SOLUS

Technical Document and User Guide

English

ZENOPIX SOLUS

TECHNICAL DOCUMENT AND USER GUIDE

1st Version June 2025
Thank you for choosing Zenopix® SOLUS.

Please read this booklet and the product user manual before using the product. You can access the user manual on our website.

If you experience any technical issues, you can contact our company using the information below and receive technical support.

ZENOPIX® Elektronik
Limited Company.
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Copyright Information and Disclaimer

Safe Use

Use the device only in dry environments (indoor use). The device has an IP rating of IP20. Do not use the device in humid environments and avoid contact with water or other liquids. If the device will not be used for an extended period, turn off the power. Galvanic isolation is always recommended. Do not remove any parts from the unit or connect it to an ungrounded circuit. Do not connect the unit to LEDs that are already powered on. Only connect the unit to LEDs and controllers that are initially powered off. There are no user-serviceable parts inside or outside the interface. Repair services are the responsibility of the manufacturer only. If the interface appears to be faulty, please contact your dealer. After the warranty period expires, if possible, you may contact your supplier or manufacturer for repairs subject to an individual service fee. This device is intended for use by professionals only. It is not designed to be operated by untrained individuals or children.

Warranty Information

Zenopix SOLUS is covered by the manufacturer's warranty. For detailed information, please refer to the product's warranty certificate or visit our website.

Box Contents

1x Zenopix SOLUS
1x Terminal Block Bag
1x Adapter
1x Technical Document and Introduction Guide
1x Warranty Certificate

NOTE: After opening the package, check the contents and the condition of the interface! If anything is missing or damaged, please contact your supplier. Do not use the device if it appears damaged!

Information Regarding Human and Environmental Health

If the instructions in the user manual are followed completely, this device poses no risk to human health or the environment. The device must not be disposed of as regular waste; it should be taken to collection centers (electronic and electrical equipment recycling points). It must be recycled or disposed of in a way that does not harm nature or human health.

Introduction

Zenopix Solus and the Zenopix Art-Net Recorder software eliminate the need for an on-site computer. Record your Art-Net data using the Zenopix Art-Net Recorder, then distribute it through an Ethernet switch to all Art-Net-to-DMX converters. This setup lets you connect multiple devices simultaneously and control up to 32 Art-Net DMX universes.

Technical Specifications

Input Voltage Range	12–24 V DC (Adapter or Terminal)
Power Consumption	< 5 W (During Normal Operation)
Network Protocol	Art-Net
Number of Art-Net Universes	Up to 64 Universes
Ethernet	1x RJ45, 10/100Mbit/s
Status LED	2 Units
Ethernet	1xRJ45, 10/100MBit/s
USB	1× USB 2.0 port
Case	DIN Rail Plastic Enclosure
Dimensions	Rail Type: 126 x 91 x 57 mm
Operating Temperature	0°C ~ 55°C
Operating Humidity	20–70 % RH, Non-Condensing
Operating Humidity	IP-20

Status LED Codes

Power LED
Lights up when the device is powered.

