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IZI-Link DMX Interface

The IZI-Link DMX interface is needed to setup an IZI-Link system. An IZI-Link system utilises powerline communication to transmit data over a low power voltage network, allowing you to control, monitor and configure each IZI-Link enabled product.
This technique eliminates additional control wiring to IZI-Link enabled LED-spots and LED-drivers which make the installation more reliable and easy to install. The IZI-Link system can easily be scaled into a larger network by adding IZI-Link interfaces.

The IZI-Link DMX Interface is controllable through DMX-512 and has 4 additional galvanically isolated contact inputs to override DMX-control for use as emergency contacts or local control switches.

Features

High power
480 Watt

Simple installation
2 Wire cable for power and data

Commisioning
Remote configuring

Emergency contact
System override contact inputs

Technical specifications

Power	Input voltage:	48VDC
	Output voltage:	48VDC (IZI-Link)
	Output power:	Max. 480W
	Current output:	Max. 10A
Control	Control in/out:	DMX-512 / 1990 galvanically isolated
	Dry contact input:	4 galvanically isolated
Miscellaneous	Housing:	DIN-rail (4 module width)
	Input connector:	Print connector
	Screw terminal power connections:	Max. 2,5mm²
	Screw terminal DMX-512:	Max. 1,5mm²
	Screw terminal dry contacts:	Max. 1,5mm²

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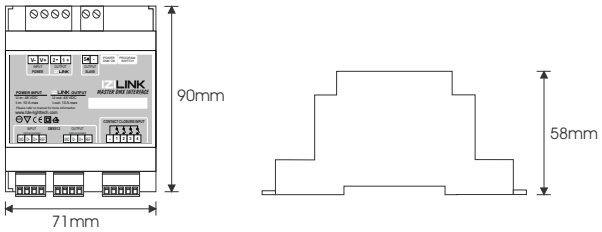
Dimensions



Wiring

Use min 90°C supply conductors when connecting to the IZI-LINK DMX interface

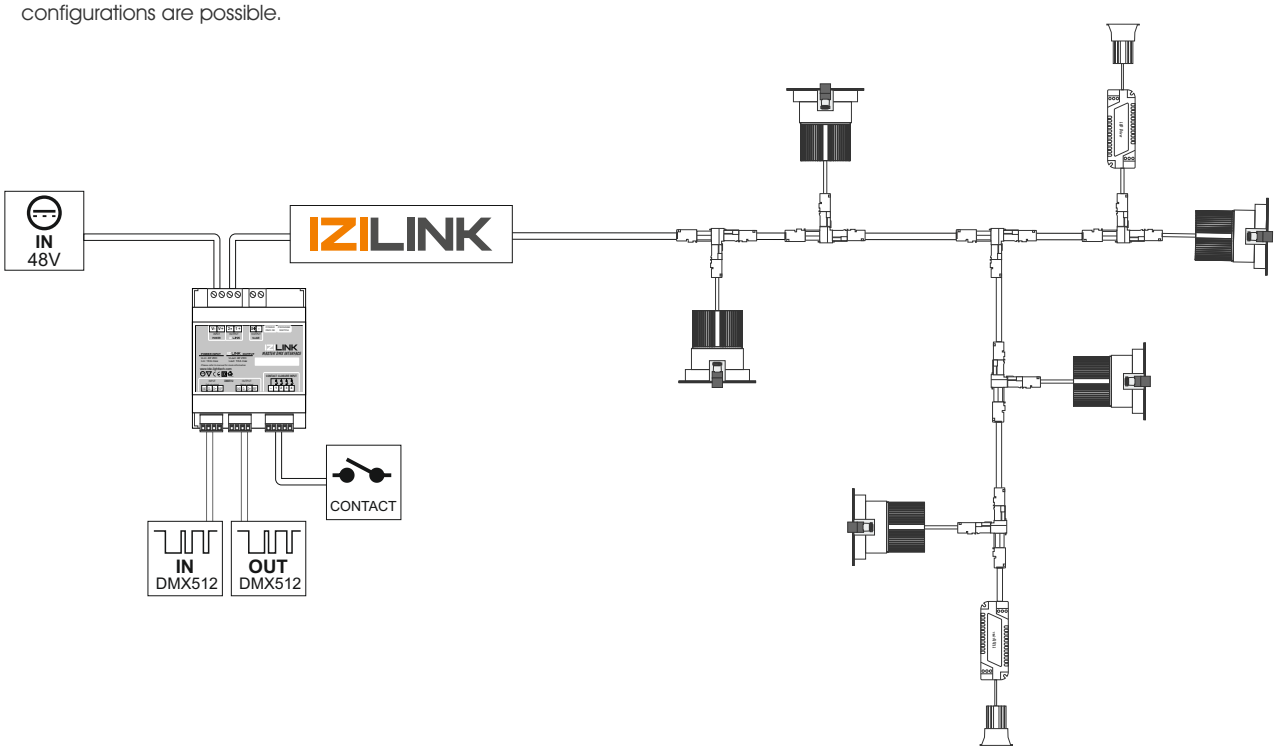
Only use power supplies which can deliver a constant dc-voltage of 48VDC

Order Code

IZI.IF.DMX - IZI-Link DMX inferface; 48VDC; Max 10A; Din rail
CAB.USB.IZI-LINK - USB to IZI-link programmer cable

System overview

A simple overview of an IZI-Link system is shown below. An IZI-Link system is easily scalable, the below shows only a basic system, countless other configurations are possible.



