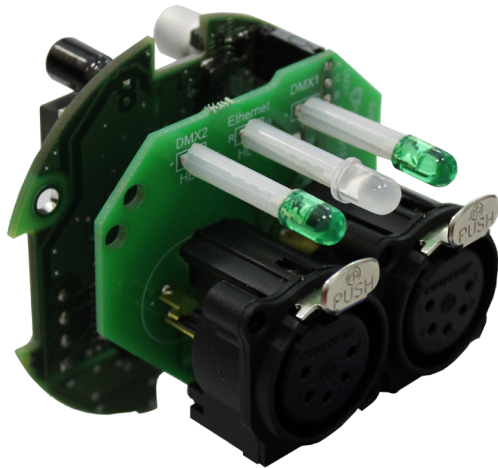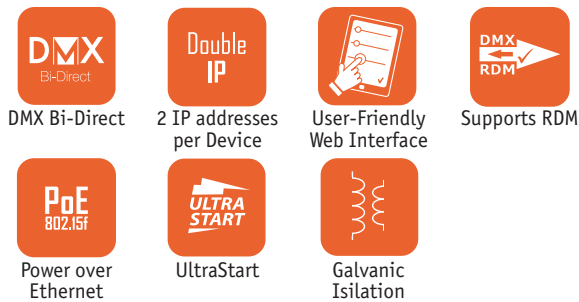# ArtGate Compact

Bidirectional converter, booster, intelligent merger

Version: 2.02
12 Sep 2017

Ultra-small DMX<->ArtNet/sACN converter for installation into wall sockets, stage equipment, lighting fixtures. ArtGate Compact converts DMX512 to ArtNet/sACN in both directions. Various merging modes available: HTP, LTP, AUTO, PRIORITY, OVERLAY. Supplied in 1-port and 2-port modifications (inputs or outputs). Compatible with any hardware and software supporting ArtNet and sACN protocols. Configuration is performed through web-based management page. Available as OEM board to be integrated into your fixtures and installations.

DMX Bi-Direct

Double IP — 2 IP addresses per Device

User-Friendly Web Interface

DMX RDM — Supports RDM

PoE 802.15f — Power over Ethernet

ULTRA START — UltraStart

Galvanic Isilation

Advantages

Minimum loading time, fastest recovery after short power failure

Master IP that never gets lost

Natural heat convection, no fans or coolers, no vent slots – full protection from dust and smoke increases product lifetime

Maximum surge protection – power supply optimized for voltage from 100 to 315 V

Galvanic isolation

Simple user-friendly web interface

Configurable DMX port direction

Application

Convert DMX512 into ArtNet and sACN protocols in both directions to transmit DMX data through Ethernet LAN

Transmit more DMX streams with less cables

Lighting control and management through single Ethernet network

Convert mapped video content from mapping software into DMX streams

Ensure interfacing between modern stage lighting software and DMX lighting

Real-time control of video projectors and laser units supporting ArtNet or sACN from DMX console

Merging Options

HTP: highest takes precedence

LTP: latest takes precedence

AUTO: last modified takes precedence – intelligent merging mode that provides availability to manage installation from two consoles simultaneously

OVERLAY: merges custom slots from two ArtNet/sACN streams, fully customized through web interface

PRIORITY: for sACN streams with priority tag, console with the highest priority for a given Universe will be in charge

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Technical Specifications

Mechanical

- Housing: No (OEM)
- Dimensions, mm: 60(D) x 60(H) x 55(W)
- Mass: 0.1 kg
- Mounting: Outlet box

Power & Electrical

- Power supply: PoE
- Input Power (max): 1 W

Environmental

- Operating Temperature: 0…+60°C
- Storage Temperature: -50…+70°C
- Operating Relative Humidity (max): 95%
- IP Rating: IP 20
- Certification: CE, RoHS
- Warranty: 36 Month (Return to base)

Control / Data Connections

- Supported protocols: ArtNet I, II, III, IV/ sACN, DMX512, RDM
- Data update rate: 44 Hz

Inputs / Outputs

- DMX ports: 1 or 2
- DMX connectors: 1 XLR(M), 1 XLR(F) (3 pins, 5 pins)
- Ethernet port: 10/100 Base-TX
- Ethernet connectors: LSA-PLUS® connector

