



MAGUS

Art-Net RDM & DMX Player

Technical Document and User Guide

English

ZENOPIX MAGUS

TECHNICAL DOCUMENT AND USER GUIDE

1st Version June 2025

Thank you for choosing Zenopix® MAGUS.

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.

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Safe Use

Use the device only in dry environments (indoors). The device has an IP20 rating. 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. It is always recommended to use galvanic isolation. Do not remove any parts from the unit or connect it to an ungrounded circuit. Do not connect the device to LEDs that are already powered on. Only connect the unit to controllers and LEDs that are turned off initially. There are no user-serviceable parts inside or outside the interface. Repair service is the responsibility of the manufacturer only. If the interface appears defective, please contact your vendor. After the warranty period has expired, you may contact your supplier or manufacturer to have the unit repaired, if possible, for an individual service fee. This device is intended for use by professionals. It is not designed to be operated by untrained individuals or children.

Warranty Information

Zenopix MAGUS 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 MAGUS

1x Terminal Block Bag

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 please 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 MAGUS is a controller that operates as an ART-NET RDM MASTER, allowing you to address your RDM-enabled endpoints and, if available, read and manage sensor data. The Magus device works synchronously with the Zenopix EXPLORER RDM software. With the EXPLORER software, it becomes easier to remotely control RDM-enabled decoders or fixtures connected to your device. The device features 2 output ports and provides a total of 2 universes of Art-Net RDM/DMX output.

Technical Specifications

Input Voltage Range	12–24VDC (Adapter or Terminal Connection)
Power Consumption	<5 W (During Normal Operation)
Network Protocol	Art-Net RDM/DMX
Number of RDM Universes	2 x 512 Channels
Output Ports	3-pin, 5.08 mm Terminal
Status LED	6 Units
Ethernet	1xRJ45, 10/100MBit/s
USB	1x USB 2.0 Port, Type-B Socket
Case	DIN Rail Plastic Enclosure
Dimensions	Rail Type: 105 x 91 x 58.5 mm
Operating Temperature	-5°C ~ 65°C
Operating Humidity	20 ~ 70% RH, Non-Condensing
Protection	IP-20

Status LED Codes

POW

This is the power LED. It lights up when the device is connected to power.

USB

It lights up when a USB connection is made.

DMX1 ve DMX2

It lights up when data is transmitted to the output ports.

LNK

It lights up red when there is no Ethernet connection.

POL

When there is no connection, it lights up red, then blinks green.

Reset to Default Factory Settings

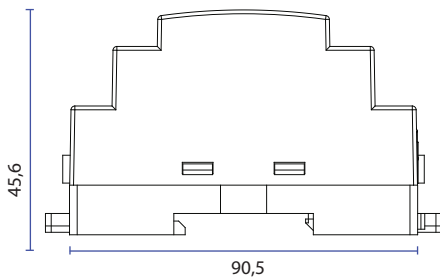
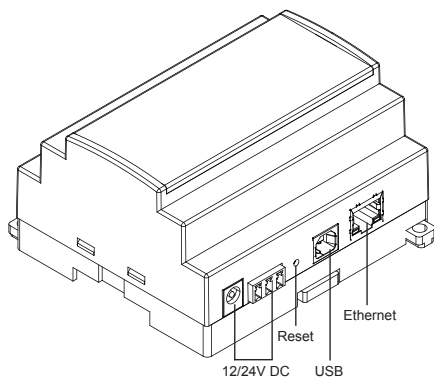
1. Find a suitable tool to press the reset button located on the front of the device.
2. Hold the reset button for 10 seconds.
3. Release the button after all the status LEDs on the front of the device start flashing.

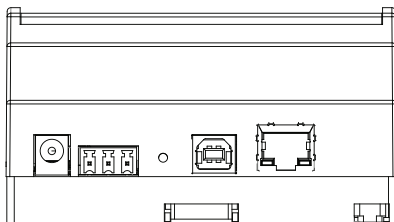
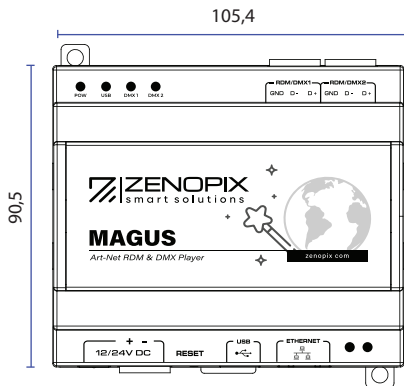
IP Address and Device Information

