DTL16-DIN

INSTRUCTION MANUAL

THIS DOCUMENT APPLIES TO

DTL16-DIN

Document ID: M028 Document version: 1.3 Last edit: 11. 8. 2025

IMPORTANT NOTE

The user is required to read and understand this manual before installing, operating, or servicing the device. Failure to follow the specified procedures and safety guidelines may result in equipment malfunction, personal injury, or hazardous situations. The manufacturer assumes no responsibility for damage or injury caused by negligence, improper handling, or failure to comply with the instructions provided. Under such circumstances, all associated risks and liabilities fall to the operator.

REPAIR & SERVICE

In the event of equipment malfunction, please contact our Technical Support Department at rma@srs-group.com, or reach out to the authorised distributor from whom the equipment was purchased. To ensure optimal performance and extend the service life of the device, only use replacement parts supplied or approved by the manufacturer.

For inquiries related to the functionality, operation, or applications of this equipment, please contact your local distributor or email us at sales@srs-group.com.

IMPORTANT NOTE

When contacting the manufacturer or local distributor, please provide information found on the sticker on the rear panel. This will ensure swift processing of your request. Thank you!

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TABLE OF CONTENTS

1. SAFETY INFORMATION 4

2. PRODUCT DESCRIPTION 5

2.1. TECHNICAL SPECIFICATIONS 5

3. PRODUCT OVERVIEW 6

3.1. CONTROLS OVERVIEW 6

4. SAMPLE OF SYSTEM SCHEMATICS 7

4.1. SINGLE POWER SUPPLY SYSTEM 7

4.2. EXTERNAL POWER SUPPLY SYSTEM 8

5. WARRANTY 9

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1. SAFETY INFORMATION

The following general safety precautions have to be observed during all phases of operation, service, and repair of this equipment. Failure to comply with these precautions or with specific warnings in this manual violates safety standards of design, manufacture, and the intended use of this equipment.

DO NOT OPERATE IN AN EXPLOSIVE ATMOSPHERE!

Do not operate this equipment in the presence of flammable gases or fumes. Operation of any electrical instrument in such an environment constitutes a definite safety hazard.

WATER, MOISTURE, HEAT AND HUMIDITY

Do not operate this equipment near water or in areas with wet floors, also not in high humidity atmosphere where condensation forms on the equipment. It should never be placed near or over a heat register or other source of heated air and it should not be installed or operated without proper ventilation.

MAINTENANCE WORK PRECAUTIONS

Always ensure that the power to the equipment is disconnected before opening the equipment or commencing any maintenance work.

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2. PRODUCT DESCRIPTION

DTL16-DIN is a 16-channel DMX-controlled LED driver & dimmer that can be used to control both single-strip and RGB channels. All connections are done via screw terminals located on the body of the device. The DMX is optically isolated and protected against power surges and dangerous ground loops.

All electrical components carry their own individual cSA/UL, CE and comply with European Directives. The components are housed in a plastic DIN-rail case. Complete unit complies with the CE according to the Certification of conformity attached to this manual.

