DMX-Address module with LED-Display

User Manual

DMX 4 ALL ®

For your own safety, please read this user manual and warnings carefully before installation.

Content

Description

The DMX-Address module with LED-Display is a helpful additional module which is grinded in the DMX-Line.

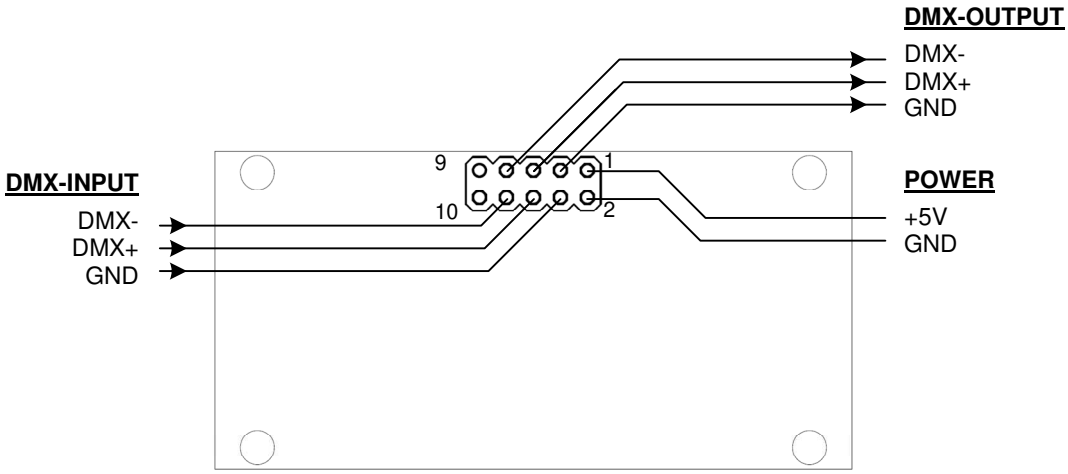
The DMX-Channels can be shift up as well as down within the DMX-Universes (shiften).

The usage occurs via two buttons. The operation mode as well as the value (DMX-Address) can be adjusted.

Data sheet

Power supply:	5V DC / 50mA	
DMX-Input:	512 Channels	
DMX-Output:	up to 512 Channels	
DMX-Output LOAD:	Driver for 32 devices (LOAD-UNITs)	
Signal delay:	ca. 0,1µs	(Address-Mode / Shift-Down)
	ca. 25ms	(ChannelAdd-Mode / Shift-Up)
Board dimensions:	60mm x 30mm	

Connection



View from back

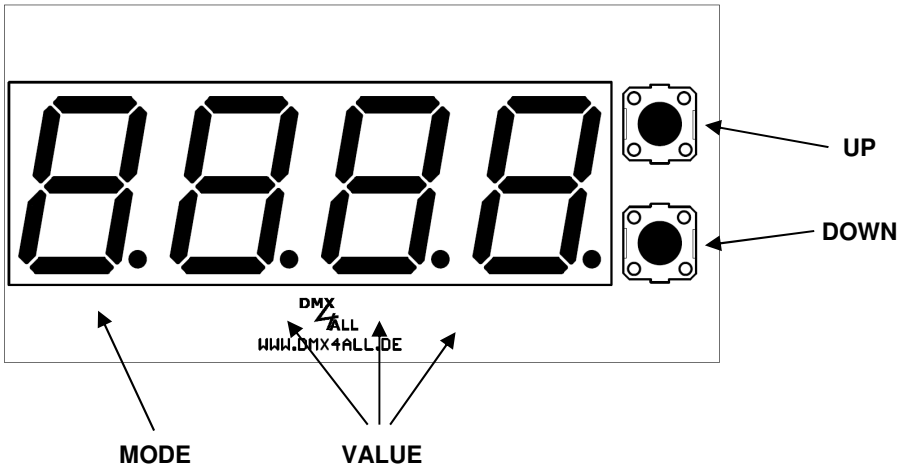
PIN	FUNCTION	PIN	FUNCTION
1	+5V	2	GND
3	GND	4	GND
5	DMX+ OUT	6	DMX+ IN
7	DMX- OUT	8	DMX- IN
9	---	10	---

Set the Operation Mode

The DMX-Address module with LED-Display serves two operation modes.

Within the Address-Mode the DMX-Channels are shifted down in the DMX-Universe. Within the ChannelAdd-Mode the DMX-Channels are shifted up in the DMX-Universe.

Switching between the two operation modes occur by pressing and hold DOWN and additional pressing UP.



The adjusted operation mode MODE is displayed as A for Address-Mode and C for the ChannelAdd-Mode.

The setting is loged within the internal storage after ca. 30 seconds, so it is not lost by shut down the device.

