SYNCD

Isolated DMX Splitter 1x4 - Datasheet
DMX512 splitter

MADE IN
INDIA

This device is designed to distribute a single DMX input to four isolated DMX outputs, ensuring reliable and efficient data transmission for your lighting and control systems.

SyncD Isolated DMX Splitter 1x4 has each output is independently driven and fully isolated from the input and other outputs, guaranteeing continuous operation even in the event of a fault.

Key features

- **1 x 4 Way DMX Splitter**: Distributes one DMX input to four DMX outputs.
- **DMX In - DMX Thru**: Allows for easy daisy chaining of multiple splitters or other DMX devices.
- **Portable and Compact**: Its compact design allows for easy transportation and use in various environments.
- **DIN Rail Mount**: Convenient and secure mounting option for industrial and commercial installations (Optional).
- **Independent Drivers**: Each output has an independent driver providing full isolation from the input and other outputs.
- **Fault Isolation**: In the event of a fault on one DMX output, the others will remain operational.
- **LED Data Indicators**: Each output is equipped with LED data indicators to confirm proper operation.
- **Wide Range Input Voltage**: The device supports a wide range of input voltages, accepting 9-24V DC for its power supply.
- **Versatile Applications**: Suitable for testing a wide range of DMX-controlled equipment, from lights to effects machines.

Specification

Connectors	1 x DMX Input (XLR3) 1 x DMX Through (XLR3) 4 x DMX Output (XLR3) 1 x 2 pin terminal	**Input Voltage**	9-24V DC
		Input Current	450mA
IP rating	IP20	**Mounting options**	Din-Rail mount (Optional)
LED indicators	Yes	**Unit weight**	210 gm
Protocol Supported	DMX512	**Unit dimensions**	135 x 70 x 65 mm
Maximum input / output channels	512	**Warranty**	1 year
Body material	ABS plastic		

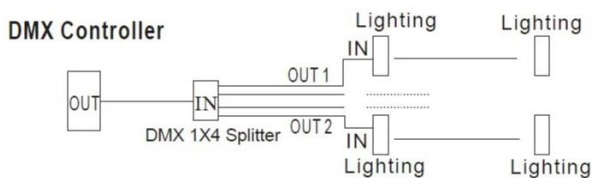## DMX Connector pinout

Pin 1:	Pin 2:	Pin 3:
Ground	Data	Data
(Common)	Negative (-)	Positive (+)

Any appropriate 3-pin DMX adapter can be utilized to connect to 3-pin DMX cables or fixtures. Make sure to verify the pinout before connecting to any non-standard DMX connector.
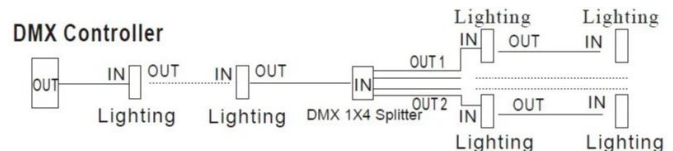
Safety

- Refer to the manuals or documentation of your DMX fixtures and adapters to confirm the pinout configurations.
- The device relies on convection cooling; therefore, ensure it receives adequate airflow to effectively dissipate heat.
- If unsure, use a multimeter to test continuity and confirm the pinout of the cables and connectors.
- Ensure the device is kept away from rain or moisture as it is designed solely for indoor use.
- Avoid removing the cover as it contains no user-serviceable components.
- Do not attempt to repair the device yourself. Contact authorized service personnel for repairs.
- Make sure your installation is safeguarded against short circuits and overcurrent.
- Verify all connections are complete and fully secured before powering the device.
- Additionally, never connect DMX ground (GND) to an electrical earth connection.

Connection diagram

With unit connected from DMX controller, up to 32 devices can be connected to each output.

The input of this splitter may be one of up to 32 devices connected to a single controller, including three additional splitters, and each splitter may have up to 32 connected devices.

Connecting the DMX Cables
- Connect the DMX input cable to the DMX IN port.
- If necessary, connect another DMX device to the DMX THRU port.
- Connect the DMX output cables to the DMX OUT ports.

Operation
- Once powered, the LED data indicators for each output will illuminate, indicating proper operation.
- In case of a fault on any output, the corresponding LED will turn off, while the others will remain operational.

Powering the Device
- Connect the power supply to the splitter.
- Verify that the power supply voltage matches the device specifications.

Troubleshooting
- No LED Indicator: Check the power supply and ensure the device is properly connected.
- No Data Transmission: Verify the DMX input source and check the DMX cables for continuity.
- Faulty Output: Disconnect and inspect the specific DMX output cable and device. Replace if necessary.

Box contents

1 X Isolated DMX Splitter 1x4 (Product ID: DTSPL2.0) (SKU: 10804)

* The details in this document may be updated, modified and subject to change.