

Creating, running and customising light scenarios with Light Stream Player

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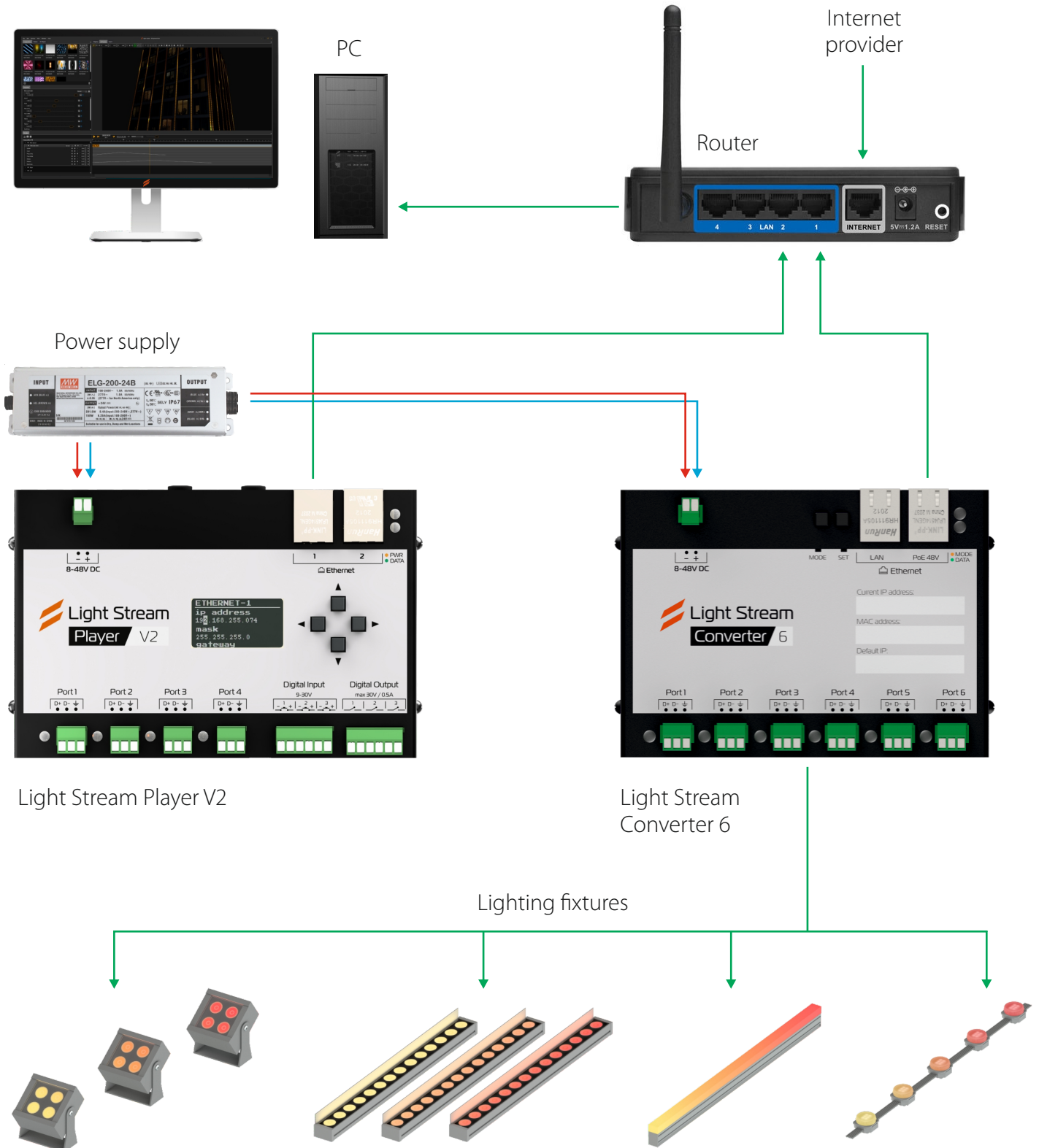
Equipment

- Light Stream Player V2
- Light Stream Converter
- Software Light Stream



Connection

Wiring diagram



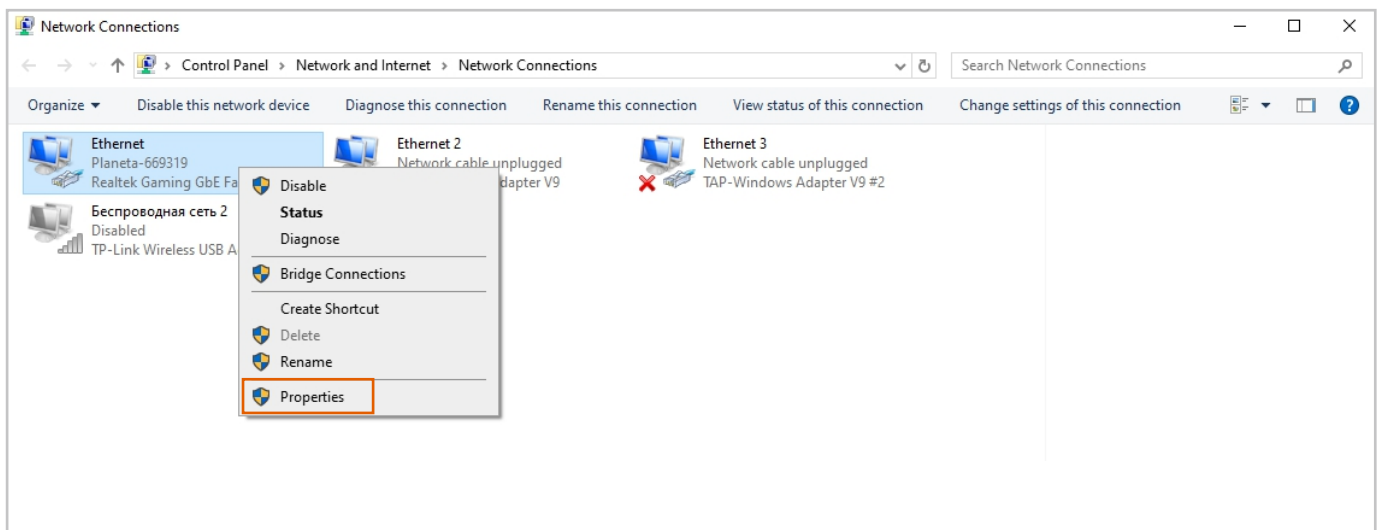
Access to Light Stream Player

Access to Light Stream Player is carried out using a web-browser at a given IP address from a computer, phone or tablet with Internet access.

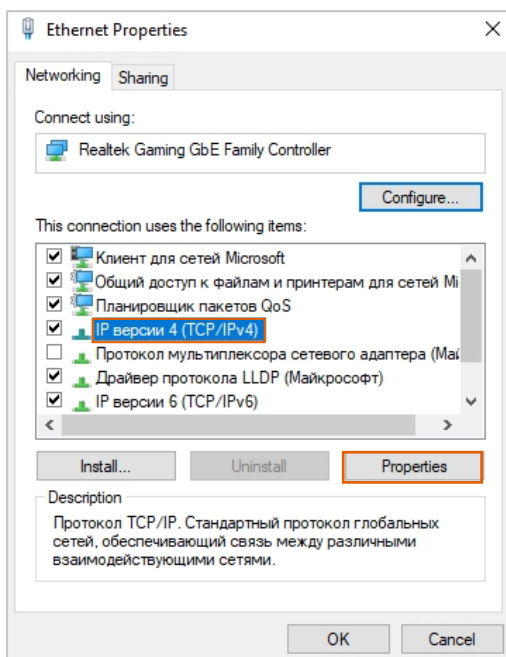
In order to connect, the Network card and Light Stream Player must be on the same subnet. If necessary, change the IP address of the network card.

