Light Stream
Player

The Light Stream Player is designed to playback light scenes using the ArtNET protocol, created in the Light Stream software or recorded from another ArtNET signal source. Easily control up to 200 universes per device. Scenes are saved in the built-in memory through the web-interface of the device.

Features

RDM support
Take full advantage of the RDM protocol.

Scheduler
Flexible settings for playing animations by time. Ability to create one-time, recurring and holidays playback events.

Remote Control
Remote control of the Player via the web interface or from your own software via the rest and MQTT API.

Astronomical relay
Playback time control based on sunset and sunrise. Geolocation is specified in the settings.

Playlists
You can create playlists from cue scenes and apply smooth transition effects between them or through fade to black.

High perfomance
The ARM processor and high-speed eMMC memory allows you to playback up to 200 universes simultaneously.

Backup & Update
Possibility to save settings and update software via web interface.

Triggers
Playback animation when external events occur. External events can be external ArtDmx signal or your own udp package format.
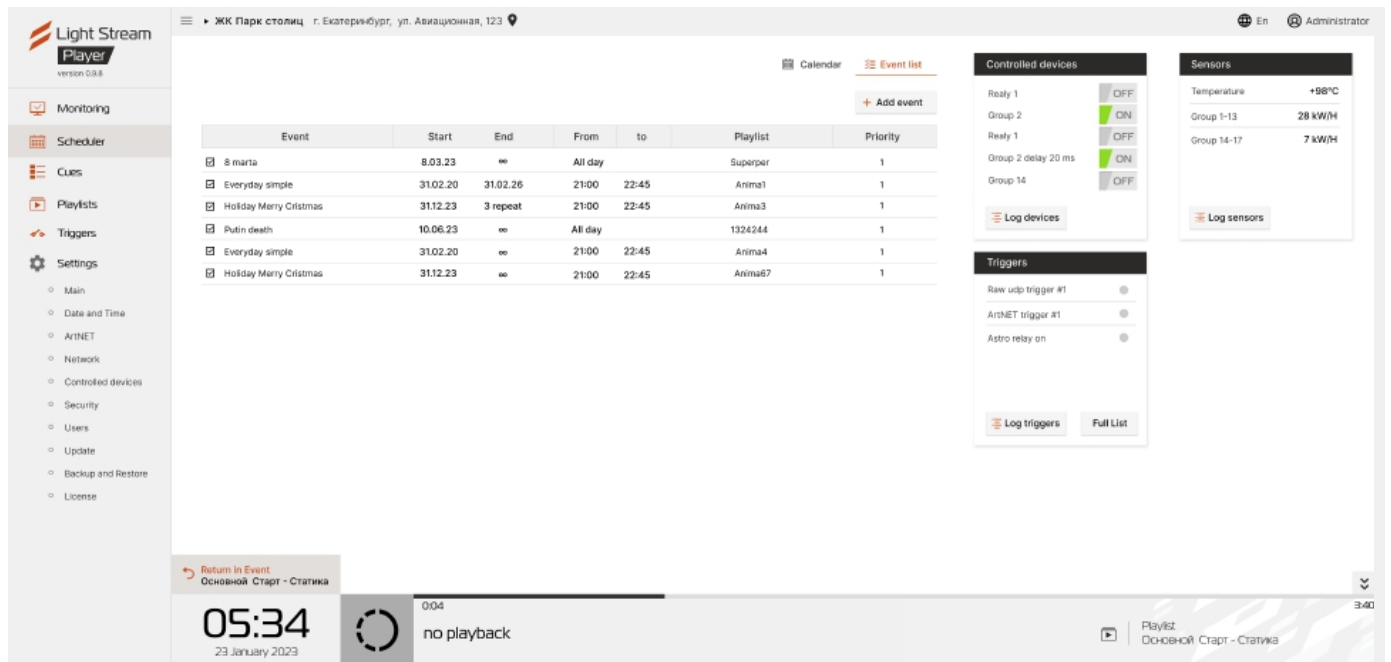
Automation
You can create complex automation scenarios using Node-RED and industrial automation protocols (Modbus, etc.).

