LSS

DMX-RDM Booster 1 in 12 / V2

The LSS DMX-RDM Booster 1 in 12 / V2 is a booster and distributor for DMX signals. Incoming signals are boosted and distributed to 12 independent outs. The Ins and all Outs are electrically isolated and have an EMC protection circuit.

The LSS DMX-RDM Booster 1 in 12 / V2 supports RDM (according to ANSI E1.20 2010 + E1.37). Within the RDM network, the Booster is an in-line device with its own user interface device. It always directs RDM requests from the DMX-In to all Outs and handles responses depending on the RDM request.

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Technical Specifications:

DMX-In/THRU	Optionally • 1x RJ45 (Neutrik EtherCon®), ESTA configuration • 1x 5pin XLR The connectors are electrically isolated.
DMX-Out	Optionally • 12x RJ45 (Neutrik EtherCon®), ESTA configuration • 12x 5pin XLR All connectors are electrically isolated.

Power Supply	200 – 240 V AC, 50/60 Hz, Connector: IEC 60320-C14 (male)
Power consumption	Max. 7 W
Current consumption 230V	~70 mA, max. 200 mA
Operation temperature	0 °C to 40 °C / not condensed
Appliance classes /IP code	Class 1/IP20
RoHS	Approval

Design	19'' rack 1U
Dimensions (W x H x D)	483 x 45 x 110 mm
Weight	850 g
Order number	RJ45: 5205 XLR: 5215

LED signals

LED	**Color**	**Bedeutung**
Power	Blue	Power supply present
RDM	Green/ Red/ White	Burn green: RDM is on Burn red: RDM is off Burn white: Device works as a transparent inline device
Active/Fail	Green/ Red	Burn green: DMX-In is active Blinks red: DMX-In incorrect protocols Off: DMX-In is not active Special cases: Flickering red/green: Software update via RDM Flash red: Flash-error, call service
DMX-In	Yellow	RDM traffic
DMX-Out	Yellow	One LED on: RDM traffic with another device in the same universe All LED on: RDM discovery runs

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Set RDM mode and loading Default values

The RDM mode and default values are set or loaded by pressing the "RDM Switch" button.

Function	Button „RDM Switch“	RDM-LED
Set RDM mode	Call up the Mode by pressing the button for 2 s	Fast flickering
	Short tap to switch through	The current mode lights up, pressing the button changes the LED color and thus the mode (green-red-white-green...)
	Save mode by pressing button for 2 s	Flickers rapidly in the selected mode color

Load RDM deafault values	Hold while booting	Flickers purple
	Reset after approx. 6 s	

Display of the current firmware:

The currently installed firmware is displayed as a binary value with the yellow LEDs of the DMX-Out connections:

Display sequence	Yellow DMX-Out LED														
½ s Switch-on control:	o	o	o	o	o	o		o		o	o	o	o	o	o
Memory initialization:	o	o	o		o										
1 s Firmware version						o						o		o	
Binary value:	32	16	8	4	2	1				32	16	8	4	2	1

The six LEDs on the left shows the main version, the six on the right shows the sub-version. The above example therefore results in:

Display:	1=1	8+2=10
Installed firmware:	1.10	

Progress indicator for software update:

For updates via RDM, the update progress is displayed in 8% increments with the LEDs of the DMX-Out connections.