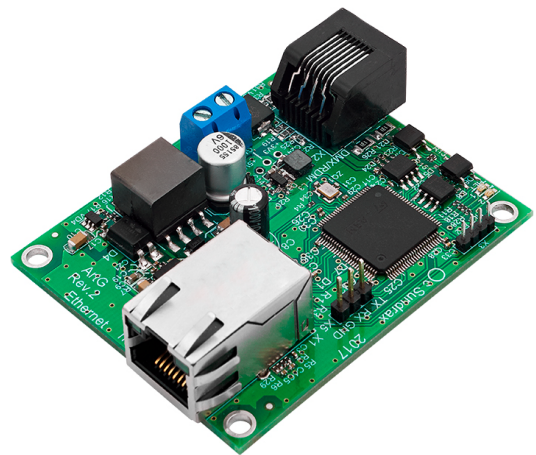# ArtGate Board

ArtGate Board is intelligent Ethernet / DMX protocol converter with functions of merging (merging), data backup and is an effective solution for controlling light equipment based
on the DMX512 interface.
A feature of the converter is its versatility,
which is expressed in the possibility of various transformations, mergers (merging), protocols DMX512, RDM (ANSI E1.20), ArtNet (1,2,3,4), sACN (Draft, Release), KiNet (v1, v2), RTTrPL, transmission data of these protocols via Ethernet, as well as the ability to building different combinations of receiving / transmitting signals.
The device can be powered at the same time (for redundancy power supply) or separately, as from a constant voltage of 5V, and using the IEEE 802.3af (Power over Ethernet (PoE)) standard. To configure the equipment, you can use built-in Web-interface, ArtGate Setting utility, third-party software supporting ArtNet protocol, or unique specially developed software ARISTO. The device is designed in a packageless performance and can be used at positive temperatures indoors and on covered areas. Flexibility in the possibilities of placing the device is characterized by its small size, allowing the device to be installed in various "hatches", niches or in the case of third-party equipment.

Benefits

Frameless execution

Supports DMX512, ArtNet (1,2,3,4) protocols, RDM (ANSI E1.20), sACN (Draft, Release), KiNet (v1, v2), RTTrPL

Save function for setting profiles

Fixed IP address support for access to settings

Intuitive web interface

Support for various merging modes HTP, LTP, AUTO, PRIORITY

Application area

For use in various halls and sites with need to transmit more DMX streams using Ethernet

For control and flexible lighting control via a single Ethernet network

To ensure the conversion of video content of the media server to DMX streams when using equipment of the DMX512 standard

To ensure interaction between various modern software and various DMX fixtures

For real-time control of video projectors and laser devices supporting ArtNet or sACN, from DMX console

To work with CAST BlackTrax equipment via RTTrPL protocol

Mechanical

Housing: No
Dimensions, mm: 67 (L) x 15 (H) x 54 (W)
Weight: 0.05 kg
Installation: stage equipment,
lamps, etc.

Power & Electrical

Power supply: 5V or PoE
Max Power Consumption: 1W

Environmental

Operating temperatures: 0 ... + 60 ° C
Storage temperatures: -50 ... + 70 ° C
Max. relative humidity: 95%
IP Rating: no
Certificates: EAC, CE, RoHS
Warranty: 36 months

Control / Data Connections

Supported protocols: DMX512, RDM,
ArtNet I, II, III, IV, sACN draft, release, KiNet v1, v2
RTTrPL
Refresh rate DMX data: 44 Hz

