

ArtNet-LED-Dimmer 4 ArtNet-LED-Dimmer 4R

User Manual



**ART
NET**
ETHERNET

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**DMX
4
ALL**
WWW.DMX4ALL.EU

Description

The **ArtNet-LED Dimmer 4 / 4R** is a compact LED dimmer controlling 4 separate LED outputs. These can be used for RGB+W or for single stripes. The LEDs connection are made with screw connectors. With a RJ45 connection the access to the Ethernet (ArtNet-Network) takes place.

Additional the **ArtNet-LED Dimmer 4 / 4R** has an USB-connection which allows to connect external devices e.g. a WLAN-bridge, a power supply with 5V/500mA.

A user-friendly configuration with a web browser enables a fast and uncomplicated setting of all parameter.

Fitting for the **ArtNet-LED-Dimmer 4R** the App "AND Remote" is free available in the App Store.

Technical Data

Power supply:

12-24V DC

The power supply has to be in accordance with the LED-stripe voltage !

Ethernet:

RJ45

LED-connection:

4x (R/G/B + W) max. each 10A / together 16A with common anode (+)

USB-connection:

5V/500mA for the power supply of external devices

Dimensions (LxBxH):

98 x 89 x 26 mm

Scope of delivery

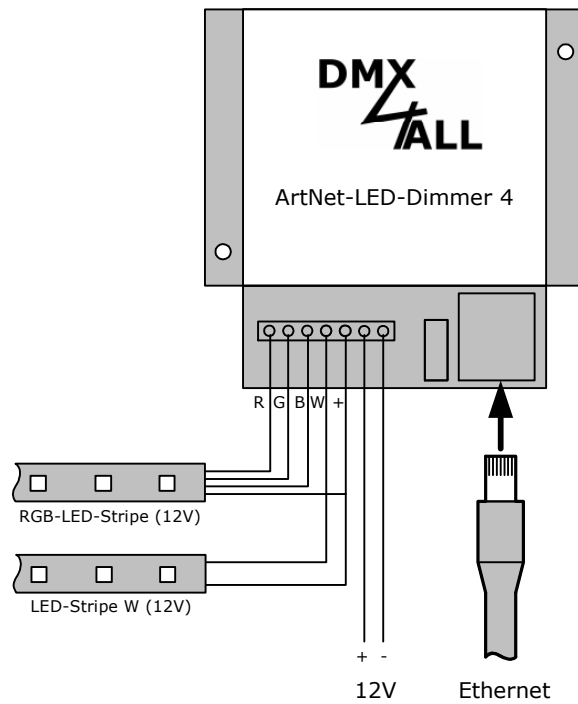
- 1x ArtNet-LED-Dimmer 4 / 4R
- 1x 1m RJ45 Network cable 1:1
- 1x User manual (brief instruction)

only ArtNet-LED-Dimmer 4R:

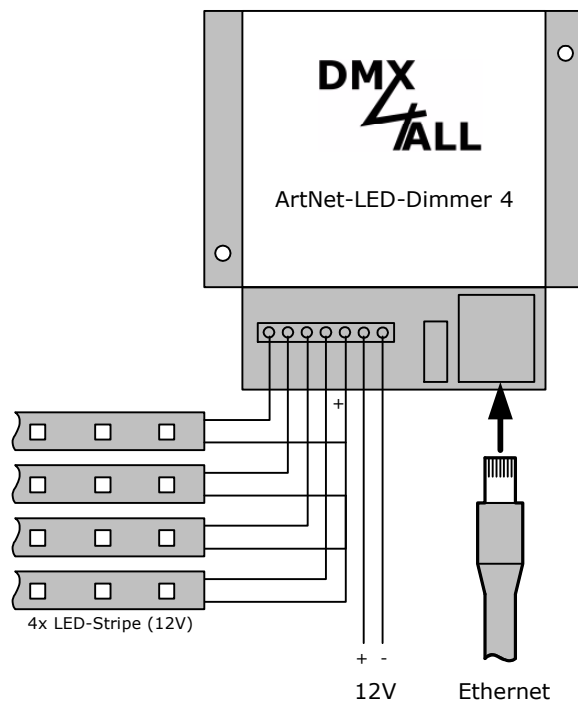
free iPhone® / iPad® App "AND Remote" available in the App Store

Connection

With RGB-LED-Stripe and LED-Stripe white



With 4 single-colored LED-Stripes



LED-Display

LED green

The green LED lights up if no Ethernet connection is available and lights up permanent if an Ethernet connection exists.

