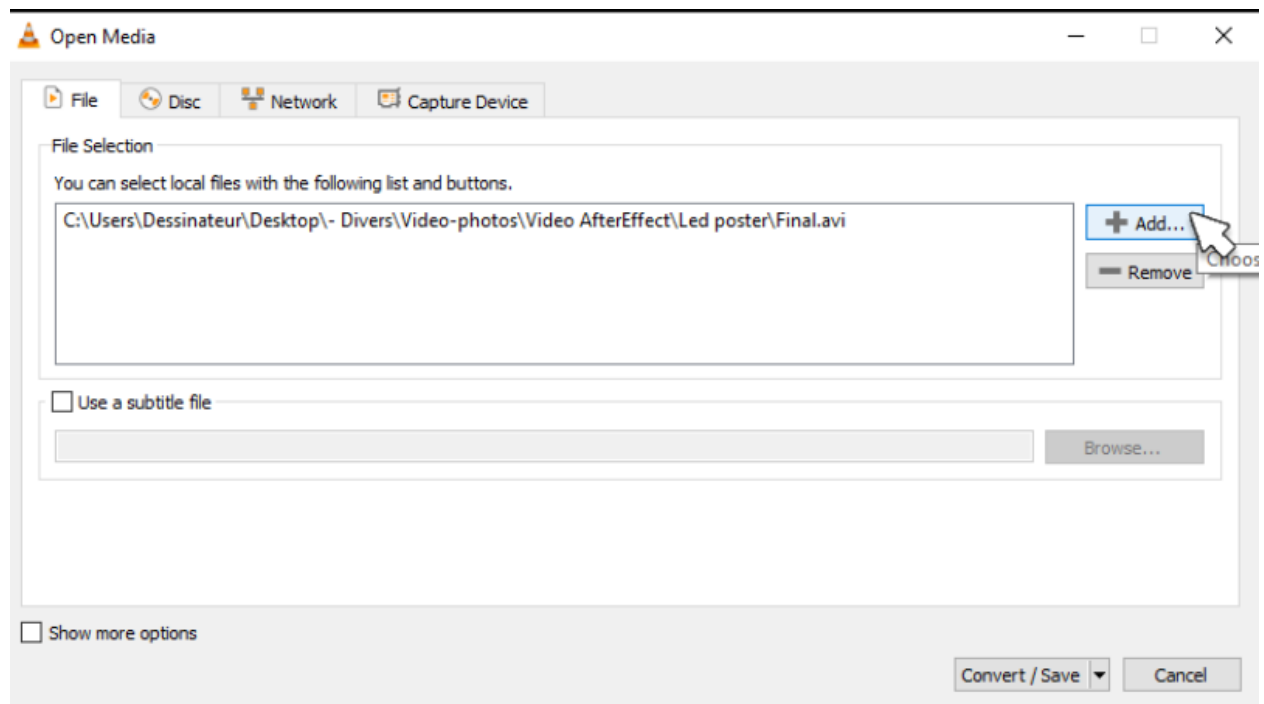
libdvdnv

libdvdpri

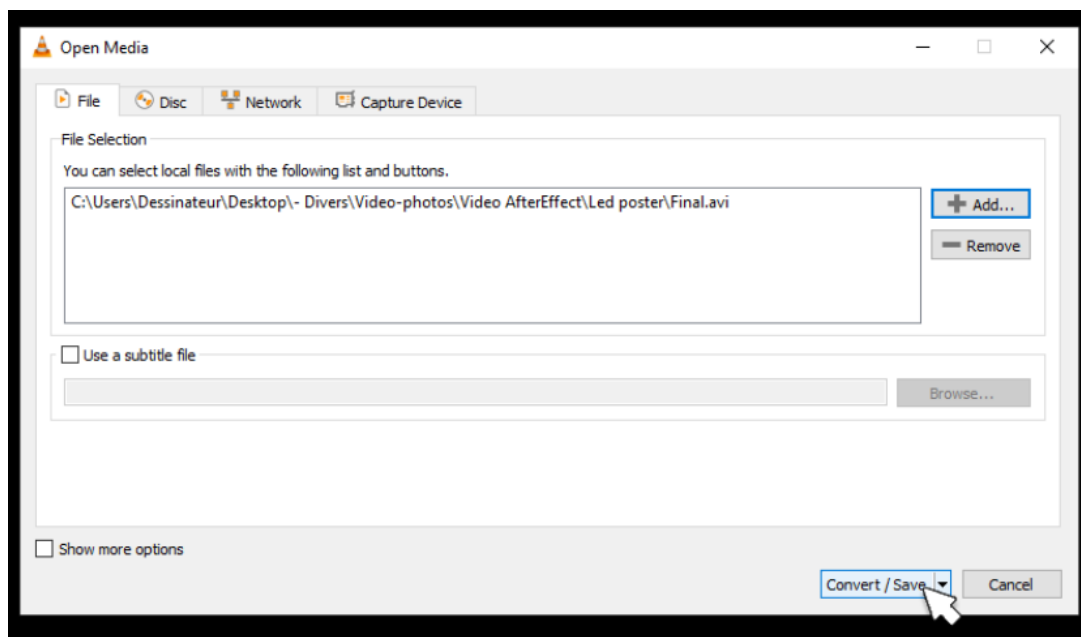
In the upper left menu, click on MEDIA > Convert/Save.