Example: Windows 10

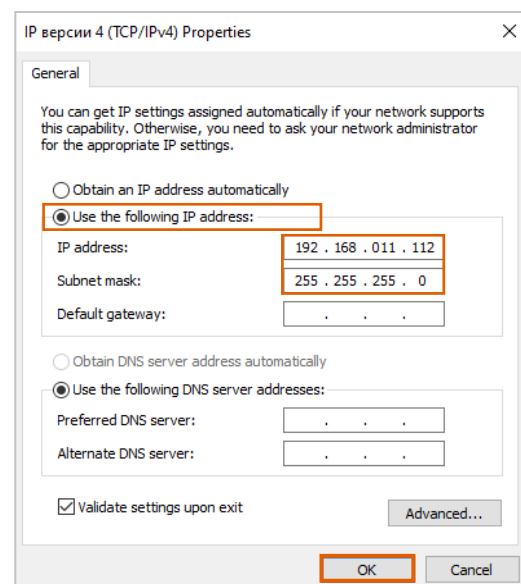
1. Go to Network Connections (Control Panel/Network and Internet/Network Connections)
Select an active network connection right-click (right mouse button) and select **Properties**.



2. Next IP version 4 (TCP/IPv4) -> Properties.



3. Since Light Stream Player has default IP address: 192.168.0.205
For example IP address: 192.168.0.**112**
This address must be unique and must not be repeated with other devices on the network.
Subnet mask: 255.255.255.255.0



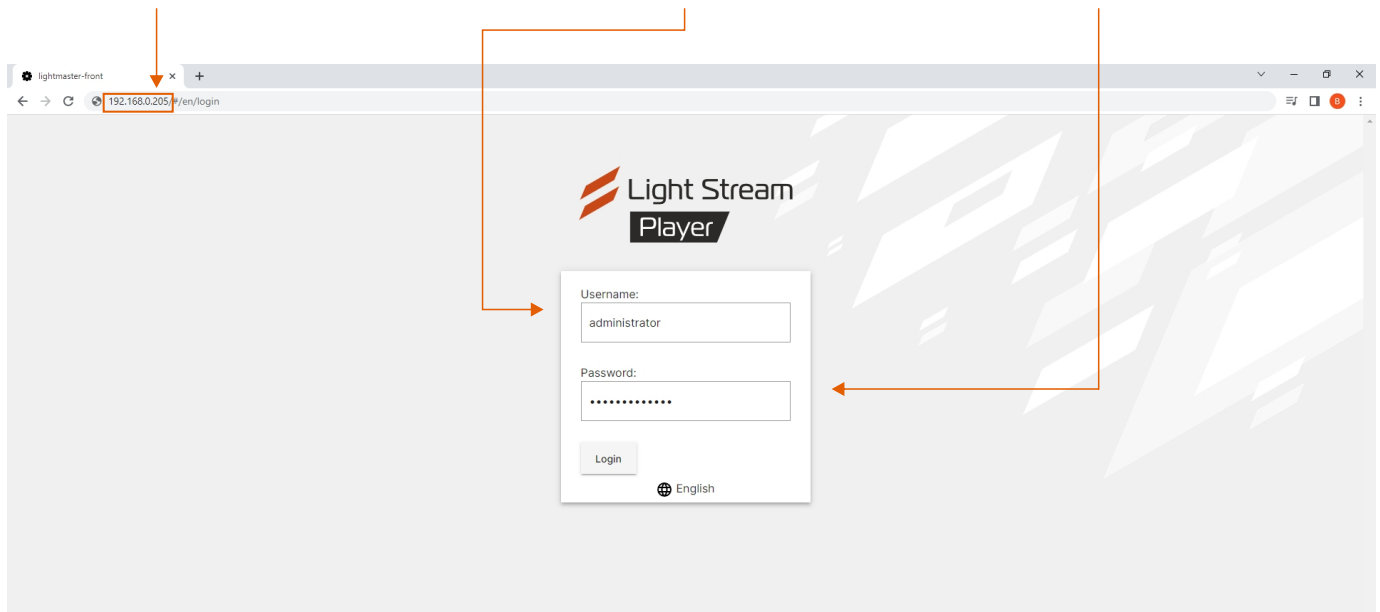
Next, go to your web browser and enter the following parameters.

Default access credentials:

IP address: 192.168.0.205

Username: administrator

Password: administrator



You are now in the interface of Light Stream Player.

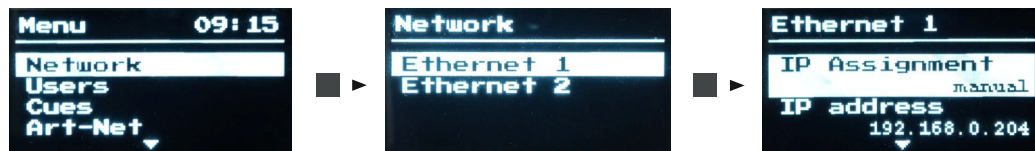
Then it is necessary to change the network parameters of Light Stream Player to complete the configuration.

Changing Light Stream Player network parameters

Network settings using the display and control buttons of the Player V2 menu.

In the Network section, you can view the current parameters:

IP address, mask, gateway and MAC address on Ethernet ports 1 and 2.



To change network settings from any item on the Ethernet 1 or 2 screen, press **■ ▶**.

Static IP configuration.



On the **IP Address** screen, place the cursor on the desired value and change the value using the **▲** and **▼**. To move to the next **NETMASK** screen, place the cursor on the rightmost digit and again press the button **■ ▶**.

On the **NETMASK** screen you can change the netmask using the buttons **▲** and **▼**. Next, press the button **■ ▶** to go to the **Set Gateway** screen.

If you need to set the IP gateway, select **Yes** and specify its IP address.



You will then return to the Ethernet 1 or 2 screen.

It will take another 2-3 seconds to update the network settings.

Retrieve network settings via DHCP.



On the **IP Assignment** screen, select **dhcp** and press **■ ▶**.

It will take another 2-3 seconds to update the network settings.

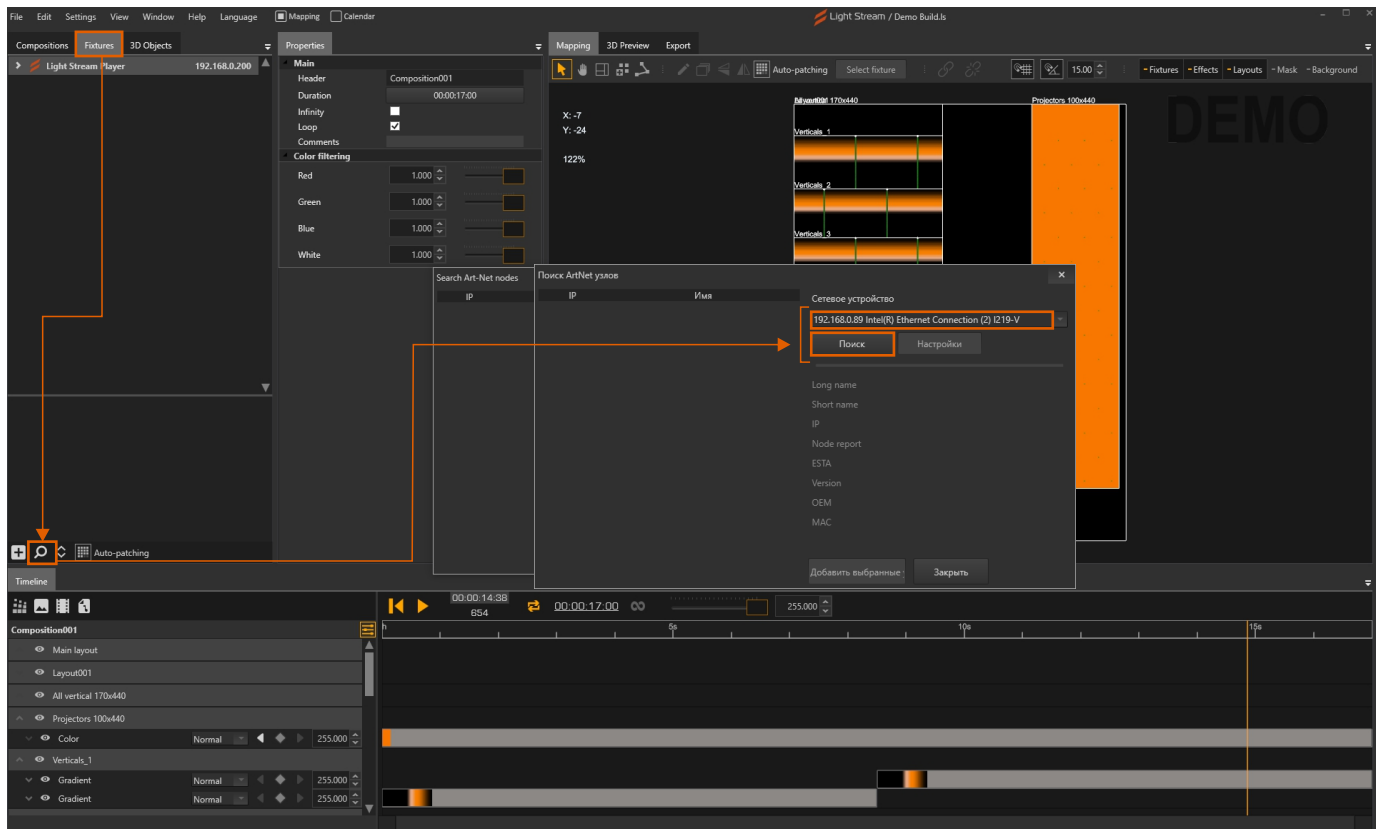
Changing Light Stream Converter network parameters

The network card and Light Stream Converter must be on the same subnet. If necessary, change the IP address of the network card.