LED yellow

The yellow LED lights up as soon as data are received.

Configuration

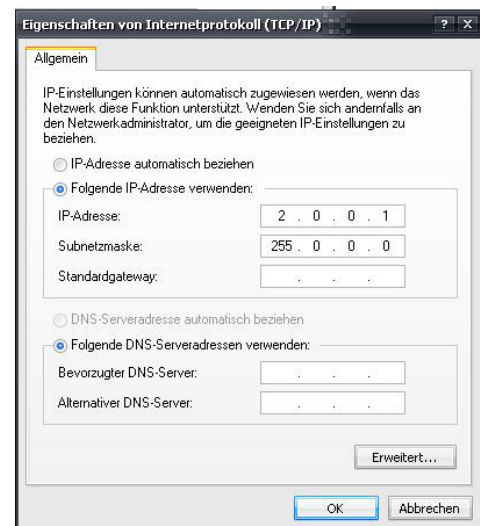
The Configuration of the **ArtNet-LED Dimmer 4 / 4R** occurs with a web-interface which can be called with any web browser.

The assigned **IP-address 2.0.0.10** into the delivery conditions will be used for the web-interface as well as for the ArtNet.



The network settings of the PC must be configured to the **IP-address 2.0.0.1** and the **subnet mask to 255.0.0.0**.

Please consult the ArtNet-specifications for further details.



Please call the IP 2.0.0.10 in the address bar of the web browser for getting the following configuration page:

DMX 4ALL ArtNet-LED-Dimmer 4R
Version 2.00

The ArtNet-LED Dimmer 4R is a LED dimmer controlled by ArtNet with 4 LED outputs.
The device provides one ArtNet Node with 512 channels and a DMX startaddress. Some stand alone colour moves are available without a ArtNet connection.
You can give the node an own IP address, shortname and longname to differ the node in the network. Please use in one network the IP address 2.x.x.x or 10.x.x.x
The setup allows you to set the ArtNet parameters for SubNet,Net and Port(Universe). Please set Net always to 0 if you don't use ArtNet3!
A DMX-Startaddress sets the first channel inside the universe of 512 channels which is used for the OUT1. The following channels are used for the next outputs OUT2-OUT4.
The Stand-Alone-Function drives the LED outputs without a network connection. The selected program is started on power up the device and is stopped when receiving data from the ArtNet.

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ART NET
ETHERNET Art-Net™ Designed by and Copyright Artistic Licence Holdings Ltd.

MAIN SETUP

ArtNet Node
IP Address: 2.0.0.10
Netmask: 255.0.0.0
Short Name: ArtNet-LED-Dimmer
Long Name: DMX4ALL ArtNet-LED-Dimmer 4

ArtNet Settings
SubNet: 0 (0)
Net: 0 (00) Only ArtNet3
Port/Universe: 0 (0)

DMX Startaddress
Address: 1

POWER ON defaults
OUT 1-3: Off (RGB)
OUT 4: Off

Factory Defaults
0000 Enter 7319 to set the ArtNet-Dimmer to factory defaults.

Save



Each Node needs an own **IP-address**, so the assignment in the network occurs clearly. According to the ArtNet-specifications please use the IP-addresses 2.x.x.x or 10.x.x.x .

Other IP addresses are possible too, e.g.192.168.1.10. In this case the Netmask must be changed to 255.255.255.0 !

For an easier identification you can assign each node with any names.

The **Short-name** is limited to 18 signs and the **Long-name** to 64 signs.