Address-Mode (SHIFT-DOWN)

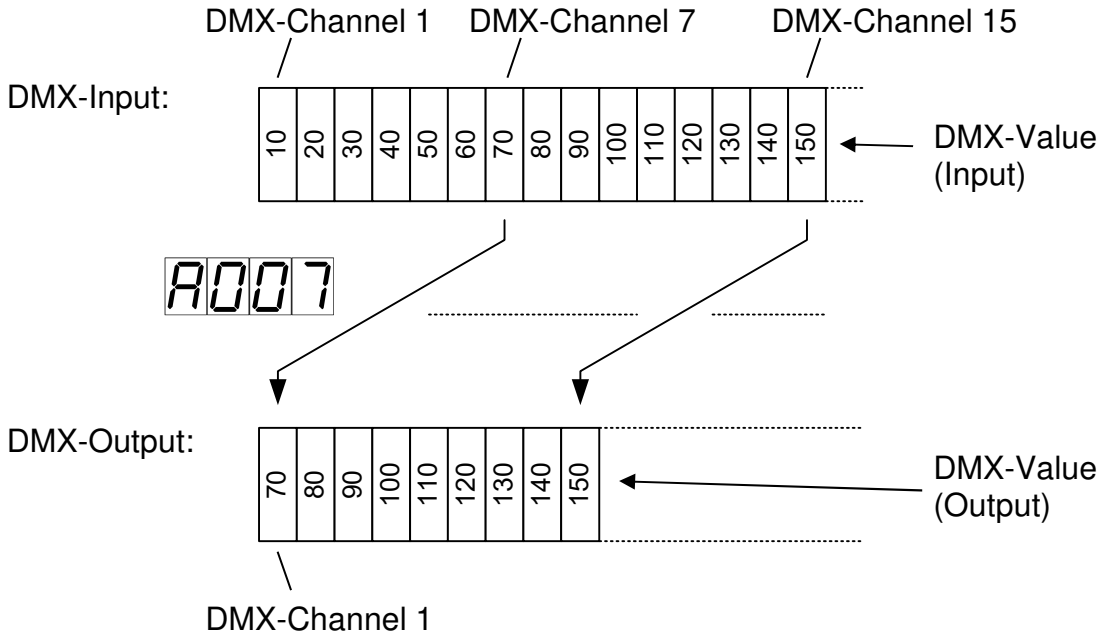
Within the Address-Mode DMX-Channels are shifted down within the DMX-Universe. The operation mode is signalled with A at the display.

Please press UP and DOWN to set the value range between 1 and 512.

The setting is loged within the internal storage after ca. 30 seconds, so it is not lost by shut down the device.

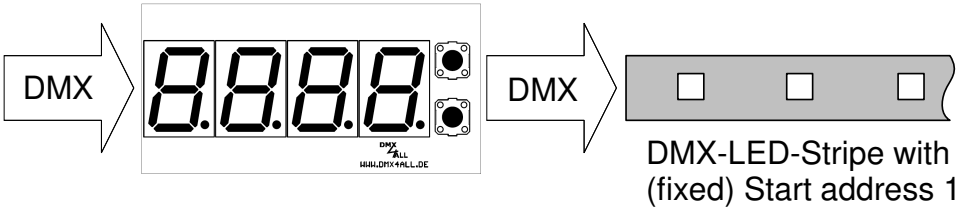
The DMX-Channels of the DMX-Input are shifted down of the set value less 1 and replayed at the DMX-Output.

Example



Application example

In the Address-Mode the start address can be adjusted of a connected device. E.g. a LED-Stripe. Therefore the devices start address must be set on 1.



ChannelAdd-Mode (SHIFT-UP)