- Device Serial Number
- Device Model
- Default IP Address

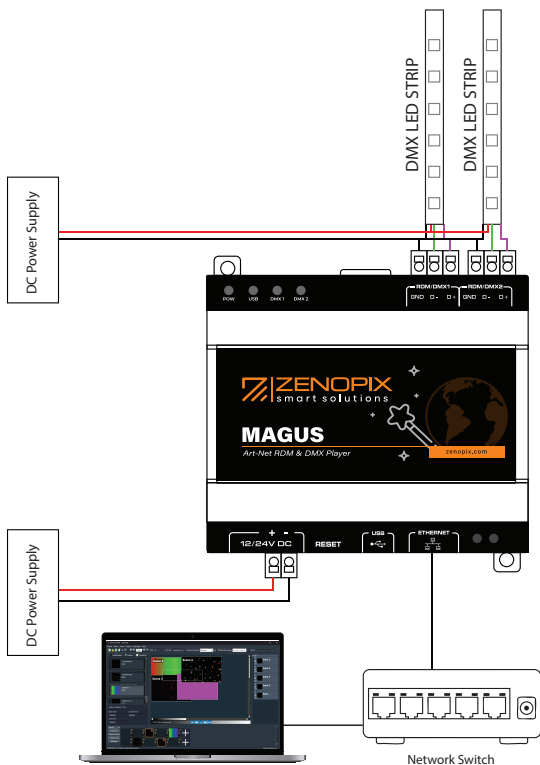
You can find the above information on the device itself.

Device Technical Drawings





Device and Pin Connections

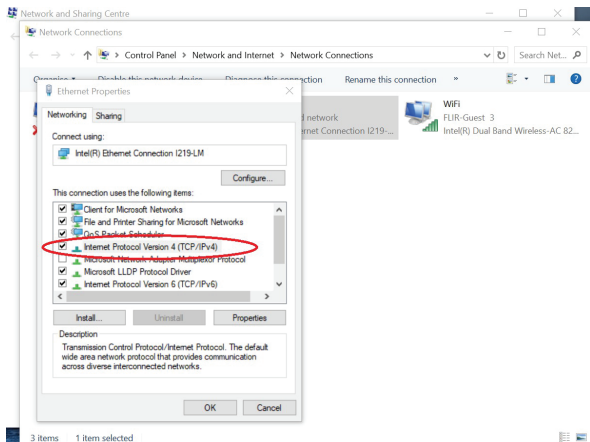


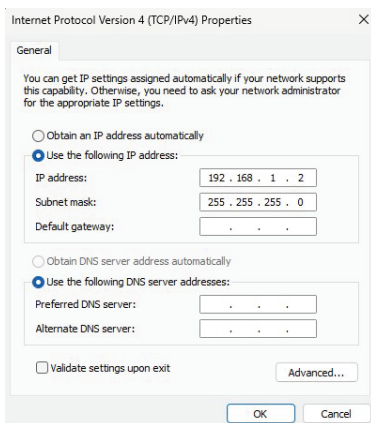
Configuration via Internet Browser

You can connect to the Zenopix MAGUS device from a computer using an Ethernet cable and access the device's IP address, name, port configuration, test interface, and version information.

The default IP address of the MAGUS device is 192.168.1.230. To access the device interface and operate it via a computer, both the device and the computer must be on the same network infrastructure. You can follow the steps below to ensure this.

- Connect the necessary cables to your Zenopix MAGUS device and access it from your computer via Ethernet.
- Configure the IP settings of your computer.



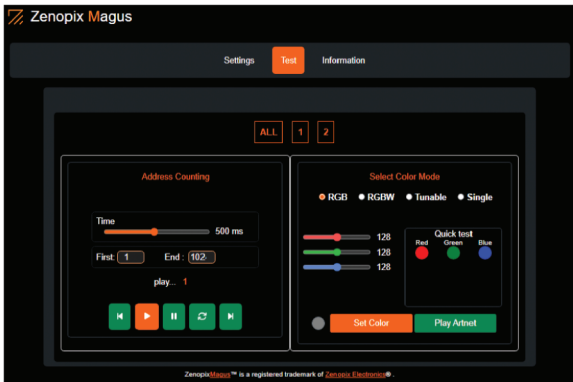


After configuring the necessary IP settings on your computer, you can access the MAGUS device interface. By entering the default IP address 192.168.1.230 into your browser, the MAGUS device interface will appear. In the 'Setting' section of the interface, you can configure the device's IP address, name, and Port Universe addresses, as well as enable or disable the RDM feature.

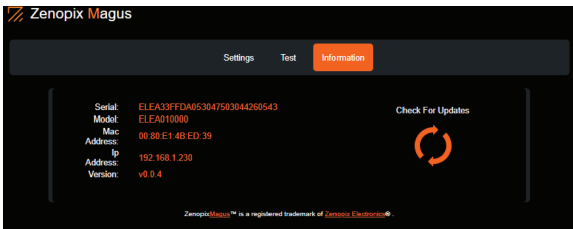
NOTE: If the Magus device will be used only as an Art-Net DMX controller, the RDM feature should be disabled to ensure uninterrupted transmission of animation data.

In the test tab of the MAGUS device interface, you can test the LEDs connected to the device. After selecting which output to test, the LED channel configuration (RGB, RGBW) is set. You can adjust the values you want to send using the buttons on the right and left, and by assigning addresses, you can test your end units.

NOTE: After the test is completed, you must press the 'PLAY ART-NET' button; otherwise, the device will not transmit Art-Net signals.