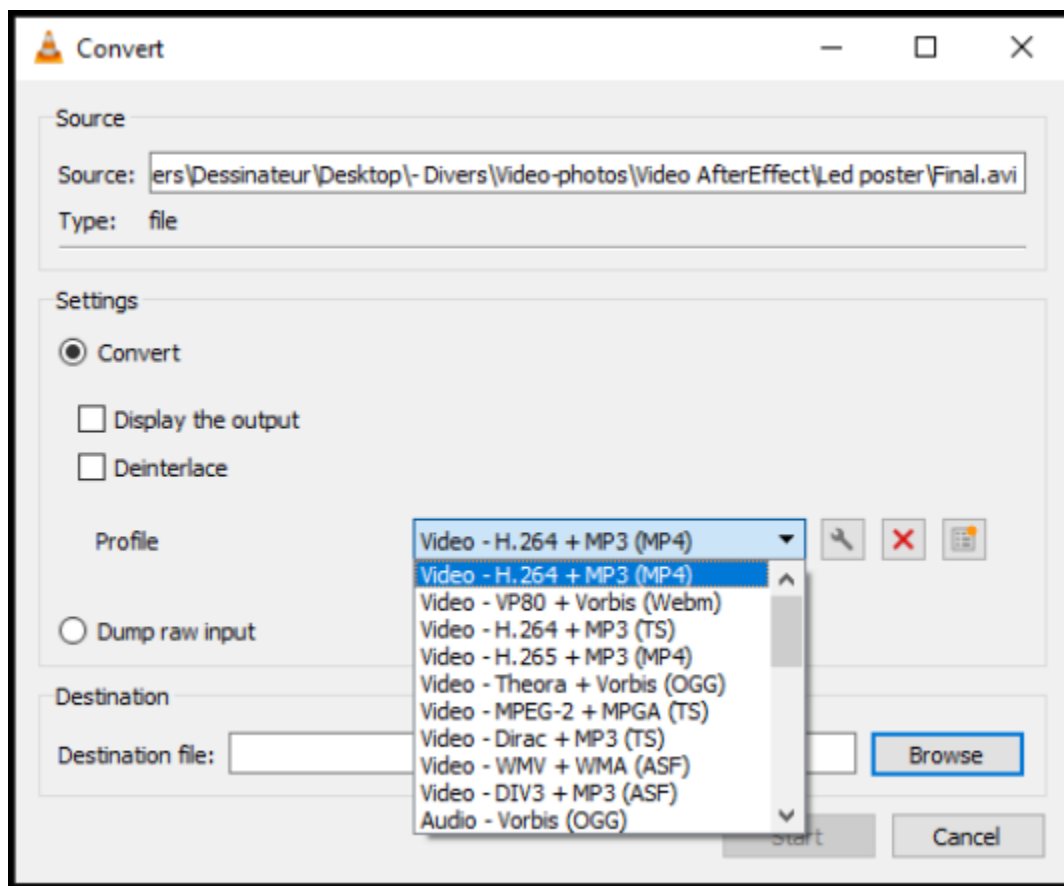
Click ADD and find the file to convert.



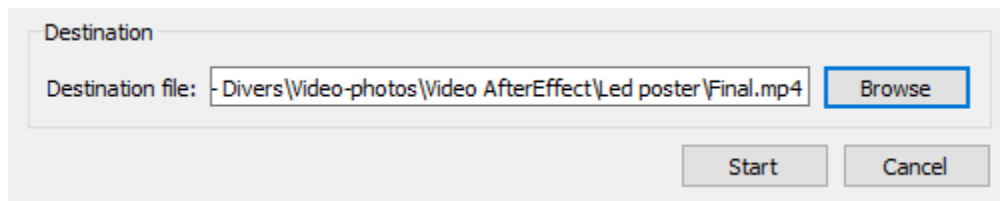
Click CONVERT/SAVE.



In Profile, choose Video - H.264+mp3 (mp4).



Click BROWSE and choose your destination file for the conversion.
Then click on START.



Destination

Destination file: Divers\Video-photos\Video AfterEffect\Led poster\Final.mp4

Browse

Start Cancel

Wait for the file to convert.

Your mp4 files can be uploaded to Nummax Manager.