2.1. TECHNICAL SPECIFICATIONS

Input:
60V

Output:
100V

Size:
111 x 96 x 59 mm

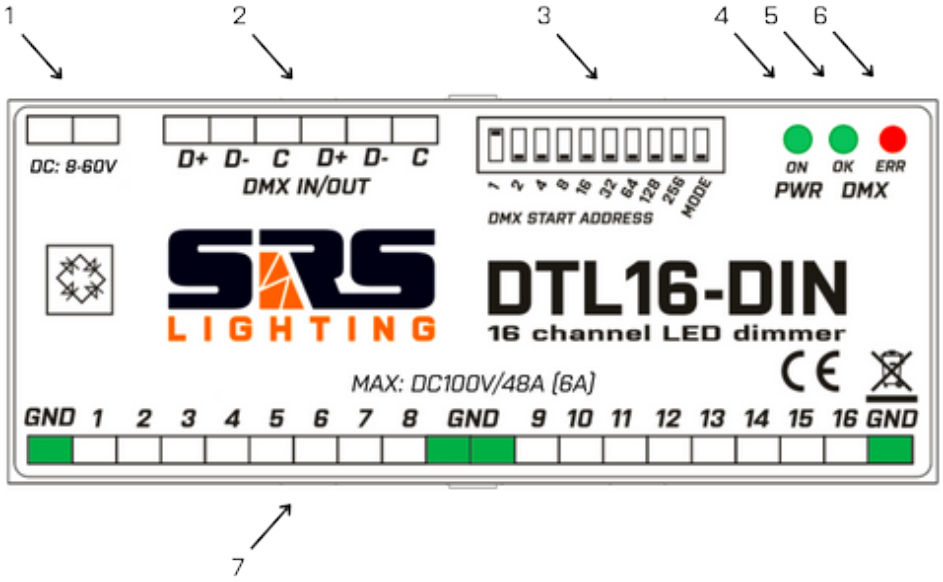
Weight:
0.25 kg

Temperature of use:
From -30°C to +45°C

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3. PRODUCT OVERVIEW

3.1. CONTROLS OVERVIEW



1. AC/DC POWER SUPPLY INPUT
2. DMX INPUT/THROUGH OUTPUT
3. DIP SWITCH
4. POWER ON LED
5. DMX OK LED
6. DMX ERROR LED
7. OUTPUT CONNECTOR

