DMX

Professional Networking Solutions
For Entertainment Lighting

Wireless • Ethernet • Fiber Optics • Powerline
Hybrids • Switches • LED & Pixel Drivers • Splitters

entertainment.sundrax.com

About us

Sundrax is a leading manufacturer of professional hardware and software for entertainment lighting networking. The company's mission is to develop innovative, turn-key, fully integrated solutions for almost all areas of the lighting industry. Whatever your requirements are, we are happy to supply you with reliable and project-oriented products for road & street, architectural, and stage lighting management. The biggest theatres and concert halls have chosen our equipment for their permanent installations. Our regular customers are some of the largest touring and rental companies.Today Sundrax is an established innovator, affordably priced with unequalled reliability and worldwide customer service.

DMX
via Ethernet

A series of multifunctional devices for bi-directional DMX512-Ethernet converting. Supports wide range of network protocols for DMX data transmission: ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL.

Various merging modes available: HTP, LTP, Auto, Priority, Backup, Trigger, XFade (see Merging options). Our Ethernet converters are able to merge up to 4 incoming ArtNet/sACN/KiNet/RTTrPL streams in any combination into DMX512 output for perfect show backup. All DMX ports may be used as inputs or outputs. Management by web interface, ArtGate utility, or any standard software supporting ArtNet.

Available as:

GigaJet Pro: Ethernet-DMX + fibre optic link and gigabit switch, rack mounted

GigaJet20 Pro: 20-port Ethernet-DMX + fibre optic link and gigabit switch, rack mounted (2 units)

ArtGate Pro: Ethernet-DMX, rack-mounted

ArtGate Solid: truss mounted Ethernet-DMX nodes

ArtGate Arma: wall-surface mounted Ethernet-DMX nodes for outdoor use (IP65)

ArtGate DIN: DIN rail mounted Ethernet-DMX nodes

ArtGate Compact: wall socket mounted Ethernet-DMX nodes

ArtGate Board: Ethernet-DMX node as OEM board

Merging Modes

HTP: highest takes precedence,

LTP: latest takes precedence,

AUTO: last modified takes precedence – smart merging mode,

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

BACKUP: any network universe or local static scene can be selected for outputting when main source fails,

TRIGGER and X-FADE: switch dynamically between lighting desks, media servers, and other control sources.

Note: Merged data may be outputted to physical DMX ports, and/or looped back to Ethernet as new network universe

GigaJet Pro
Dmx-Ethernet node with fibre optic link and gigabit switch

Multifuctional rack mounted bidirectional converter, splitter, booster, intelligent merger transmitting DMX/ArtNet/sACN/KiNet/ RTTrPL streams in Gigabit Ethernet (10/100/1000 Base-T) and fibre optic networks.

Fibre optic increases maximum length of direct connection between devices up to 2000 meters (using multimode SFPmodules), or up to 10 km (using single mode SFP modules).The device also acts as 5-port Ethernet switch working in 10/100/1000BASE-TX networks.

pro▸
series

8 DMX512 ports (XLR 5-pin, 2 paired)
Integrated fibre optic port (SFP module)
Gigabit network switch
5 Ethernet ports (EtherCON)
PoE support
Maximum surge protection – power supply optimized for voltage from 90 to 315 V
Simple user-friendly web interface
Configurable DMX port direction and parametres
Supported network protocols: ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL
Full RDM E1.20 support (controller/responder)
Static scenes (presets) stored in non-volatile memory
Ability to work as standalone splitter/merger
Fastest recovery after short power failure
PowerCON TRUE1 inlet+outlet combination
Trigger inputs for external events and alarms
DHCP support
IP address conflict detection

Environmental

Operating Temperature	0…+60°C
Storage Temperature	-50…+70°C
Operating Relative Humidity (max)	95%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

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

Power & Electrical

Power supply	~100-277 VAC, 50/60 Hz; PoE 802.3af mode A, B
Input power (max)	5 W
Mains Fuse	0.5 A

Control / Data Connections

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

Configuration / Indication

Setup	Web interface, software
Indication	LEDs for DMX, Ethernet and SFP activity

Inputs / Outputs

DMX connectors	2x XLR (M), 8x XLR (F) (5-pin)
Ethernet ports	5x RJ-45/ EtherCON 10/100/1000 Base-TX
Fibre Optic connectors	SFP module
Trigger inputs	2

UltraStart

User-Friendly Web Interface

Natural Heat Convection

Galvanically Isolated Ports

Supports RDM

2 IP adresses per Device

Back-Up Transmitter

Power over Ethernet

Gigabit Ethernet switch

Trigger Input

Application

Convert DMX512 into ArtNet, sACN, KiNet v1,v2 or RTTrPL protocols in both directions to transmit DMX data through Ethernet LAN

Transmit more DMX streams with less cables

Lighting control and management through single 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

GigaJet20 Pro

Dmx-Ethernet node with fibre optic link and gigabit switch

Multifuctional rack mounted bidirectional converter, splitter, booster, intelligent merger transmitting DMX/ArtNet/sACN/KiNet/ RTTrPL streams in Gigabit Ethernet (10/100/1000 Base-T) and fibre optic networks up to 2 or 10 km depending on SFP module mode. The device may be also used as 3-port Ethernet switch.

Environmental

Operating Temperature	0…+60°C
Storage Temperature	-50…+70°C
Operating Relative Humidity (max)	95%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	Solid case
Material	Metal
Dimensions, mm	482(D) x 70(H) x 110(W)
Weight	1.5 kg
Mounting	Rack 2 unit

Power & Electrical

Power supply	~100-277 VAC, 50/60 Hz; PoE 802.3af mode A, B
Input power (max)	5 W
Mains Fuse	0.5 A

Control / Data Connections

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

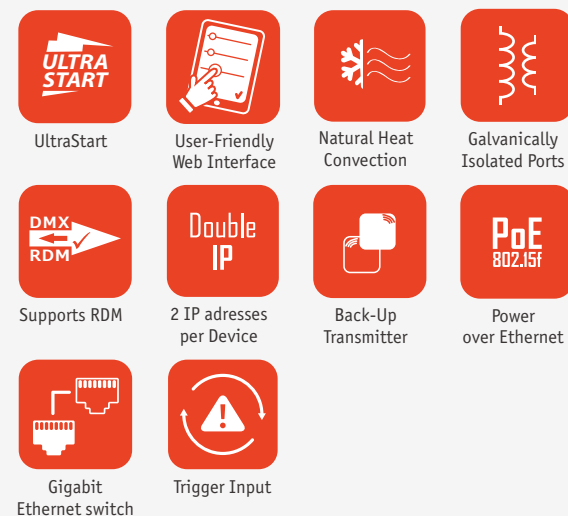### Configuration / Indication

Setup	Web interface, software
Indication	LEDs for DMX, Ethernet and SFP activity

Inputs / Outputs

DMX connectors	4x XLR (M), 20x XLR (F) (5-pin)
Ethernet ports	3x RJ-45/ EtherCON 10/100/1000 Base-TX
Fibre Optic connectors	SFP module
Trigger inputs	2

20 DMX512 ports (XLR 5-pin, 4 paired)

Integrated fibre optic port (SFP module)

Gigabit network switch

3 Ethernet ports (EtherCON)

PoE support

Maximum surge protection – power supply optimized for voltage from 90 to 315 V

Simple user-friendly web interface

Configurable DMX port direction and parametres

Supported network protocols: ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL

Full RDM E1.20 support (controller/responder)

Static scenes (presets) stored in non-volatile memory

Ability to work as standalone splitter/merger

Fastest recovery after short power failure

PowerCON TRUE1 inlet+outlet combination

Trigger inputs for external events and alarms

DHCP support

IP address conflict detection

UltraStart	User-Friendly Web Interface	Natural Heat Convection	Galvanically Isolated Ports
Supports RDM	2 IP adresses per Device	Back-Up Transmitter	Power over Ethernet
Gigabit Ethernet switch	Trigger Input		

ArtGate Pro

Bidirectional DMX-ArtNet/sACN converter, splitter, booster, intelligent merger

Rack mounted ArtGate PRO is smart solution to transmit more DMX universes through single Ethernet LAN 10/100Base-T link since most lighting consoles and lighting software in the market already have ArtNet output by default. Merges two incoming ArtNet streams as well as any combination of ArtNet and DMX streams into DMX output for perfect show backup.

ArtGate Pro merges up to 4 incoming ArtNet streams as well as any combination of ArtNet, sACN, or DMX streams to outputs for perfect show backup. Configuration is performed through web-interface or ArtGate Settings utility. Supplied in 4-port and 8-port modifications.