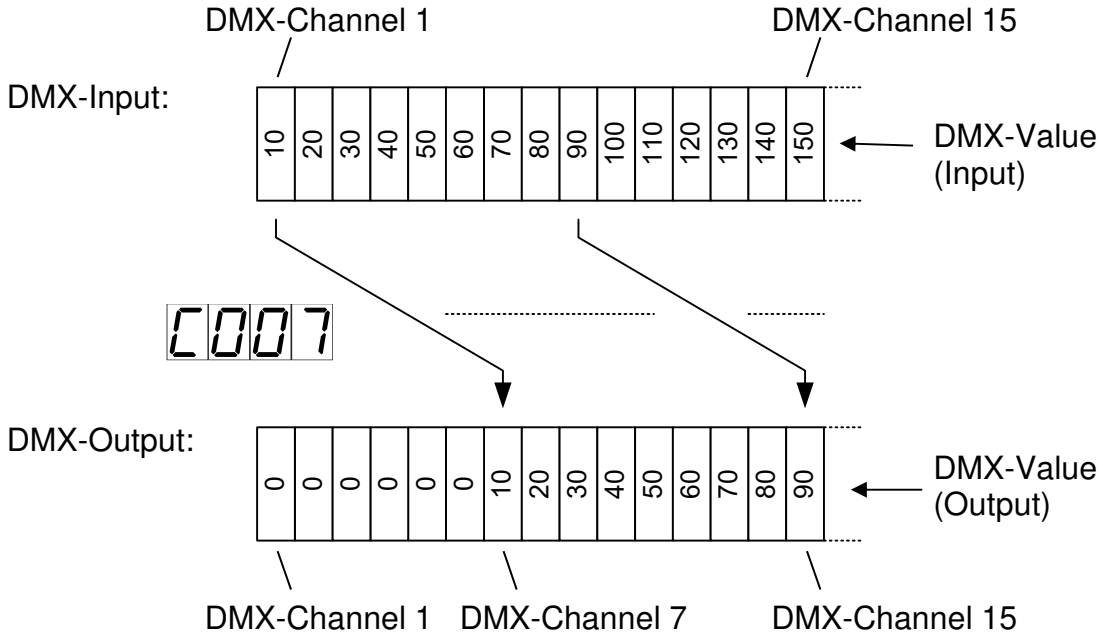
In the ChannelAdd-Mode the DMX-Channels in the DMX-Universe are pushed upwards. The operation mode is displayed with C .

Pressing UP and DOWN the value is adjusted in a range between 1 up to 512.

The setting is loged within the internal storage after ca. 30 seconds, so it is not lost by shut down the device.

The DMX-Channels of the DMX-Input are shifted up of the set value less 1 and replayed at the DMX-Output.

Example



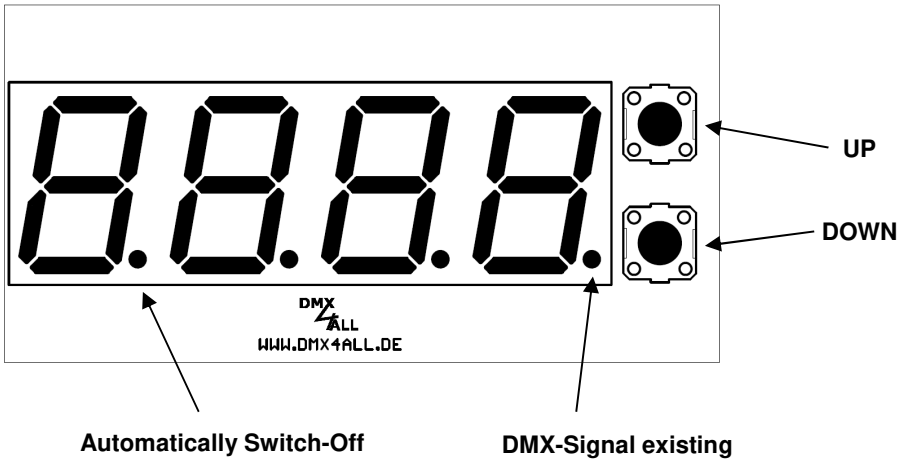
Automatically Display Switch-Off

The DMX-Address module with LED-Display serves the setting to switch off the display automatically after ca. 10 minutes from the normal operation mode.

During the normal operation mode the DMX-Signal must be connected meanwhile and it is not allowed to use any button.

As soon as the DMX-Signal is lost or a button is used the display is switches on again.

The activation / deactivation occur by pushing and hold UP and then pushing additional DOWN.



The activation of the automatically switch-off is signalled with a permanent lighting point. If the point is not lighting so the automatically switch-off is deactivated and the display doesn't shut down.

The setting is loged within the internal storage after ca. 30 seconds, so it is not lost by shut down the device.

