



## MasterPort 2 PSU

### Universal network node with 4x 24 V / 10 A Power DMX

The LSS MasterPort 2 PSU is a network node and RDM proxy for lighting networks. The device converts Ethernet protocols into DMX512-A. The data can be merged from up to four different sources and output in up to four DMX universes. The LSS MasterPort 2 PSU also supports Zero Configuration Networking with broadcast domains and VLAN as well as the multicast DNS protocols mDNS and DNS-SD.

The DMX data can be output from the LSS MasterPort 2 PSU as a pure data signal and/or power supply with a data signal. In addition to the control data, this Power DMX signal offers a 24 VDC / 10 A power supply for lighting technology. Each Power DMX connection has adjustable current monitoring with a warning and a switch-off threshold. As an order option, all DMX and Power DMX connections can also be made on the rear.

The LSS MasterPort 2 PSU is available for various purposes and locations as a built-in device or mobile device. Depending on the device, the power supply can take place via normal mains voltage for the entire device or via a separate power supply for the CPU and Power DMX connections. With a separate supply, the CPU and the pure DMX connections can be operated with PoE. The power supply for the Power DMX connections can then be implemented via a central power supply or switched-mode power supply units.

## **General technical data**

### **Connectors Frontside**

DMX:	4x 5pin XLR, electrically isolated
Power DMX	4x 4pin XLR, electrically isolated, current carrying capacity 10 A

### **Connectors Backside**

DMX:	4x 3pin connectors 3,81 mm
Power DMX	4x 4pin connectors 3,5 mm, current-carrying capacity 10 A
Power supply CPU	1x 3pin connectors 5,08 mm
Power supply PSU	2x 3pin connectors 5,00 mm, current-carrying capacity 20 A
Ethernet	1x RJ45, PoE acc. to IEEE 802.3af

Rear DMX and Power DMX connections cannot be fitted later! Only available for built-in devices!

### **Cable cross-sections of the connections on the rear**

	Solid in mm <sup>2</sup>	Flexible in mm <sup>2</sup>	Electric wire ferrule in mm <sup>2</sup>	
			Insulated	Uninsulated
DMX	0,14...1,5	0,14...1,5	0,25...1,5	0,25...0,5
Power DMX	0,08...1,3	0,08...1,3	Up to 1,5	-
Power supply CPU	0,14...2,5	0,14...2,5	0,25...2,5	0,25...1,5
Power supply PSU	0,21...3,31	0,21...3,3	Up to 2,5	-

### **IP Code / Appliance classes**

Built-in devices	IP00 / Class III
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### **Ambient temperature and humidity**

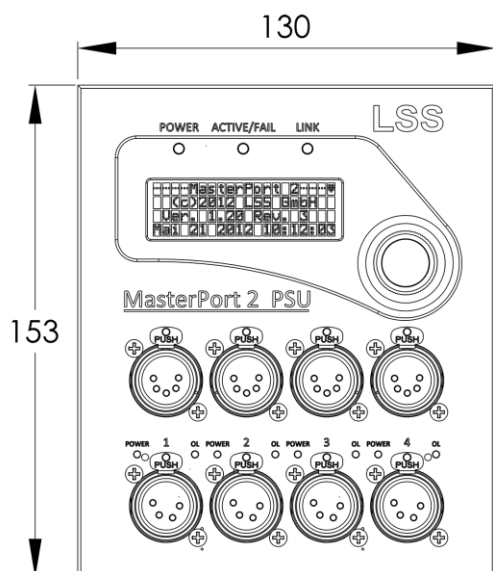
Temperature:	0 °C - +40 °C (operation and storage)
Humidity	20 – 90%, not condensed
RoHS	Approval

### **Material**

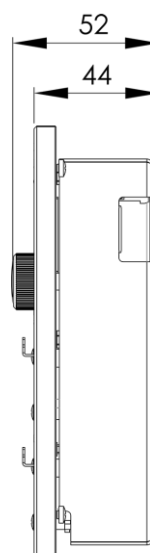
Front panel	Aluminum, blue anodized
Protective cage	1 mm sheet steel, bare

## **MasterPort 2 PSU built-in device**

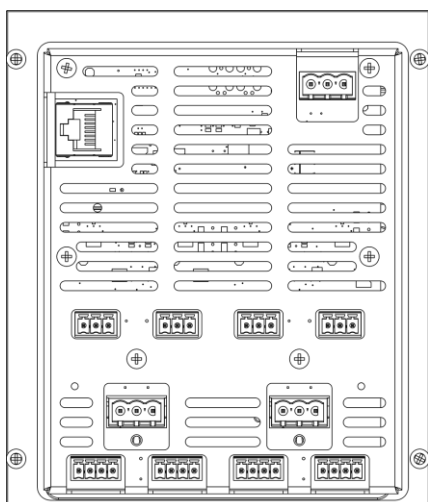
LSS MasterPort 2 PSU for installation in junction boxes, data cabinets, LSS distribution box, MF 180 x 120 and VK 155 duct profiles or other housings. The device is available with DMX and Power DMX connections on the rear.