The **Subnetmask** is left to 255.0.0.0 according to the ArtNet-specifications.

In the ArtNet settings the justification for the **Subnet**, **Net** and **Port** (Universe) is possible.

The **DMX-Starting address** specifies the channel in the Universe at which the LED-outputs are responded. Thereby the DMX-starting address corresponds to the output 1 and the following addresses correspond to the outputs 2-4.

Additional **POWER ON defaults** allows the operation without connecting an ArtNet device. Turning on the device will set the RGB-program and output 4 can be turned on optionally. If data come from an ArtNet-controlling device the program will automatically finished and the outputs get the settings coming from ArtNet.

The **Factory Settings** will be restored with entering the number 7319.

SAVE restored the configuration respectively restored the Factory settings.



Using other IP-addresses

The ArtNet-LED-Dimmer 4 / 4R works with any IP-addresses.
You can use also the standard IP-addresses 192.168.1.x for your network.
In this case, please set up the Netmask to 255.255.255.0 .

Running with App

Control your LED-installation comfortable with your iPod touch®, iPhone®, iPad® or iPad mini®.

ArtNet-LED-Dimmer 4R with AND Remote

The **ArtNet-LED-Dimmer 4R** can be controlled with the App "AND Remote" which is free available in the App Store.

(Link: <https://itunes.apple.com/de/app/and-remote/id626793329?mt=8&uo=4>)



The ArtNet-LED-Dimmer 4 can not be used with the free App "AND Remote". Alternatively, you can use e.g. the App "LED Remote" for the ArtNet-LED-Dimmer 4.

ArtNet-LED-Dimmer 4 / 4R mit LED Remote

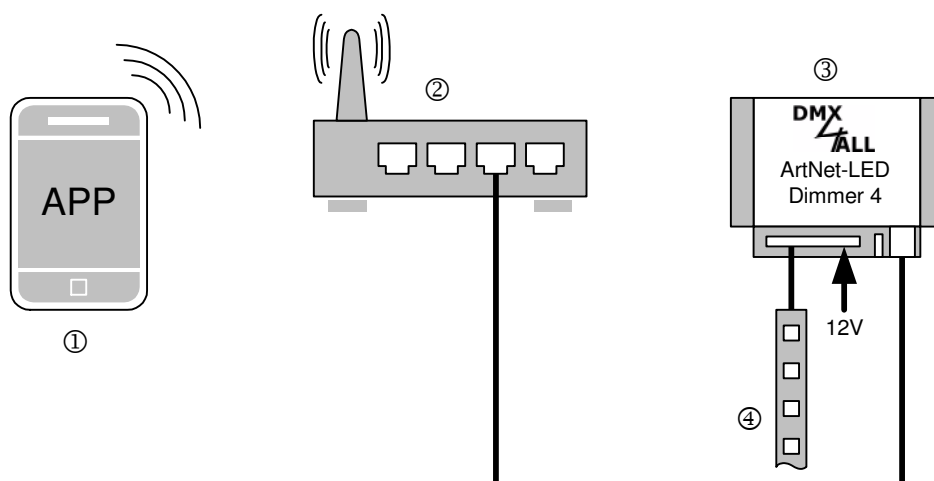
Suitable for the **ArtNet-LED-Dimmer 4 / 4R** you find the App "LED Remote" from Armin Arzani in the App Store. It is separately available and free-required in the App-Store. The app offers an expanded range of functions and is able to manage several devices.