On the dip switch (3), the MODE button functions as a switch to enter DMX HOLD mode. When the DMX HOLD mode is on, the device keeps last used DMX settings in case of signal loss. When the device is disconnected from main power, all DMX settings are reset to zero.

The Power LED (4) indicates that the device is connected to main power and is ready for setup.

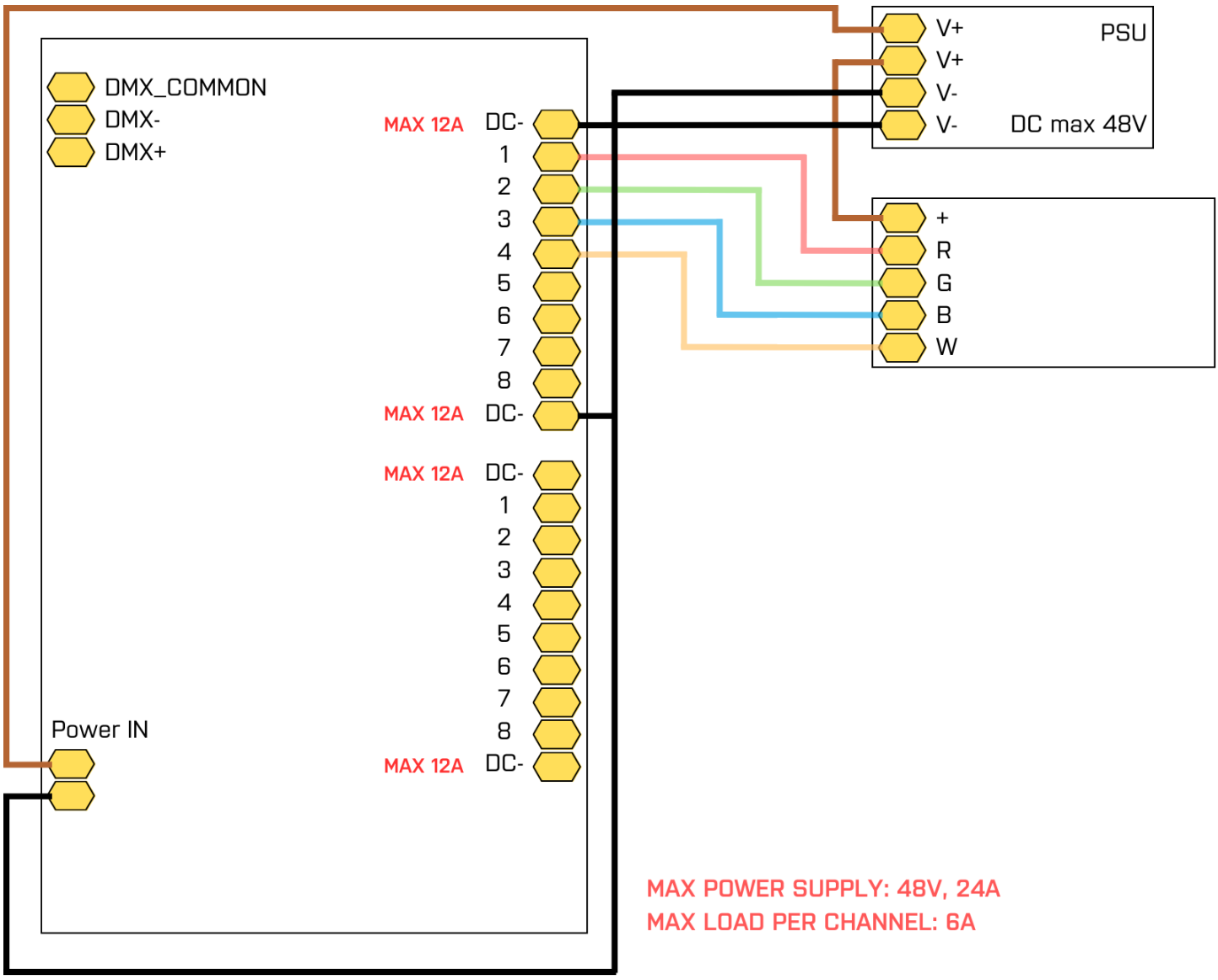
The DATA LED (5) indicates presence of DMX data stream on DMX input.