Front



Side



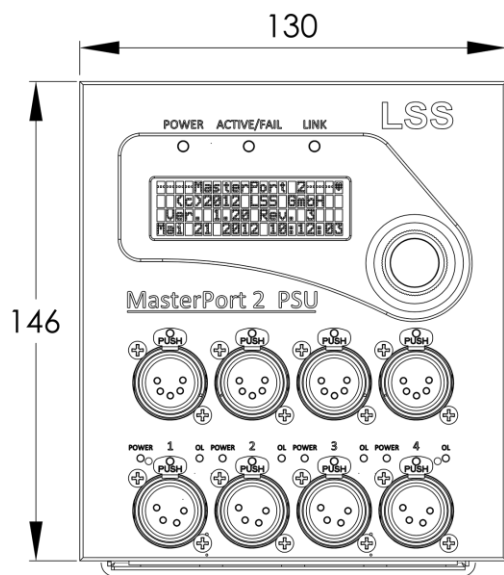
Back with optional connectors

### **Technical Specifications**

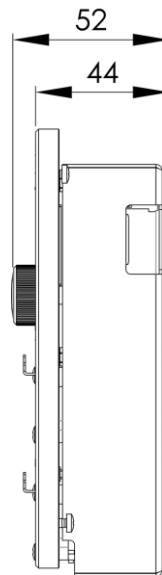
Dimensions (W x H x D)	130 x 153 x 68 mm with Encoder
	130 x 153 x 44,5 mm without Encoder (all dimensions without connectors)
Weight	650 g
Order number	5063 without rear DMX- and Power DMX-connectors
	5263 with rear DMX- and Power DMX-connectors

## **MasterPort 2 PSU build-in device for LSS Duct 250 x 140**

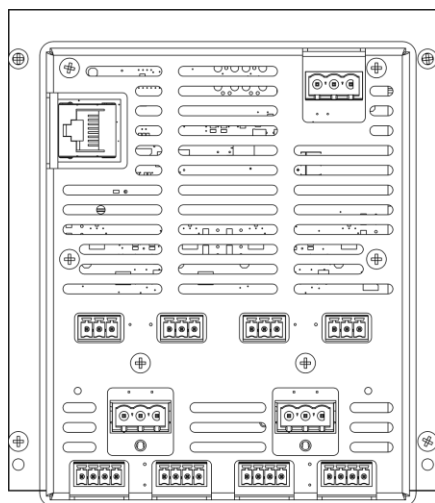
LSS MasterPort 2 PSU with shortened front panel for installation in the LSS Duct 250 x 140.  
The device is available with DMX and Power DMX connections on the rear.



