

# CrossGate Solid (DMX/ArtNet/sACN)

Version: 2.01  
09 Aug 2017

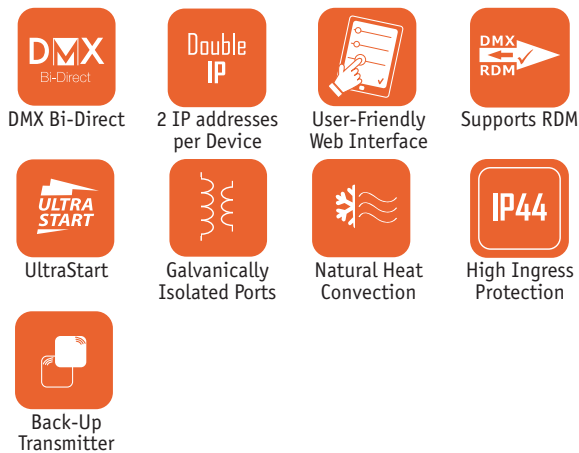
Bidirectional hybrid DMX <-> ArtNet/sACN converter, splitter, booster, intelligent mergers + wireless (2.4 GHz) transceiver



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. Packed into roadworthy die-cast metal cases, fully protected from fog and smoke, with galvanically isolated ports.

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.



## 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

## 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

## 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: Solid case
- Material: Metal
- Dimensions, mm: 115(D) x 55(H) x 90(W)
- Mass: 0.85 kg
- Mounting: Surface, Truss

### Power & Electrical

- Power supply: ~90-250 VAC, 50/60 Hz or 12-24 VDC
- Max current consumption: 0.1 A
- Mains Fuse: 0.5 A (VAC modification)

### Environmental

- Operating Temperature: 0...+60°C
- Storage Temperature: -50...+70°C
- Operating Relative Humidity (max): 95%
- IP Rating: IP 44
- Certification: CE, RoHS
- Warranty: 36 Month (Return to base)

### Control / Data Connections

- Supported protocols: ArtNet I, II, III, IV/ sACN, DMX512, RDM
- Data refresh rate: 44 Hz
- Transmission range (standard antenna): 100 m
- Communication protocol: Bluetooth 2.0
- RF band: 2.4 GHz

### Inputs / Outputs

- Wireless channels: 1 or 2
- DMX ports: 1 isolated
- Connectors: 1 XLR(M), 1 XLR(F) (5 pins, 3 pins)
- Ethernet port: 10/100 Base-TX
- Ethernet connectors: RJ-45/ EtherCon

### Configuration / Indication

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

### Package Contents

- CrossGate Solid
- 2.4 Ghz Antenna (1 or 2)
- User guide

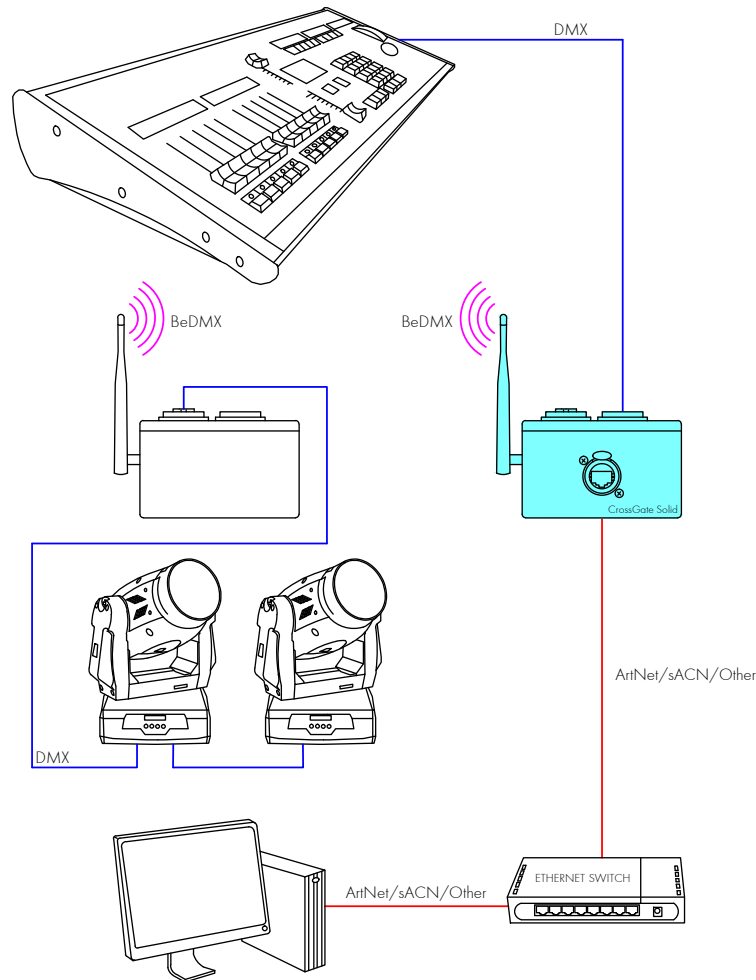
## Product Line

Name	Modification	Product code
CrossGate Solid	1 DMX port (3-pin), 1 BeDMX port, 1 Ethernet port, 100-250 VAC (512ch)	CGS-3-DBE-AC
	1 DMX port (5-pin), 1 BeDMX port, 1 Ethernet port, 100-250 VAC (512ch)	CGS-5-DBE-AC
	1 DMX port (3-pin), 2 BeDMX ports, 1 Ethernet port, 100-250 VAC (1024ch)	CGS-3-D2BE-AC
	1 DMX port (5-pin), 2 BeDMX ports, 1 Ethernet port, 100-250 VAC (1024ch)	CGS-5-D2BE-AC
	1 DMX port (3-pin), 1 BeDMX port, 1 Ethernet port, 12-24VDC (512ch)	CGS-3-DBE-DC
	1 DMX port (5-pin), 1 BeDMX port, 1 Ethernet port, 12-24VDC (512ch)	CGS-5-DBE-DC
	1 DMX port (3-pin), 2 BeDMX ports, 1 Ethernet port, 12-24VDC (1024ch)	CGS-3-D2BE-DC
	1 DMX port (5-pin), 2 BeDMX ports, 1 Ethernet port, 12-24VDC (1024ch)	CGS-5-D2BE-DC

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## Connection Scheme



## Accessories

Name	Product code
Truss mounting kit (2-port device)	MCA-1-113
2.4 GHz 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

### Disclaimer

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