

DMX UNIVERSE DR6 RDM+

User manual



ART
NET
ETHERNET

Art-Net™ Designed by and Copyright Alderamin Group Ltd.

DMX
4
ALL[®]

Important Notes



For your own safety, please read this user manual and warnings carefully before installation.



A firmware update is recommended after receipt the product. This is the only way to ensure that the device has the latest version. You can find the latest firmware on the homepage.

Description

The **DMX UNIVERSE DR6 RDM+** is an Ethernet to DMX gateway with up to 6 bidirectional DMX universes (DMX over Ethernet) and RDM functionality.

6 DMX ports

The DMX UNIVERSE DR6 RDM+ offers 6 bidirectional DMX ports to which the DMX/RDM devices can be connected. The individual DMX ports can be configured independently.

Galvanically decoupled DMX connections

All 6 DMX connections are each designed with their own galvanic isolation.

Art-Net™ to DMX / DMX to Art-Net™

The DMX direction can be switched per DMX port, depending on the usage.

Adjustable FAIL function

Each DMX port offers a configurable FAIL function. This specifies the behavior if DMX or ArtNet data is missing.

Art-Net™ Merge-Function

Two Art-Net™ sources are output by LTP (Latest) or HTP (Highest) combined to the DMX output.

RDM via Art-Net™

Supports RDM via Art-Net™ and thus enables connected RDM devices to be configured via Art-Net™ using corresponding software.

Synchronous DMX output

The DMX output is synchronized by receiving ArtSync packets.

RGB status display

The RGB status display clearly shows the device status.

RGB status display for DMX and RDM

For each DMX port, the DMX and RDM status is clearly displayed using RGB displays.

Muteable LED display

The LED-Display at the DMX UNIVERSE DR6 RDM is muteable via Art-Net™-Command (AcLedMute) or time controlled. This is very helpful to avoid disturbing "light points" on stage.

Easy Webbrowser-Configuration

A user friendly configuration via web browser allows a fast and uncomplicated setting of all parameters. No special software is necessary, a standard web browser is enough. So, the configuration is possible any time from PC, Smartphone or tablet.

DMX-Monitor

The DMX monitor is available via the web interface. This means that the current DMX values can be displayed and checked simultaneously without any additional software.

DMX-Fader

The DMX fader is available via the web interface. This allows the DMX values to be output to be set without additional software.

DHCP

The DMX UNIVERSE DR6 RDM+ has a DHCP function for automatic addressing in the network.

Easy Network Configuration

For an easy setting of the IP we provide the IP-Configurator as PC-Tool or Android-App for free. The network settings can be left unchanged and the IP can be configured without any problems.

Combinable with WiFi components

In combination with a WLAN bridge the DMX UNIVERSE DR6 RDM+ can also be integrated into WLAN networks.

Firmware update function

To use future functions the DMX UNIVERSE DR6 RDM+ offers a Firmware-Update-Function. This can be started with any web browser, so no direct access to the device is necessary!

DMX4ALL Communication-Interface

The DMX UNIVERSE DR6 RDM has an additional communication interface using the DMX4ALL-Commands via TCP or UDP packages.

Top hat rail housing available

The top-hat rail housing 1050 is available as accessory for the DMX UNIVERSE DR6 RDM+ and therefore ideally suited for switch cabinet installation.