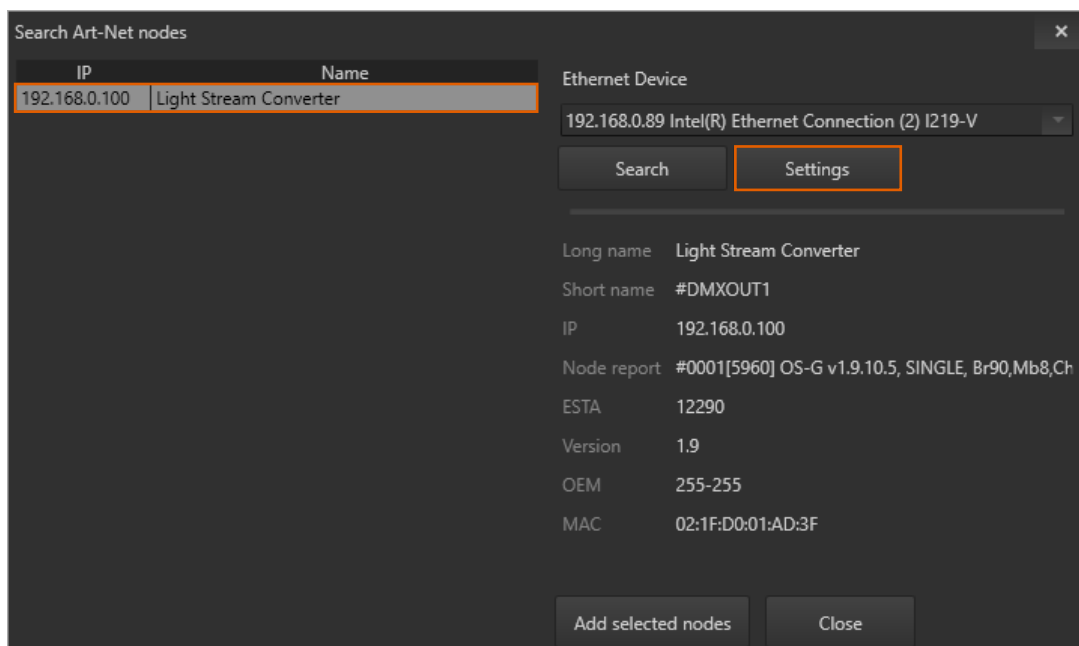
The default IP address and other data are indicated on the information label on the device.

Go to the Light Stream software then:

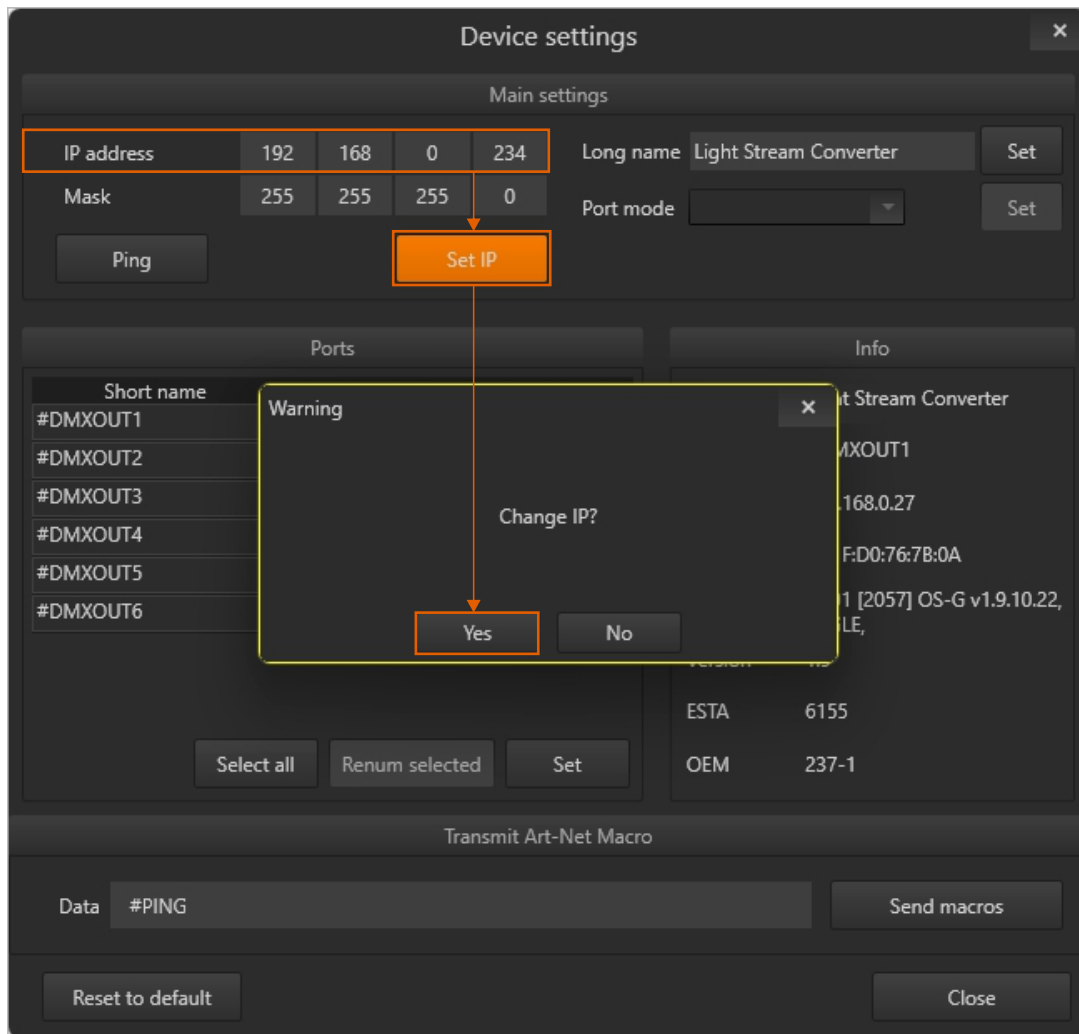
Fixtures->Search->Ethernet Device->Search



Highlight the found converter->Settings.



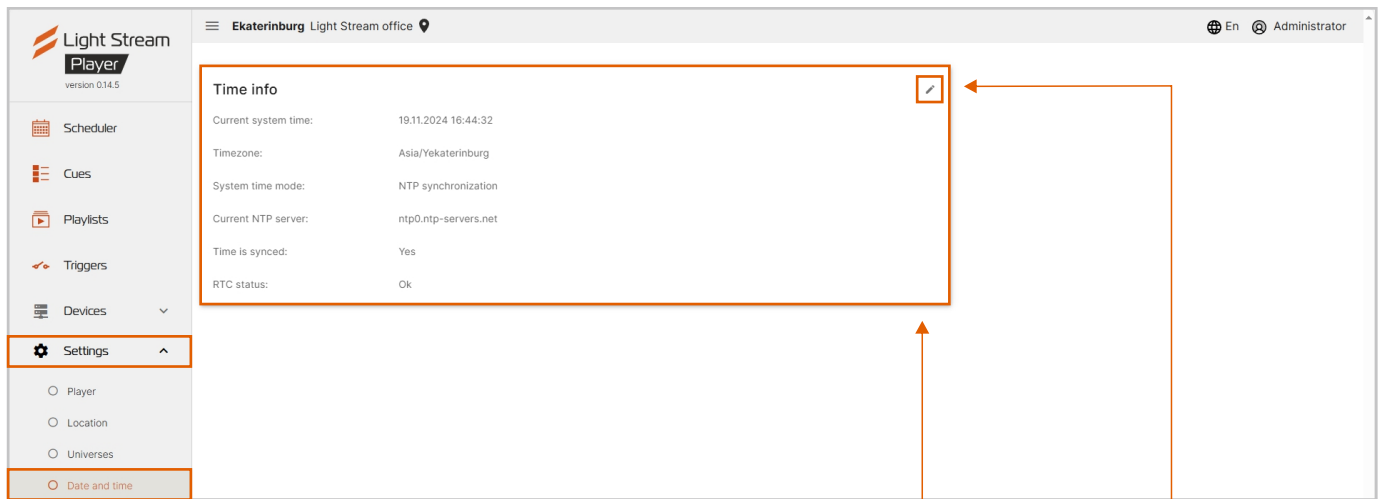
Change the IP address to the desired IP address.



