



# CentoLight Scenesplit 4 Plus 1 Input 4 Output DMX Splitter **User Manual**

Home » CentoLight » CentoLight Scenesplit 4 Plus 1 Input 4 Output DMX Splitter User Manual



# **Contents**

- 1 CentoLight Scenesplit 4 Plus 1 Input 4 Output DMX **Splitter**
- **2 Product Usage Instructions**
- **3 BEFORE YOU BEGIN**
- **4 Safety Instructions**
- **5 Introduction**
- **6 Features**
- 7 Overview
- **8 Power Connections**
- 9 DMX Connection
- **10 SPECIFICATIONS**
- 11 WARRANTY AND SERVICE
- **12 CONTACT**
- **13 FAQ**
- 14 Documents / Resources
  - 14.1 References
- 15 Related Posts



CentoLight Scenesplit 4 Plus 1 Input 4 Output DMX Splitter



# **Product Usage Instructions**

- The user manual provides an overview of the controls and instructions on how to use them effectively.
- The front panel of the splitter contains various output ports labeled from OUT 1 to OUT 4, allowing you to connect multiple devices.
- Connect the power cable included in the package to the POWER input on the splitter to provide it with the necessary power supply.
- To establish a DMX chain, connect your DMX controller to the DMX IN port on the splitter and then connect your DMX devices to the OUT ports accordingly.

## Dear customer,

- First of all thanks for purchasing a CENTOLIGHT® product. Our mission is to satisfy all possible needs of light designers and professionals of entertainment lighting, by offering a wide range of products based on the latest technologies.
- We hope you will be satisfied with this fixture and, if you want to collaborate, we are looking for feedback from you about product operation and possible improvements to be introduced in the next future.
- Go to our website <u>ww.centolight.com</u> and send an e-mail with your opinion; this will help us to build equipment ever closer to professionals' real requirements.

#### **BEFORE YOU BEGIN**

Thank you for purchasing Scenesplit 4 Plus. Enjoy your new equipment and make sure to read this manual carefully before operation! This user manual is made to provide both an overview of controls, as well as information on how to use them.

# What is included

# Package includes:

- 1x Scenesplit 4 Plus unit
- 1x Power cable
- This User Manual

**ATTENTION:** The Packaging bag is not a toy! Keep out of reach of children!!! Keep in a safe place the original packaging material for future use.

# **Unpacking Instructions**

- Carefully unpack the product immediately and check the contents to make sure all the parts are in the package and are in good condition.
- If the box or the contents(the product and included accessories) appear damaged from shipping, or show signs
  of mishandling, notify the carrier or dealer/seller immediately. In addition, keep the box and contents for
  inspection.
- If the product must be returned to the manufacturer, it is important that it is returned in the original manufacturer's box and packing.

 Please do not take any action without first contacting your dealer or getting in touch with our after-sales support service (visit www.centolight.com for details)

## **Accessories**

- Centolight can supply a wide range of quality accessories that you can use with your Scenesplit Series
  equipment, like Cables, Controllers, and a wide range of splitters.
- Ask your Centolight dealer or check out our website www.centolight.com for any accessories you may need to
  ensure the best performance of the product.
- All products in our catalogue have been long tested with this device, so we recommend you to use Genuine Centolight Accessories and Parts.

#### **Disclaimer**

The information and specifications contained in this Manual are subject to change without notice. Centolight assumes no responsibility or liability for any errors or omissions and reserves the right to revise or create this manual at any time.

# **Safety Instructions**

- · Read these instructions
- Keep these instructions
- · Heed all warnings
- · Follow all instructions

# **Symbols Meaning**

- The symbol is used to indicate that some hazardous live terminations are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.
- The symbol is used to describe important installation or configuration problems. Not following advice and information on how to avoid such problems may lead to product malfunction.
- This symbol indicates a protective grounding terminal.
- WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the operator.
- To protect the environment, please try to recycle packing material and exhausted consumables as much as possible.
- This symbol indicates that the splitter is intended for indoor use only. Keep the machine dry and do not expose it to rain and mois-ture.

 Don't throw this product away just as general trash, please deal with the product following the abandoned electronic product regulation in your country.

#### Water / Moisture

- The product is for indoor use. In order to prevent the risk of fire or electric shock, do not expose to rain or moisture.
- The unit can not be used near water; for example, near a bathtub, a kitchen sink, a swimming pool, etc.

#### Heat

• The apparatus should be located away from heat sources such as radiators, stoves, or other appliances that produce heat.

#### Ventilation

- Do not block areas of ventilation opening. Failure to do so could result in fire.
- Always install according to the manufacturer's instructions.

# **Object and Liquid Entry**

Objects must not fall and liquids must not be spilled into the inside of the apparatus for safety.

# **Power Cord and Plug**

Protect power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the
point where they exit from the apparatus. Do not defeat the safety purpose of the polarized or grounding-type
plug. A polarized plug has two poles; a grounding-type plug has two poles and a third grounding terminal. The
third prong is provided for your safety. If the provided plug does not fit into your outlet, refer to an electrician for
replacement.