The ERROR LED (6) indicates operation failure. Please check all connected devices for proper connection, correct functioning, or damage.

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4. SAMPLE OF SYSTEM SCHEMATICS

4.1. SINGLE POWER SUPPLY SYSTEM

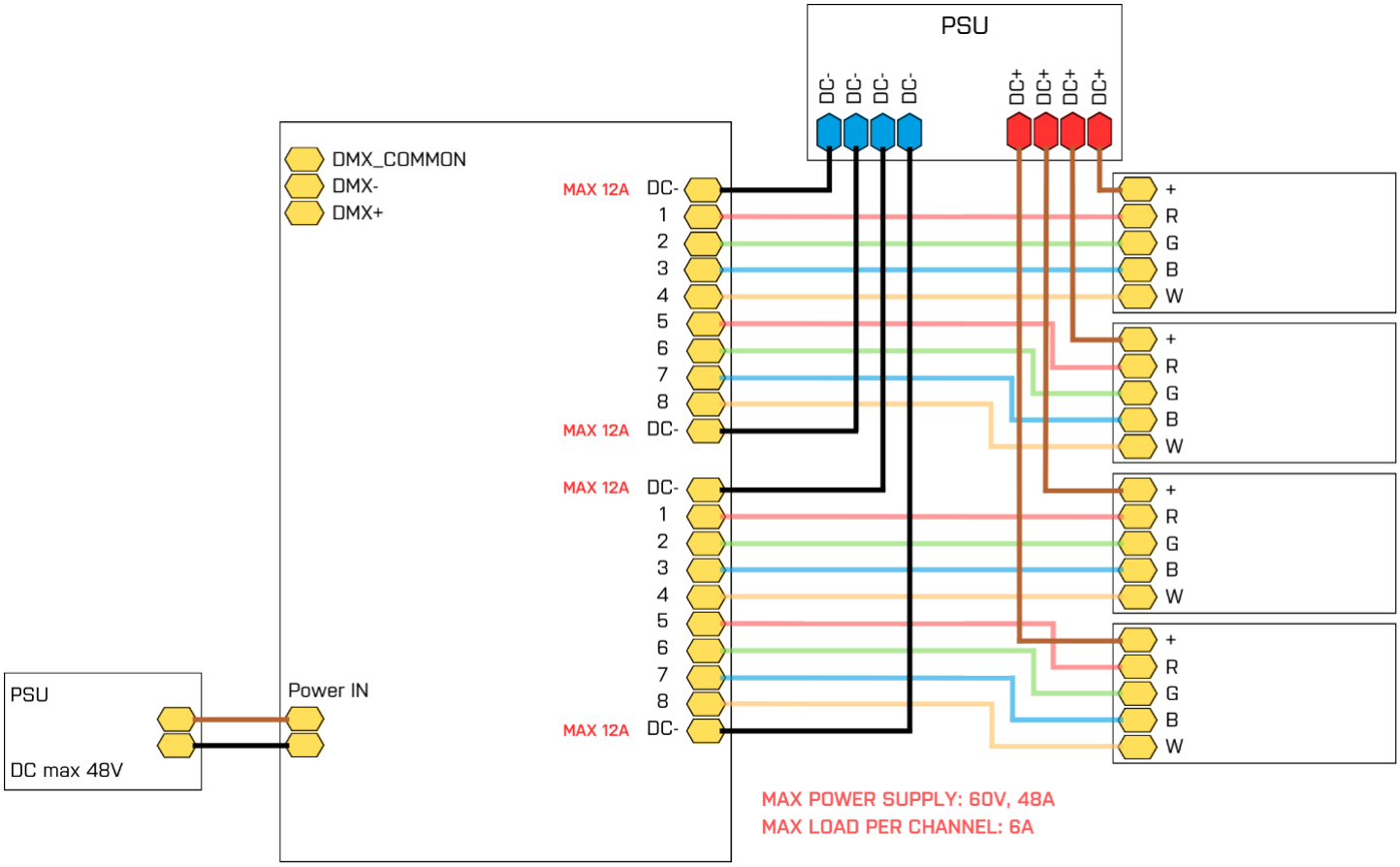


IMPORTANT NOTE:

MAX load per channel limit applies even if only one channel is being used.

