8-Way RDM Enabled DMX Splitter
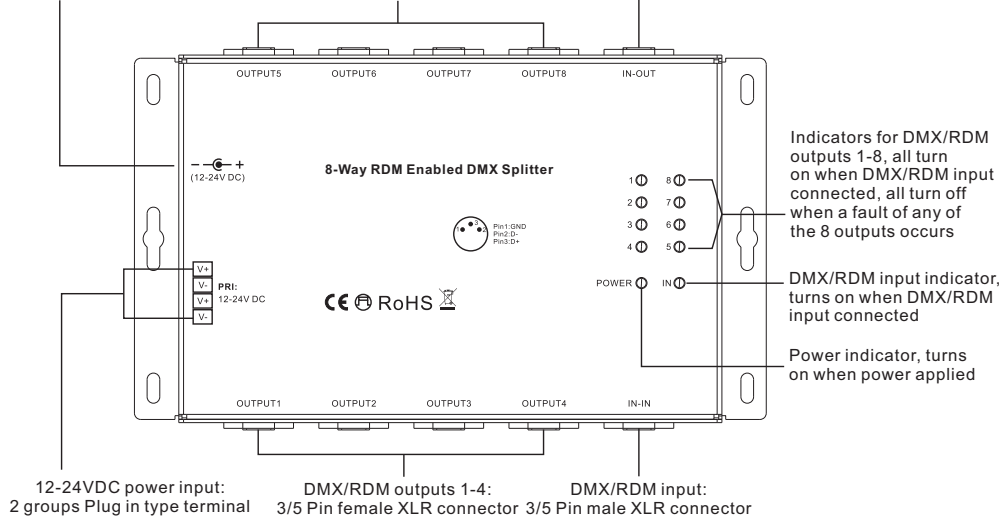
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Important: *Read All Instructions Prior to Installation*

Function introduction

Female 12-24VDC power connector
(Requires male DC plug)

DMX/RDM outputs 5-8:
3/5 Pin female XLR connector

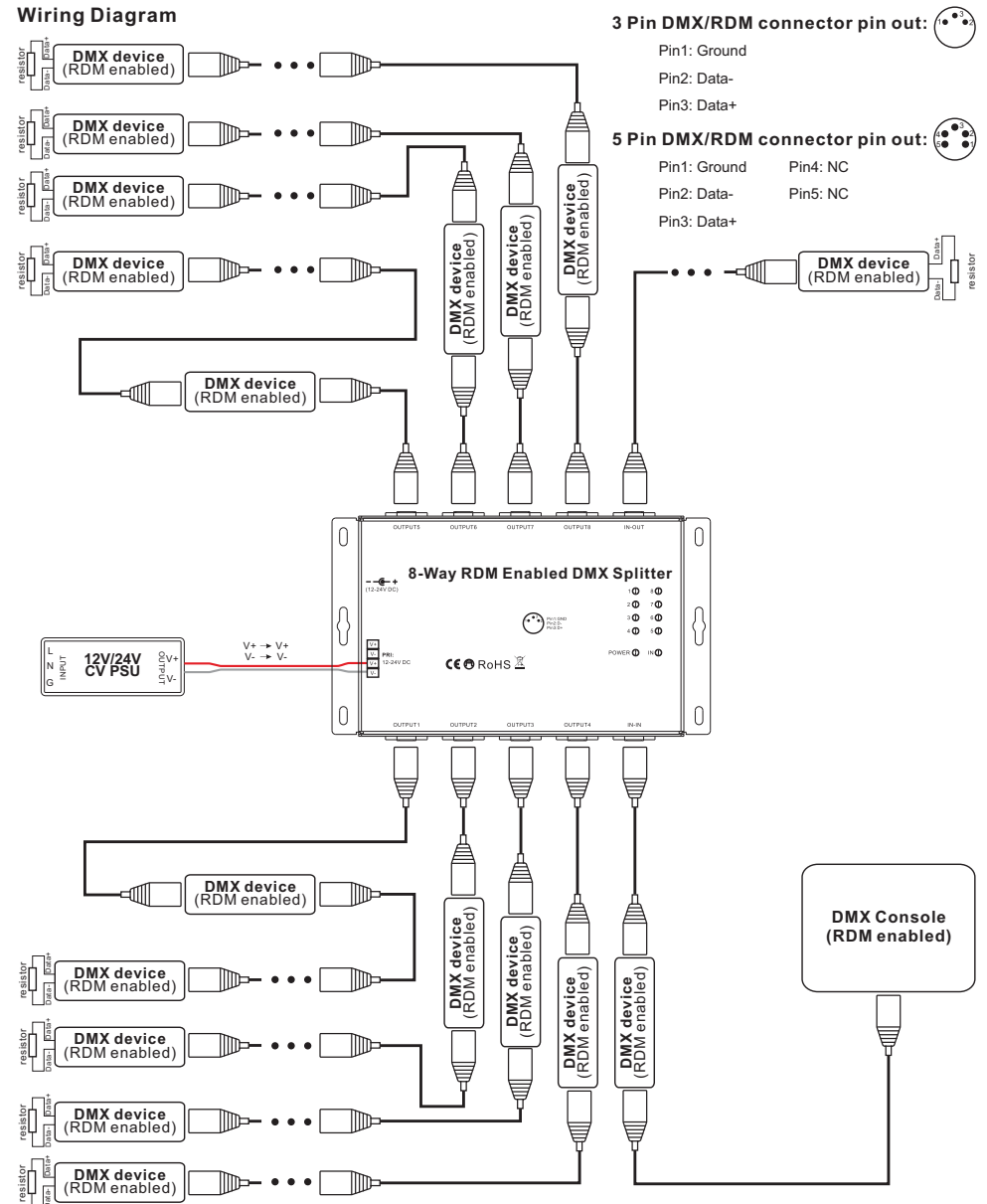DMX/RDM input feed through:
3/5 Pin female XLR connector