Environmental

Operating Temperature	0…+60°C
Storage Temperature	-50…+70°C
Operating Relative Humidity (max)	95%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

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

Power & Electrical

Power supply	~90-277 VAC, 50/60 Hz, PoE 802.15f mode A, B
Input power (max)	5 W

Control / Data Connections

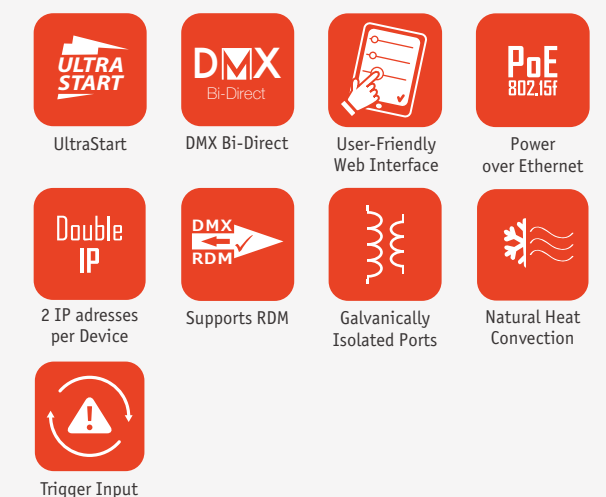|	
Supported protocols	DMX512, RDM, ArtNet I, II, III, IV, sACN draft, release, KiNet v1, v2 , RTTrPL
DMX data refresh rate	44 Hz

Configuration / Indication

Setup	Web interface, ArtGate setup utility
Indication	LEDs for DMX and Ethernet activity

Inputs / Outputs

DMX ports	4 or 8 DMX512 ports
Connectors	2x male XLRs + 4x or 8x female XLRs (3- or 5-pin), 2 RJ45/EtherCon, terminal block

4 or 8 DMX512 ports (incl. 2 paired M+F)

2 Ethernet ports (EtherCON) with switch functionality

PoE support

Maximum surge protection – power supply optimized for voltage from 90 to 315 V

Simple user-friendly web interface

Configurable DMX port direction and parametres

Smart DMX output feature

Supported network protocols: ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL

Full RDM E1.20 support (controller/responder)

Ability to work as standalone splitter/merger

Fastest recovery after short power failure

PowerCON TRUE1 inlet+outlet combination

Trigger inputs for external events and alarms

DHCP support

IP address conflict detection

UltraStart	DMX Bi-Direct	User-Friendly Web Interface	Power over Ethernet
2 IP adresses per Device	Supports RDM	Galvanically Isolated Ports	Natural Heat Convection
Trigger Input			

ArtGate Solid
Bidirectional converter, splitter, booster, intelligent merger

Multifunctional converters that translate Ethernet protocols (ArtNet, sACN) into DMX to control more lighting fixtures through single Ethernet LAN 10/100Base-T link. Incredible amount of universes thanks to second Ethernet port adding cascading availability through integrated switch.

All DMX ports may be used as inputs or outputs. Compatible with any hardware and software supporting ArtNet and sACN protocols. Configuration through web-based management page and ArtGate Manager utility. Tough and compact metal enclosure (IP44) resistant to dust and smoke. ArtGates Solid may be powered through Ethernet (PoE) without power cabling.

Environmental

Operating Temperature	0…+60°C
Storage Temperature	-40…+70°C
Operating Relative Humidity (max)	95%
IP Rating	IP44
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	Solid case
Material	Metal
Dimensions, mm	171(D) x 55(H) x 121(W)
Weight	1.2 kg
Mounting	Surface, Truss

Power & Electrical

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

Control / Data Connections

Supported protocols	DMX512, RDM, ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL
DMX data refresh rate	44 Hz

Configuration / Indication

Setup	Web interface
Indication	LEDs for DMX and Ethernet activity

Inputs / Outputs

DMX ports	2 or 4 isolated
Connectors	XLR (M), XLR (F)
Ethernet ports	2 (10/100 Base-TX)
Ethernet connectors	RJ-45/ EtherCon
PoE port	1

PoE support

Lockable RJ-45 EtherCONs

Full protection from dust and smoke

Maximum surge protection from 100 to 315 V

Full galvanic isolation of all ports

Easy installation and programming

Configurable DMX port direction

Configurable parameters of DMX signal

Support network protocols: ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL

Variable merging options: HTP, LTP, Auto, Priority, Backup, Trigger, XFade

Full RDM E1.20 support (controller/responder)

Static scenes (presets) stored in non-volatile memory

Works as standalone splitter/merger

Minimum loading time

Master IP that never gets lost

UltraStart	DMX Bi-Direct	User-Friendly Web Interface	Power over Ethernet
2 IP adresses per Device	Supports RDM	Galvanically Isolated Ports	High Ingress Protection (IP44)
Natural Heat Convection			

ArtGate Arma
Bidirectional converter, splitter, booster, intelligent merger

Multifunctional waterproof converters perfect for outdoor use. Translate Ethernet protocols (ArtNet, sACN) into DMX to control more lighting fixtures through single Ethernet LAN 10/100Base-T link. Incredible amount of universes thanks to second Ethernet port adding cascading availability through integrated switch. All DMX ports may be used as inputs or outputs.

Compatible with any hardware and software supporting ArtNet and sACN protocols. Configuration through web-based management page and ArtGate Manager utility. Tough and compact waterproof metal enclosure (IP65) specifically crafted for outdoor use. ArtGates Arma may be powered through Ethernet (PoE).

Environmental

Operating Temperature	-40…+70°C
Storage Temperature	-50…+80°C
Operating Relative Humidity (max)	100%
IP Rating	IP65 for outdoor use
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	Solid case
Material	Metal
Dimensions, mm	171(D) x 55(H) x 121(W)
Weight	1.2 kg
Mounting	Surface, Truss

Power & Electrical

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

Control / Data Connections

Supported protocols	DMX512, RDM, ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL
Data refresh rate	44 Hz

Configuration / Indication

Setup	Web interface
Indication	LEDs for DMX and Ethernet activity

Inputs / Outputs

DMX ports	2 or 4
DMX connectors	15EDGVC terminal blocks
Ethernet ports	2 (10/100 Base-TX)
Ethernet connectors	LSA-PLUS® connector
DMX connectors	15EDGVC terminal blocks
PoE port	1

PoE support

Full protection from dust and smoke

Maximum surge protection from 100 to 315 V

Full galvanic isolation of all ports

Easy installation and programming

Configurable DMX port direction

Configurable parameters of DMX signal

Support network protocols: ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL

Variable merging options: HTP, LTP, Auto, Priority, Backup, Trigger, XFade

Full RDM E1.20 support (controller/responder)

Static scenes (presets) stored in non-volatile memory

Works as standalone splitter/merger

Minimum loading time

Master IP that never gets lost

UltraStart	DMX Bi-Direct	User-Friendly Web Interface	Power over Ethernet
2 IP adresses per Device	Supports RDM	Galvanically Isolated Ports	Highest Ingress Protection (IP65)
Natural Heat Convection			

ArtGate DIN
Bidirectional converter, splitter, booster, intelligent merger

DIN mounted multifunctional converters that translate Ethernet protocols (ArtNet, sACN) into DMX to control more lighting fixtures through single Ethernet LAN 10/100Base-T link. Trigger inputs provide ability to launch pre-programmed DMX scenarios when triggers (e.g. fire alarm) are activated even if the console is down.

Two RJ-45 Ethernet inputs and pluggable 15EDGVC terminal blocks for seamless connection. Up to 8 DMX outputs per one device, second Ethernet port adds cascading availability through integrated switch. May be powered through Ethernet (PoE) without power cabling.

Environmental

Operating Temperature	-40...+70°C
Storage Temperature	-50...+80°C
Operating Relative Humidity (max)	95%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	DIN mounted case (8 modules)
Material	Metal, Plastic
Dimensions, mm	210(D) x 105(H) x 75(W)
Weight	0.85 kg
Mounting	Power cabinet

Power & Electrical

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

Control / Data Connections

Supported protocols	DMX512, RDM, ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL
Data refresh rate	44 Hz

Configuration / Indication

Setup	Web interface
Indication	LEDs for DMX and Ethernet activity

Inputs / Outputs

DMX ports	4 or 8 isolated
DMX connectors	Terminal blocks 15 EDGVC
Ethernet ports	1x or 2x 10/100 Base-TX
Ethernet connectors	RJ-45

- PoE support
- Full protection from dust and smoke
- Maximum surge protection from 100 to 315 V
- Full galvanic isolation of all ports
- Easy installation and programming
- Configurable DMX port direction
- Configurable parameters of DMX signal
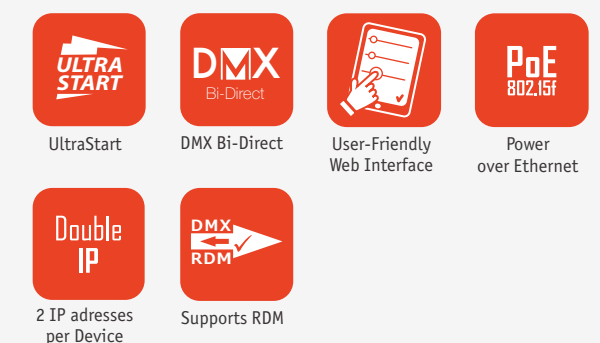- Support network protocols: ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL
- Variable merging options: HTP, LTP, Auto, Priority, Backup, Trigger, XFade
- Full RDM E1.20 support (controller/responder)
- Static scenes (presets) stored in non-volatile memory
- Works as standalone splitter/merger
- Minimum loading time
- Master IP that never gets lost

