LDDE
LIGHTING IDEAS

Lighting
Design
Development
Electronics

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SpectraDim 2CC
/750
/2000

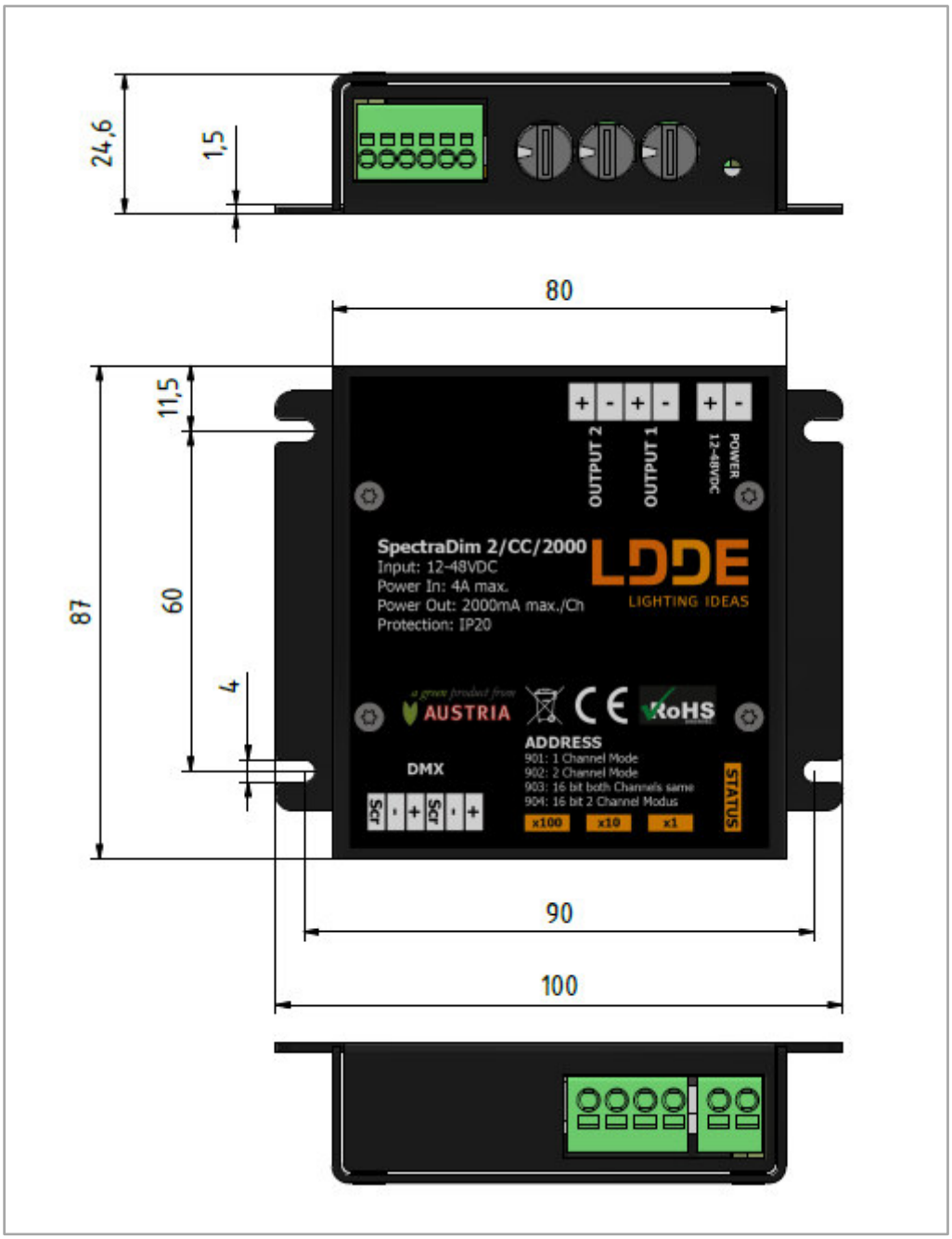
Manual



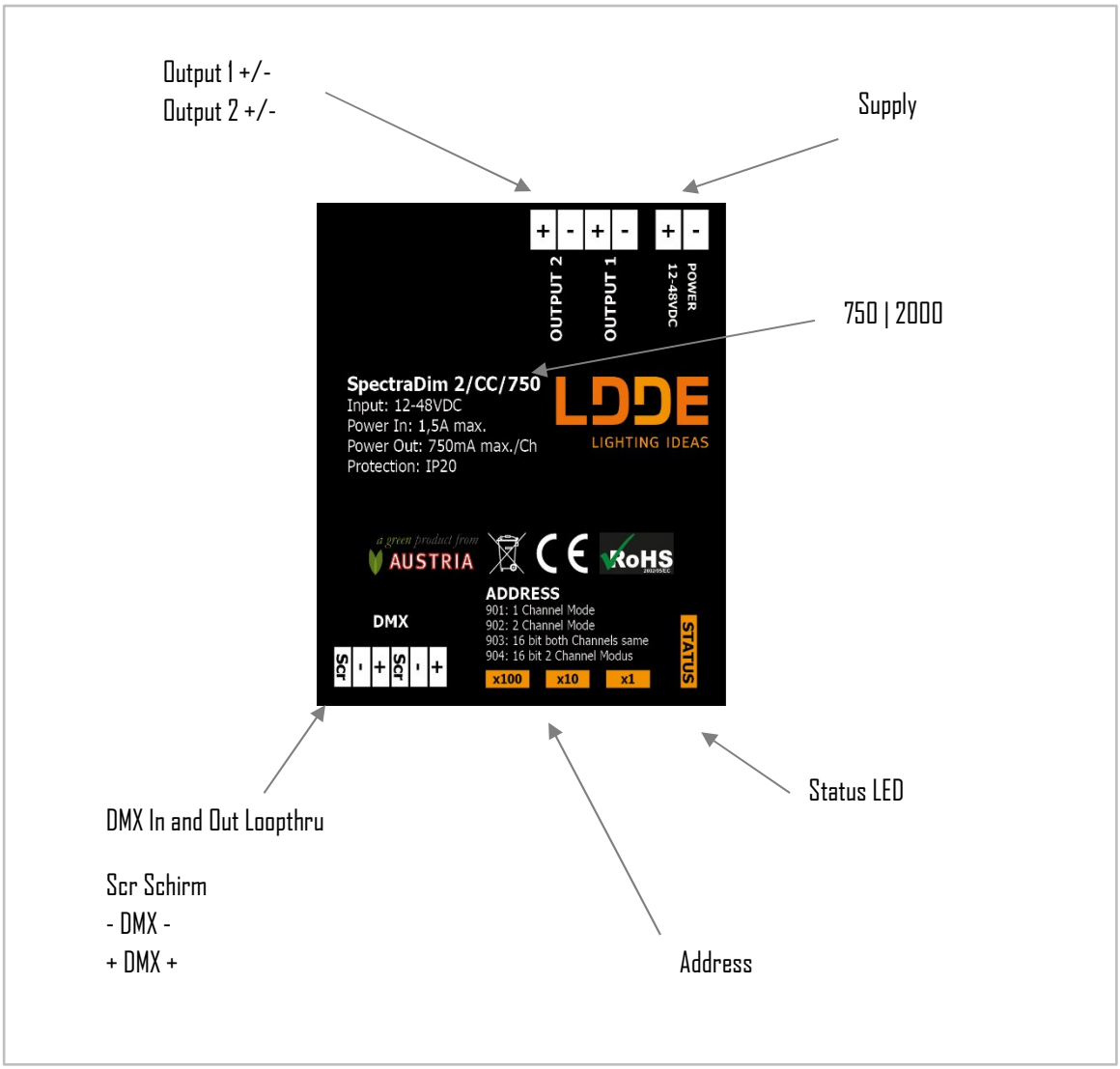
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Dimension


24,6
1,5
80
11,5
87
60
4
90
100
OUTPUT 2
OUTPUT 1
POWER
12-48VDC
SpectraDim 2/CC/2000
Input: 12-48VDC
Power In: 4A max.
Power Out: 2000mA max./Ch
Protection: IP20
LDDE
LIGHTING IDEAS
AUSTRIA
RoHS
ADDRESS
901: 1 Channel Mode
902: 2 Channel Mode
903: 16 bit both Channels same
904: 16 bit 2 Channel Modus
DMX
STATUS
x100
x10
x1

