

LSS



Merger 6 in 2

The *Merger 6 in 2* is a high-end device with a very high throughput rate and the lowest possible delay of DMX signals. The merging is done in step with the incoming DMX signal. This allows a maximum latency of a protocol (22.4 ms) occur only. The internal CPU operates therefore with a very fast real-time multitasking operating system.

Of particular advantage is the flexibility of the *Merger 6 in 2*. The *Merger 6 in 2* offers the opportunity to use the device as well as 6 in 2 or as two separate 3 in 1 merger devices. In operating mode "Two 3 in 1" both merger behave by the potential separation as completely independent units. In many cases this may be a further device can be saved.

The *Merger 6 in 2* is designed as a plug-in device with 1 unit for a 19" rack system. So it can be installed in control cabinets easily. Due to the small size and mass, the device can also be operated locally.

These main features characterize the *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 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 output
Power supply	85 to 264V AC one-phase / 47 to 63Hz Power supply cable IEC 60320
RoHS Directive	Confirmed
Design	19" Rack system 1 U
Dimensions	W x H x D 448 x 42 x 106mm
Weight	850 gram
Order number	RJ 45: 5005 XLR: 5015