RGB status LED
The green LED stays solid while the system is operating correctly and no Art-Net device is present on the network. If an active Art-Net device is detected, the green LED blinks.
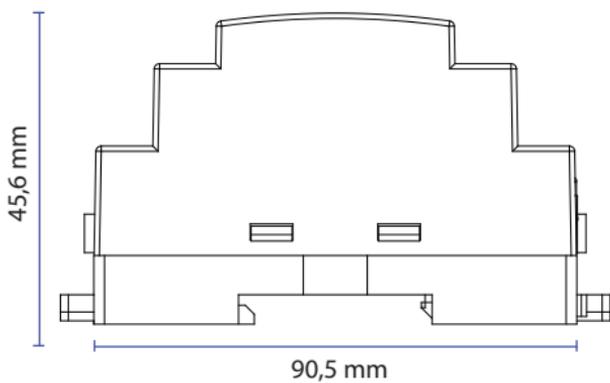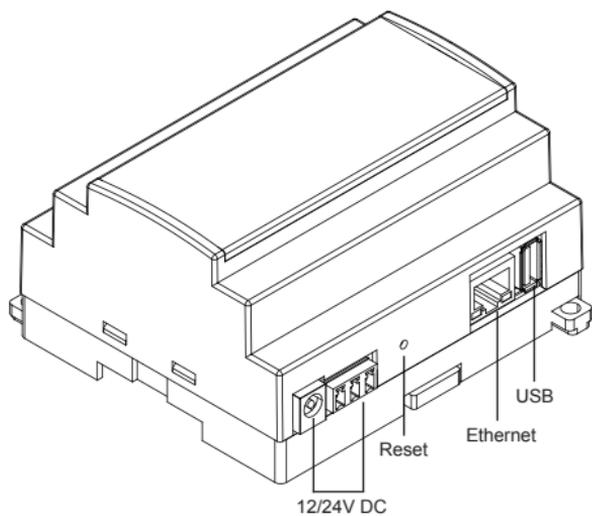
Reset to Default Factory Settings
1. Find a suitable tool to press the reset button located on the front of the device.
2. Hold the reset button for 10 seconds.
3. Release the button after all the status LEDs on the front of the device start flashing.
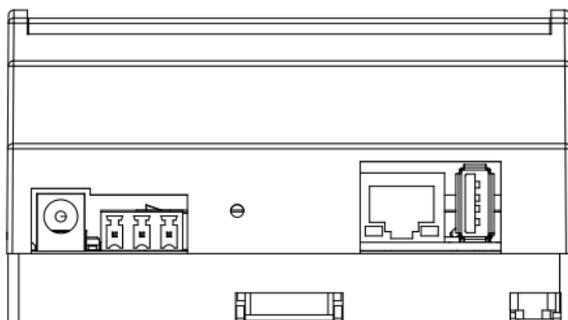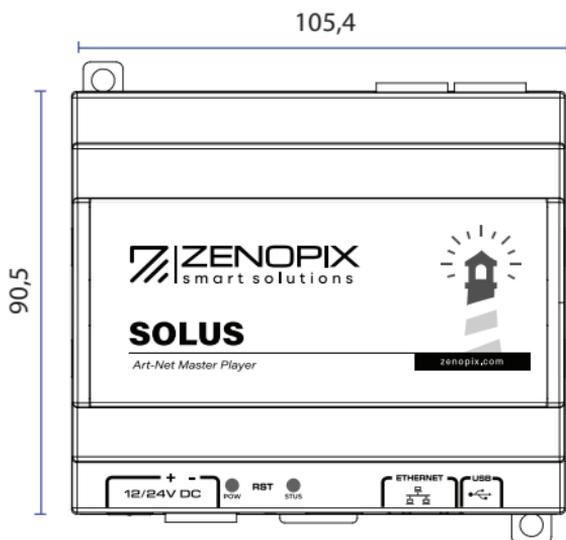
IP Address and Device Information

- Device Serial Number
- Device Model
- Default IP Address

You can find the above information on the device itself.

