



## RadioGate Plus Solid

DMX wireless transceiver  
+ DMX-Ethernet converter

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.

Compatible with any hardware and software supporting ArtNet and sACN protocols.

Wireless transmission up to 1500 metres distance with enhanced antennas. Adaptive Frequency Hopping (AFH) helps to avoid disturbance from any other wireless equipment. Available as IP65 modification (RadioGate Plus Arma) and as 1-universe DMX-only transceiver (RadioGate Solid).



### Advantages

- 2 or 4 isolated DMX ports
- AC or DC power supply
- Resistant to interference beDMX protocol based on Bluetooth 5.0 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 or two-button programming
- 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
- BACKUP: any network universe or local static scene can be selected for outputting when main source fails
- PRIORITY: for sACN streams with priority tag, console with the highest priority for a given Universe will be in charge
- TRIGGER and X-FADE: TRIGGER and X-FADE: switch dynamically between lighting desks, media servers, and other control sources

 Power over Ethernet	 DMX Bi-Direct	 Supports RDM	 UltraStart
 Galvanic Isolated Ports	 Natural Heat Convection	 Highest Ingress Protection	 Back-Up Transmitter
 2 IP addresses per Device			

### 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

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DMX wireless transceiver +  
DMX-Ethernet converter

Version: 4.00  
15 Jul 2020

## Technical Specifications

### Mechanical

**Housing:** solid case

**Material:** metal

**Dimensions (with sockets and buttons), mm:**

181(D) x 55(H) x 137(W)

**Dimensions (without sockets and buttons), mm:**

171(D) x 55(H) x 121(W)

**Mass:** 1.2 kg

**Mounting:** Surface, Truss

### Power & Electrical

**Input Voltage:** 90-250 VAC, 50/60 Hz  
or 12-24 VDC

**Max current consumption:** 0.1A

### Environmental

**Operating Temperature:** 0...+60°C

**Storage Temperature:** -50...+80°C

**Operating Relative Humidity (max):** 95%

**IP Rating:** IP 44

**Certification:** CE, RoHS

**Warranty:** 36 Month

### Control / Data Connections

**Supported protocols:** DMX512, RDM, ArtNet I, II, III, IV, sACN draft, release, KiNet v1, v2 RTTrPL sACN draft, release

**Data refresh rate:** 44 Hz

**Transmission range (standard antenna):** 200m

**Communication protocol:** Bluetooth 5.0

**RF band:** 2.4 GHz

### Inputs / Outputs

**DMX ports:** 2 or 4 isolated: 2-4 XLR(M), 2-4 XLR(F) (5 pins)

**Wireless channels:** 2

**Ethernet ports:** 10/100 Base-TX, RJ-45/ EtherCon

### Configuration / Indication

**Setup:** Web interface, buttons

**Indication:** LEDs for DMX, beDMX and Ethernet activity

### Package Contents

**RadioGate Plus Solid**  
**2 antennas 2.4 GHz**

## Product Line

Name	Modification	Product code
RadioGate Solid	2 DMX ports (5-pin), 2 BeDMX ports, 1 Ethernet port, 100-250 VAC (1024ch)	RGS-5-2D2CE-AC
	2 DMX ports (5-pin), 2 BeDMX ports, 1 Ethernet port, 12-24VDC (1024ch)	RGS-5-2D2CE-DC
	4 DMX ports (5-pin), 2 BeDMX ports, 1 Ethernet port, 100-250 VAC (2048ch)	RGS-5-4D2CE-AC
	4 DMX ports (5-pin), 2 BeDMX ports, 1 Ethernet port, 12-24VDC (2048ch)	RGS-5-4D2CE-DC
	4 DMX ports (3-pin), 4 BeDMX ports, 1 Ethernet port, 100-250VAC (2048ch)	RGS-3-4D2CE-AC
	2 DMX ports (3-pin), 2 BeDMX ports, 1 Ethernet port, 100-250VAC (1024ch)	RGS-3-2D2CE-AC