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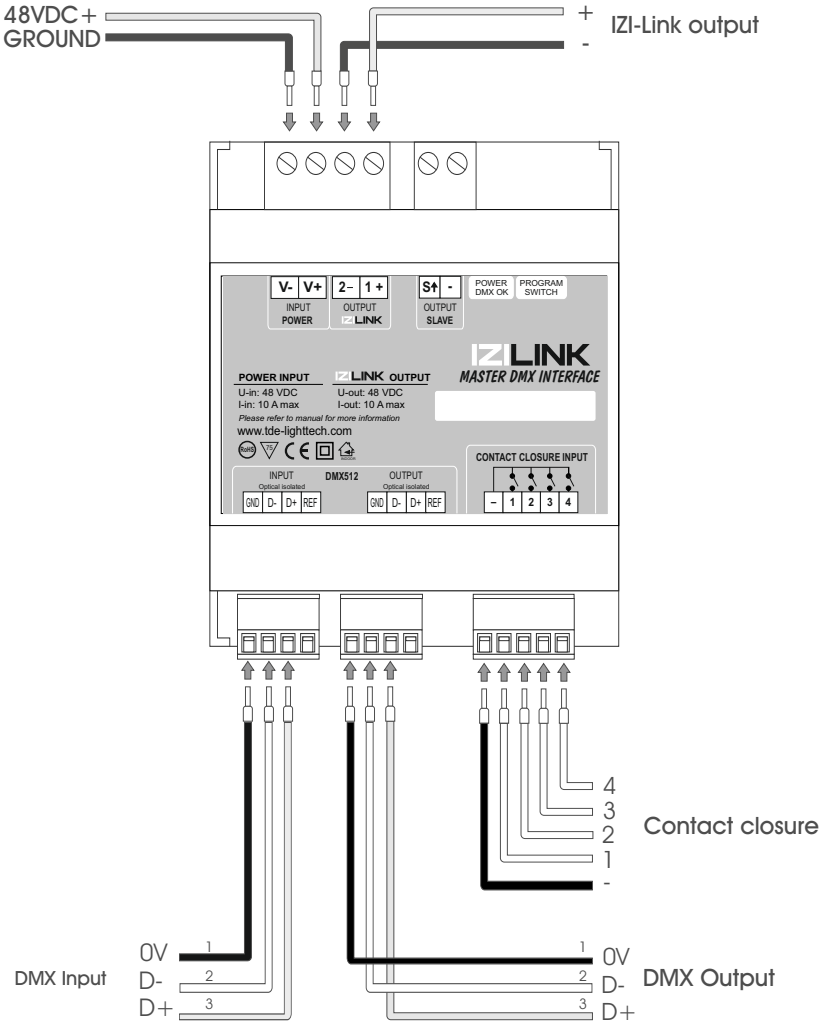
Wiring diagram



LED indication

Identify mode
The Identify mode on the IZI-manager allows identification of each individual fixture/interface.

Test mode
When in test mode, the DMX interface sends out value 255 (100%) to all channels on the IZI-Link Master DMX interface.

Protect mode
The IZI-link DMX interface will go into protect mode when either, too many load is detected or a power surge has occurred.

Status	LED	Behaviour
Power ok, No data	Red	On
	Green	Blink
Power ok, Data reception	Red	Off
	Green	Blink
Protect mode	Red	Blink
	Green	-
Identify/Test mode	Red	Toggle
	Green	Toggle

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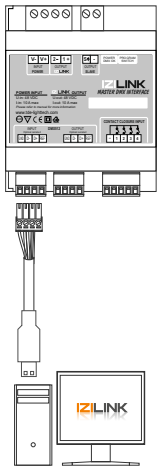
Commisioning

All products need to be powered and connected to an IZI-Link DMX interface, DMX splitter or directly on the DMX input of a fixture in order for any configurations can be made.

The IZI-Link manager and IZI-Link network are connected through the USB to IZI-Link programmer.

The USB to IZI-Link programmer cable needs to be connected to a computer and the DMX512 input of either the IZI-Link Master DMX interface, Splitter or directly on the fixture. When multiple IZI-Link products are connected together make sure to connect to the first IZI-link driver.

Single IZI-Link driver



Multiple IZI-Link drivers