Configuration / Indication

- Setup: Web interface
- Indication: LEDs for DMX and Ethernet activity
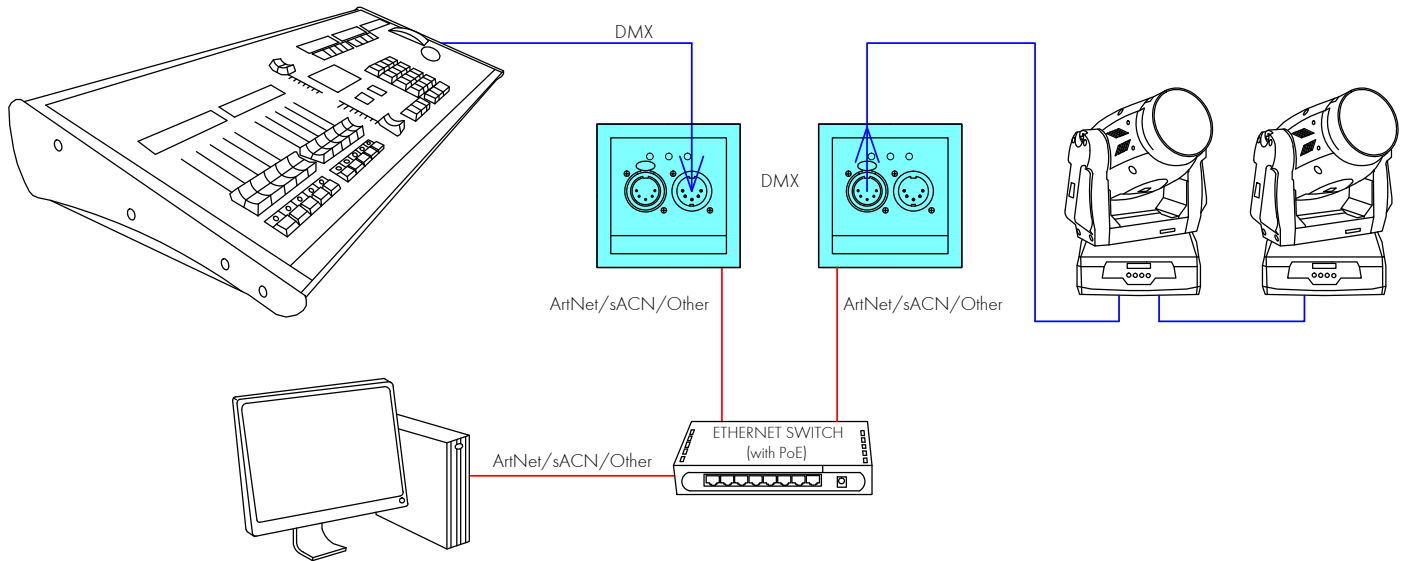
Package Contents

- ArtGate Compact
- User guide

Product Line

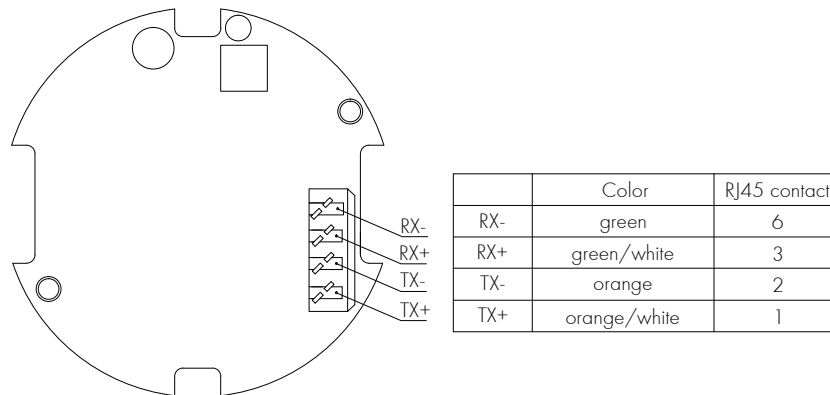| Name	Modification	Product code
ArtGate Compact	1 DMX input / 1 DMX output (3-pin), 1 Ethernet port	AGC-3-DE
	1 DMX input/ 1 DMX output (5-pin), 1 Ethernet port	AGC-5-DE
	2 DMX outputs (3-pin), 1 Ethernet port	AGC-3-2DE
	2 DMX outputs (5-pin), 1 Ethernet port	AGC-5-2DE

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Connection Scheme

DMX

DMX

ArtNet/sACN/Other

ArtNet/sACN/Other

ArtNet/sACN/Other

ETHERNET SWITCH
(with PoE)

Ethernet Connection

RX-
RX+
TX-
TX+

	Color	RJ45 contact
RX-	green	6
RX+	green/white	3
TX-	orange	2
TX+	orange/white	1

Accessories

Name	Product code
Cover plate for European sockets	AGC-2-EU
Cover plate for US sockets	AGC-2-US

Disclaimer

To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. No liability accepted for errors or omissions. Always make sure to use the most recent release and contact Sundrax Electronics to verify correctness before placing your order.