Changing network settings Light Stream Converter is complete.

Setting the date and time

To configure network settings Go to Settings->Date and time



This tab contains a field with configuration of date and time settings «**Time info**» field

Current System Time

current date and time

Timezone

Time is synced


synchronisation status

System Time Mode

system clock configuration (synchronisation via NTP server or manual setting, operation from built-in RTC real-time clock)

To edit the settings, press the button 

In the fields that appear, if necessary, select the time zone, enter the addresses of the required NTP servers (primary and secondary), as well as set the date and time manually by selecting the "**Manual**" mode:

After changing the settings, you should press the button 

Caution: These settings may affect the operation of the Scheduler operating mode.

Adding Art-Net devices and universes

Further work will require adding devices and universes

Go to Settings->Universes and Devices

The screenshot shows the Light Stream Player interface. On the left is a sidebar with navigation options: Scheduler, Cues, Playlists, Triggers, Devices, and Settings. The 'Settings' menu is expanded, showing options for Player, Location, Universes, Date and time, Network, Security, Users, Update, Maintenance, and License. The 'Universes' section displays a grid of 22 device slots, each with a dropdown menu for device selection and an 'X' icon. The 'ArtNet Converters' section shows a table of existing converters with columns for Name, Network Mode, IP, Port, and Description. An 'Add ArtNet converter' button is highlighted in the top right of the table. An orange arrow points from this button down to the 'New Device' form.

Add devices and universes in two ways:

Method 1: Manually using the Add buttons.

Click Add ArtNet device

In the Add Devices window, fill in:

- **Name** - name of the device;
- **Network Mode** -unicast (preferred);
- **IP address** - network address of the device;
- **Port** - by default 6454;
- **Description** - description, e.g. scene number.

The 'New Device' form contains the following fields and values:

Name	Converter 1	Network Mode	unicast	ip address	192.168.0.205
Port	6454	Description	stage1		

Buttons: Cancel, Save

To add universes click Add Universe and in the opened window fill in:

- **Number** - number of the universe (numbering is end-to-end according to ArtNet v.4 protocol), additionally the number of the universe according to ArtNet v.3 protocol (Net.Subnet.Universe) is shown;
- **ArtNet Device** - select the previously added device.

The 'Add Universe' form contains the following fields and values:

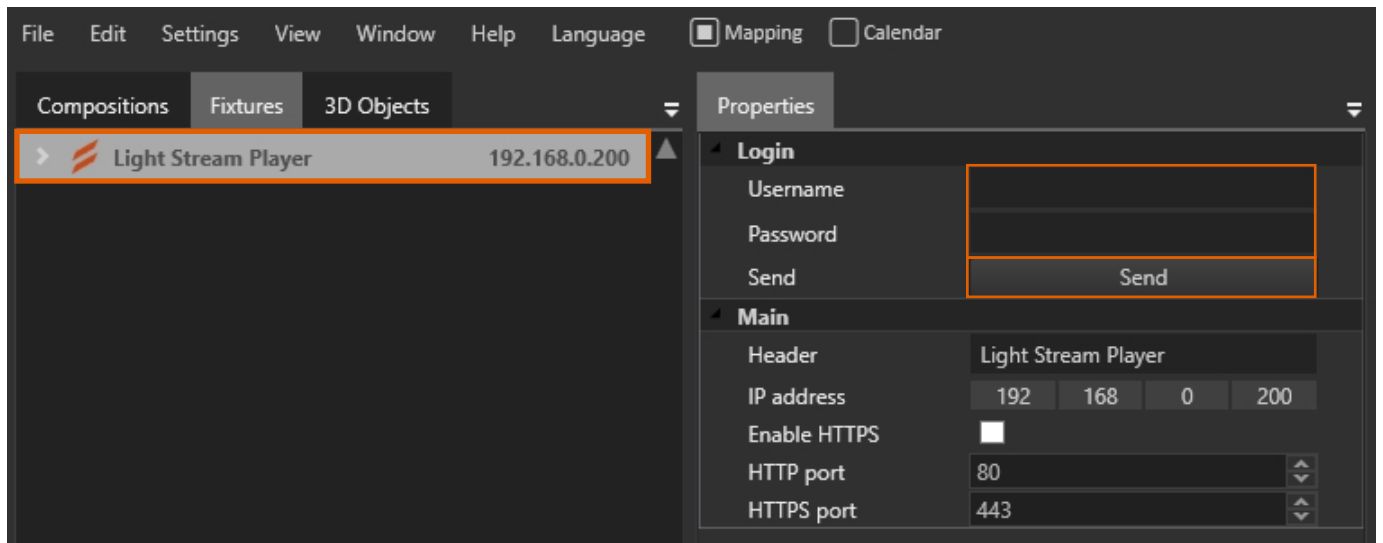
number	0	ArtNet Device	▼
--------	---	---------------	---

Port address: 0.0.0

Buttons: Cancel, Save

Method 2: Automatically by importing from Light Stream software.

Go to Light Stream, then: Fixtures->select Light Stream Player-> enter Username and Password->click Send button.



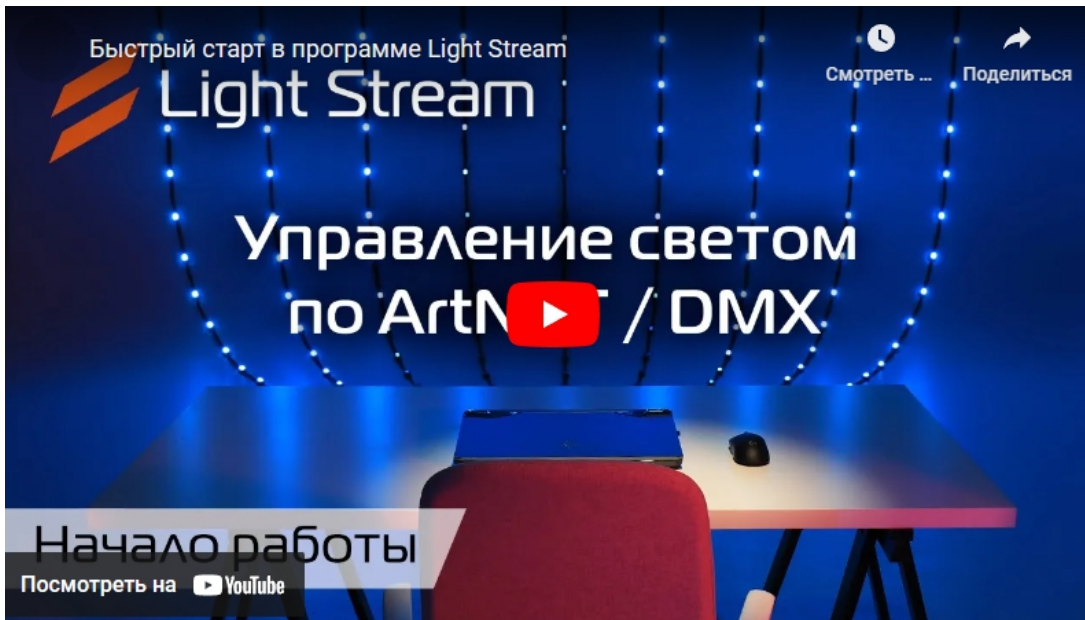
After that, refresh the page web-browser page of Light Stream Player.

ArtNet devices and universes added.