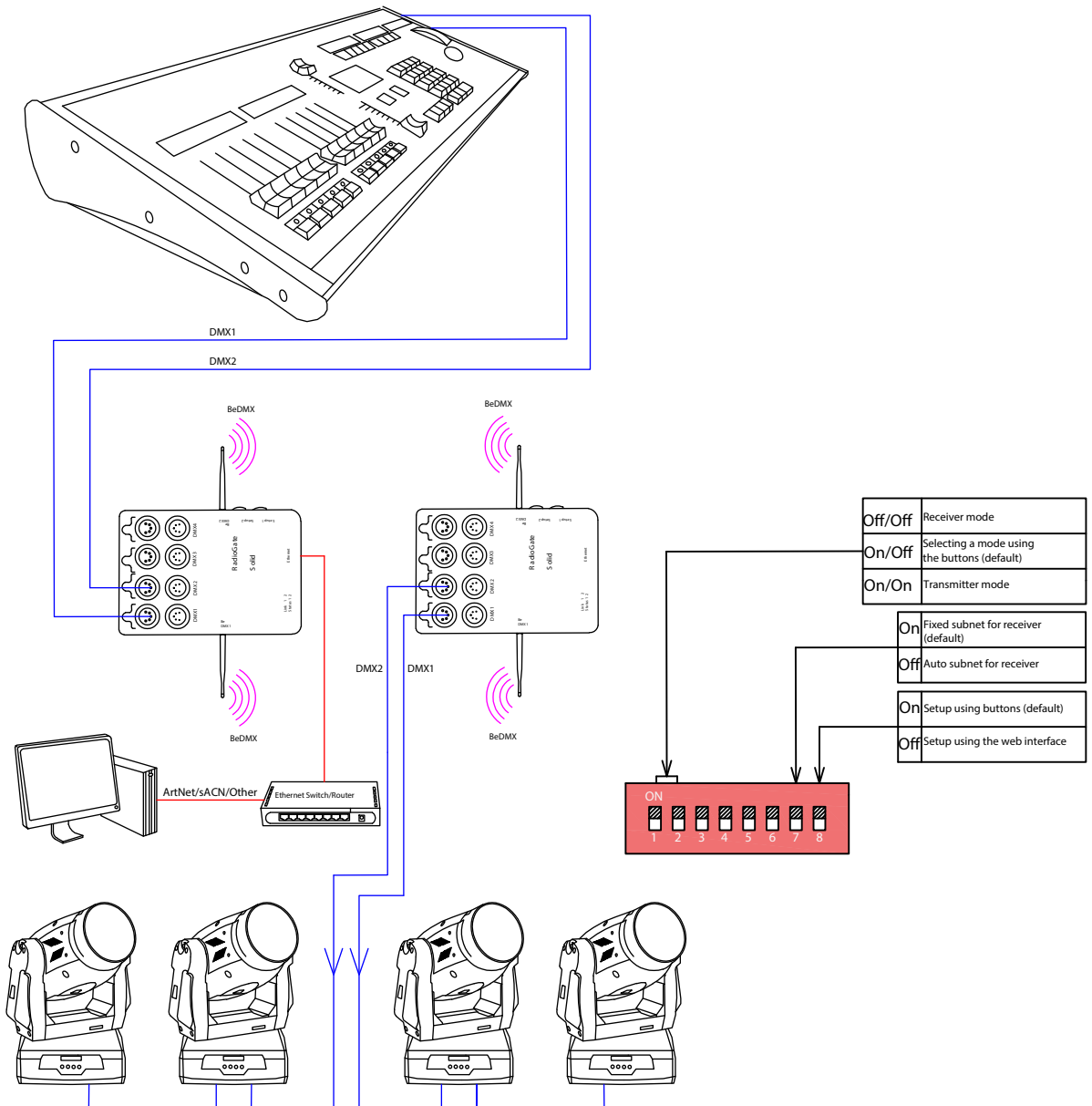
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## Connection Scheme



## Accessories

### Name

- Truss mounting kit (Solid, Arma)
- Antenna 2.4 GHz long range outdoor
- Antenna Cable 5m

### Product code

- DMX-MCA-1-113
- DMX-ACC-ANT-ENH
- DMX-ACC-ANT-0500



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