Front



Side



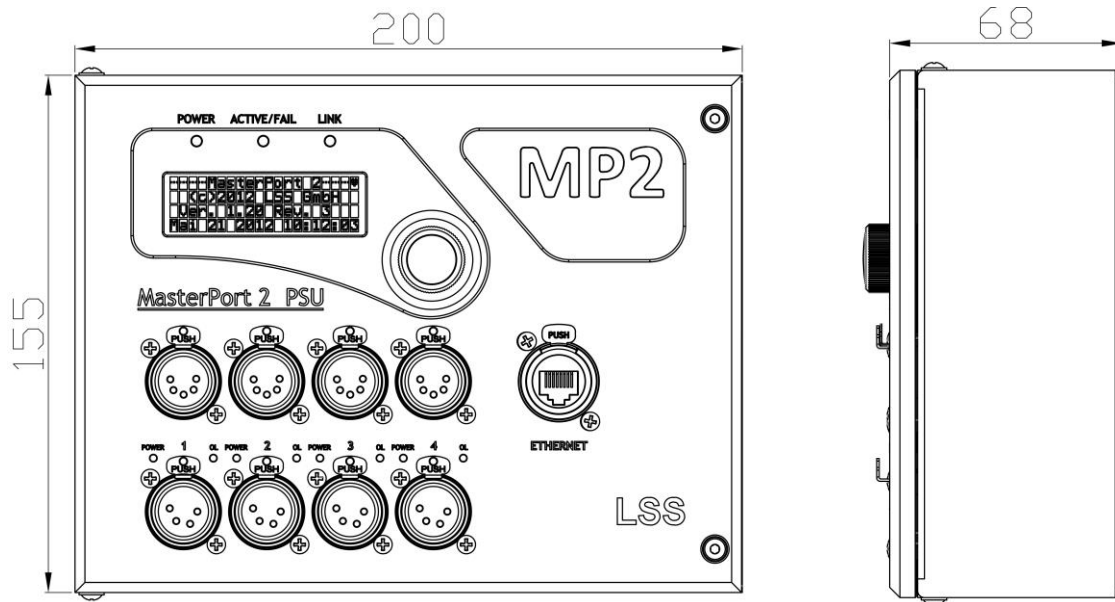
Back with optional connectors

### **Technical Specifications**

Dimensions (W x H x D)	130 x 146 x 68 mm with Encoder
	130 x 146 x 44,5 mm without Encoder (all dimensions without connectors)
Weight	640 g
Order number	5063 without rear DMX- and Power DMX-connectors
	5263 with rear DMX- and Power DMX-connectors

## MasterPort 2 PSU for wall mounting

LSS MasterPort 2 PSU with housing and Ethernet connection on the front for mounting on walls and other uneven surfaces or to raise the subsurface. Power can only be supplied by an external supply.