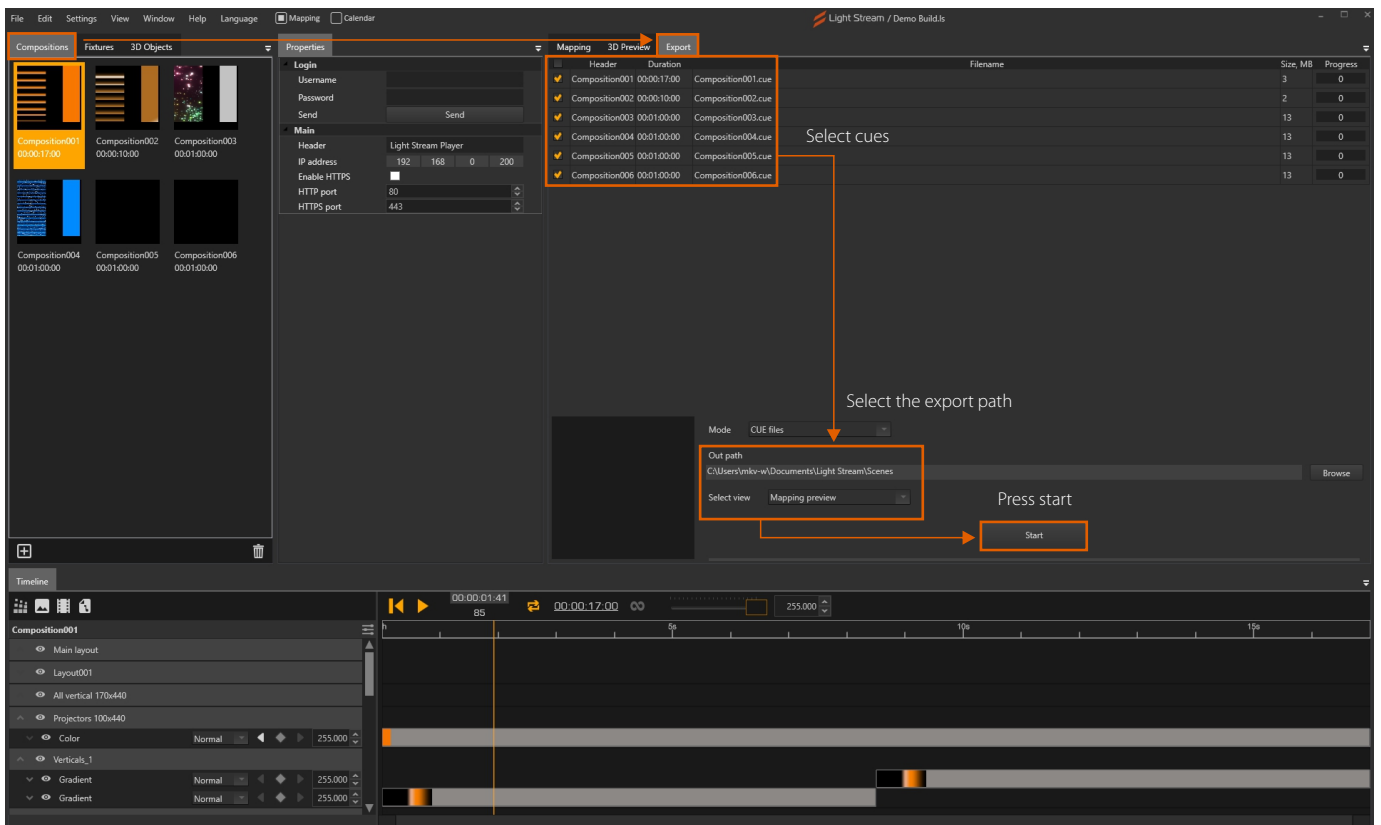
Creating and loading animations

You will need ready-made animations to download, and you can learn how to create them on our YouTube channel (<https://www.youtube.com/@lightstreampro/featured>) and, in particular, in the video (Quick Start in the Light Stream programme) at the link:

https://www.youtube.com/watch?v=7yMR__kkpFY&ab_channel=LightStream

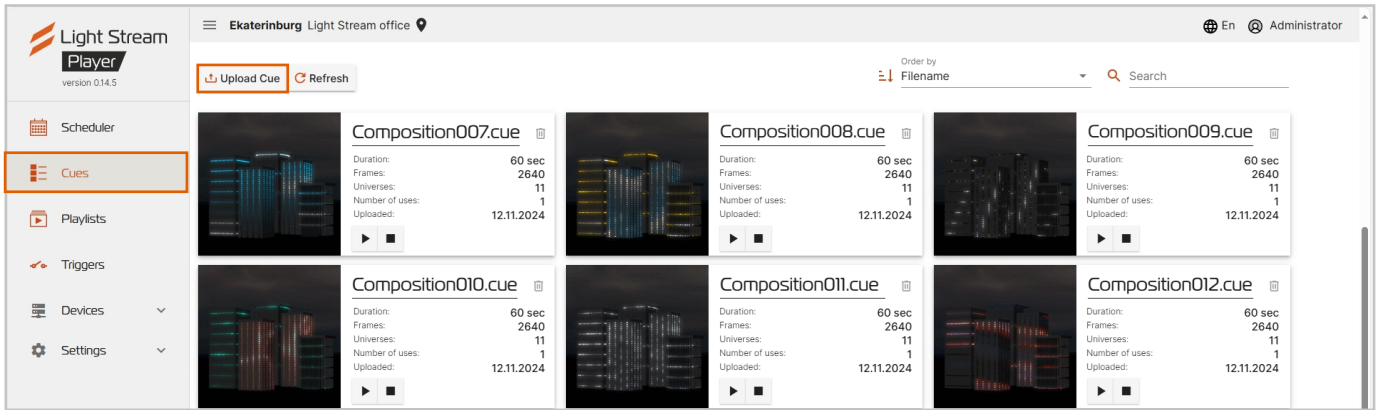


Export finished animations from the Light Stream programme



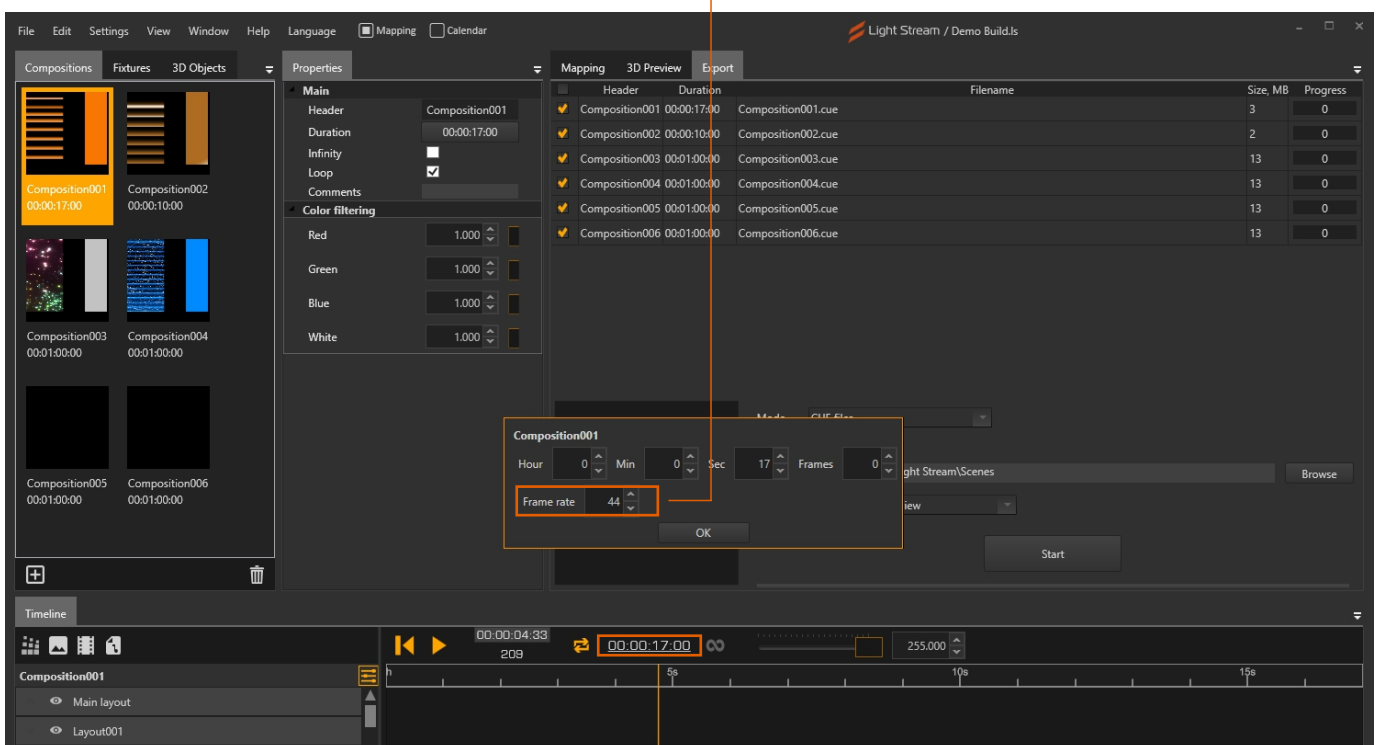
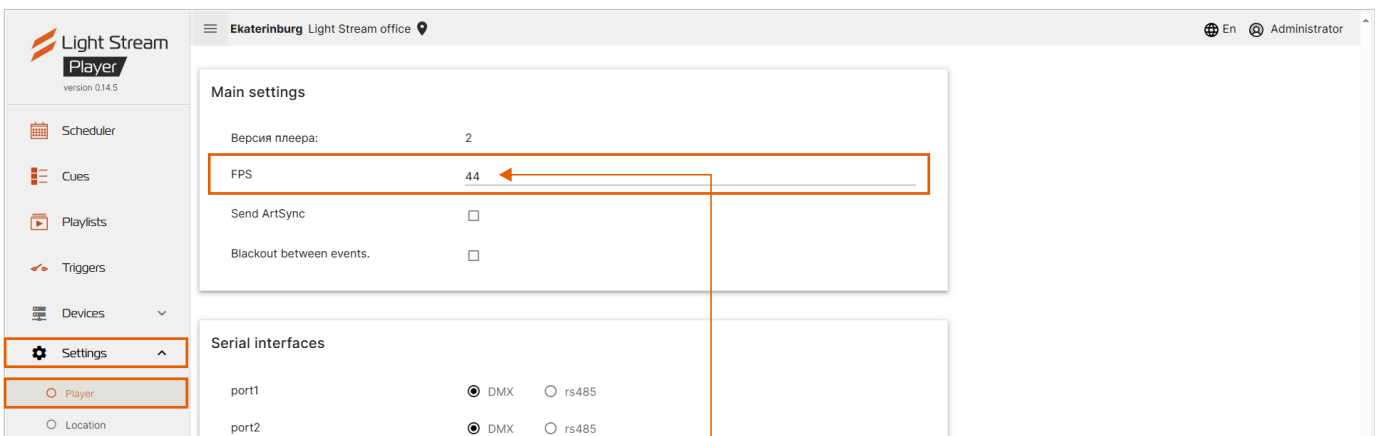
Then go to the web-interface of Light Stream Player and download ready animations

Cues tab-> Upload Cue button



Synchronise the frame rate of animations in the settings Light Stream and Light Stream Player software.

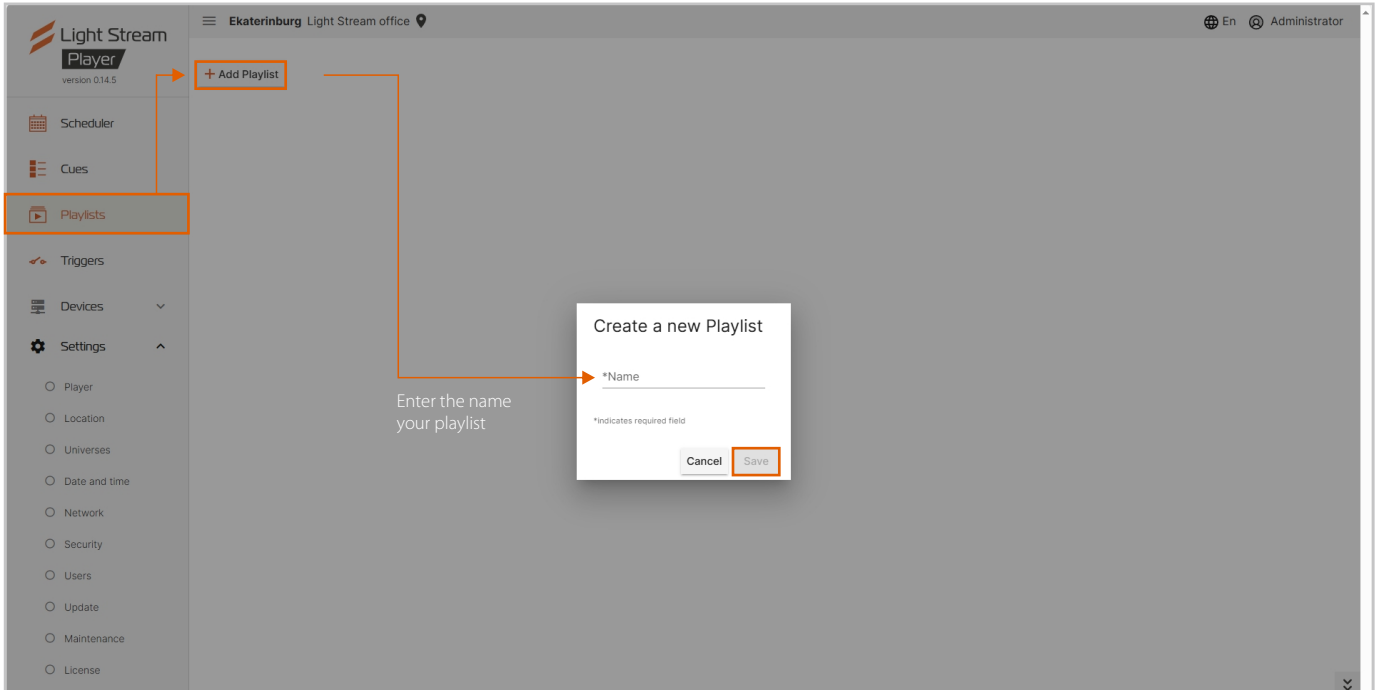
Go to Settings->Player tab, and in the FPS line, set the value equal to the Frame rate parameter (the window pops up when you press the left key during animation in Light Stream software).