OUTPUT5   OUTPUT6   OUTPUT7   OUTPUT8   IN-OUT

−−⊙−+
(12-24V DC)

8-Way RDM Enabled DMX Splitter

Pin1:GND
Pin2:D-
Pin3:D+

V+
V-
V+
V-

PRI:
12-24V DC

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1 8
2 7
3 6
4 5

POWER   IN

Indicators for DMX/RDM
outputs 1-8, all turn
on when DMX/RDM input
connected, all turn off
when a fault of any of
the 8 outputs occurs

DMX/RDM input indicator,
turns on when DMX/RDM
input connected

Power indicator, turns
on when power applied

OUTPUT1   OUTPUT2   OUTPUT3   OUTPUT4   IN-IN

12-24VDC power input:
2 groups Plug in type terminal

DMX/RDM outputs 1-4:
3/5 Pin female XLR connector

DMX/RDM input:
3/5 Pin male XLR connector

Product Data

No.	Input Voltage	Input Current	Input Signal	DMX/RDM Connection Ports	Connector Pin Out	Size(LxWxH)	Operation Temperature
1	12-24VDC	Max. 300mA	DMX/RDM	Input: (1x) Male 3-Pin XLR Output: (8x) Female 3-Pin XLR	Pin1: Ground Pin2: Data- Pin3: Data+	199x125x44mm	-20℃ ~ +50℃
2	12-24VDC	Max. 300mA	DMX/RDM	Input: (1x) Male 5-Pin XLR Output: (8x) Female 5-Pin XLR	Pin1: Ground Pin2: Data- Pin3: Data+ Pin4: NC Pin5: NC	199x125x44mm	-20℃ ~ +50℃

• 8-Way RDM enabled DMX splitter
• DMX/RDM compatible
• RDM enabled - ANSI E1.20 compliant
• Extend both cable distance (up to 300m) and the number of devices (up to 32 devices per output, total 256 devices)
• Plug and play, 3/5-Pin XLR male DMX input, eight XLR female DMX outputs
• 8 outputs are full isolated from the input, the outputs are not isolated from each other
• Each output provides LED data indicators, providing full confirmation of proper operation
• Supports bi-directional communications for discovery, addressing and DMX control of RDM enabled devices
• A feed through XLR female connector is provided at the input, allowing this unit to be placed in the middle of an existing DMX chain

Safety & Warnings

• DO NOT install with power applied to device.
• DO NOT expose the device to moisture.

Wiring Diagram

3 Pin DMX/RDM connector pin out:

Pin1: Ground
Pin2: Data-
Pin3: Data+

5 Pin DMX/RDM connector pin out:

Pin1: Ground   Pin4: NC
Pin2: Data-   Pin5: NC
Pin3: Data+

Note:

1) This splitter is placed in the middle of an existing DMX chain.
2) Max. allowed data cable length in a DMX chain is 300m, each output is branch DMX chain.
3) Max. allowed data cable length connected to each output (branch DMX chain) is 300m.
4) Max. 32 devices can be connected to each output of the splitter in daisy-chain.
5) Total 32*8=256 devices can be connected to 8 outputs of the splitter.
6) Please attach a 120ohm, 0.5W resistor between Data+ and Data- wires on the last device of each DMX chain.

Product Dimension

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125 mm

199 mm

44 mm