From the rightmost 'Information' tab, you can see the device's serial number, MAC address, software, and hardware versions. You can also update to the latest software using the refresh button on the right, if an update is available.



USAGE OF THE EXPLORER SOFTWARE

To control your RDM-enabled end units connected to the Magus device, the Magus device must be used together with the Zenopix Explorer software. You can download the Zenopix Explorer software for free at: <https://www.zenopix.com/tr/zenopix-explorer-rdm-yazilimi>.

Once the necessary connections of the Magus device are completed and the Explorer interface is launched, the device will periodically perform RDM scans through its output port. You can find the connected RDM-supported decoders listed in the bottom-left section of the interface.

The screenshot displays the Zenopix Explorer software interface. At the top, there is a menu bar with 'ZENOPIX EXPLORER', 'Devices', and 'Help'. Below the menu bar is a toolbar with icons for search, refresh, and help. The main area is divided into two sections: 'Devices' on the left and 'Parameters' on the right.

Devices Section:

#	Status	Network	Network Name	Interface IP Address	Interface Short Name	Interface Long Name	Interface Firmware
1	Online	4	Zenopix Magus	192.168.1.230	Zenopix Magus	Zenopix Magus RDM Master	0.0

Parameters Section:

#	Parameter	Value	Associated PIDs
10	Sub Device ID	0	
11	ESTR Manufacturer	Zenopix Electronics Limited Company	
12	Manufacturer Label	v1.0.0	(0x0001) Get ManufacturerLabel
13	Product Category	(0x0001)Value Feed	(0x0002) Get Decoversity
14	Serial Count	0	(0x0003) Get Decoversity
15	RDM Protocol Version	1.00	(0x0004) Get Decoversity
16	Software Version	(0x00000000) 07.0.0	(0x0005) Get Decoversity
17	Sub Device Count	0.00	(0x0006) Get Decoversity
18	Identify	(0x0001) No	(0x1000) Get IdentifyDevice
19	DMX Universe	1	
20	DMX Start Address	1	(0x0001) Get DMXStartAddress
21	DMX Personality	4	(0x0002) Get DMXPersonality
22	Short Message Count	0	

At the bottom left, there is a status bar that reads 'RDM MASTER CONTROLLER'.

In the panel at the bottom left, you can see the connected devices individually. By clicking on a device, you can change its address in the DMX start box in the panel that opens on the right. When you scroll through the left panel, you can see the devices' ID numbers and turn the Identify option to "Yes" to light up the corresponding device for identification.

From the Device/Universe Port tab at the top left, you can sort all devices by their ID addresses and use the button  at the top left to sequentially assign addresses to the selected devices.

Universe / Port Editor

Files

First DMX Address For Automatic Addressing : 1 DMX Universe : 1 Interface : AI (0.0.0.0)

	Grid	Include	Network	Interface Ip Address	Unique ID	Sup Device ID	Identify	Device Label	DMX Personality	DMX Footprint	DMX Start Address	Status
	5	☒	Zenopix M...	192.168.1...	0934.29000091	0		Zenopix...	4	4	1	
	4	☒	Zenopix M...	192.168.1...	0934.29000092	0		Zenopix...	4	4	5	
	3	☒	Zenopix M...	192.168.1...	0934.29000093	0		Zenopix...	4	4	9	
▶	1	☒	Zenopix M...	192.168.1...	0934.29000094	0		Zenopix...	4	4	13	
	2	☒	Zenopix M...	192.168.1...	0934.29000095	0		Zenopix...	4	4	17	

NOTE: The Explorer software and your Art-Net animation software should not be open at the same time.

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	Grid	Include	Network	Interface Ip Address	Unique ID	Sup Device ID	Identify	Device Label	DMX Personality	DMX Footprint	DMX Start Address	Status
	5	☒	Zenopix M...	192.168.1...	0934.29000091	0		Zenopix...	4	4	1	
	4	☒	Zenopix M...	192.168.1...	0934.29000092	0		Zenopix...	4	4	5	
	3	☒	Zenopix M...	192.168.1...	0934.29000093	0		Zenopix...	4	4	9	
▶	1	☒	Zenopix M...	192.168.1...	0934.29000094	0		Zenopix...	4	4	13	
	2	☒	Zenopix M...	192.168.1...	0934.29000095	0		Zenopix...	4	4	17	

NOTE: The Explorer software and your Art-Net animation software should not be open at the same time.

WARNINGS

1. Products must be installed by qualified professionals.
2. Zenopix products are not waterproof (except for special models). Please avoid exposure to sunlight and rain. When installed outdoors, ensure the product is mounted inside a waterproof enclosure. Proper heat dissipation will extend the product's service life. Please provide adequate ventilation.
3. Please check that the operating voltage used complies with the product's parameter requirements.
4. The wire gauge used must be able to handle the load of the connected lighting fixtures, and the cable connections must be secure.
5. Before powering the products, ensure all cables are correctly connected to avoid damage to the lighting fixtures from incorrect wiring. If a fault occurs, 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 goods. If you have any questions, please do not hesitate to contact us.



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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