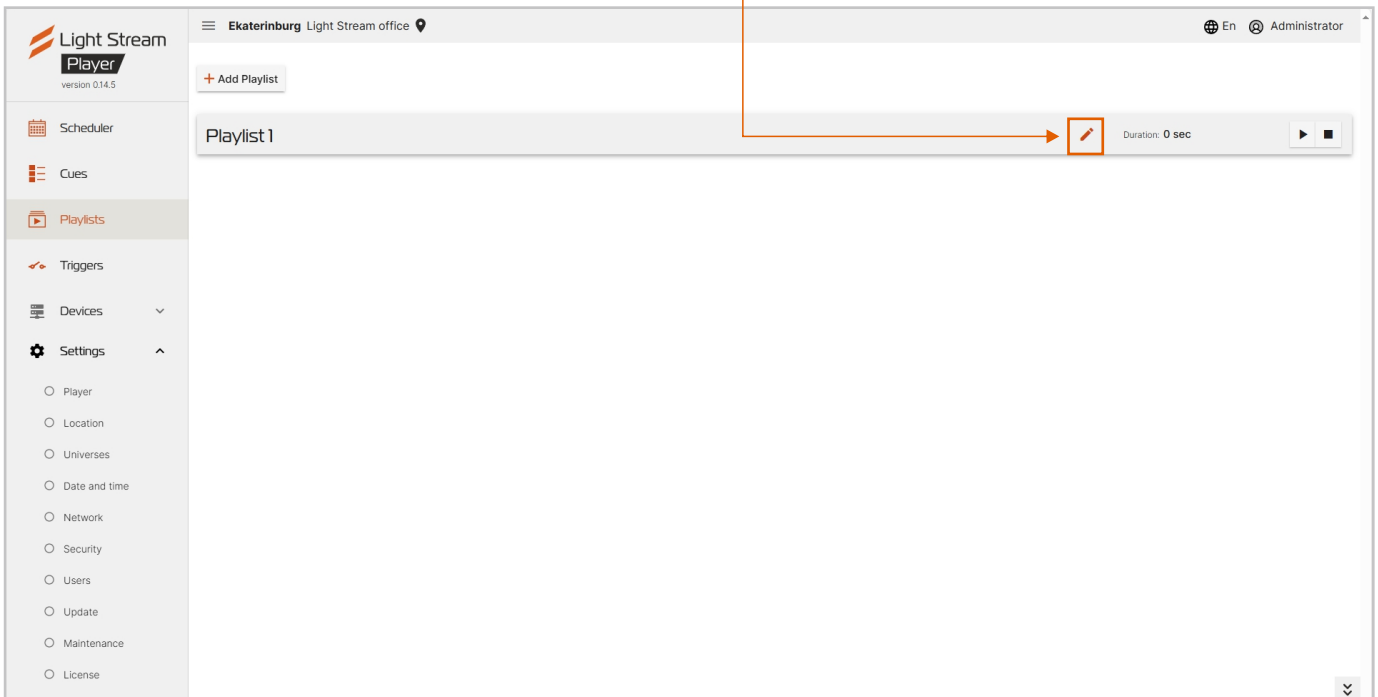
The animations have been uploaded

Creating a Playlist

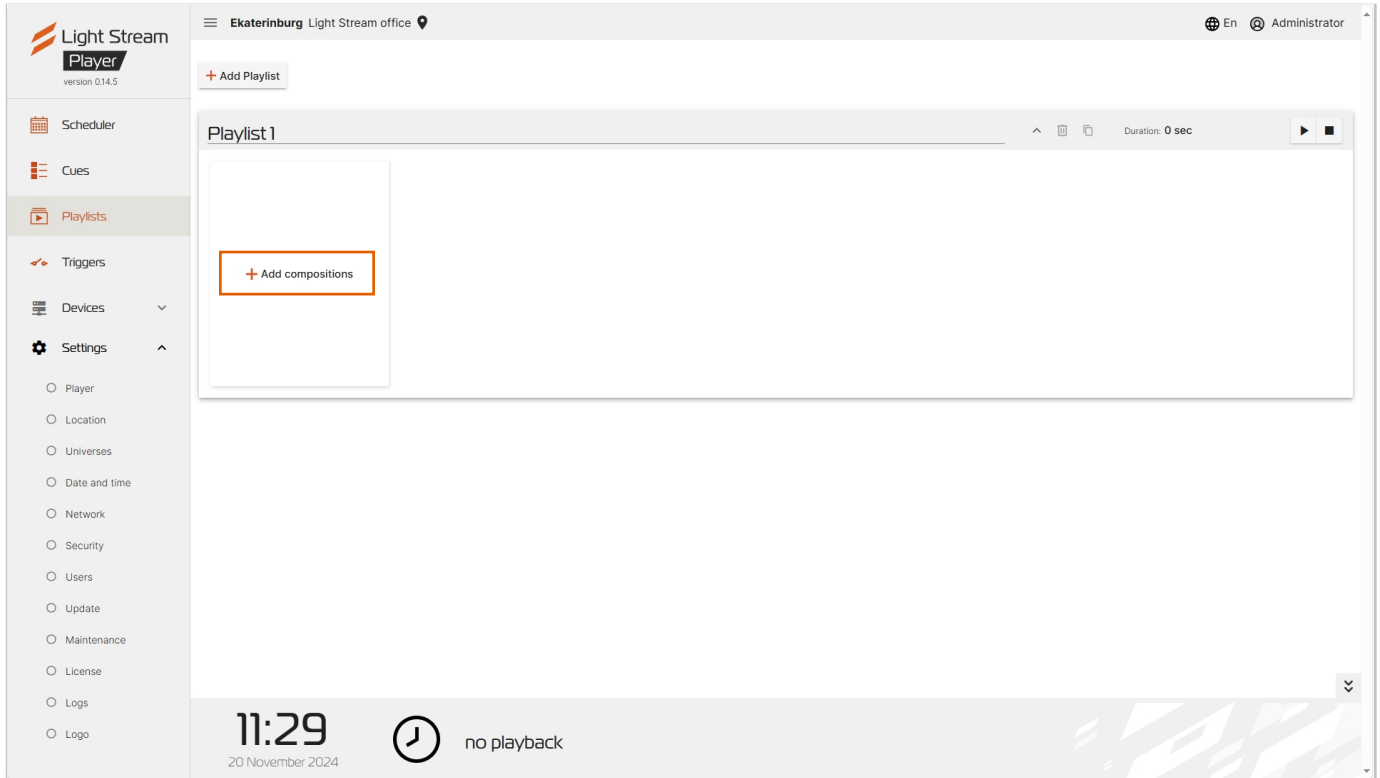
Go to the "Playlists" tab and click "Add Playlist".



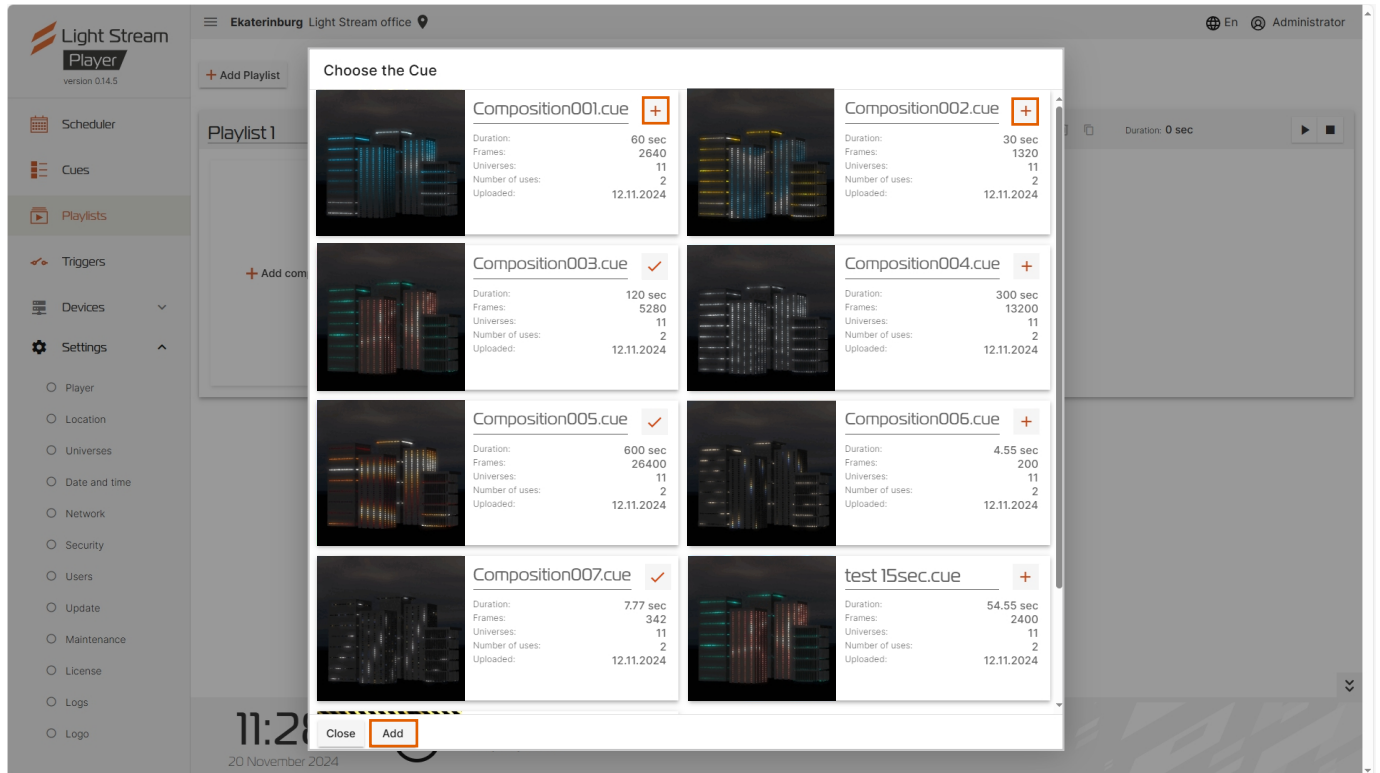
Add animations to playlist



Click **Add cue.**



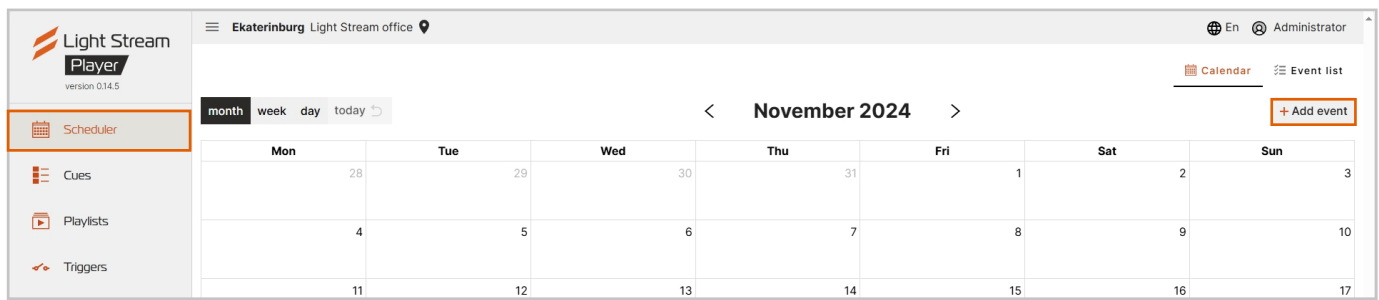
Select the desired animations and click **Add.**