UltraStart | DMX Bi-Direct | User-Friendly Web Interface | Power over Ethernet

2 IP adresses per Device | Supports RDM | Galvanically Isolated Ports | Permanent Laser Engraving

Natural Heat Convection

ArtGate Compact
Bidirectional converter, booster, intelligent merger

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

Environmental

Operating Temperature	0...+60°C
Storage Temperature	-50...+70°C
Operating Relative Humidity (max)	95%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	No
Dimensions, mm	60(D) x 60(H) x 55(W)
Weight	0.15 kg
Mounting	Outlet box

Power & Electrical

Power supply	PoE
Input power (max)	1W

Control / Data Connections

Supported protocols	ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL
Data refresh rate	44 Hz

Configuration / Indication

Setup	Web interface
Indication	LEDs for DMX and Ethernet activity

Inputs / Outputs

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

- PoE support
- Easy installation and programming
- Configurable DMX port direction
- Configurable parameters of DMX signal
- Support network protocols: ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL
- Variable merging options: HTP, LTP, Auto, Priority, Backup, Trigger, XFade
- Full RDM E1.20 support (controller/responder)
- Master IP that never gets lost

UltraStart | DMX Bi-Direct | User-Friendly Web Interface | Power over Ethernet

2 IP adresses per Device | Supports RDM

ArtGate Board

OEM bidirectional DMX512-Ethernet converter, splitter, booster, intelligent merger

OEM bidirectional DMX512-Ethernet converter, splitter, booster, intelligent merger, for installation in stage equipment, lighting fixtures, etc. Supports wide range of network protocols for DMX data transmission: ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL.

Various merging modes available: HTP, LTP, Auto, Priority, Backup, Trigger, XFade (see Merging options). Able to merge up to 4 incoming ArtNet/sACN/KiNet/RTTrPL streams in any combination into DMX512 output for perfect show backup. All DMX ports may be used as inputs or outputs. Can be managed by web interface, ArtGate utility, or any standard software supporting ArtNet. Available as non-OEM to be integrated into stage floors or wall sockets.

Board series

Environmental

IP Rating	IP20, 0°C – +60°C
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Dimensions, mm	67(D) x 15(H) x 53(W)
Weight	0.05 kg
Mounting	Stage equipment, lighting fixtures, etc.

Power & Electrical

Power supply	PoE
Input power (max)	1W

Control / Data Connections

Supported protocols	DMX512, RDM, ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL
Data refresh rate	44 Hz

Configuration / Indication

Setup	Web interface
Indication	DMX and Ethernet activity

Inputs / Outputs

DMX ports	2
DMX Connectors	RJ-45 with optional XLR(M or F) (5pin) adapter
Ethernet port	10/100 Base-TX
Ethernet connectors	RJ-45

Small (67 x 54 x 15 mm) OEM board

Up to 2 DMX ports (RJ45 socket with optional RJ45-to-XLR5F adapter)

1 Ethernet port

Powered from PoE or external +5VDC

Easy installation and programming

Simple user-friendly web interface

Configurable DMX port direction

Configurable parameters of DMX signal

Support network protocols: ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL

Variable merging options: HTP, LTP, Auto, Priority, Backup, Trigger, XFade. Merged data may be outputted to physical DMX ports, and/or looped back to Ethernet as new network universe

Full RDM E1.20 support (controller/responder)

Static scenes (presets) stored in non-volatile memory

Ability to work as standalone splitter/merger

Minimum loading time, fastest recovery after short power failure

Master IP that never gets lost

UltraStart

DMX Bi-Direct

User-Friendly Web Interface

Power over Ethernet

2 IP adresses per Device

Supports RDM

Galvanically Isolated Ports

>be DMX

Wireless DMX / ArtNET / sACN

BeDMX is wireless technology by Sundrax specifically developed for wireless DMX/RDM or ArtNet I, II, III, IV/ sACN, DMX512, RDM, KiNet, RTTrPL transceivers RadioGates as well as LED drivers and DMX splitters. BeDMX works in international license free 2.4 GHz ISM band based on Bluetooth 5.0 protocol.

BeDMX technology provides bidirectional communication ensuring high resistance to interference with Adaptive Frequency Hopping (AFH) and long-range transmission up to 1500 m. AFH helps to avoid disturbance from any other wireless equipment by a hop rate of 1600 hops per second so you stay calm and sure that your installation works with no surprises.

Wireless Transceivers
and Hybrids
(DMX or DMX+Ethernet)

RadioGates are designed to transfer DMX/RDM or ArtNet I, II, III, IV/ sACN, DMX512, RDM, KiNet, RTTrPL data wirelessly in intellectual lighting control systems through Sundrax's BeDMX technology (2.4 GHz).

One of the most useful features of RadioGates is backup availability. Even if one transmitter goes down, a backup transmitter within seconds takes over the job, automatically establishing connection with his predecessor's group of receivers.

Another great feature implemented in RadioGates is memorizing of last saved connection settings. You don't have to configure them every time you turn them on. You create a network with RadioGates, this configuration is automatically saved and when you move to another event, just turn these devices on and they will connect to each other automatically.

Our wireless transceivers were designed for professional use by touring companies and are ready to work in severe weather conditions. We produce them in solid metal housing (IP44 for indoor installations, and IP65 for outdoor). They perfectly function in a wide temperature range between -40°C and+65°C.

RadioGate Solid
Wireless 2.4 GHz DMX transceiver

These RadioGate devices are designed to transfer DMX data wirelessly in intellectual lighting control systems through Sundrax's proprietary BeDMX technology. BeDMX is hi-end technology for transmission between devices in 2.4 GHz ISM band with bidirectional communication and Adaptive Frequency Hopping (AFH) which guarantees near 100% resistance to radio frequency interference by a hop rate of 1600 hops per second. The device is equipped with 1 or 2 coaxial RP-SMA RF connectors for antenna connection configurable to work on reception or transmission. Available as IP65 modification (RadioGate Arma) and with integrated Ethernet converter (RadioGate Plus Solid).

Solid series

Environmental

Operating Temperature	0…+60°C
Storage Temperature	-50…+70°C
Operating Relative Humidity (max)	95%
IP Rating	IP44
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	Solid case
Material	Metal
Dimensions, mm	115(D) x 55(H) x 90(W)
Weight	0.85 kg
Mounting	Surface, Truss
Connectors	2 XLR(M), 2 XLR(F)

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)

Control / Data Connections

Supported protocols	DMX512, RDM
DMX data refresh rate	44 Hz
Transmission range (standard antenna)	100m
Communication protocol	Bluetooth 5.0, BeDMX
RF band	2.4 GHz

Configuration / Indication

Setup	Buttons
Indication	LEDs for DMX activity

Inputs / Outputs

Wireless channels	1
DMX ports	2 isolated (depends on modification)
Connectors:	2 XLR(M), 2 XLR(F) (5 pins)

>be DMX

Designed for touring/rental companies
Simple configuration
1 button programming
DC or AC power source
Full galvanic isolation
Support DMX512, RDM
Bidirectional communication
Resistance to interference
Up to 1500m transmission range
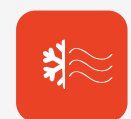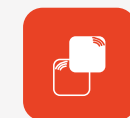Neutrik® XLR metal connectors
Lost data replacement

UltraStart	DMX Bi-Direct	Natural Heat Convection	Galvanically Isolated Ports
Supports RDM	Back-Up Transmitter	High Ingress Protection	

RadioGate Plus Solid
Wireless DMX/ArtNet/sACN 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. 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).

