## Control device for the DMX-512A bus

The DMX controller LCN-DMXH controls 4 DMX channels, e.g. RGBW control gears. it is installed on the DIN rail and can be operated using LCN-modules with firmware 170205 (Feb. 2013) or after.

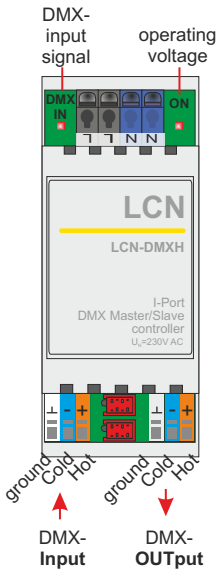
Thanks to its DMX input, the LCN-DMXH can be looped into an existing DMX cable. It will then insert ist 4 dimming values into 4 (adjustable) DMX-addresses. In this way it is possible to switch several LCN-DMXH´s in series, to be able to control 8, 12, ... channels.

### Funktion

The LCN-module delivers the brightness values of its electronical outputs to the LCN-DMXH over the I-Port. The LCN-DMXH converts these values appropriately to the free configurable DMX-channels. see page 2.

### Scope of delivery

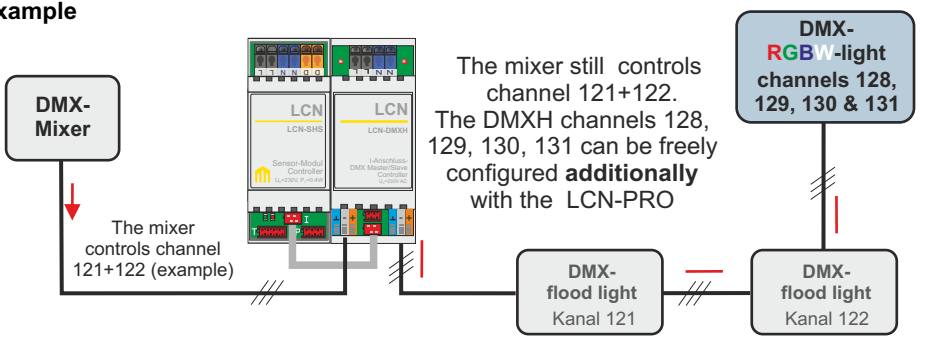
LCN-DMXH & I-port connecting cable



**Initial operation**

Activate the settings „Dimmer on the I-Port“ under Ports using the LCN-PRO version 5 or later. The LCN-DMXH will then send to the DMX-channels 1,2,3,4. With the LCN-PRO you can define any other of the 512 addresses as sending addresses.

**Example**




When a DMX-signal is received, the LED 2 “DMX IN” will light up.

The DMX channels that are being controlled from the light mixer console will be passed through 1:1 from the LCN-DMXH. The LCN-DMXH however, replaces “its” 4 channels of brightness through the values of the LCN outputs 1-4.

### Taking over DMX values

When a DMX source is connected, up to 4 DMX-channels can be read out in LCN variables (value range 0-255). To do this you must choose the DMX-channels per LCN-PRO, and then assign the variables. By means of thresholds or regulators , these values can be altered in the LCN module.

### Notes

When a DMX source is connected, up to 4 DMX-channels can be read out in LCN variables (value range 0-255). To do this you must choose the DMX-channels per LCN-PRO, and then assign the variables. By means of thresholds or regulators , these values can be altered in the LCN module.

When you control an LCN dimming output (e.g. regulator) over the DMX value in a variable, this control will follow 1-2 s delayed. The same goes for relayswhen they are conrolled over e.g. thresholds.
On the I-Port, an LCN-GT4D/-GT10D should not be operated at the same time, or a DALI/DSI signal given out - when dimming the brightness could spring.

A terminal resistor (120 Ω terminated) must be plugged when using long DMX cables.

The DMX connections (In & output) are galvanically isolated from the I-Port and separated om the main power.

If you have any questions, the please contact our hotline under +49 5066 998844

## Technical data:

**Input**

| | |
|---|---|
| input voltage: | 230V AC ±15%, 50/60Hz (110V AC available) |
| power consumption: | 3W |
| terminals/wire type: | screwless, solid max. 2,5mm² or fine wire with wire end sleeves max 1,5mm² loop through current max. 16A |

**Output**

| | |
|---|---|
| output voltage: | according to DMX-512A specification, interface terminaled |
| terminals/wire type: | solid or fine wire 0,5-1,5mm² |
| amount DMX-participants: | max. 32 all together |

**Installation**

| | |
|---|---|
| operating temperature: | -10°C to +40°C |
| air humidity: | max. 80% rel., non condensing, protection art IP20 |
| environmental conditions: | use in stationary Installation according to VDE632,VDE637 |
| dimensions/installation: | 38mm (2HP) x 92mm x 66,5mm / on DIN-rail 35mm (DIN50022) |