Playlist creation is complete

Creating events and scenario

To create an Event, go to the tab **Scheduler->Event list->Add event**



Assign a title to the event
(Title line) →
and select the desired playlist
(Select playlist line).

Then there are two modes to choose from:

On-time is an event scheduled on a specific date and time. Select the date, start time and end time, or tick the All Day checkbox so that the event will be available for 24 hours of the selected date.

The 'New Event' form is shown with the 'On-time' mode selected. The form includes a title field, a 'Play' dropdown menu with 'animation' and 'playlist' options, and a 'Repeat' section with 'On-time' and 'recurrent' radio buttons. The 'On-time' radio button is selected. Below this, there are fields for 'Start Date' (2024-11-20) and 'End Date' (2024-11-21), each with a 'Time' field set to 00:00. A 'Priority' field is set to 1. A note at the bottom indicates '*indicates required field'. 'Cancel' and 'Save' buttons are at the bottom right.

Recurrent - recurring event

Select the date, start time and select the recurring event frequency mode event (line Frequency)

The 'New Event' form is shown with the 'Recurrent' mode selected. The form includes a title field, a 'Play' dropdown menu with 'animation' and 'playlist' options, and a 'Repeat' section with 'On-time' and 'recurrent' radio buttons. The 'recurrent' radio button is selected. Below this, there are fields for 'Start Date' (2024-11-20) and 'End Date' (2024-11-21), each with a 'Time' field set to 00:00. A 'Frequency' section includes radio buttons for 'YEARLY', 'MONTHLY', 'WEEKLY', 'DAILY', and 'HOURLY', with 'DAILY' selected. An 'Every' field is set to 1 day. Below this, there are 'From' and 'To' time fields, both set to 00:00. A 'When is the end?' section includes radio buttons for 'date', 'repetitions', and 'never', with 'date' selected. A note at the bottom indicates '*indicates required field'. 'Cancel' and 'Save' buttons are at the bottom right.

Read more about **Recurrent** mode.

There are several modes for selecting Frequency:

Hourly mode.

The time interval is set on a minute-by-minute basis:

Frequency:

YEARLY MONTHLY WEEKLY DAILY HOURLY

Every hour

from to minutes

Daily mode.

You can set the operating time and frequency in days:

Frequency:

YEARLY MONTHLY WEEKLY DAILY HOURLY

Every day

From To

Weekly mode.

You can set the days of the week and time, on which the created event will be triggered:

Frequency:

YEARLY MONTHLY WEEKLY DAILY HOURLY

Every week

mo tu we th fr sa su

From To

Monthly mode - selection of event operation on a certain day of the month:

Frequency:

YEARLY MONTHLY WEEKLY DAILY HOURLY

Every month

1 2 3 4 5 6 7 8 9 10 11
 12 13 14 15 16 17 18 19 20 21 22
 23 24 25 26 27 28 29 30 31

From To

Yearly mode - selection of a specific day of the year for the event operation:

Frequency:

YEARLY MONTHLY WEEKLY DAILY HOURLY

Every year

on

From To

For each of the Frequency modes, you can set the "When is the end?" option, meaning when the event should end.

Never

When is the end? date repetitions never

Selecting the number of **repetitions**.

When is the end? date repetitions never

Repetitions:

A specific end **date**.

When is the end? date repetitions never

End Date End Time

The Every days option means the repetition interval in days. If you set it to 2, then accordingly the event will be repeated every second day.

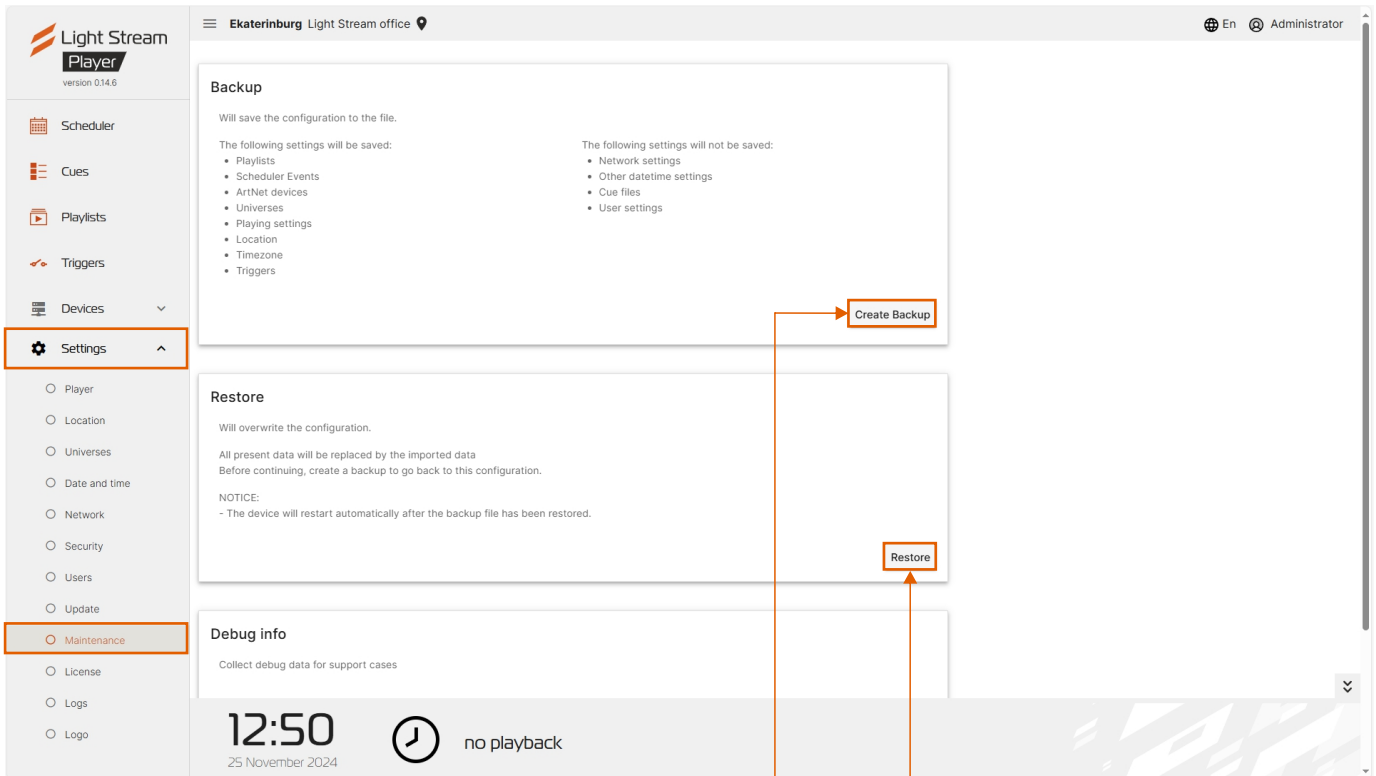
Every days

When the event configuration is complete, the **Save** button should be pressed.

Creating a backup

To save a backup copy settings or to transfer settings from one Player to another use the Backup function.

In the web-interface of Light Stream Player go to the tab **Settings->Maintenance**.



To create a backup, click the **Create Backup** button.

To download the backup, click **Restore**.

Congratulations!
The basic settings are done!