Connections



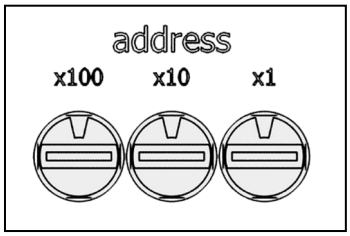
Addressing with BCD Switch

The DMX address is set using three BCD switches. Select the desired address using the BCD switches. If an invalid address is set, the internally stored address is used (programmable via remote).

Addressrange: 1 – 512

Example: DMX Channel 125

X100 = 1
X10 = 2
X1 = 5



Addressing via Remote (Option)

The device is set to start address 1 at the factory. A subsequent change can be made with the RemoteControl.

1. Connect the remote control to the dimmer.

2. Select the desired channel on the remote control with the arrow buttons and then press "send" twice.

3. If the addressing was successful, the status LED briefly flashes green.

Status LED

When the dimmer starts operation the status LED flashes according to the channel mode

Status Led at start of operation:

1x Green flash = 1 Channel Mode
2x Green flash =2 Channel Mode
3x Green flash = 1 Channel Mode 16 Bit
4x Green flash = 2 Channel Mode 16Bit

Status Led in Operation:

Green = DMX OK
Red = Kein DMX

Modes

The dimmer has a 1.2 channel mode with 8 bits and a 1.2 channel mode with 16 bits

DMX Hold Funktion

ON after 5 sec without DMX the outputs will be set to 0
OFF > the latest DMX Values will be hold till powerdown

1 Channel Mode - 1 DMX Channel

DMX 1 > Out 1, Out2

2 Channel Mode - 2 DMX Channel

DMX 1 > Out 1
DMX 2 > Out 2

1 Channel Mode 16Bit - 2 DMX Channel

DMX 1 > Out 1, Out 2
DMX 2 > Out 1 fine, 2 fine

2 Channel Mode 16 Bit - 4 DMX Channel

DMX 1 > Out 1
DMX 2 > Out 1 fine
DMX 3 > Out 2
DMX 4 > Out 2 fine

Configuration the modes with BCD Switches

DMX Hold OFF

1. Switch the supply **off**
2. BCD Switch to Address **801**
3. Switch Powersupply **on**
4. Sete DMX Address in operation
5. Dimmer is configured and operational

Switch on DMX Hold (Factory Default)

1. Switch the supply **off**
2. BCD Switch to Address **802**
3. Switch Powersupply **on**
4. Sete DMX Address in operation
5. Dimmer is configured and operational

1 Channel Mode 8Bit

1. Switch the supply **off**
2. BCD Switch to Address **901**
3. Switch Powersupply **on**
4. Sete DMX Address in operation
5. Dimmer is configured and operational

2 Channel Mode 8Bit

1. Switch the supply **off**
2. BCD Switch to Address **902**
3. Switch Powersupply **on**
4. Sete DMX Address in operation
5. Dimmer is configured and operational

1 Channel Mode 16 Bit

1. Switch the supply **off**
2. BCD Switch to Address **903**
3. Switch Powersupply **on**
4. Sete DMX Address in operation
5. Dimmer is configured and operational

2 Channel Mode 16 Bit

1. Switch the supply **off**
2. BCD Switch to Address **904**
3. Switch Powersupply **on**
4. Sete DMX Address in operation
5. Dimmer is configured and operational

PWM MODE PWM 8Khz

1. Switch the supply **off**
2. BCD Switch to Address **970**
3. Switch Powersupply **on**

PWM MODE NOPWM

1. Switch the supply **off**
2. BCD Switch to Address **971**
3. Switch Powersupply **on**

Configuration via Remote (Option)