# **Power Supply**

- In case of an external power supply, the apparatus should be connected to the power supply only of the type as marked on the apparatus or described in the manual.
- Failure to do so could result in damage to the product and possibly the user. Unplug this apparatus during lightning storms or when unused for long periods of time.

#### **Fuse**

• To prevent the risk of fire and damage to the unit, please use only the recommended fuse type as described in the manual. Before replacing the fuse, make sure the unit is turned off and disconnected from the AC outlet.

# Cleaning

• Clean only with a dry cloth. Do not use any solvents such as benzene or alcohol.

# Servicing

- Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only.
- The internal components of the equipment must be purchased from the manufacturer. Only use accessories/attachments or parts recommended by the manufacturer.

# Introduction

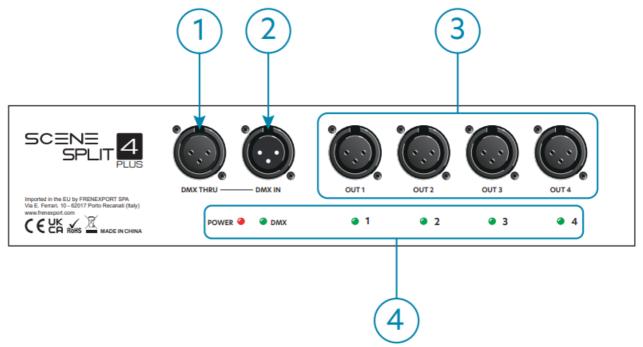
Scenesplit 4 Plus is a reliable and versatile 1 in -4 Outs DMX Splitter, ideal for managing DMX signals in professional lighting environments. With its multiple outputs, signal amplification, electrical isolation, and status indicators, it ensures that complex lighting setups operate smoothly and efficiently. Whether used in stage productions, concerts, theaters, or architectural lighting, SceneSplit 4 Plus helps to maintain the integrity and reliability of DMX-controlled lighting systems.

#### **Features**

- Separate high voltage protection on each output
- High-quality power supply stage for maximum stability at a wider range voltage input
- High-quality optical coupler for maximum isolation
- Golden plated XLR Connector for improved conductivity

# **Overview**

# **Front Panel**



1. DMX Thru: DMX Thru output can be used to connect additional DMX splitters, controllers or amplifiers, without

- altering the original DMX signal. This ensures signal integrity and offers flexibility in case of complex lighting configurations.
- 2. DMX Input: This connector receives DMX data from lighting consoles, fixtures, or other DMX512 standard equipment
- 3. DMX Outputs: These outputs distribute the DMX signal from a single input to multiple DMX devices. Each output provides a regenerated and isolated version of the input signal, ensuring reliable communication with connected devices.
- 4. LED Indicators: Each DMX output (3) is provided with LED indicators for visual feedback about the status of each output. The DMX LEDs light up in green when a valid DMX signal is present and can be transmitted through the outputs. The Power LED lights up in red when the splitter is receiving power and is active.

#### **Power Connections**

Connect the device to the mains with the power plug. The wire correspondence is as follows:

Cable	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	

The Earth must be connected! Pay attention to the safety! Before taking into operation for the first time, the installation has to be approved by an expert.

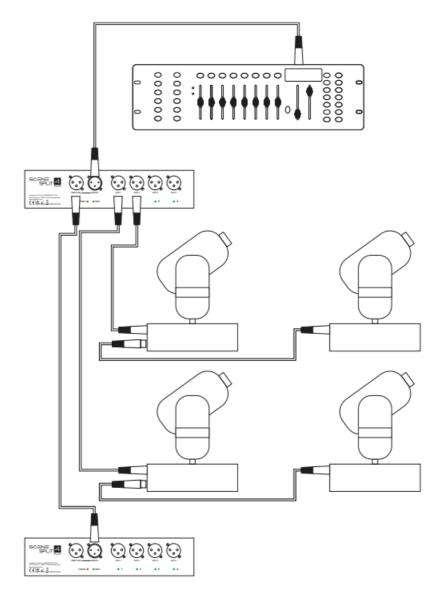
## **DMX Connection**

- There are 512 channels in a DMX-512 connection. Channels may be assigned in any manner. A fixture capable of receiving DMX-512 will require one or a number of sequential channels.
- The user must assign a starting address on the fixture that indicates the first channel reserved in the controller.
- There are many different types of DMX controllable fixtures, and they all may vary in the total number of channels required.
- Choosing a start address should be planned in advance. Channels should never overlap.
- If they do, this will result in erratic operation of the fixtures whose starting address is set incorrectly.
- You can however, control multiple fixtures of the same type using the same starting address as long as the intended result is that of unison movement or operation.
- In other words, the fixtures will be slaved together and all will respond exactly the same.

# **Building a Serial DMX Chain**

DMX fixtures are designed to receive data through a serial Daisy Chain. A Daisy Chain connection is where the DATA OUT of one fixture connects to the DATA IN of the next fixture. The order in which the fixtures are connected is not important and has no effect on how a controller communicates to each fixture. Use an order that provides for the easiest and most direct cabling.