Device Technical Drawings

USB

Ethernet

Reset

12/24V DC

45,6 mm

90,5 mm

105,4

90,5

ZENOPIX
smart solutions

SOLUS
Art-Net Master Player

zenopix.com

+ -
12/24V DC

RST

POW   STUS

ETHERNET

USB

Device and Pin Connections
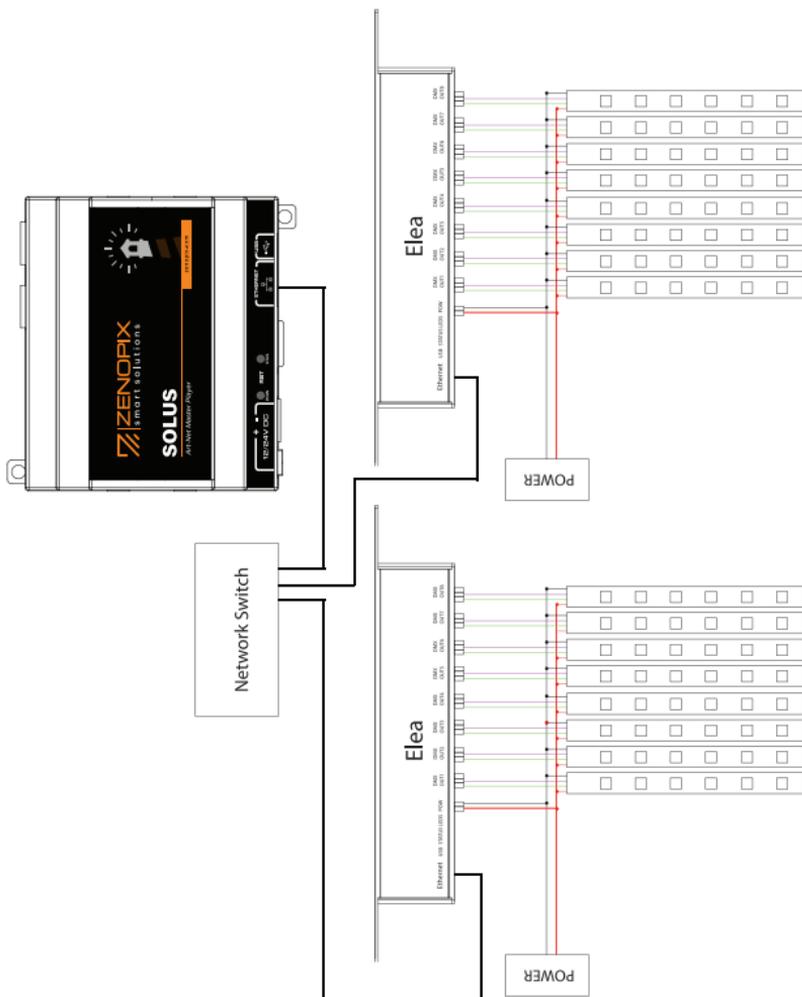
Configuration via Web Browser

After connecting Zenopix SOLUS via Ethernet, you can easily configure it through the built-in web interface. Ensure that both SOLUS and your computer are on the same network, then follow the steps below to set up the device:

- Connect your computer to the same network as Zenopix SOLUS.
- Assign the correct network settings to the PC.
- Default settings: IP address 192.168.1.222
- Subnet mask 255.255.255.0

Open your web browser and enter the Zenopix SOLUS IP address (default 192.168.1.222).
Username: **zenopix**   Password: **solus**
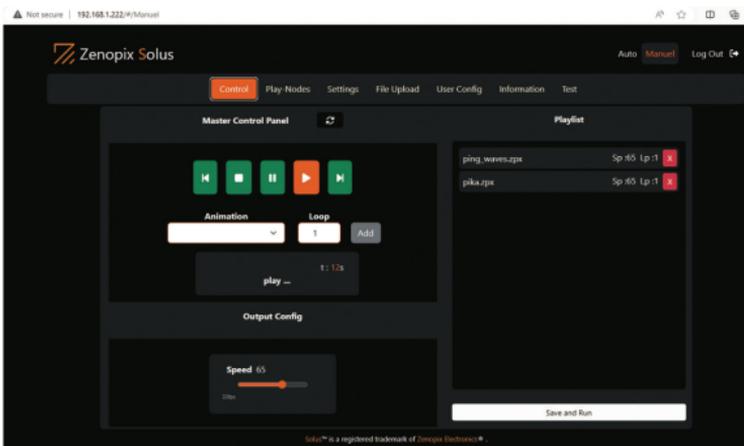
Note: For the latest detailed configuration information, please visit www.zenopix.com.

