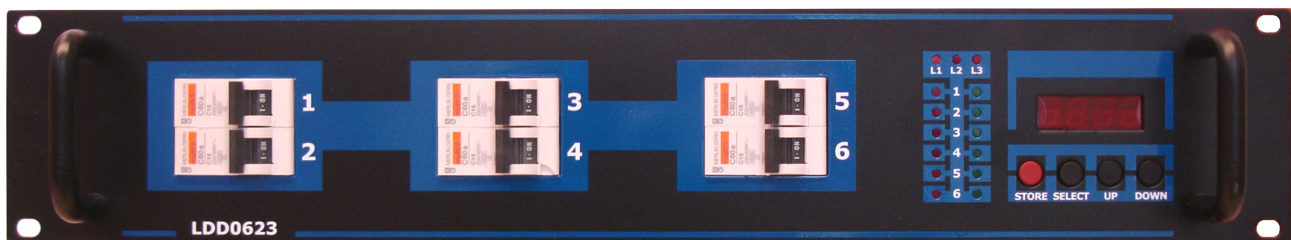


- **2300W output in each channel**
- **DMX 512 control**
- **DMX addressing per channel (Patch)**
- **Preheat**
- **Channel test**
- **heat controlled super silence ventilator**
- **Harting or Schuko output**
- **2U rack size**



Description

The LDD0623 is an 6 channel full digital dimmer. It is useful for controlling the light in small theaters , restaurants , buildings etc. In the user friendly menu it is possible addressing the DMX for each channel.(Patch). Whit the preheating function we are able to fine dimming from the beginning also when the lamp filament is cold. The test function give the possibilities to check the connected luminaries without the controller. Thanks to the internal heat lookout controlled ventilators the function of the equipment is silence.

Technical parameters

Power

Power Supply:	3x400V Phase+Neutral+Earth, AC ±10%
Frequency:	50Hz ± 5%
Power:	5W (Stand-by)

Outputs

Power Outputs:	2300W/channel
Output Connections:	Harting or Schuko

Inputs

Power Input:	Cable fitting + internal connector strip (3 phase + neutral + earth)
Digital Input:	DMX 512/1990
Connector:	5p. XLR

Physical

Size:	483 x 320 + 30(handle) x 88 mm (19", 2U)
weight:	8 kg

General instructions to Dimmer LDD0623

Read the instruction manual carefully before using the device.

The manual provides information about the installation and usage of the device.

The instruction manual should always be kept next to the device.

When the device is sold, lent or hired the instruction manual should be kept at hand.

WARNING!

- **DO NOT PLACE** any flammable substance or water near the device.
- If any liquid gets in the device, it must be switched off immediately and unplugged from the mains.
- If there occur any program failure during usage, the device must **IMMEDIATELY BE SWITCHED OFF**. Contact your dealer or service to have your device mended.
- **DO NOT OPEN** the device - only special parts and components can be found inside, which may only be replaced by qualified persons.
- **DO NOT TRY TO FIX** the device by yourself – repairing only by qualified technicians.

PRECAUTIONS:


- **DO NOT LEAVE** the packing material (plastic bags, polystyrene etc.) within the reach of children.
- Check the device after unpacking whether it is damaged. If you find any damage **DO NOT USE** the device and immediately contact your dealer.
- The device may only be used and installed by qualified persons.
- The device may only be used for its designed purpose and should be kept away from unqualified persons.
- **NEVER USE THE DEVICE:**
in high humidity circumstances,
outdoors in stormy weather,
in surroundings where the temperature is higher than 45 °C or lower than 2 °C.
in too dry or humid places (ideal conditions : between 35% - 80% humidity)
- **DO NOT FIX OR REPLACE** the components of the device. Contact your service when needed.

INSTALLATION:





- unpack the device
- inspect of the device
- connect loads (fixtures) to the dimmer unit
- connect the controller board/device to the dimmer
- connect the dimmer unit to the supply network (mains)
- Switch on the device and the lighting controller, and make the required adjustments of the dimmer
- Dismounting: in reverse order

Operation of LDD0623 dimmer

SIGNS AND CONTROLS OF THE CONTROLLING UNIT LDD0623

GREEN LED 1-6	The green LED-s indicate the selection or the control of the channels 1-6
RED LED 1-6	The red LED-s indicate the output of the channels 1-6
DISPLAY 	Numerical Led display of 7 digits
STORE, SELECT, UP, DOWN	Mode switch buttons
L1 L2 L3	Incoming household power indicator

DEFAULT DISPLAYS

GREEN LED 1-6	Light proportional LED of input control. Light proportional signal of the adjusted pre-heating level.
RED LED 1-6	Show the output of the dimmer. Without load the led light continuously.
DISPLAY 	The section of the middle flashing: NO DMX512 SIGNAL!
DISPLAY 	The upper section light continuously: The ventilator switched on because the internal temperature arrived to necessary starting temperature.
DISPLAY 	Normal DMX address
DISPLAY 	In the patch addressing mode the address of the unit. (only is necessary to sign the unit)
L1 L2 L3	The three-current-phase display is continuously ON: THE DEVICE IS CONNECTED TO THE LIVE MAINS

CAUTION: It's a possible have a voltage in the output without controlling, because a internal filtering circuits!