# Connect the Splitter to the DMX console directly



Connect fixtures using shielded 2-conductor twisted pair cable with 3-pin XLR male to female connectors. The shield connection is pin 1, while pin 2 is Data Negative (S-), and pin 3 is Data positive (S+).

# **DMX use of 3-Pin XLR Connectors**



**CAUTION:** Wires must not come into contact with each other; otherwise, the fixtures will not work at all, or will not work properly.

# **DMX TERMINATOR**

DMX is a resilient communication protocol, however errors still occasionally occur. In order to prevent electrical noise from disturbing and corrupting the DMX control signals, a good habit is to connect DMX output of last fixture in the chain to a DMX terminator, especially over long signal cable runs.

## **DMX Terminator**

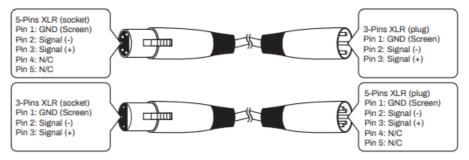


- The DMX terminator is simply an XLR connector with a 120Ω (ohm), 1/4 Watt resistor connected across Signal

   (-) and Signal (+), respectively, pins 2 and 3, which is then plugged into the output socket on last projector in the chain.
- · The connections are illustrated below.

# **3-PIN VS 5-PIN DMX CABLES**

- DMX connection protocols used by controllers and fixture manufacturers are not standardized around the world. However, two are the most common standards:
- 5-Pin XLR and 3-Pin XLR system. If you wish to connect Scenesplit 8 Plus to a 5-Pin XLR input fixture, you need to use an adapter cable or make it by yourself.
- Following the wiring correspondence between the 3-Pin and 5-Pin plug and socket standards.



# **SPECIFICATIONS**

Power Input	AC110 ~ 240Vac 50/60Hz	
Protocols	DMX-512	
Data Input/Outputs	3-pin XLR male (In) female (out) sockets	
Data Pin Configuration	Pin 1 shield, Pin 2 (-), Pin 3 (+)	
Product Size (WxHxD)	322 x 80 x 72 mm (12,7 x 3,15 x 2,83 in)	
Net Weight	1.2 kg ( 2,64 lbs.)	
Packing Dimension (WxHxD)	370 x 132 x 140 mm (14,5 x 5,20 x 5,51 in)	
Packing Gross Weight	1.5 kg ( 3,30 lbs.)	

**Note:** Our products are subject to a process of continual further development. Therefore, modifications to the technical features remain subject to change without further notice.

#### **WARRANTY AND SERVICE**

All Centolight products feature a limited two-year warranty. This two-year warranty starts from the date of purchase, as shown on your purchase receipt. The following cases/components are not covered by this warranty:

- Any accessories supplied with the product
- · Improper use
- Fault due to wear and tear
- Any modification of the product effected by the user or a third party

Centolight shall satisfy the warranty obligations by remedying any material or manufacturing faults free of charge at Centolight's discretion, either by repairing or exchanging individual parts or the entire appliance. Any defective parts removed from a product during a warranty claim shall become the property of Centolight.

While under warranty, defective products may be returned to your local Centolight dealer together with the original proof of purchase. To avoid any damage in transit, please use the original packaging if available. Alternatively, you can send the product to Centolight SERVICE CENTER – Via Enzo Ferrari, 10 – 62017 Porto Recanati – Italy. To send a product to a service center, you need an RMA number. Shipping charges have to be covered by the owner of the product. For further information, please visit <a href="https://www.centolight.com">www.centolight.com</a>

#### WARNING

PLEASE READ CAREFULLY - EU and EEA (Norway, Iceland, and Liechtenstein) only



- This symbol indicates that this product is not to be disposed of with your house-hold waste, according to the WEEE Directive (2012/19/EU) and your national law.
- This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (WEEE).
- Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE.
- At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources.
- For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme, or your household waste disposal service.

# **CONTACT**

- This product is imported in EU by Questo prodotto viene importato nella UE da FRENEXPORT SPA – Via Enzo Ferrari, 10 – 62017 Porto Recanati – Italy \
- www.centolight.com

#### **FAQ**

- 1. What is included in the package?
  - 1. The package includes one Scenesplit 4 Plus unit, one power cable, and this user manual. Ensure to keep

the original packaging material in a safe place for future use.

- 2. Can I use accessories with the Scenesplit Series equipment?
  - 1. Centolight offers a range of quality accessories like cables, controllers, and splitters that are compatible with Scenesplit Series equipment. Check with your Centolight dealer or visit their website for more information on suitable accessories.

# **Documents / Resources**



CentoLight Scenesplit 4 Plus 1 Input 4 Output DMX Splitter [pdf] User Manual Scenesplit 4 Plus 1 Input 4 Output DMX Splitter, Scenesplit 4 Plus, 1 Input 4 Output DMX Splitter, 4 Output DMX Splitter, DMX Splitter, DMX Splitter

# References

- Welcome CentoLight
- User Manual

#### Manuals+, Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.