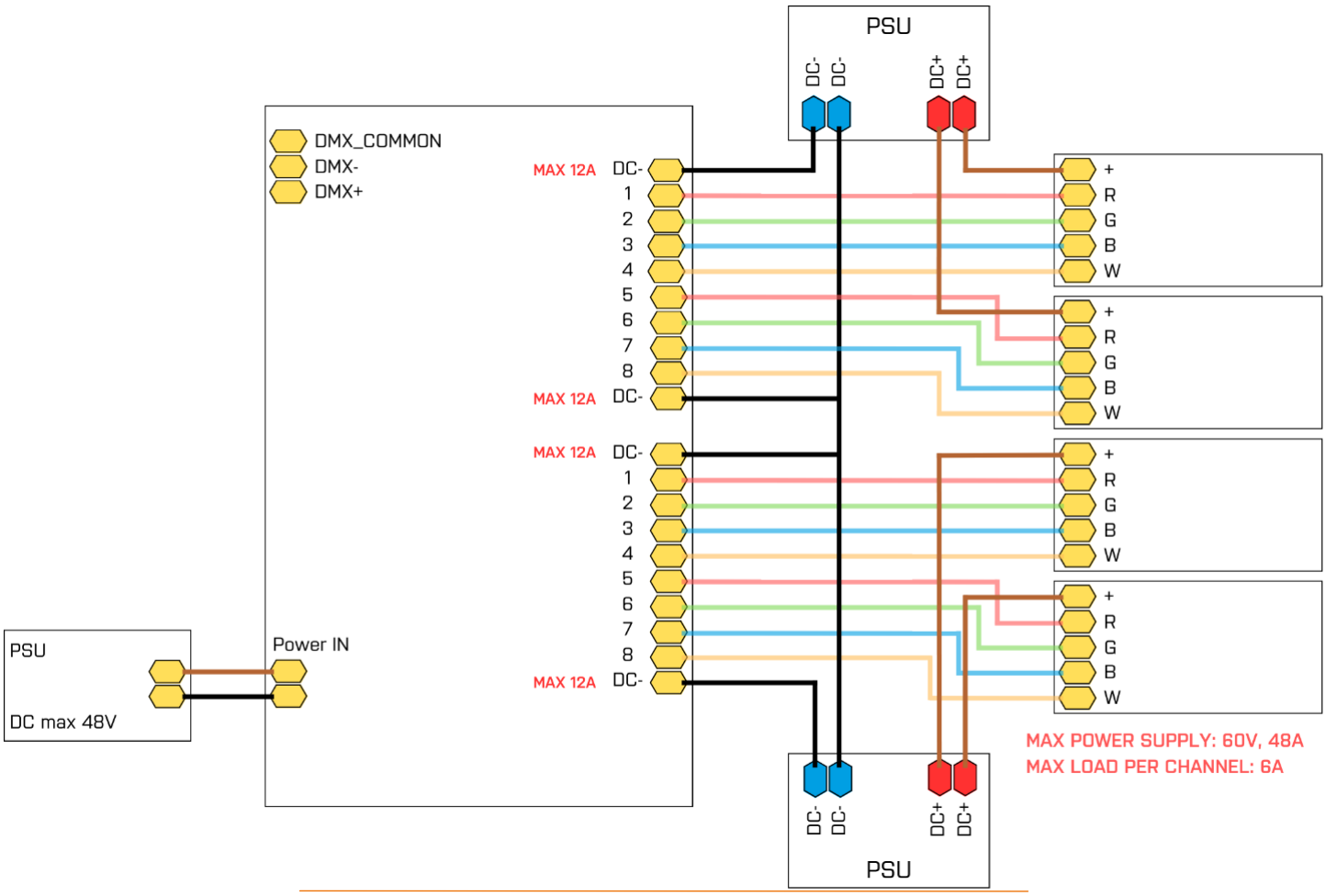
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4.2. EXTERNAL POWER SUPPLY SYSTEM



IMPORTANT NOTE:

MAX load per channel limit applies even if only one channel is being used.



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5. WARRANTY

This unit is covered by a two-year manufacturer's warranty. For information regarding extended warranty terms, please contact the manufacturer at sales@srs-group.com.

The warranty applies exclusively to original factory-installed components and ensures their correct operation under normal usage conditions.

The warranty shall be void under the following circumstances:

- ! Any original component has been tampered with or modified without authorisation;
- ! The equipment is operated outside of its intended or specified usage conditions;
- ! The electrical power supply does not meet required specifications;
- ! Mechanical damage is present, including damage caused by overload or improper use;

ADDRESS

SRS Group s.r.o.
Pri majeri 4
831 07 Bratislava
Slovakia

CONTACT DETAILS

Phone: +421 2 32661800
Email: sales@srs-group.com

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DECLARATION OF CONFORMITY

According to guidelines 89/336 EEC and 92/31 EEC:

Name of manufacturer:	SRS Group s.r.o.
Registered seat:	Pri majeri 4 831 07 Bratislava Slovakia

Declares that the product

Type: 16-channel DMX LED dimmer

Name: DTL16-DIN

Year of construction: 2025

Corresponds to the following harmonised standards:

EN 55032	Radiated and conducted emissions for multimedia equipment
EN 55103-2	Immunity to ESD, surges, and radio-frequency interference
EN 61000-4-2	Electrostatic discharge immunity
EN 61000-4-4	Electrical fast transients (EFTs)
EN 61000-4-5	Surge transients

DTL16-DIN is considered a component to be installed into final equipment. The final equipment must be re-checked for EMC and LVD directives compliance.

SRS Group s.r.o.
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Slovak Republic
IČO: 44529433
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Bratislava, 25. 7. 2025

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