Solid series

Environmental

Operating Temperature	0...+60°C
Storage Temperature	-50...+80°C
Operating Relative Humidity (max)	95%
IP Rating	IP44
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	Solid case
Material	Metal
Dimensions, (sockets and buttons), mm	181(D) x 55(H) x 137(W)
Weight	1.2 kg
Mounting	Surface, Truss

Power & Electrical

Power supply	~90-250 VAC, 50/60 Hz or 12-24 VDC
Max current consumption	0.1 A

Control / Data Connections

Supported protocols	DMX512, RDM, ArtNet I, II, III, IV, sACN draft, release, KiNet v1, v2 RTTrPL sACN draft, release
DMX data refresh rate	44 Hz
Transmission range (standard antenna)	200m
Communication protocol	Bluetooth 5.0
RF band	2.4 GHz

Configuration / Indication

Setup	Web interface, buttons
Indication	LEDs for DMX, beDMX and Ethernet activity

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

>be DMX

- 2 or 4 isolated DMX ports
- AC or DC power supply
- Resistant to interefence 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

UltraStart · **High Ingress Protection** (IP44) · **Natural Heat Convection** · **Galvanically Isolated Ports**

2 IP adresses per Device (Double IP) · **Back-Up Transmitter** · **Power over Ethernet** (PoE 802.3af) · **DMX Bi-Direct**

Supports RDM (DMX RDM)

RadioGate Arma
Wireless 2.4 GHz DMX transceiver

RadioGate Arma provides non-stop bidirectional DMX communication between devices in 2.4 GHz ISM with RDM feedback. Maximum distance is up to 1500 metres with directional antennas. Adaptive Frequency Hopping (AFH) helps to avoid disturbance from any other wireless equipment. RadioGate is versatile transmitter+receiver, with one-button configuration. Packed into waterproof metal enclosure (IP65) specifically crafted for outdoor use, with galvanically isolated ports, RadioGate Arma is a smart choice when wired DMX transmission is hindered. Available also with Ethernet (RadioGate Plus Arma) or as IP44 modification for indoor application (RadioGate Solid)

ARMA series

Environmental

Operating Temperature	-40...+70°C
Storage Temperature	-50...+70°C
Operating Relative Humidity (max)	100%
IP Rating	IP65 for use in any weather conditions
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	Solid case
Material	Metal
Dimensions, mm	203.5(D) x 51(H) x 141.5(W)
Weight	1.0kg
Mounting	Surface, Truss

Power & Electrical

Input Voltage	~100-250 V, 50/60 Hz or DC 12-24V
Max current consumption	0.1 A

Control / Data Connections

Supported protocols	DMX512, RDM, ArtNet I, II, III, IV, sACN draft, release, KiNet v1, v2 RTTrPL sACN draft, release
DMX data refresh rate	44 Hz
Transmission range	200 m (regular antenna), 1500 m (directional antenna)
Communication protocol	beDMX
RF band	2.4 GHz

Configuration / Indication

Setup	Buttons
Indication	LEDs for Ethernet, DMX and beDMX activity

Inputs / Outputs

Wireless channels	1
DMX ports	1
DMX connectors	15EDGVC terminal blocks

>be DMX

- Maximum reliability of connection based on Bluetooth 5.0 protocol (beDMX)
- Maximum resistance to interference through Adaptive Frequency Hopping (AFH)
- One-button programming, simple configuration
- Full RDM support
- Diagnostics of DMX transmission quality
- LED indication of communication status on transmitter
- All devices are cross functional transmitter+receiver
- Full galvanic isolation of all ports
- Maximum surge protection – power supply optimized for voltage from 100 to 300 V
- DC 12-24V modification

UltraStart · **DMX Bi-Direct** · **Natural Heat Convection** · **Galvanically Isolated Ports**

Supports RDM (DMX RDM) · **Back-Up Transmitter** · **Highest Ingress Protection** (IP65)

RadioGate Plus Arma

Waterproof DMX wireless transceiver + DMX-Ethernet converter

RadioGate Plus Arma provides non-stop bidirectional DMX communication (up to 4 universes) between devices in 2.4 GHz ISM with RDM feedback and integrated bidirectional DMX/ArtNet/sACN converter. Maximum distance is up to 1500 metres with directional antennas. Adaptive Frequency Hopping (AFH) helps to avoid disturbance from any other wireless equipment. RadioGate is versatile transmitter+receiver, with one-button configuration. Packed into waterproof metal enclosure (IP65) specifically crafted for outdoor use, with galvanically isolated ports, RadioGate Plus Arma is a smart choice when wired DMX transmission is hindered. Available as DMX-only modification (RadioGate Arma) or IP44 modification for indoor application (RadioGate Plus Solid).

ARMA series

>be DMX

2 or 4 DMX universes depending on modification

Maximum reliability of connection based on Bluetooth 5.0 protocol (beDMX)

Maximum resistance to interference through Adaptive Frequency Hopping (AFH)

One-button programming, simple configuration

Ethernet port and integrated DMX/ArtNet/sACN converter

PoE support

Custom routing and merging of DMX streams, setup via web interface

Full RDM support

Diagnostics of DMX transmission quality

LED indication of communication status on transmitter

All devices are cross functional transmitter+receiver

Full galvanic isolation of all ports

Maximum surge protection – power supply optimized for voltage from 100 to 300 V

DC 12-24V modification

ULTRA START	DMX Bi-Direct	Natural Heat Convection	Galvanically Isolated Ports
UltraStart	DMX Bi-Direct	Natural Heat Convection	Galvanically Isolated Ports
DMX RDM	Back-Up	IP65	PoE 802.3af
Supports RDM	Back-Up Transmitter	Highest Ingress Protection	Power over Ethernet

Environmental

Operating Temperature	-40…+70°C
Storage Temperature	-50…+70°C
Operating Relative Humidity (max)	100%
IP Rating	IP65 for use in any weather conditions
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	Solid case
Material	Metal
Dimensions, mm	203.5(D) x 51(H) x 141.5(W)
Weight	1.0kg
Mounting	Surface, Truss

Power & Electrical

Input Voltage	~100-250 V, 50/60 Hz or DC 12-24V
Max current consumption	0.1 A

Control / Data Connections

Supported protocols	DMX512, RDM, ArtNet I, II, III, IV, sACN draft, release, KiNet v1, v2, RTTrPL sACN draft, release
DMX data refresh rate	44 Hz
Transmission range	200 m (regular antenna), 1500 m (directional antenna)
Communication protocol	beDMX
RF band	2.4 GHz

Configuration / Indication

Setup	Buttons
Indication	LEDs for Ethernet, DMX and beDMX activity

Inputs / Outputs

Wireless channels	2 (2 or 4 DMX universes)
DMX ports	2 or 4
Ethernet ports	1
DMX connectors	15 EDGVC terminal blocks

DMX Splitters

Series of multifunctional rack or truss mountable splitters for larger DMX networks boosting the signal to create a network of 5 or 10 additional DMX lines from DMX input. All input and output channels have full galvanic isolation. Remote Device Management (RDM) compatible. The devices are suitable for indoor or outdoor use. Power consumption is less than 5 watts.

Splitter Pro
Single or double input DMX512 splitter/repeater

Splitter Pro is a series of multifunctional rack mountable splitters with 1 or 3 DMX inputs and 8 or 10 DMX outputs that operates as a regular splitter with 1 input and 8 (or 10) outputs as well as two separated 1-to-4 splitters with fail-safe option, depending on modification. All input and output channels have full galvanic isolation. Remote Device Management (RDM) compatible. The device is suitable for indoor use and rack mountable. Splitters are powered by 100-250V industrial AC mains, power consumption is less than 5 watts.

Environmental

Operating Temperature	0…+60°C
Storage Temperature	-50…+70°C
Operating Relative Humidity (max)	95%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	Small depth rack mounted
Material	Metal
Dimensions, mm	482(D) x 44(H) x 110(W)
Weight	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

Control / Data Connections

Supported protocols	DMX512, RDM
DMX data refresh rate	44 Hz

Configuration / Indication

Indication	LEDs for DMX inputs

Inputs / Outputs

DMX input	1 or 3, each with DMX Thru
DMX outputs	5, 8, or 10
Connectors	XLR or EtherCON

No buttons
Ethercon or XLR (customer request)
100% input data reservation
Single or double input modes
Input back up function
DMX Thru port

UltraStart   DMX Bi-Direct   Natural Heat Convection   Galvanically Isolated Ports

Supports RDM

Splitter Wireless Pro
Multi-channel DMX512 splitter/repeater

Wireless Splitter Pro is a series of multifunctional rack mountable splitters for larger DMX networks boosting the signal to create a network of 5 or 10 additional DMX lines from BeDMX and DMX inputs. BeDMX is hi-end technology for transmission between devices in 2.4 GHz ISM band with bidirectional communication and Adaptive Frequency Hopping (AFH) which guarantees near 100% resistance to radio frequency interference by a hop rate of 1600 hops per second. All ports have full galvanic isolation. Remote Device Management (RDM) compatible. The device is suitable for indoor use and rack mountable. Splitters are powered by 100-250V industrial AC mains, power consumption is less than 5 watts.