DMX-Signal Display

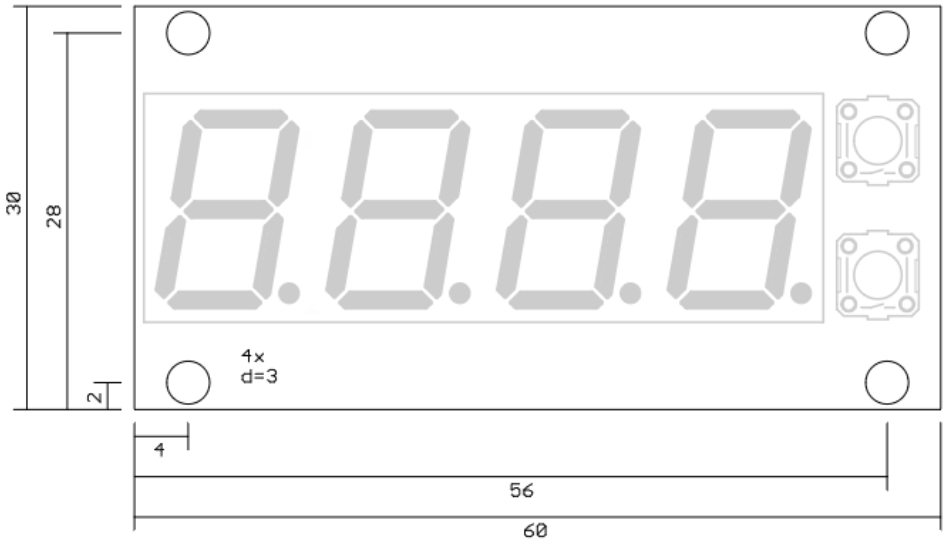
The DMX-Address module with LED-Display shows via the right point at the Display if a DMX-Signal is available at the entry.

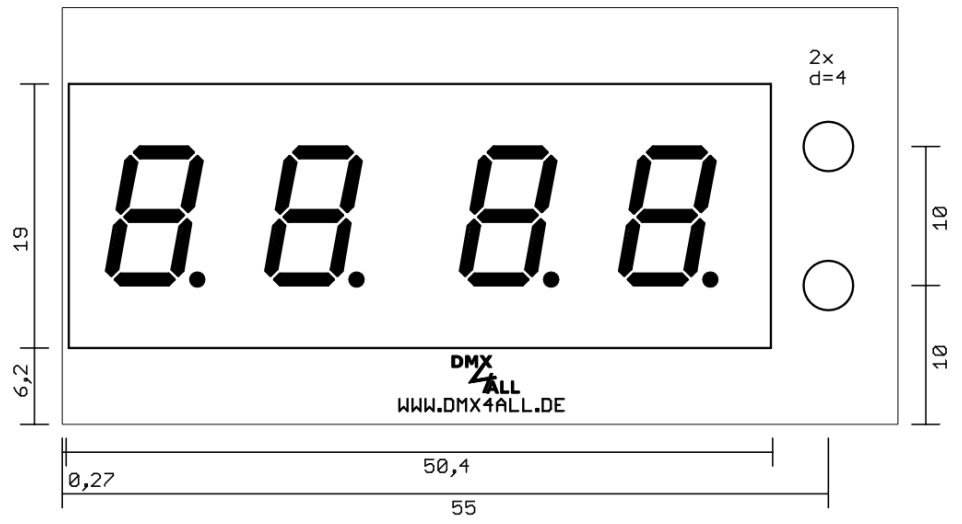
DMX-Signal available

If point „DMX-Signal available“lights, the DMX-Signal is recognized at the DMX-Entry.

If point „DMX-Signal available “doesn’t lights, no DMX-Signal is available at the DMX-Entry.

Dimensions

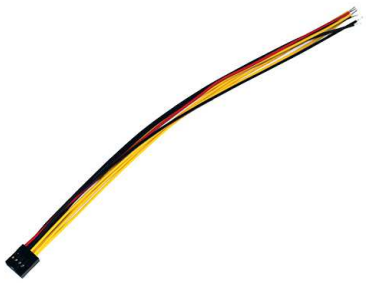




All details in mm

Accessoires

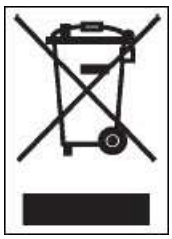
Cable set D for DMX-Address module
Art.-No.: 11-2024



CE-Conformity

This assembly (board) is controlled by a microprocessor and uses high frequency. In order to maintain the properties of the module with regard to CE conformity, installation into a closed metal housing in accordance with the EMC directive 2014/30/EU is necessary.

Disposal



Electronical and electronic products must not be disposed in domestic waste. Dispose the product at the end of its service life in accordance with applicable legal regulations. Information on this can be obtained from your local waste disposal company.

Warning

This device is no toy. Keep out of the reach of children. Parents are liable for consequential damages caused by nonobservance for their children.

Risk-Notes

You purchased a technical product. Conformable to the best available technology the following risks should not excluded:

Failure risk:
The device can drop out partially or completely at any time without warning. To reduce the probability of a failure a redundant system structure is necessary.

Initiation risk:
For the installation of the board, the board must be connected and adjusted to foreign components according to the device paperwork. This work can only be done by qualified personnel, which read the full device paperwork and understand it.

Operating risk:
The Change or the operation under special conditions of the installed systems/components could as well as hidden defects cause to breakdown within the running time.

Misusage risk:
Any nonstandard use could cause incalculable risks and is not allowed.

Warning:
It is not allowed to use the device in an operation, where the safety of persons depend on this device.

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