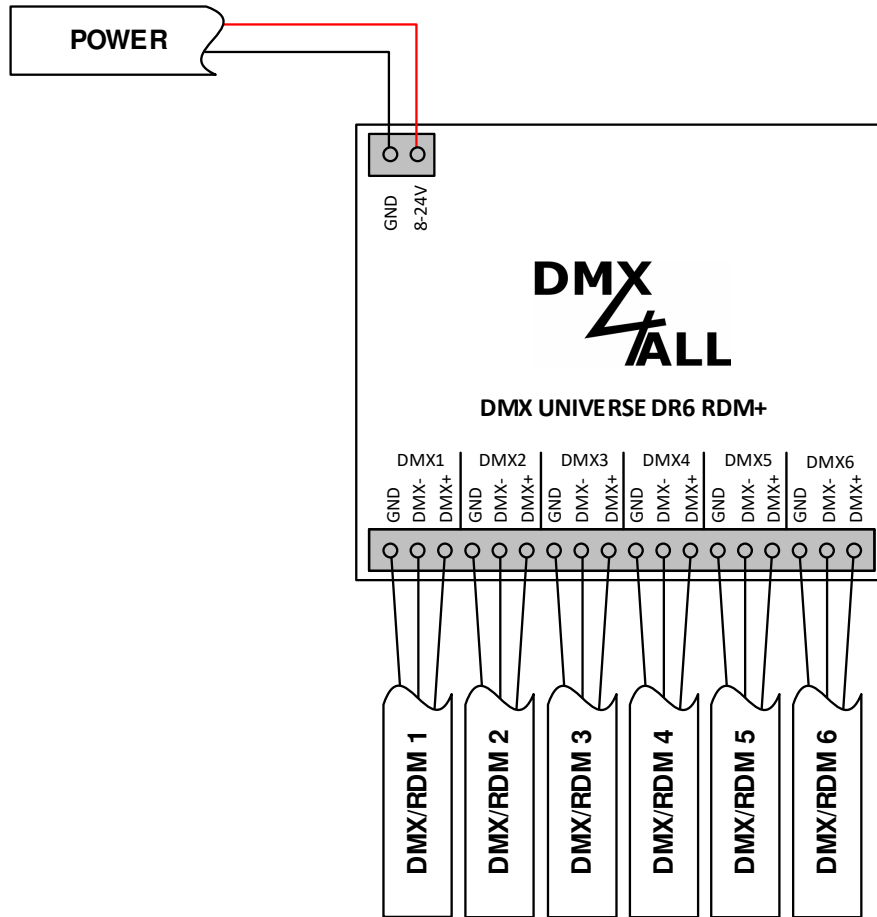
Data sheet

| | |
|------------------------------|---|
| Power supply: | 8-24V DC (150mA@12V; 100mA@24V) |
| Connections: | Ethernet: RJ45 Power: Screw terminals DMX: Screw terminals |
| DMX: | 6 galvanically isolated ports each 512 channels OUT or 512 channels IN |
| RDM: | RDM via Art-Net™ on/off switchable |
| Data Fail (DMX-OUT): | HOLD last data CLEAR all to 0% SET all to 100% NO OUTPUT |
| DMX-IN Fail (DMX-IN): | HOLD last data CLEAR all to 0% SET all to 100% NO OUTPUT |
| Protocol: | Art-Net™ sACN (Unicast) DMX4ALL Commands |
| LED display: | Ethernet-Status (green + yellow) Device-Status (RGB) DMX-Status (6x RGB) RDM-Status (6x RGB) |
| Dimensions: | 105mm x 90mm x 60mm |

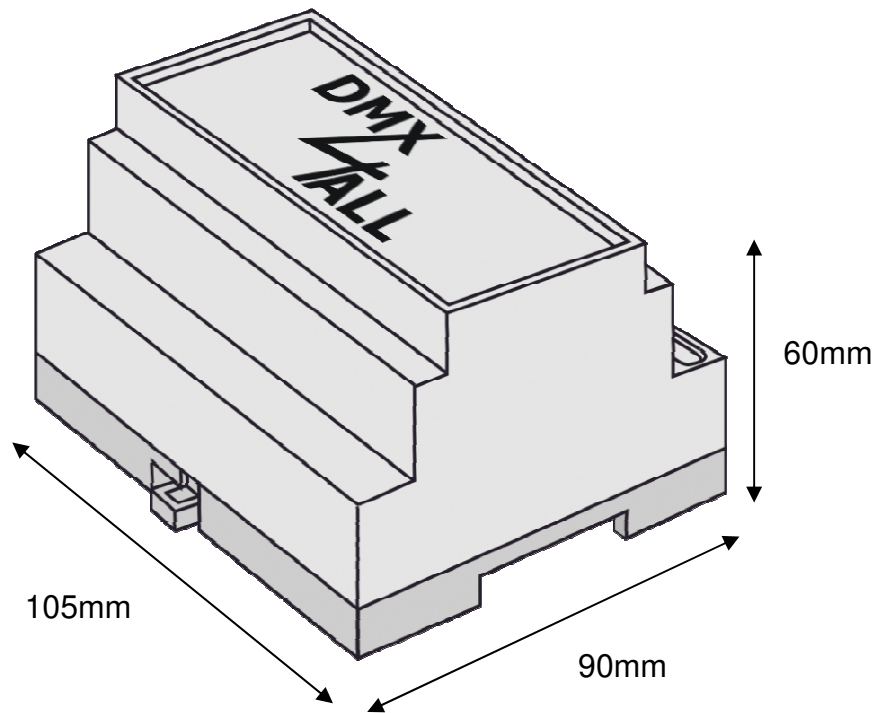
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- 1x DMX UNIVERSE DR6 RDM+
- 1x Quick guide german and english

Connection



Dimensions



All details in mm

Accessories

Power supply 12V



Net work cable



Revision History

Firmware V1.00

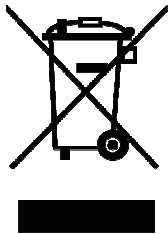
- First release

CE-Conformity



This assembly (board) is controlled by a microprocessor and uses high frequency. In order to maintain the properties of the module with regard to CE conformity, installation into a closed metal housing in accordance with the EMC directive 2014/30/EU is necessary.

Disposal



Electronical and electronic products must not be disposed in domestic waste. Dispose the product at the end of its service life in accordance with applicable legal regulations. Information on this can be obtained from your local waste disposal company.

Warning



This device is no toy. Keep out of the reach of children. Parents are liable for consequential damages caused by nonobservance for their children.

Risk-Notes



You purchased a technical product. Conforming 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.

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



DMX4ALL GmbH
Reiterweg 2A
D-44869 Bochum
Germany

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