Zenopix Solus

Auto Manuel Log Out

Control Play-Nodes Settings File Upload User Config Information Test

Art-Net Nodes Network Settings

Port	State	Protocol	Target		Universe
1	On	Art-Net	Broadcast Unicast	Ip : 192 168 1 250	1
2	On	Art-Net	Broadcast Unicast	Ip : 192 168 1 250	2
3	On	Art-Net	Broadcast Unicast	Ip : 192 168 1 250	3
4	On	Art-Net	Broadcast Unicast	Ip : 192 168 1 250	4
5	On	Art-Net	Broadcast Unicast	Ip : 192 168 1 250	5
6	On	Art-Net	Broadcast Unicast	Ip : 192 168 1 250	6
7	On	Art-Net	Broadcast Unicast	Ip : 192 168 1 250	7
8	On	Art-Net	Broadcast Unicast	Ip : 192 168 1 250	8
9	On	Art-Net	Broadcast Unicast	Ip : 192 168 1 234	9
10	On	Art-Net	Broadcast Unicast	Ip : 192 168 1 234	10
11	On	Art-Net	Broadcast Unicast	Ip : 192 168 1 234	11
12	On	Art-Net	Broadcast Unicast	Ip : 192 168 1 234	12

Zenopix Solus

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Active Universe(s)

Port	Ip Address	Universe	Select / All ☐
1	192.168.1.250	1	☐
2	192.168.1.250	2	☐
3	192.168.1.250	3	☐
4	192.168.1.250	4	☐
5	192.168.1.250	5	☐
6	192.168.1.250	6	☐
7	192.168.1.250	7	☐
8	192.168.1.250	8	☐
9	192.168.1.234	9	☐
10	192.168.1.234	10	☐
11	192.168.1.234	11	☐
12	192.168.1.234	12	☐
13	192.168.1.234	13	☐

Channel Coloring Channel Counting

Select Color Mode

RGB RGBW Tunable Single

0
0
0

Quick test
Red Green Blue

Send Test

Selected Universe(s)

Zenopix Art-Net Recorder

Creating animations for Zenopix Solus is much easier—no license fee required. The Zenopix Art-Net Animation Recorder, developed specifically for Zenopix Solus, lets you design and record as many lighting animations as you want.

Using Art-Net lighting animation software (Jinx, Madrix, Resolume, etc.) together with the Art-Net Recorder, you can create unlimited animations and record them instantly.

Follow the steps below to record Art-Net DMX. You'll need a third-party lighting animation program—such as Jinx, Madrix, or Resolume—to carry out the recording. A Wi-Fi connection on your computer is also recommended for the Art-Net recording process.
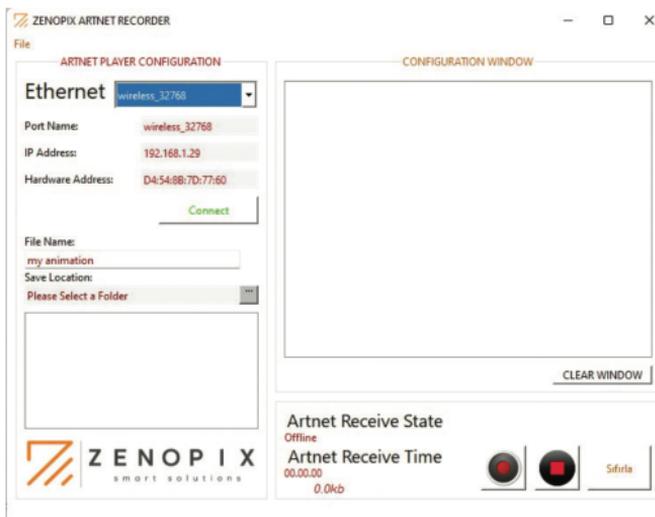
1. Make sure your computer is connected to Wi-Fi.
2. Install an Art-Net lighting animation program on the computer.
3. Launch the Zenopix Art-Net Recorder software.
4. Select Wireless_XXXX as the Ethernet connection.
5. Press Connect to activate Art-Net.

After you press Connect, the Art-Net Receive State indicator at the bottom-center will show "Art-Net Not Receiving." This confirms the device is on the network.