Environmental

Operating Temperature	0…+60°C
Storage Temperature	-50…+70°C
Operating Relative Humidity (max)	95%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	Small depth rack mounted
Material	Metal
Dimensions, mm	482(D) x 44(H) x 110(W)
Weight	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

Control / Data Connections

Supported protocols	DMX512, RDM, BeDMX
DMX data refresh rate	44 Hz

Configuration / Indication

Indication	LEDs for DMX and BeDMX status

Inputs / Outputs

BeDMX inputs	1
DMX outputs	5 or 10
Connectors	XLR or EtherCON

Designed for touring/ rental companies
No buttons
Ethercon or XLR (customer request)
100% input data reservation
Input back up function
Bidirectional communication
Resistance to interference
Up to 1500m transmission range

UltraStart   DMX Bi-Direct   Natural Heat Convection   Galvanically Isolated Ports

Supports RDM

Splitter Duo Solid
Splitter with single/double input modes

Splitter Duo Solid is special device with 2 DMX inputs and 4 DMX outputs that operates as a regular splitter with 1 input and 5 outputs as well as two separated 1-to-2 splitters. All input and output channels have full galvanic isolation. Remote Device Management (RDM) compatible.

The device is suitable for indoor use. Splitters are powered by 100-250 V industrial AC mains, power consumption is less than 5 watts.

Solid series

Environmental

Operating Temperature	0…+60°C
Storage Temperature	-50…+70°C
Operating Relative Humidity (max)	95%
IP Rating	IP44
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	Solid case
Material	Metal
Dimensions, mm	171(D) x 55(H) x 121(W)
Weight	1.2 kg
Mounting	Surface, Truss

Power & Electrical

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

Control / Data Connections

Supported protocols	DMX512, RDM
DMX data refresh rate	44 Hz

Configuration / Indication

Indication	LEDs for DMX inputs activity

Inputs / Outputs

DMX inputs	1 or 2
DMX outputs	5 or 4
Connectors	XLR

Supports bidirectional communication (DMX512 and RDM)
Surface/truss mount
100% input data reservation
Input back up function
Single or double input modes

UltraStart · **DMX Bi-Direct** · **Natural Heat Convection** · **Galvanically Isolated Ports**

Supports RDM · **IP44 High Ingress Protection**
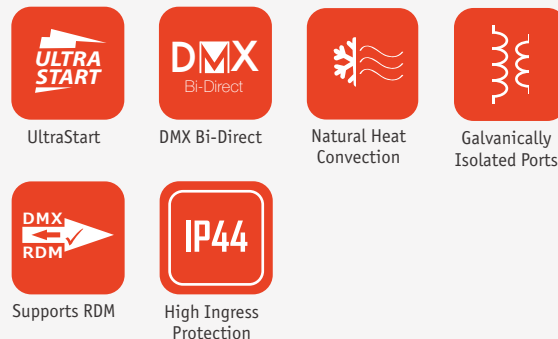
Splitter Duo Arma
Double input DMX-512 splitter/repeater with five outputs

Splitter Duo Arma is double input device with 6 DMX input/output ports that operates as a regular splitter with 1 input and 5 outputs as well as two separated 1-to-2 splitters.

All input and output channels are mutually galvanically isolated. The device is suitable for outdoor use and has the highest levels of dust and moisture protection. The device is powered by 100-250V industrial AC mains, power consumption is less than 5 watts. Input, output DMX cables and power cable are connected to the device body via cable glands.

ARMA series

Environmental

Operating Temperature	-40…+70°C
Storage Temperature	-50…+80°C
Operating Relative Humidity (max)	100%
IP Rating	IP65
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	Solid case
Material	Metal
Dimensions, mm	115(D) x 55(H) x 90(W)
Weight	0.85 kg
Mounting	Surface, Truss

Power & Electrical

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

Control / Data Connections

Supported protocols	DMX512, RDM
DMX data refresh rate	44 Hz

Configuration / Indication

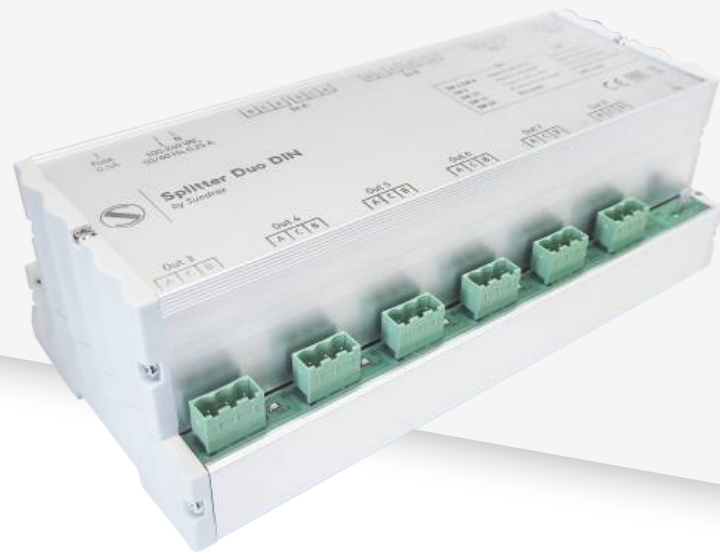|	
Setup	by DIP switchers
Indication	LED for DMX input

Inputs / Outputs

DMX input ports	1 or 2 isolated
DMX output ports	4 or 5 isolated
DMX connectors	15EDGVC terminal blocks

100% input data reservation
Single or double input modes
Input back up function
Die-cast, waterproof metal casing (IP65)
No buttons
Time-tested in severe weather conditions
Surface/truss mount
Metal or plastic cable glands

UltraStart · **DMX Bi-Direct** · **Natural Heat Convection** · **Galvanically Isolated Ports**

Supports RDM · **IP65 Highest Ingress Protection**

Splitter Duo DIN
DIN rail mounted double input DMX splitter

Splitter Duo DIN is special DIN rail mount device with 10 DMX input/output ports that operates as a regular splitter with 1 input and 9 outputs as well as two separated 1-to-4 splitters. All input and output channels have full galvanic isolation. Remote Device Management (RDM) compatible. The device is suitable for indoor use. Splitter is powered by 100-250 V industrial AC mains, power consumption is less than 5 watts.

Environmental

Operating Temperature	-40...+70°C
Storage Temperature	-50...+80°C
Operating Relative Humidity (max)	95%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	DIN mounted case (12 modules)
Material	Metal, Plastic
Dimensions, mm	210 (D) x 105 (H) x 75 (W)
Weight	0.85 kg
Mounting	DIN rail

Power & Electrical

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

Control / Data Connections

Supported protocols	DMX512, RDM
DMX data refresh rate	44 Hz

Configuration / Indication

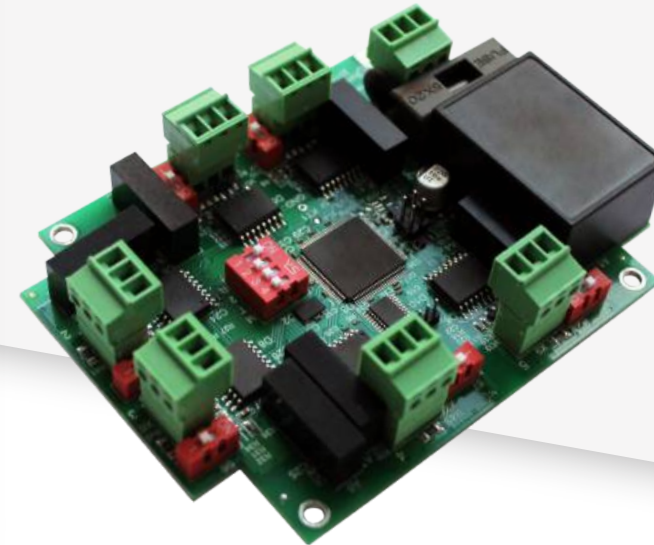|	
Indication	LED for DMX inputs activity

Inputs / Outputs

DMX input ports	1 or 2
DMX output ports	9 or 8
DMX connectors	Terminal blocks 15 EDGVC

100% input data reservation

Input back up function

Supports bidirectional communication (DMX512 and RDM)

Single or double input modes

Full galvanic isolation on all ports

UltraStart DMX Bi-Direct Natural Heat Convection Galvanically Isolated Ports

Supports RDM Permanent Laser Engraving
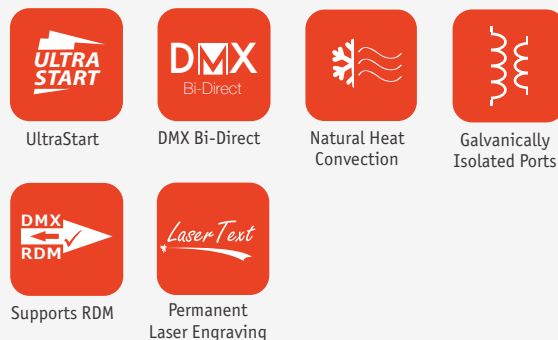
Splitter Duo Board
Multi-channel DMX splitter/repeater

Splitter Duo Board is a double-input OEM DMX splitter with 6 DMX input/output ports that operates as a regular splitter with 1 input and 5 outputs as well as two separated 1-to-2 splitters. All input and output channels are galvanically isolated from each other. The device is powered by 100-250V industrial AC mains, power consumption is less than 5 watts. Input, output DMX cables, and power cables are connected by terminal blocks.