(Link: <https://itunes.apple.com/de/app/led-remote/id519401444?mt=8&uo=4>)

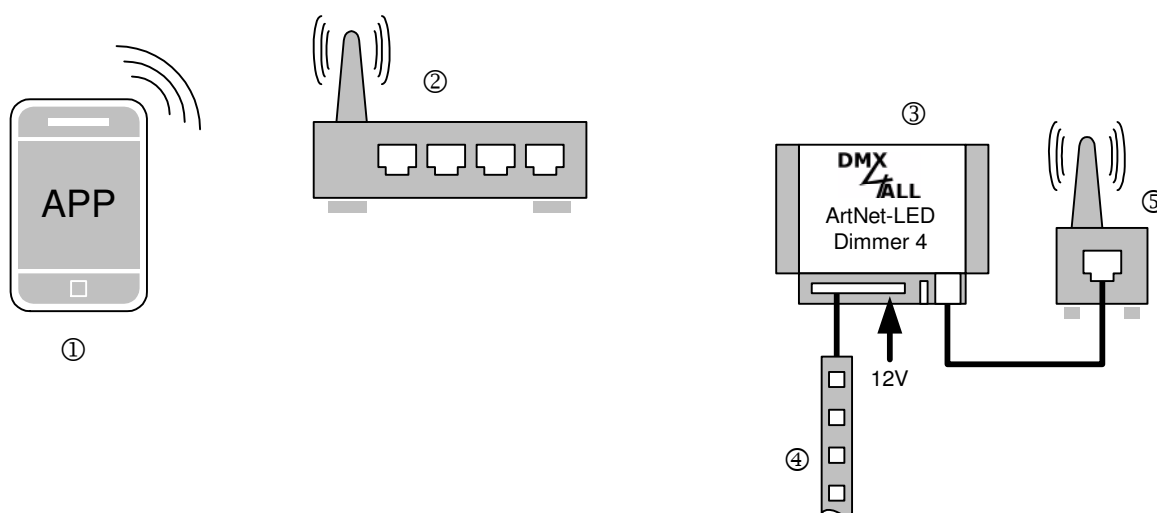
Operating in WLAN

The **ArtNet-LED-Dimmer 4 / 4R** can be operated through WLAN Router/Access-Point or with a WLAN-bridge.

Operating with WLAN Router/Access-Point



Operating with WLAN- Bridge



- ① Smartphone / TabletPC
- ② WLAN Router/Access-Point
- ③ ArtNet-LED-Dimmer 4
- ④ LED-Stripe
- ⑤ WLAN-Bridge e.g. WNCE2001

Factory Reset without Web-Interface

The **ArtNet-LED Dimmer 4 / 4R** can be reset into the delivery-conditions with the Reset-button within the device.

Please proceed als follows:

- Turn off the device
- Open the casing cover
- Push button and hold
- Turn on the device
- The yellow LED lights up
- Release button
- Push the button and hold again
- Green and yellow LED lights up alternately ca. 10 seconds.
- Release the button meanwhile
- The reset will be executed and the LEDs lights up 3x simultaneously to the confirmation
- Turn off the device
- Close the casing cover

Executing Update

The **ArtNet-LED Dimmer 4 / 4R** (as from Version2) has an Update-function which allows transferring prospective Firmware versions.

Please proceed als follows:

- Turn off the device
- Open he casing cover
- Push button and hold
- Turn on the device
- Yellow LED lights up
- Release button
- Generate Network-connection to PC
- Start Update-Software **DMX4ALL LAN-Updater**
- Select ArtNet-LED-Dimmer 4 from list
- Click *Firmware-Update*
- Select Firmware-Data (.bin) and certify
- Please wait until Update has finished
- Turn off the device
- Close the casing cover

Equipment

RGB-LED-Stripe 5m



LED-Stripe white



Power Supply 12V / 5A



WLAN-Bridge WNCE2001



Risk-Notes

You purchased a technical product. Conformable to the best available technology the following risks should not be excluded:

Failure risk: The device can drop out partially or completely at any time without warning. To reduce the probability of a failure a redundant system structure is necessary.

Initiation risk: For the installation of the board, the board must be connected and adjusted to foreign components according to the device paperwork. This work can only be done by qualified personnel, which read the full device paperwork and understand it.

Operating risk: The Change or the operation under special conditions of the installed systems/components could as well as hidden defects cause to breakdown within the running time.

Misusage risk: Any nonstandard use could cause incalculable risks and is not allowed.

It is not allowed to use the device in an operation, where the safety of persons depend on this device.



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