Make sure to perform this step before launching any Art-Net animation software.
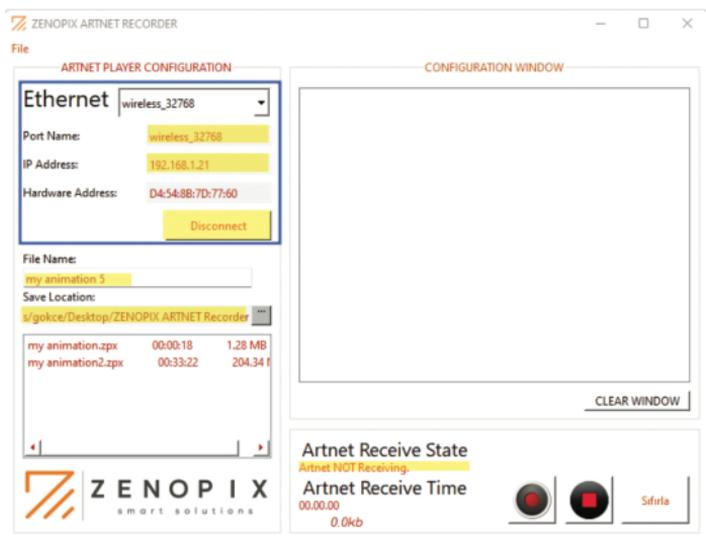
You can now switch to your Art-Net lighting animation software—MADRIX, Resolume, or Jinx. In the software, you'll see the IP address shown on the Zenopix Art-Net Recorder screen listed as the Art-Net device.

This way, the Zenopix Art-Net Recorder's IP address will appear in MADRIX, Resolume, or Jinx, and the recorder will function just like a regular Art-Net device.

You can now create your pixel map (patch) and start the animation. When the animation begins, you'll see a screen like the one below: the status reads "Art-Net Receiving," the timer runs, and the recorded file size keeps growing. When you're finished, stop the recording and transfer the resulting ".zpx" file into Zenopix SOLUS.
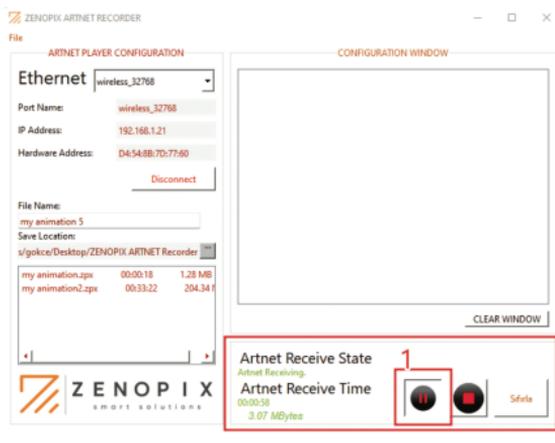
For details on using the Art-Net Recorder software, please visit www.zenopix.com.

WARNINGS

1. The products must be installed by qualified professionals.

2. Zenopix products are not waterproof (except for special models). Please avoid direct sunlight and rain. When installed outdoors, make sure the product is placed inside a waterproof enclosure. Proper heat dissipation will extend the operating life of the products. Please ensure good ventilation.

3. Please check whether the operating voltage being used meets the product's parameter requirements.

4. The diameter of the wire used must be capable of carrying the load of the connected lighting fixtures and ensure a secure cable connection.

5. Before powering on the products, please make sure all cables are correctly connected to avoid any damage to the lighting fixtures due to incorrect wiring. In case of a malfunction, do not attempt to repair the products yourself. If you have any questions, please contact your supplier.

6. This manual is subject to change without prior notice. Product functions depend on the actual items delivered. If you have any questions, please do not hesitate to contact us.

ZENOPIX
smart solutions

Zenopix is an R&D, manufacturing, and technology company specializing in lighting control systems, backed by nearly 20 years of extensive experience in electronics and software.

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