

LSS



Merger for DMX512 Single 6 in 2 or Dual 3 in 1

The LSS Merger 6 in 2 is a component for lighting networks with a high throughput rate and low DMX signal delay time. The device works with a fast real-time multitasking operating system. In combination with a powerful microcontroller, merging can be carried out in step with the incoming DMX signals. This ensures that only a maximum latency of one protocol (22.4ms) can occur.

A particular advantage is the high level of flexibility due to the possibility of using the device both as a 6:1 and as 2 separate 3:1 mergers. In 2 x 3:1 operation, both "mergers" behave as completely independent devices due to the potential separation.

The LSS Merger 6 in 2 is designed as a device for 19" rack systems. But it can also be used portable and decentralized.

These main features characterize the LSS Merger 6 in 2:

- 6 isolated DMX inputs with DMX Thru
- 2 independent, isolated DMX outputs
- Merging of up to six DMX lines into one signal (outputted in parallel to the two outputs)
- Two in One Merger: Merging of each three DMX lines into one output signal
- Configuration via hexadecimal rotary switch
- LEDs for report
- Intelligent DMX signal detection and restoration by microcontrollers
- Small, lightweight and energy-saving design using the latest processor technology
- No active cooling, noiseless

Technical specifications:

Configuration	6 in 2 or 2x 3 in 1 in HOLD or "Send zero" Configuration with a hexadecimal rotary switch
DMX input	6x RJ45 (Neutrik EtherCon®), PIN assignment to ESTA specification 6x XLR 5-pin, electrical isolation with optocoupler
DMX outputs	2x RJ45 (Neutrik EtherCon®), PIN assignment to ESTA specification or 2x XLR 5-pin, electrical isolation with optocoupler and 6x DMX-THRU
LEDs	Power: Power supply DMX-In: 6x DMX512 active on input DMX protocol detection by signal analysis DMX-Out: 2x DMX512 active on out connectors
RDM	The LSS Merger 6 in 2 acts as a filter for RDM devices. RDM signals are recognized and indicated by occasional flickering of the LED on the respective port. However, the RDM signals are not forwarded. RDM signals do not affect the merger!
Power supply	85 to 264 V AC one-phase / 47 to 63 Hz Power supply cable IEC 60320
RoHS Directive	Confirmed
Design	19" Rack system 1 U
Dimension (W x H x D)	448 x 42 x 106 mm
Weight	850 gram
Order number	RJ 45: 5005 XLR: 5015