PWR DMX

PowerGate Solid

Converter PowerGate Solid (PowerGate Solid) is an intelligent PWRDMX / Ethernet / DMX converter of protocols with functions of merging (merging), data redundancy and is an effective solution for controlling lighting equipment based on the DMX512 interface. A feature of the converter is its multifunctionality, which is expressed in the possibility of various conversions, merging (merging), protocols PWRDMX, DMX512, RDM (ANSI E1.20), ArtNet (1,2,3,4), sACN (Draft, Release), KiNet (v1, v2), RTTrPL, data transmission of these protocols through a power line up to 400 m long and an Ethernet network, with redundancy functions, as well as the ability to build different combinations of reception / transmission of signals. For connecting additional equipment and configuring via Ethernet, the converter has a built-in Ethernet port with a speed of 10/100 Mbps. To configure the equipment, you can use the built-in Web interface, the ArtGate Setting program, third-party software that support the ArtNet protocol, or the unique specially developed ARISTO software. The device is designed in a vandal-resistant duralumin casing and can be used at positive temperatures indoors and outdoors. The flexibility in placement of the device is characterized by its compactness, small size, the ability to install on a truss and a horizontal / vertical surface.

Benefits

- Vandal-resistant metal housing with IP44 protection
- Maintaining performance at voltages up to 305 V
- Supports one Ethernet port
- Supports PWRDMX Power Line Data Protocol
- Supports DMX512, ArtNet (1,2,3,4), RDM (ANSI E1.20), sACN (Draft, Release), KiNet (v1, v2), RTTrPL protocols
- Save function for setting profiles
- Support for fixed IP address to access settings
- Intuitive web interface
- Galvanic isolation of DMX ports
- Supports various merging modes HTP, LTP, AUTO, PRIORITY
- Free cooling function without fans or openings in the case

Application area

- For use in a variety of halls and venues where more DMX streams are required using power lines or Ethernet
- To provide interoperability between various modern software and various DMX fixtures
- Controlling lighting using the DMX512 standard over an existing power line when new cabling or wireless transmission is difficult or impossible
- Transmission of DMX512, RDM (ANSI E1.20), ArtNet (1,2,3,4), sACN (Draft, Release), KiNet (v1, v2), RTTrPL protocols indoors, in cases where the control cable -or no reason is possible

SUNDRAX electronics

Solid series

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PowerGate Solid

Technical specifications

Mechanical

Enclosure: vandal-resistant
Material: metal, plastic
Dimensions, mm: 171 (L) x 55 (H) x 121 (W)
Weight: 1.2 kg
Installation: surface, truss

Power & Electrical

Power supply: ~ 100-250 V, 50/60 Hz
Max power consumption: 5W
Fuse: 0.5 A

Environmental

Operating temperatures: -40 ... + 60 ° C
Storage temperatures: -50 ... + 70 ° C
Max. relative humidity: 95%
IP Rating: IP 44
Certificates: EAC, CE, RoHS
Warranty: 36 months

Control / Data Connections

Supported protocols: DMX512, RDM,
ArtNet (1,2,3,4), sACN (Draft, Release),
KiNet (v1, v2), RTTrPL
Refresh rate DMX data: 44 Hz
Ethernet: ArtNet/sACN

Inputs / Outputs

DMX ports: 1 or 4
DMX connectors: 1 or 4 XLR(3/5)M, 1 or 4 XLR(3/5)F
Ethernet port: 1 (10/100 Base-TX)
Ethernet-connectors: RJ-45/etherCON

Configuration / Indication

Configuration: web interface, ArtGate settings
Indicators: LED, for DMX and Ethernet

Package Contents

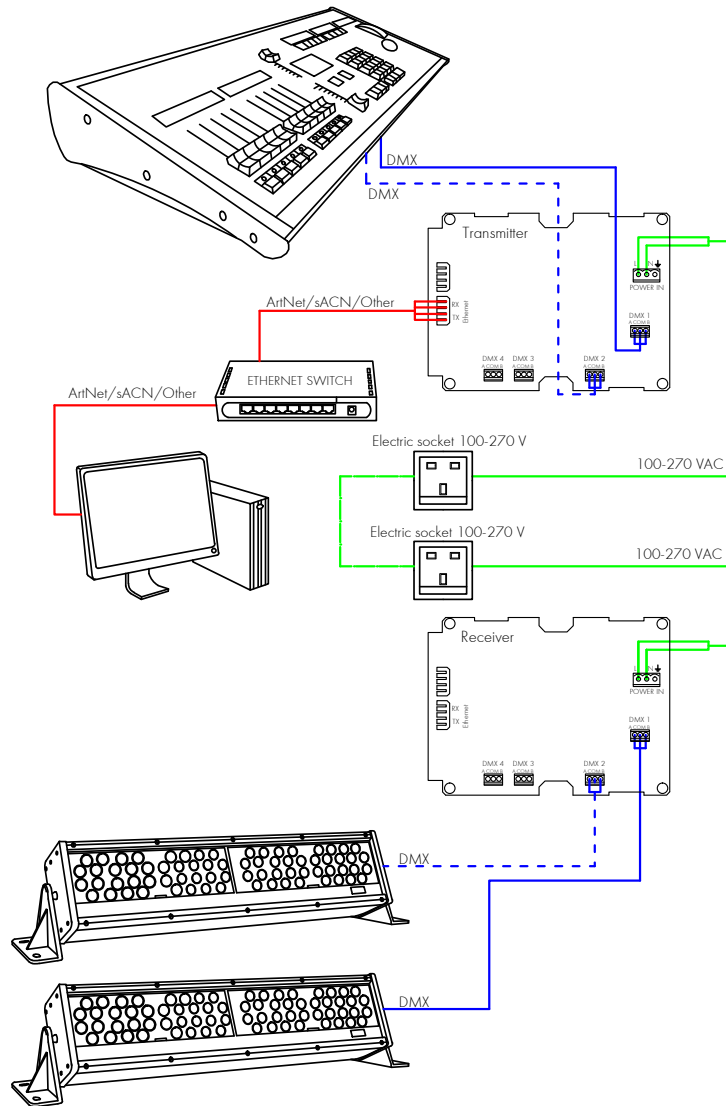PowerGate Solid
Connector set

Product Line

Modification	Vendor Code
PowerGate Solid, 2 DMX (3-pin)	PGS-3-2DE
PowerGate Solid, 2 DMX (5-pin)	PGS-5-2DE
PowerGate Solid, 4 DMX (3-pin)	PGS-3-4DE
PowerGate Solid, 4 DMX (5-pin)	PGS-5-4DE

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Connection diagram

Specifications and appearance of Sandrax Electronics brand equipment are subject to change without notice.

Accessories

Name	Vendor Code
Ethernet cable etherCON, 1.5m	ACC-CCE-X/EC15
Cable DMX (5-pin)M/(5-pin)F, 3m	ACC-CCDMX-5F/5M3
Cable DMX (5-pin)M/(5-pin)F, 0.5m	ACC-CCDMX-5F/5M05
Solid / Arma Series Large Enclosure Mount Kit	ACC-MK-B(SO/AR)-SUR
Clamping Kit for Large Solid / Arma Series Enclosures	ACC-MK-B(SO/AR)-CLA

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