Dimensions

124 mm

35 mm

91 mm

Light Stream
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Power IN 12-36V DC

RS-485   DI-0   DI-1
+ A B GND – + – +

– RX TX GND

RS-232   DO-0   DO-1   Ethernet   USB   HDMI   LED

Wi-Fi
SIM
USB-C
for console
32GB

Current IP address:

Default IP: 192.168.0.205

LED indicator:
Power   eMMC   4G on

4G

Web interface

You access the player from anywhere via a web interface and can monitor, control playback and configure it remotely.

Light Stream
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version 0.9.8

Monitoring
Scheduler
Cues
Playlists
Triggers
Settings
○ Main
○ Date and Time
○ ArtNET
○ Network
○ Controlled devices
○ Security
○ Users
○ Update
○ Backup and Restore
○ License

≡   ► ЖК Парк столиц   г. Екатеринбург, ул. Авиационная, 123   En   Administrator

Calendar   Event list
+ Add event

Event		Start	End	From	to	Playlist	Priority
☑	8 marta	8.03.23	∞	All day		Superper	1
☑	Everyday simple	31.02.20	31.02.26	21:00	22:45	Anima1	1
☑	Holiday Merry Cristmas	31.12.23	3 repeat	21:00	22:45	Anima3	1
☑	Putin death	10.06.23	∞	All day		1324244	1
☑	Everyday simple	31.02.20	∞	21:00	22:45	Anima4	1
☑	Holiday Merry Cristmas	31.12.23	∞	21:00	22:45	Anima67	1

Controlled devices

Realy 1	OFF
Group 2	ON
Realy 1	OFF
Group 2 delay 20 ms	ON
Group 14	OFF

Log devices

Sensors

Temperature	+98°C
Group 1-13	28 kW/H
Group 14-17	7 kW/H

Log sensors

Triggers

Raw udp trigger #1
ArtNET trigger #1
Astro relay on

Log triggers   Full List

Return in Event
Основной Старт - Статика

05:34
23 January 2023

0:04
no playback

3:40

Playlist
Основной Старт - Статика

Web application interface.

Technical Specifications

Ergonomics

Case	Metal body & Anodized Aluminium passive radiator cooling, with ABS plastic mounts for mounting on DIN rail
Weight	220 g
Dimensions	124 mm • 68 mm • 35 mm

Interfaces

Physical interface	1 x RJ45 ethernet port support 10/100M/1000M 2 x USB 2.0 Port 1 x HDMI 2.0 2 x DI isolated (DC input - 24V, current - 1000mA) 2 x DO isolated (Output - under 60 V, current - 500 mA) 1 x isolated RS-485 (port DMX512) 1 x RS-232
Cellular	4G/LTE module (Optional)
Interface power connector	Cable cross section max. 0.75 mm^2

Hardware

Processor / Frequency	4 Core x ARM Cortex-A72 • 1500 MHZ
RAM	4 Gb, LPDDR4
Flash memory	32 Gb, eMMC
RTC module	built-in
Input Voltage	12-36V DC via power connectors, up to 12 W

ArtNet

Version	4.0
ArtDmx sending mode	Broadcast, Unicast
ArtSync	Available
RDM Support	support over ArtRDM

Number of Universes ArtNET

Depends on the type of license	4U, 8U, 32U, 96U or Unlimited (300U max)

Operating conditions

Operating Temperature	-30°C to +50°C
Storage temperature	-40°C to +70°C
Humidity	5% to 85%, non-condensing
Discharge resistance	Air discharge ± 15 kV DC
IP rating	IP20
Warranty	2 years of limited manufacturer's warranty

Service

The connection cables and wires must be in good condition and securely fastened.There is no need to install updates on the device if it is in good working order and no new functionality is required. Before upgrading it is recommended to make a Backup version of the system in order to return to the previous version.

Safety

- Do not expose this unit to rain or moisture, it will void the warranty.
- Do not remove cover, no userserviceable components inside.
- Never connect this unit to a dimmer.
- Never connect 0V to electrical ground.

Package contents

- Light Stream Player
- Network cable
- Connector

Certification