SETTING POSSIBILITIES

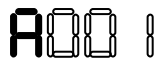
1. ADDRESSING SETTINGS-----	A888	P888	PU88
2. PREHEAT SETTINGS-----	PH88		
3. INTERNAL TEMPERATURE-----	C088		
4. TEST-----	Ct88		

With the **SELECT** button we are able to step between the points of the menu.

1. SETTING THE DMX ADDRESS

1.1 SETTING THE BASIC DMX ADDRESS-----	A888
1.2 UNIT DMX ADDRESS SETTING ----- Don't have function. Only identify the dimmer when patch addressing.	PU88
1.3 PATCH ADDRESS SETTING----- Setting the DMX address for each channel	P888

Select the addressing mode is possible after select any addressing mode, it's possible whit the **UP/DOWN** buttons

1.1 THE DMX ADDRESS SETTING:


- ▶ **STORE** after pressing the button the actual digit blinking in the display.
- ▶ **UP/DOWN** by pressing this button is possible to adjust the address.
- ▶ **SELECT** by pressing this button we can select between the adjustable numbers.
- ▶ **STORE** with the repeated pressing of this button we store the address selected.
- ▶ **SELECT** whit this button we can go to the main menu.

1. UNIT ADDRESS SETTING:

(Don't have function . Only identify the dimmer when patch addressing!)



- ▶ The 6 green LED-s of the control signal blinking.
- ▶ **STORE** after pressing the button the actual digit blinking in the display.
- ▶ **UP/DOWN** with this button is possible to adjust the address of the unit.
- ▶ **STORE** whit the repeated pushing this button we store the address selected of the unit.
- ▶ **SELECT** by pressing we can go to main menu.

1.3 PATCH ADDRESS SETTING:


- ▶ **UP/DOWN** we select the wanted channel. The green LED of the selected channel is blinking.
- ▶ **STORE** pressing that the address of the selected channel blinking.
- ▶ **SELECT** pressing that we select the blinking number which we like to setting.
- ▶ **UP/DOWN** we set the address.
- ▶ **STORE** pushing that we store the DMX address.

ATTENTION!! The normal DMX Address and the patch addresses are stored separately. The type of the addressing method define the used address .

2. SETTING THE PREHEAT

- | | |
|---|-------|
| 2.1 SWITCH OFF THE PREHEAT -----
THE GREEN LEDS DON'T LIGHTING | PH-- |
| 2.2.1 SWITCH ON THE PREHEAT FOR ALL CHANNELS ----- | PH 10 |
| 2.2.2 SETTING THE PREHEAT FOR ALL CHANNELS -----
THE GREEN LEDS IS BLINKING | |

We can select between the preheat settings whit the **UP/DOWN** buttons.
 We can set the preheat tension between 1-100%.

2.1 SWITCH OFF OF THE PREHEAT:

PH--

- ▶ **UP/DOWN** by pushing we can select the switch off of the preheat.
 The green LED-s no blinking and no value on the display.
- ▶ **SELECT** by press we can go to next step in the menu.

2.2.1 SWITCH ON THE PREHEAT FOR ALL CHANNELS:

PH 10

- ▶ **UP/DOWN** by press we select all of the channels.
 The green LED-s of all channels blinking. On the display we can see the actual preheat value .
- ▶ **SELECT** by press we go to next step in the menu.

2.2.2 PREHEAT SETTING FOR ALL CHANNELS:

PH 

- ▶ **UP/DOWN** by press we select all of the channels.
- ▶ **STORE** by press the actual preheat value blinking.
- ▶ **UP/DOWN** by press we set the new value.
- ▶ **STORE** by press again we store the new value.
- ▶ **SELECT** by press we can go to next step in the menu.

3. TEMPERATURE CONTROL

The LDD 0623 dimmer include an temperature controlled ventilator system and possibility to see the actual internal temperature value.

[088

- ▶ **SELECT** by press we select the temperature menu.

4. CHANNEL TEST

In this function we have choice to give an preset tension for any selected or all of the channels.

[t88

- ▶ **UP/DOWN** by press we select the channel.
 The green Led of the selected channel is blinking.
- ▶ **STORE** after press the value of the test blinking.
- ▶ **UP/DOWN** by press we can set the output value of the test.
- ▶ **STORE** by press we can store the actual value of the test.
- ▶ **SELECT** by press we can go out without storing.

USEFUL INFORMATIONS OF THE DIMMER LOGEN LDD0623

The LDD0623 Dimmer is digital !

What does it mean in practice that a dimmer is digital?

- Digital dimmers develop the DMX-512 signals by microprocessors, and control triacs directly through optical couplers.

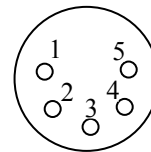
Which dimmer have DMX/analogue converter is not digital!

- With digital dimmers you may receive exactly the same result at the outputs over several hundred dimmer channels at time.
- Digital dimmers – as opposed to analogue ones - do not require adjustment maintenance, and do not have components that may become out of setting by temperature or humidity change.

THE CONNECTORS OF LDD0623 DIMMER

DMX In connectors:

1. Common
2. – Data
3. + Data
4. not used
5. not used



Wieland connector pins:

pin	function	pin	function
1.	1 channel phase	9.	1 neutral
2.	2 channel phase	10.	2 neutral
3.	3 channel phase	11.	3 neutral
4.	4 channel phase	12.	4 neutral
5.	5 channel phase	13.	5 neutral
6.	6 channel phase	14.	6 neutral
7.	earth	15.	earth
8.	earth	16.	earth

