



# Martin RDM 5.5 Splitter

The Martin RDM 5.5 Splitter is the perfect companion to any controller or DMX/RDM device. The main purpose of the Martin 5.5 Splitter is to maintain proper data over long or several runs of DMX signal. The Splitter boosts the weak DMX signal to its original output level before it becomes too low to be read by DMX devices. Disruption of DMX is often caused by bad cables or bad connections. The Martin RDM 5.5 Splitter will help to rectify the signal.

5-pin XLR Input and Outputs DMX-RDM E1.20 Splitter/Booster

Opto-isolated DMX Output ports

Rack, truss and wall mountable

## FEATURES

- DMX Splitter / Booster
- Opto-isolated DMX Output ports
- DMX loop through port with built-in termination
- 5-pin XLR Input and Outputs
- RDM E1.20 compliant
- Optimized for Martin fixture firmware upload
- Universal power supply
- PowerCon connectors in/out for easy daisy-chaining
- Rack, truss and wall mountable
- Lightweight yet robust construction

## TECHNICAL SPECIFICATIONS

### Physical

Depth: 125 mm (5.0 in.)  
Width: 220 mm (8.7 in.)  
Height: 45 mm (1.8 in.)  
Weight: 0.9 kg (2.0 lbs.)

### Data signal

DMX: ANSI E1.11 (USITT DMX 512-A)  
RDM: ANSI E1.20  
Electrical standard: EIA-485  
Recommended cable type: STP (Shielded Twisted Pair)  
Recommended cable gauge: 22 or 24 AWG

### Construction

Housing: Aluminum  
Finish: Electrostatic powder-coated

### Connections

Data input: 5-pin XLR male  
Data throughput (not amplified or branched): 5-pin XLR female  
Data outputs (optically isolated and amplified): 5 x 5-pin XLR female  
AC power input: Neutrik PowerCon  
AC power throughput: Neutrik PowerCon

### Electrical

AC power: 100-240 V nominal, 50/60 Hz  
Power supply unit: Auto-ranging electronic switch-mode  
Typical total power consumption: 4 W  
*Power consumption figures are typical, not maximum. Allow for +/-10% variation.*

### Thermal

Maximum ambient temperature (Ta max.): 55° C  
Minimum ambient temperature (Ta min.): -30° C

#### Approvals

EU safety: EN 60950-1  
EU EMC: EN 55022, EN 55024, EN 55103-1, EN 55103-2  
US safety: UL 508  
US EMC: FCC Part 15 Class A  
Canadian safety: CAN/CSA C22.2 No. 14  
Canadian EMC: ICES-003 Class A  
Australia/NZ: C-TICK N4241

#### Included Items

4 x screws to join two devices for rack mounting  
2 x L-brackets + 8 x screws for 19-inch rack mounting two Splitters (1U) or surface mounting  
Neutrik PowerCon NAC3FCA male input connector

#### Accessories

Neutrik PowerCon NAC3FCA power input connector, cable mount, blue: P/N 05342804  
Neutrik PowerCon NAC3FCB power output connector, cable mount, light grey: P/N 05342805  
Half-coupler clamp: P/N 91602005  
G-clamp: P/N 91602003  
Quick trigger clamp: P/N 91602007  
Safety cable, safe working load 50 kg: P/N 91604003  
3-pin male XLR to 5-pin female XLR adaptor: P/N 11820004  
5-pin male XLR to male RJ-45 adapter: P/N 11840111  
5-pin female XLR to male RJ-45 adapter: P/N 11840112

#### Related Items

Martin DMX 5.3 Splitter™: P/N 90758140

#### Ordering Information

Martin RDM 5.5 Splitter™: P/N 90758150