Environmental

Operating Temperature	-40...+60°C
Storage Temperature	-50...+70°C
Operating Relative Humidity (max)	95%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	OEM board
Dimensions, mm	103(D) x 19(H) x 79(W)
Weight	0.15 kg
Mounting	Stage equipment, lighting fixtures, etc.

Power & Electrical

Power supply	~100-250 VAC, 50/60 Hz
Input power (max)	5 W

Control / Data Connections

Supported protocols	DMX512, RDM
Data refresh rate	44 Hz

Configuration / Indication

Setup	DIP switchers
Indication	LEDs for DMX input

Inputs / Outputs

DMX input ports	1 or 2 isolated
DMX output ports	4 or 5 isolated
DMX connectors	15EDGVC terminal blocks

100% input data reservation

Input back up function

Single or double input modes

Supports bidirectional communication (DMX512 and RDM)

No buttons

OEM board ready for integration into fixtures, furniture, custom cases etc

UltraStart Supports RDM Natural Heat Convection Galvanically Isolated Ports

PowerGate Arma

DMX512 transceiver via 220/110V

DMX transceivers employing existing powerlines (110V/220V) to transmit DMX signal using PWRDMX technology introduced by Sundrax in 2007. Perfect solution if new cabling or wireless transmission is hindered or impossible e.g. conversion to DMX lighting for historic facades, architectural monuments, landmarks, in-ground lighting.

Powergates support ArtNet and sACN input through single Ethernet LAN 10/100Base-T link and have up to 4 DMX outputs. DMX ports are configurable through web-based management page. All PowerGates may be configured as transmitters or receivers. Tough and compact waterproof metal enclosure (IP65) specifically crafted for outdoor use.

DMX via Powerline

Series of transceivers exploiting existing powerlines (110V/220V) to transmit DMX signal using PWRDMX technology that was developed by Sundrax. Unique PowerGate devices are mostly used in architectural lighting, however, sometimes it is viable to use them in touring/rental industry, and even for indoor lighting controls. PWRDMX and PowerGate device unveil hidden potential of existing wiring network, eliminating the need of new cabling.

100% reliable, low-noise and highspeed bi-directional DMX communication between PowerGate devices and lighting fixtures provide unlimited network topology.

Environmental

Operating Temperature	-40…+70°C
Storage Temperature	-50…+70°C
Operating Relative Humidity (max)	95%
IP Rating	IP65
Certification	CE, RoHS
Warranty	36 Month

Mechanical

Housing	Solid case
Material	Metal
Dimensions, mm	171(D) x 55(H) x 121(W)
Weight	0.85 kg
Mounting	Surface, Truss

Power & Electrical

Power supply	~90-270 VAC, 50/60 Hz, PoE
Input Power (max)	5 W
Mains Fuse	0.1 A

Control / Data Connections

Supported protocols	ArtNet I,II,III,4; sACN; DMX512; RDM; PWRDMX
DMX data refresh rate	44 Hz

Configuration / Indication

Setup	Web-interface
Indication	LEDs for DMX activity

Inputs / Outputs

DMX ports	1 or 4 isolated
DMX connectors	15EDGVC terminal blocks
Ethernet port	1 (10/100 Base-TX)
Ethernet connector	LSA-PLUS® connector

PWR DMX

PoE support

Ethernet port for web configuration and ArtNet/sACN data transmission

Minimum loading time, fastest recovery after short power failure

Full protection from dust and smoke increases product lifetime

Simple user-friendly web interface

Maximum surge protection (100-315 V)

DMX512 via 220/110V transceiver

Die-cast metal casing (IP65)

No buttons

Full galvanic isolation

UltraStart	DMX Bi-Direct	Natural Heat Convection	Galvanically Isolated Ports
Supports RDM	Highest Ingress Protection	Power over Ethernet	

PowerGate Solid

DMX512 transceiver via 220/110V

DMX transceivers employing existing powerlines (110V/220V) to transmit DMX signal using PWRDMX technology introduced by Sundrax in 2007. Perfect solution if new cabling or wireless transmission is hindered or impossible e.g. conversion to DMX lighting for historic facades, architectural monuments, landmarks, in-ground lighting.

Powergates support ArtNet and sACN input through single Ethernet LAN 10/100Base-T link and have up to 4 DMX outputs. DMX ports are configurable through web-based management page. All PowerGates may be configured as transmitters or receivers. This product is for indoor use (IP44).

Solid series

Environmental

Operating Temperature	0…+60°C
Storage Temperature	-50…+70°C
Operating Relative Humidity (max)	95%
IP Rating	IP44
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	Solid case
Material	Metal
Dimensions, mm	171(D) x 55(H) x 121(W)
Weight	1.2 kg
Mounting	Surface, Truss

Power & Electrical

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

Control / Data Connections

Supported protocols	DMX512, RDM
DMX data refresh rate	44 Hz

Configuration / Indication

Setup	Web-interface
Indication	LEDs for DMX activity

Inputs / Outputs

DMX ports	2 or 4 isolated
DMX connectors	XLR(M), XLR(F) (5 pins, 3 pins)
Ethernet port	1 (10/100 Base-TX)
Ethernet connector	RJ-45

PoE support

Ethernet port for web configuration and ArtNet/sACN data transmission

Minimum loading time, fastest recovery after short power failure

Full protection from dust and smoke increases product lifetime

Simple user-friendly web interface

Maximum surge protection (100-315 V)

DMX512 via 220/110V transceiver

Metal casing (IP44)

No buttons

Full galvanic isolation

UltraStart DMX Bi-Direct Natural Heat Convection Galvanically Isolated Ports
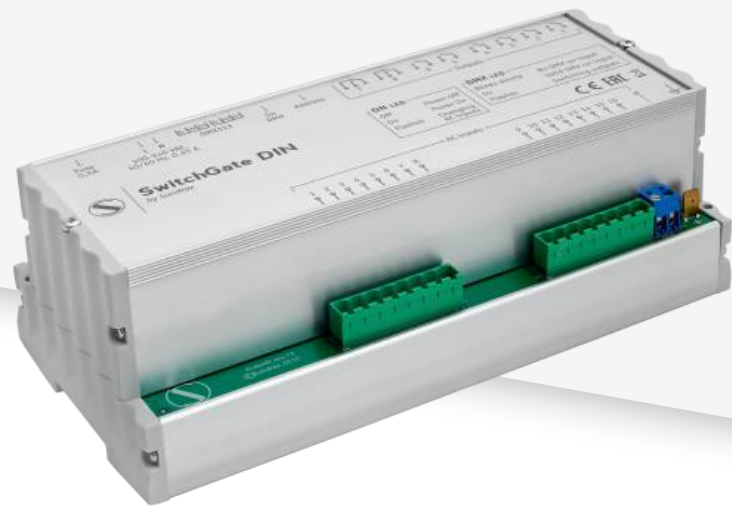
Supports RDM High Ingress Protection Power over Ethernet

DMX
Relay Switches

DMX Relay Switches with enhanced functionality. Able to switch 8 power circuits on and off by DMX commands, device provides a diagnostic feedback from up to 16 AC inputs via standard RDM communication.

SwitchGate DIN

DMX switcher

SwitchGate DIN is DMX switcher with enhanced functionality. Able to switch 8 power circuits on and off by DMX commands, device provides a diagnostic feedback from up to 16 AC inputs via standard RDM communication. Mounted on standard DIN-rail, SwitchGate operates in power networks without any intermediate components.

DIN series

Environmental

Operating Temperature	-40…+70°C
Storage Temperature	-50…+80°C
Operating Relative Humidity (max)	95%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	DIN mounted case (12 modules)
Material	Metal, Plastic
Dimensions, mm	210(D) x 105(H) x 75(W)
Weight	0.6 kg
Mounting	Power cabinet

Power & Electrical

Power supply	~90-270 VAC, 50/60 Hz
Max voltage and current on outputs	250 V, 5 A
	250 V
Max voltage at inputs	5 W
Input Power (max)	0.5 A
Mains Fuse	

Control / Data Connections

Control interface	DMX 512
Supported protocols	DMX 512, RDM
DMX data refresh rate	44 Hz

Configuration / Indication

Setup	DIP switchers, RDM
Indication	LEDs for DMX activity

Inputs / Outputs

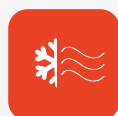|	
DMX connectors	Terminal blocks 15 EDGVC
Relay outputs	8 (6 on/off, 2 changeover)
Voltage control inputs	16

Full galvanic isolation

DMX interface

16 independent inputs

8 independent relay outputs

Built-in power supply

ULTRA START
UltraStart

Laser Text
Permanent Laser Engraving

Natural Heat Convection

Galvanically Isolated Ports

DMX RDM
Supports RDM

LED Drivers

LED drivers with DMX512/RS-485 input. Separate compact devices LEDGate Compact with wireless or cable DMX input, and DIN rail mount LEDGate DIN. Powered from 12/24 VDC source, LED drivers are capable to control and dim up to 8 output lines for direct connection to LED equipment: duralight, driverless LED luminaires, etc, with independent short-circuit protection on each channel. Thanks to innovative embedded algorithms, LEDGates provide smooth, stepless regulation in full range of intensity.