Inputs / Outputs

DMX ports: 1
DMX connectors: RJ-45
Ethernet ports: 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
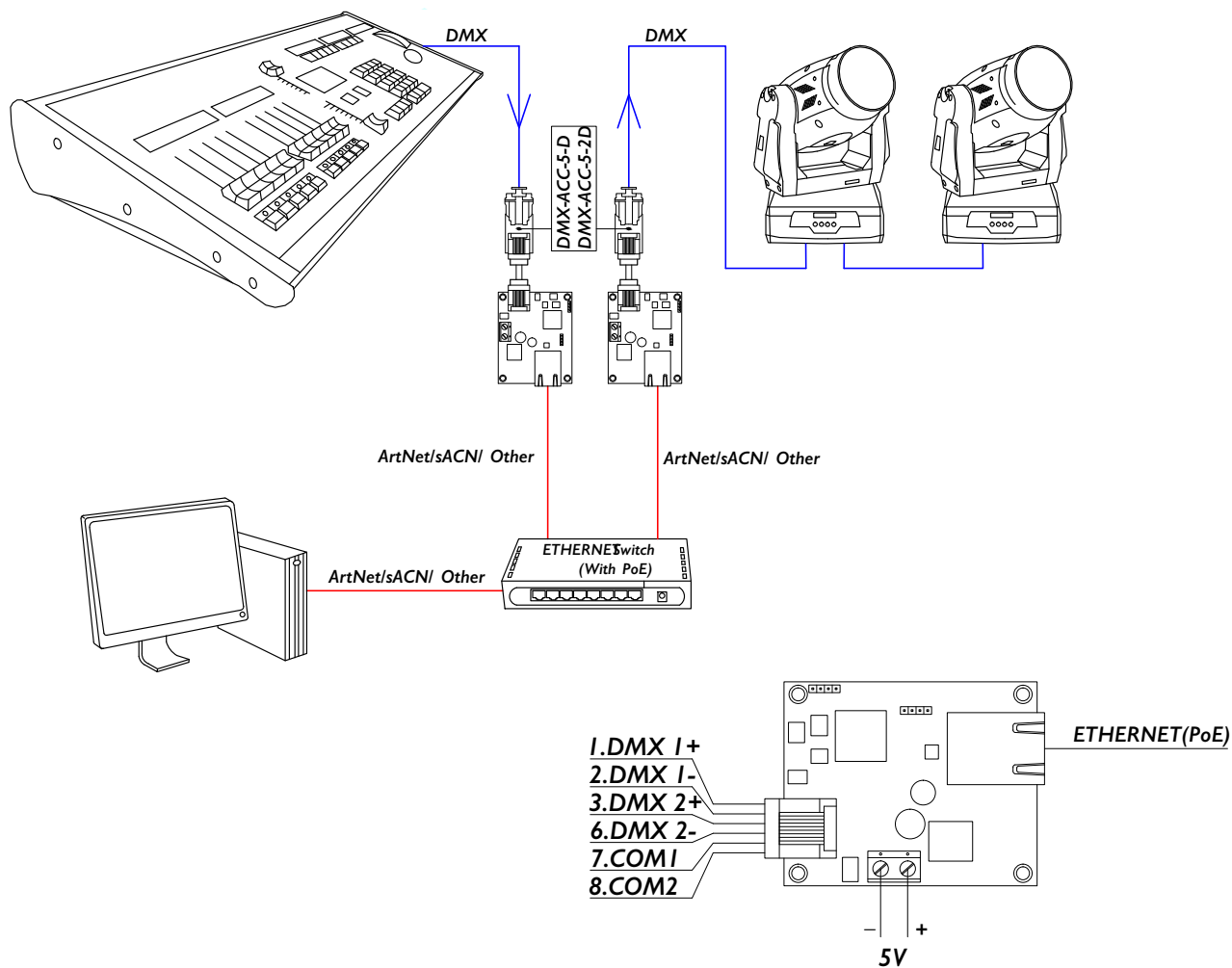
ArtGate Board

Product line

Modification	Vendor Code
ArtGate Board	AGB-6-2DE

ArtGate Board

Connection diagram

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

Аксессуары

Name	Vendor Code
Ethernet cable, RJ45, 3m	ACC-CCE-X/RJ3
DMX cable (5-pin) M / (5-pin) F, 0.5m	ACC-CCDMX-5F/5M05
DMX cable (5-pin) M / (5-pin) F, 3m	ACC-CCDMX-5F/5M3
Adapter (5-pin) M / (3-pin) F	ACC-AD-N5M/N3F
Adapter (5-pin) F / (3-pin) M	ACC-AD-N5F/N3M
Adapter for ArtGate Board, 1 (5-pin) M / RG45	ACC-AD-RG45/N5M
Adapter for ArtGate Board, 2 (5-pin) M / RG45	ACC-AD-RG45/2N5M
Surface mounting kit for Board series	ACC-MK-BO-SUR

SUNDRAX electronics

Board series

sundrax.com