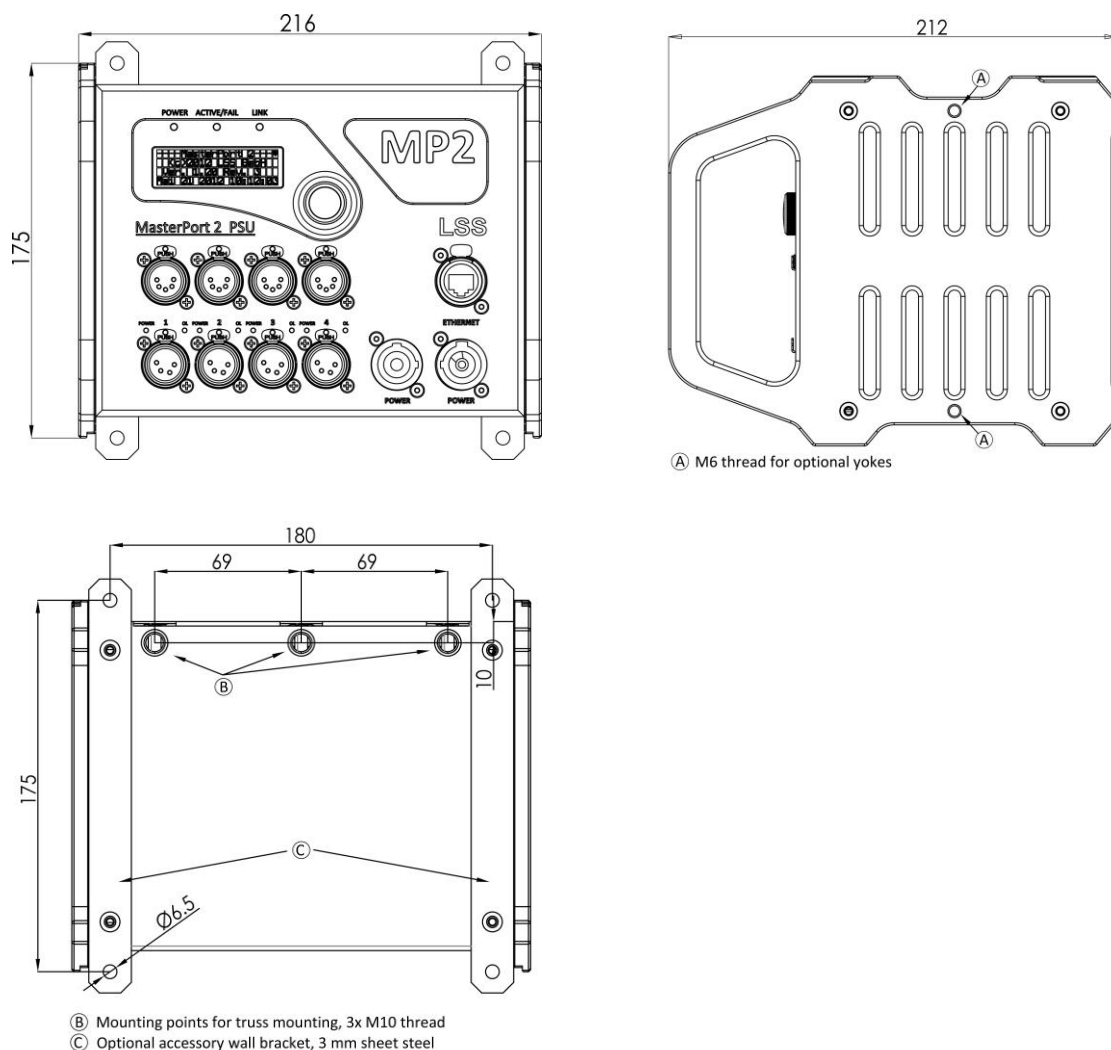


## Technical Specifications

Dimensions (W x H x D)	200 x 155 x 76 mm with Encoder 200 x 155 x 68,2 mm without Encoder
Power supply	External 48 V DC No internal switching power supply possible!
IP Code / Appliance classes	IP20 / Class 1
Weight	ca. 3000 g
Order number	5063 Only available with front DMX and Power DMX connections.

## MasterPort 2 PSU portable

The LSS MasterPort 2 PSU portable is a portable device for decentralized use. The device can be integrated into lighting networks or used as an independent power supply. The LSS MasterPort 2 PSU portable can be attached to trusses, walls, etc. Therefore, the device has various mounting points and optionally available mounting accessories.



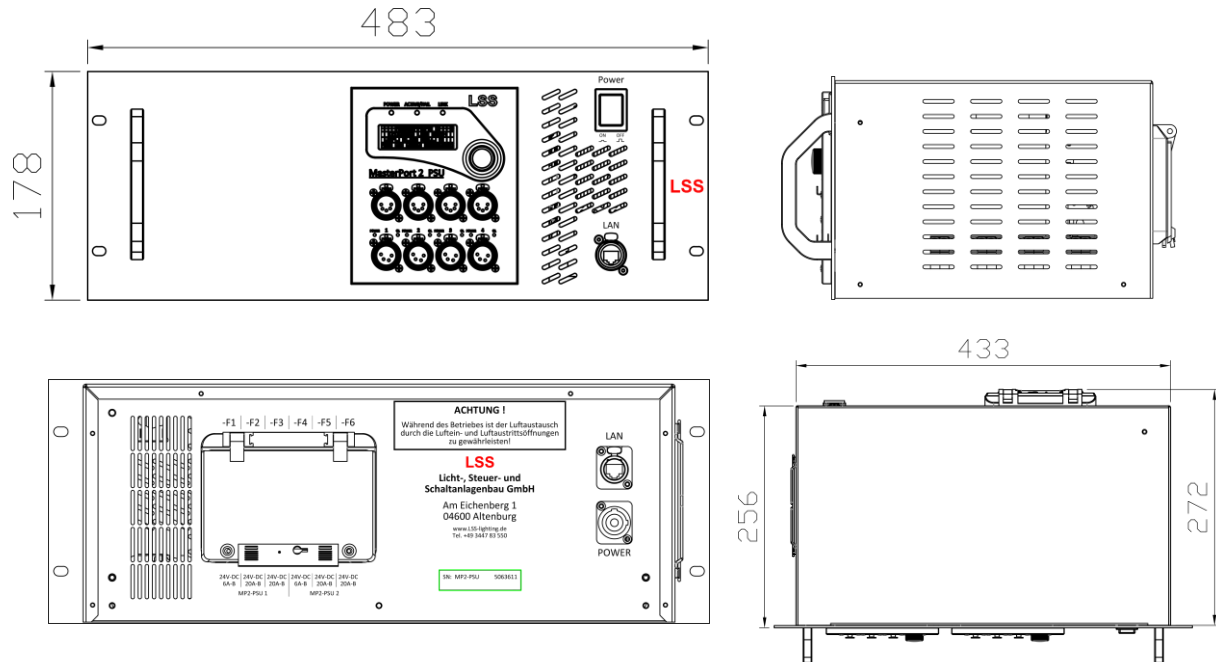
### Technical Specifications

Material	Sidewalls: Aluminum, black powder-coated (RAL 9005) Case: 1.0 mm sheet steel, black powder-coated (RAL9005)
Power supply	Neutrik powerCon® 230 V AC
Dimensions (W x H x D)	216 x 175 x 212 mm
Weight	ca. 4500 g
IP Code / Appliance classes	IP20 / Class 1
Accessories	Wall Brackets
Order number	5063

## **MasterPort 2 PSU RM for 19“racks**

The LSS MasterPort 2 PSU RM is a compact device unit consisting of a MasterPort 2 PSU, a power supply, and an Ethernet switch. The device is optionally available as a 40 A variant with one or as an 80 A variant with two LSS MasterPort 2 PSUs.