LEDGate DIN
Compact LED driver

LEDGate DIN is compact LED driver with DMX512/RS-485 input. Powered from 12/24 VDC source, LEDGate is capable to control and dim 4 or 8 output lines for direct connection with LED equipment: duralight, driverless LED luminaires, etc, with independent short-circuit protection on each channel. Thanks to innovative embedded algorithms, LEDGate provides a smooth, stepless regulation in full range of intensity. With no flickering.

DIN series

Environmental

Operating Temperature	-40…+70°C
Storage Temperature	-50…+80°C
Operating Relative Humidity (max)	95%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	DIN mounted case (8 modules)
Material	Metal, Plastic
Dimensions, mm	142(D) x 105(H) x 75(W)
Weight	0.45 kg
Mounting	Power cabinet

Power & Electrical

Power supply	12/24 VDC
Max current per channel	10 A
Total current on outputs	40 A
Input power (max)	1 kW
Mains Fuse	0.5 A

Control / Data Connections

Supported protocols	DMX512, RDM
Data refresh rate	44 Hz

Configuration / Indication

Setup	DIP switchers
Indication	LEDs for DMX activity

Inputs / Outputs

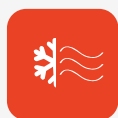|	
LED outputs	8
DMX512 interfaces	1
Additional port	RS-485
DMX connectors	Terminal blocks 15EDGVC

Smooth light regulation

Independent short-circuit protection on each channel

Direct connection with LED equipment

ULTRA START UltraStart

Laser Text Permanent Laser Engraving

Natural Heat Convection

Galvanically Isolated Ports

DMX RDM Supports RDM

LEDGate Compact & Wireless LEDGate Compact
Compact LED driver

LEDGate Compact is compact LED driver with DMX512 (DMX512/RS-485 for wireless) inputs. Powered from 12/24 VDC source, LEDGate is capable to control and dim 2 or 4 output lines for direct connection with LED equipment: duralight, driverless LED luminaires, etc, with independent short-circuit protection on each channel.
Wireless LEDGate Compact is equipped with 2 coaxial RP-SMA RF connector for antenna connection configurable to work on reception. Thanks to innovative embedded algorithms, LEDGate provides a smooth, stepless regulation in full range of intensity.

Compact series

Environmental

Operating Temperature	-40…+70°C
Storage Temperature	-50…+80°C
Operating Relative Humidity (max)	95%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	Surface mounted case
Material	Metal, Plastic
Dimensions, mm	86(D) x 38(H) x 54(W)
	110(D) x 38(H) x 54(W) Wireless
Weight	0.18 kg
	0.2 kg Wireless

Power & Electrical

Power supply	12/24 VDC
Max current per output	20 A
Input power (max)	500 W

Control / Data Connections

Control interface	DMX512, BeDMX
Transmission range (standart antenna)	100 m
DMX data refresh rate	44 Hz
Supported protocols	DMX512, BeDMX
Communication protocol	Bluetooth 5.0
RF banda	2.4 GHz

Configuration / Indication

Setup	Rotary switchers
Indication	LEDs for DMX activity

Inputs / Outputs

LED outputs	2 or 4
DMX512 interfaces	1
Connectors	Screw terminals
Wireless interface	1
Slave interface	1

Smooth light regulation

Independent short-circuit protection on each channel

Direct connection with LED equipment

ULTRA START UltraStart
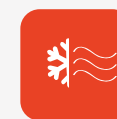
Natural Heat Convection

Galvanically Isolated Ports

Pixel Strip
Drivers

Series of LED pixel strip controllers to map live effects, still images, and even videos on LED walls. Each pixel in an LED strip is individually controlled as a part of large matrix. 2 Ethernet ports and integrated splitter make it easy to chain devices and synchronize content live. You can use any live inputs to generate and trigger your effects in real time both for indoor and outdoor installations as the devices are IP65 class and wateproof.

PixelGate Arma
Compact LED pixel strip driver

ArtNet/sACN to SPI controllers for pixel mapped indoor and outdoor LED strip installations. Two Ethernet ports and integrated switch provide cascadability. Directly convert up to 16 DMX universes into SPI to control 2,730 RGB pixels supporting 8 separate LED outputs.

Power supplied to LEDs separately, from 5V to 48V. Outputs are configurable through web-based management page. Tough and compact waterproof enclosure (IP65) specifically crafted for outdoor use.

ARMA *series*

Environmental

Operating Temperature	-40…+70°C
Storage Temperature	-50…+80°C
Operating Relative Humidity (max)	100%
IP Rating	IP65 for outdoor use
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	Solid case
Material	Metal
Dimensions, mm	115(D) x 55(H) x 90(W)
Weight	0.75 kg
Mounting	Surface, Truss

Power & Electrical

Power supply	5/12/24/48 VDC

Control / Data Connections

Control interface	ArtNet, ACN
Channels	8 SPI

Configuration / Indication

Setup	WEB Interface
Indication	LED for Ethernet activity

Inputs / Outputs

Control outputs	8, TTL 3/5V
Ethernet ports	2 10/100 Base-TX
Ethernet connectors	2 LSA-PLUS® connectors

Cascadable through integrated switch and 2 Ethernet ports

Die-cast, waterproof metal casing (IP65)

Support ArtNet and sACN

LEDs with power supply up to 48V

Support various LED types

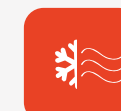Full protection from dust and smoke increases product lifetime

Power source 5/12/24/48 VDC

UltraStart	User-Friendly Web Interface	Natural Heat Convection	Highest Ingress Protection

LED strips support:
WS2811, WS2812B, WS2818, TM1809, UCS1903, UCS1903B, UCS1909, UCS1909B, UCS1912, UCS1912B, UCS2903, UCS2903S, UCS2909, UCS2912, INK1002, INK1003, LX1003 WS2801, WS2803, DM413, APA102, LPD8803, LPD8806
…more on request

Software Compatibility:
Elios
Madrix
LightJams
LightingPad
Jinx!
Luminair
+ any control software that supports ArtNet

PixelGate DIN
Compact LED pixel strip driver

ArtNet/sACN to SPI controllers for pixel mapped indoor and outdoor LED strip installations. Two Ethernet ports and integrated switch provide cascadability. Directly convert up to 16 DMX universes into SPI to control 2,730 RGB pixels supporting 8 separate LED outputs.

Power supplied to LEDs separately, from 5V to 48V. Outputs are configurable through web-based management page. DIN rail mounted (4 modules) IP20 unit.

ARMA *series*

Environmental

Operating Temperature	-40…+70°C
Storage Temperature	-50…+80°C
Operating Relative Humidity (max)	100%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	DIN mounted case (4 modules)
Material	Metal, plastic
Dimensions, mm	103(D) x 19(H) x 79(W)
Weight	0.35 kg
Mounting	DIN rail

Power & Electrical

Power supply	5/12/24/48 VDC

Control / Data Connections

Control interface	ArtNet, ACN
Channels	8 SPI

Configuration / Indication

Setup	WEB Interface
Indication	LED for Ethernet activity

Inputs / Outputs

Control outputs	8, TTL 3/5V
Ethernet ports	2 10/100 Base-TX
Ethernet connectors	RJ-45

Cascadable through integrated switch and 2 Ethernet ports

DIN rail mounted (4 modules) IP20 unit

Support ArtNet and sACN

LEDs with power supply up to 48V

Support various LED types

Power source 5/12/24/48 VDC

UltraStart **User-Friendly Web Interface** **Natural Heat Convection**

LED strips support:
WS2811, WS2812B, WS2818, TM1809, UCS1903, UCS1903B, UCS1909, UCS1909B, UCS1912, UCS1912B, UCS2903, UCS2903S, UCS2909, UCS2912, INK1002, INK1003, LX1003 WS2801, WS2803, DM413, APA102, LPD8803, LPD8806
…more on request

Software Compatibility:
Elios

Madrix

LightJams

LightingPad

Jinx!

Luminair

+ any control software that supports ArtNet

DMX to DALI
DMX to 1-10V

DimGate DIN
Hybrid DIN-rail dimmer

DimGate DIN is hybrid DIN-rail dimmer that converts DMX512 signal into 4 independent 110-230 VAC outputs up to 1.2 kW each to handle dimming of incandescent lamps. Additional 4 separate 1-10V (or 0-10V) outputs are supplied to integrate devices with 1-10V dimming drivers and electronic ballasts into DMX controlled surroundings.

