

# CrossGate Pro

Version: 2.01  
09 Aug 2017

Bidirectional hybrid DMX <=> ArtNet/sACN converter, splitter, booster, intelligent mergers + wireless (2.4 GHz) transceiver

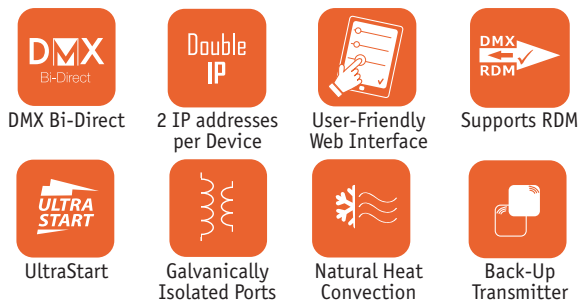
>be  
**DMX**



Rack mounted hybrid DMX-ArtNet/sACN converter using Ethernet LAN 10/100Base-T to transmit DMX signal and providing hot backup through wireless 2.4 GHz channels. Smart choice for touring as a spare device that covers both transmission technologies.

Various merging modes available: HTP, LTP, AUTO, PRIORITY, OVERLAY. Compatible with any hardware and software supporting ArtNet and sACN protocols.

Wireless transmission with RDM feedback up to 1500 metres distance with enhanced antennas. Adaptive Frequency Hopping (AFH) helps to avoid disturbance from any other wireless equipment.



## Advantages

Resistant to interference beDMX protocol based on Bluetooth 2.0 protocol

Minimum loading time, fastest recovery after short power failure

Master IP that never gets lost

Maximum surge protection from 100 to 315 V

Full galvanic isolation of all ports

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 and transmit DMX/ArtNet/sACN wirelessly

Optimize rental product range – use single device instead of two different

Rental tours when total quantity of required converters and wireless systems is unpredictable

Hot backup of Ethernet line by wireless channel

## 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

# CrossGate Pro

Bidirectional hybrid DMX <-> ArtNet/sACN converter, splitter, booster, intelligent mergers + wireless (2.4 GHz) transceiver

## Technical Specifications

### Mechanical

- Housing: Solid case
- Material: Metal
- Dimensions, mm: 482(D) x 44(H) x 110(W)
- Mass: 1.2 kg
- Mounting: Rack 1 unit

### Power & Electrical

- Power supply: ~90-250 VAC, 50/60 Hz
- Input Power (max): 5 W
- Mains Fuse: 0.5 A

### 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
- DMX data refresh rate: 44 Hz
- Transmission range (standard antenna): 100 m
- Communication protocol: Bluetooth 2.0
- RF band: 2.4 GHz

### Inputs / Outputs

- DMX ports: 2 or 4
- BeDMX ports: 2 or 4
- Connectors: 4 or 8 XLR (5 pins, 3 pins)
- Ethernet port: 10/100 Base-TX
- Ethernet connectors: RJ-45/ EtherCon

### Configuration / Indication

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

### Package Contents

- CrossGate Pro
- 2.4 GHz Antenna (2 or 4)
- Power cable
- User guide

## Product Line

Name	Modification	Product code
CrossGate PRO	2 DMX inputs/outputs (3-pin), 1 Ethernet port, 2 BeDMX ports (1024ch)	CGP-3-2DE2B
	2 DMX inputs/outputs (5-pin), 1 Ethernet port, 2 BeDMX ports (1024ch)	CGP-5-2DE2B
	4 DMX inputs/outputs (3-pin), 1 Ethernet port, 4 BeDMX port (2048ch)	CGP-3-4DE4B
	4 DMX inputs/outputs (5-pin), 1 Ethernet port, 4 BeDMX port (2048ch)	CGP-5-4DE4B



Bidirectional hybrid DMX <-> ArtNet/sACN converter, splitter, booster, intelligent mergers + wireless (2.4 GHz) transceiver

Name	Product code
Truss mounting kit	MCA-1-TMK
2.4GHz Long Range BeDMX antenna	DMX-ACC-BLT-024
Antenna Cable 5m	DMX-ACC-ANT-0500
Antenna Cable 10m	DMX-ACC-ANT-1000
Ethernet Cable 3m	DMX-ACC-ETH-0300

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.