Switch DMX Hold off

1. Send Address **801**
2. Status LED flashes short in green
3. Dimmer operational

Switch DMX Hold on

1. Send Address **802**
2. Status LED flashes short in green
3. Dimmer operationa
4. l

1 Channel Mode 8 Bit

1. Send Address 9**01**
2. Status LED flashes short in green
3. Dimmer operational

2 Channel Mode 8 Bit

1. Send Address **902**
2. Status LED flashes short in green
3. Dimmer operational

1 Channel Mode 16 Bit

1. Send Address **903**
2. Status LED flashes short in green
3. Dimmer operational

2 Channel Mode 16 Bit

1. Send Address **904**
2. Status LED flashes short in green
3. Dimmer operational

PWM MODE PWM 8Khz

1. Send Address **970**
2. Dimmer operational

PWM MODE NOPWM

1. Send Address **971**
2. Dimmer operational

Current setting

Can be adjusted during operation via the remote control.
Can only be set via the BCD when switching on.

The current dimmer is available in 2 versions – Low and High Current
After switching on the dimmer, the status LED flashes the color cyan as often as necessary.

	Low Current	High Current	Flashing Statusled
950	100mA	500mA	1x
951	200mA	700mA	2x
952	350mA	1000mA	3x
953	500mA	1500mA	4x
954	750mA	2000mA	5x

DMX High Current Variante

1. Switch the supply **off**
2. BCD Switch to Address **951** (700mA)
3. Switch Powersupply **on**
4. Dimmer is switched to 700mA and ready for use
5. Set DMX Adress

DMX High Current Variante

1. Switch the supply **off**
2. BCD Switch to Address **951** (200mA)
3. Switch Powersupply **on**
4. Dimmer is switched to 200mA and ready for use
5. Set DMX Adress

Technical Data

Dimension/Weigth

Length x Witdh x Height	100 x 87 x 24,6 mm
Weight	270g

Controll

Protocoll	USITT DMX 512

Electrical Data

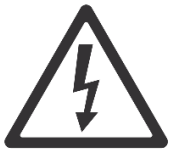
Supply Voltage	1x 12-48V DC
Supply Current	1x 4A max.
DMX Signal	USITT DMX 512
Protection Class	IP20
Output	max. 750mA / 2000mA / Channel
Modes	1,2 8Bit or 1,2 16Bit
PWM Resolution	16 bit Interpolated
Frequency	8kHz PWM (HDTV suitable)

Terminals

Power	0,5 to 2,5mm²
Output 1 +2	0,5 to 2,5mm²
DMX	0,2 to 1,5mm²
TYP	Spring Clamp

Safty Instructions









- The device is not suitable for outdoor use (IP10) and should therefore be protected from moisture and dirt.
- Never try to repair or dismantle the dimmer yourself. Opening or removing the inner covers could result in electric shock or other injury.
- If you have any problems, always contact an authorized LDDE sales partner or LDDE directly.
- Never reach into the device when it is in operation.
- Always unplug the dimmer from the mains before moving or cleaning it.
- Do not expose the dimmer to strong vibrations or impacts.
- Make sure that the dimmer is not covered to ensure adequate ventilation.
- Never insert objects into openings in the housing, as they can come into contact with live parts and cause short circuits. There is a risk of electric shock or fire.
- If it can be assumed that safe operation is no longer possible, the device must be put out of operation. This is true if:
    - The Splitter is visibly damaged.
    - Parts of the device are loose or loose.
    - connecting lines show visible damage.
- ▪ LDDE products are manufactured and supplied in accordance with Directive 2002/96 / EU of the European Parliament and the Council on waste electrical and electronic equipment (WEEE). Help to protect the environment, dispose of your old device at your local recycling collection point. Your dealer can give you further information on correct disposal.

Maintanence and Service

If you have any problems, please contact an authorized LDDE sales partner or LDDE directly.

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Warranty and Liability

The warranty for the device is 24 months. The guarantee includes the free correction of defects that can be traced back to manufacturing defects. Such defects are remedied exclusively by the manufacturer.

The warranty expires:

- Changes and attempts to repair the device by unauthorized persons.
- Damage caused by interference by third parties.
- Damage caused by failure to observe the operating instructions.
- Connection to wrong voltage.
- Incorrect operation or damage due to negligent or improper handling.

In particular, LDDE excludes any liability for damage to the device as well as consequential damage caused by unsuitability, improper construction, incorrect commissioning and use, as well as non-compliance with applicable safety regulations.