With DIN rail mounting hassle-free installation and DMX input, DimGate DIN is ideal as indoor solution for mixed lighting control purposes in theatres, small venues, architectural installations, industrial, warehouse, and agricultural lighting.

Environmental

Operating Temperature	-40…+70°C
Storage Temperature	-50…+80°C
Operating Relative Humidity (max)	95%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	DIN mounted case (12 modules)
Material	Metal, Plastic
Dimensions, mm	210(D) x 105(H) x 75(W)
Weight	0.85 kg
Mounting	DIN rail

Power & Electrical

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

Control / Data Connections

Control interface	DMX512, RDM
Supported protocols	DMX 512, RDM
DMX data refresh rate	44 Hz

Configuration / Indication

Setup	DIP switchers, RDM
Indication	DMX status LED

Inputs / Outputs

DMX connectors	Terminal blocks
Relay outputs	4 AC and 4 analogue 1-10V
Number of DMX addresses	8

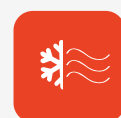Two-in-one dimming methods

DIN rail mounting

Independent phase inputs for dimmable channels 230V

Active analog outputs

1-10V/0-10V, with up to 100 drivers/ballasts connection capability

UltraStart | Natural Heat Convection | Galvanically Isolated Ports | Supports RDM

Permanent Laser Engraving

DIN series

DALIGate DIN
DMX to DALI converter

DALIGate DIN is DIN rail mounted converter that converts ArtNET/sACN/DMX signal into DALI protocol to include DALI lighting fixtures into controllable lighting network.

With DIN rail mounting hassle-free installation and ArtNET/sACN/DMX input, DALIGate DIN is ideal as indoor solution for mixed lighting control purposes in theatres, small venues, architectural installations, industrial, warehouse, and agricultural lighting.

Environmental

Operating Temperature	-40…+70°C
Storage Temperature	-50…+80°C
Operating Relative Humidity (max)	95%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	DIN mounted case (8 modules)
Material	Metal, Plastic
Dimensions, mm	142(D) x 105(H) x 75(W)
Weight	0.45 kg
Mounting	Power cabinet

Power & Electrical

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

Control / Data Connections

Supported protocols	DALI, DMX512, RDM, ArtNet I, II, III, IV/ sACN
DMX data refresh rate	44 Hz

Inputs / Outputs

DMX ports	1 isolated
DMX connectors	Terminal blocks 15 EDGVC
Controllable output lines	4
Ethernet port	10/100 Base-TX

Work with DMX, ArtNet and sACN

Converting options are channel-to-channel, channel-to-device, and channel-to-group

Custom grouping of lights

Automatically detect DALI lights in network through web interface with no extra software

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

Full galvanic isolation of all ports

Alarm triggered pre-programmed scenarios

Test button support (fixtures test, device reset to default)

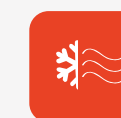Fixture search mode without readdressing

UltraStart | DMX Bi-Direct | User-Friendly Web Interface | Supports RDM

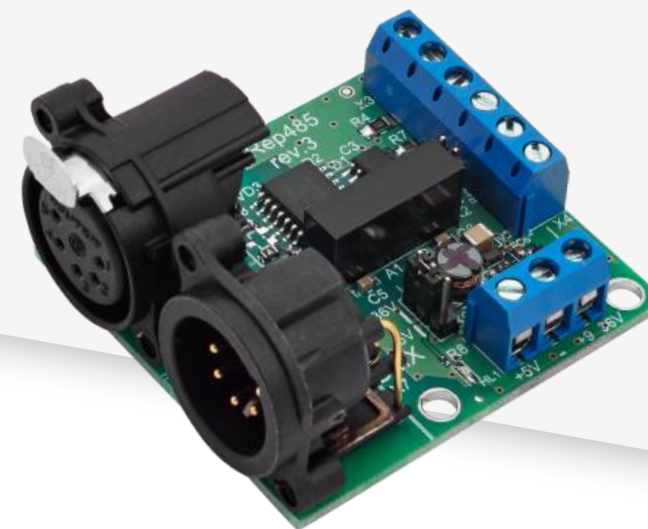Natural Heat Convection | Galvanically Isolated Ports | Permanent Laser Engraving

DIN series

Repeaters

IsoGate Board
Optical isolation + DMX repeater OEM board

OEM board for integration into third-party fixtures and installations. IsoGate Board is capable to amplify DMX512 signal or other signals based on RS-485 physic.

Environmental

Operating Temperature	-20...+60°C
Storage Temperature	-50...+70°C
Operating Relative Humidity (max)	95%
IP Rating	IP20
Certification	CE, RoHS
Warranty	36 Month (Return to base)

Mechanical

Housing	OEM
Dimensions, mm	58(D) x 27(H) x 50(W)
Weight	0.05 kg
Mounting	Inside stage equipment or lighting fixtures

Power & Electrical

Power supply	5VDC or 9-36VDC
Input power (max)	1W

Control / Data Connections

Supported protocols	DMX512
Data refresh rate	44 Hz

Configuration / Indication

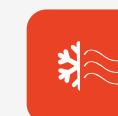|	
Setup	2 jumpers
Indication	LED for power

Inputs / Outputs

DMX ports	2x XLR
DMX connectors	XLR and terminals

Galvanic isolation

Powered from 5VDC or 9-36VDC

Customisable direction

Terminal connectors and XLRs

ULTRA START
UltraStart

Natural Heat Convection

series

Compact series

Unique Compact Series converters are the smallest on the market yet they provide a fair bit of premium bidirectional ArtNet/sACN to DMX and DMX to LED converting options. Compact series include ArtGates Compact that are installed into standard socket wall or floor plates, or into fixtures as OEM boards. LEDGates Compact are tiny DMX to LED drivers with wireless option available in OEM version as well.

All DMX ports are bidirectional i.e. may be configured as inputs or outputs. All ports are galvanically isolated. UltraStart Technology guarantees ready device in less than 3 seconds after power supply. RDM support. Some devices feature PoE power supply (802.15f).

ARMA series

Arma series are carefully crafted "offtrack" devices excellent for any outdoor installations under any weather conditions: from Arctic winters to Sahara's hottest dusty summers, successfully tested for tropicalization to work in the most humid areas. Extensive installations are easily handled by our trademark devices with 2 Ethernet ports which obviate the need of using Ethernet switches.

Natural heat convection and moulded 3mm space effective thick metal case with sealed connectors provide highest ingress protection (IP65). All DMX ports are bidirectional i.e. may be configured as inputs or outputs. All ports are galvanically isolated. UltraStart Technology guarantees ready device in less than 3 seconds after power supply. RDM support. Some devices feature PoE power supply (802.15f).Different wall and clamp mounting options.

pro series

Pro Series is special portfolio of 19" rackmounted (or clampmounted) professional DMX transceivers, DMX to ArtNet/sACN converters with fiber optic ports available pro switches,hybrids and splitters in smalldepth lightweight metal housing. From 2 to 8 ports per each device (up to 16 ports in 2unit Pro Deluxe series). Natural heat convection. All DMX ports are bidirectional i.e. may be configured as inputs or outputs. All ports are galvanically isolated.

UltraStart Technology guarantees ready device in less than 3 seconds after power supply. RDM support. Some devices feature PoE power supply (802.15f).

Board series

Performance optimised OEM boards ready for integration into your installations and equipment. Same functionality and advantages as classic Sundrax products, cheaper prices and bulk ordering available.

DIN series

Lightweight and compact DIN Series are the best choice for fixed cabinetbased installations with DIN rail mounting available. All the advantages of standard converters, designed in DIN cases. Spacesaving enclosures with resistant LaserText engraving. Natural heat convection. All DMX ports are bidirectional i.e. may be configured as inputs or outputs. All ports are galvanically isolated.

UltraStart Technology guarantees ready device in less than 3 seconds after power supply. 15EDGV Terminal Blocks provide ultrafast dismount opportunities (UltraLock).

Solid series

Solid series has been specifically designed for adverse environments, hardly accessible and excessively dusty indoor locations. Solid Series converters have proved their excellent resistance to mechanical impact and any kind of stage smoke. These series include wireless DMX or ArtNet/sACN/RDM transceivers/receivers, bidirectional DMX to ArtNet/sACN converters, as well as hybrid CrossGates (wireless DMX/ArtNet/sACN transmitter/receivers).

Natural heat convection and moulded 3mm space effective thick metal case with reinforced connectors provide high ingress protection (IP44). All ports are bidirectional i.e. may be configured as inputs or outputs. All DMX ports are galvanically isolated.

UltraStart Technology guarantees ready device in less than 3 seconds after power supply. Different wall and clamp mounting options. Some devices feature PoE power supply (802.15f).

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