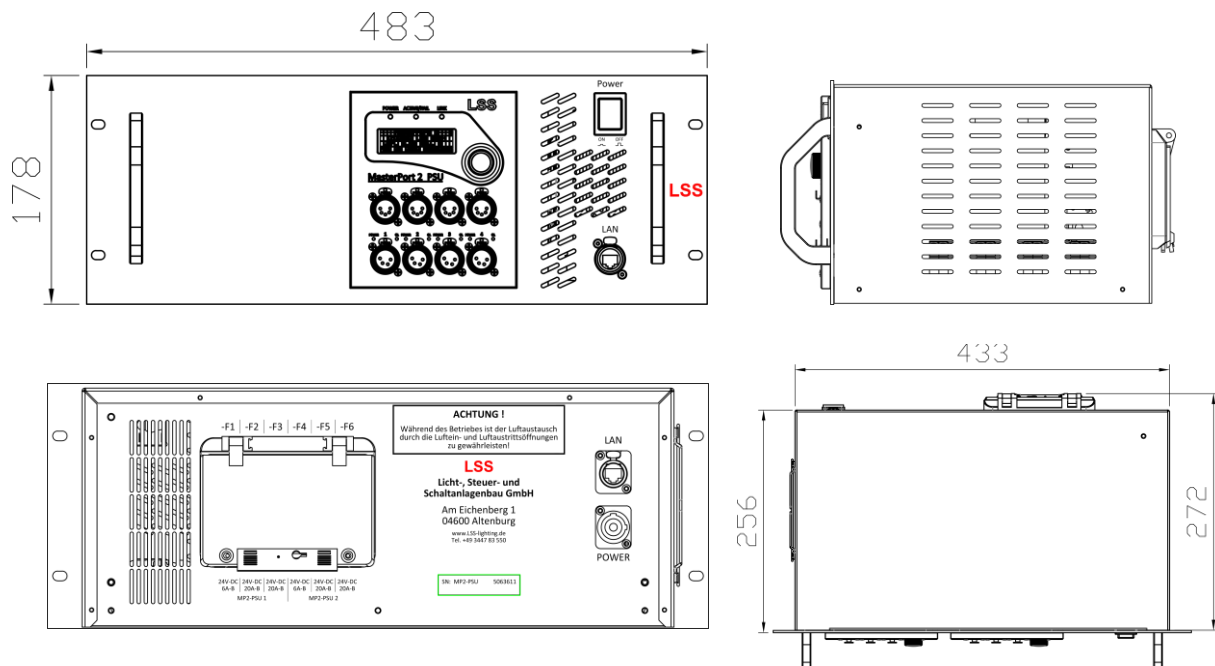
### **MasterPort 2 PSU RM 40A**



### **Technical Specifications**

19“panel	1.5 mm sheet steel, black powder-coated (RAL 9005)
Cooling	temperature-controlled case fan
Ethernet	2x RJ45 (Front & Rear)
Ethernet switch	Internal
Power supply	Neutrik powerCon® blue 230 V AC
Output current	4x 10 A
Device fuse	Executed on the back under a transparent operating window
IP Code / Appliance classes	IP20 / Class 1
Dimensions (W x H)	483 x 178 mm, 19“ x 4 U
Built-in depth	Minimum 273 mm
Weight	ca. 3000 g
Order number	5063

## LSS MasterPort 2 PSU RM 80 A



### Technical Specifications

19" panel	1.5 mm sheet steel, black powder-coated (RAL 9005)
Cooling	temperature-controlled case fan
Ethernet	2x RJ45 (Front & Rear)
Ethernet switch	Internal
Power supply	Neutrik powerCon® blue 230 V AC
Output current	8x 10 A
Device fuse	Executed on the back under a transparent operating window
IP Code / Appliance classes	IP20 / Class 1
Dimensions (W x H)	483 x 178 mm, 19" x 4 U
Built-in depth	Minimum 273 mm
Weight	ca. 3600 g
Order number	5063