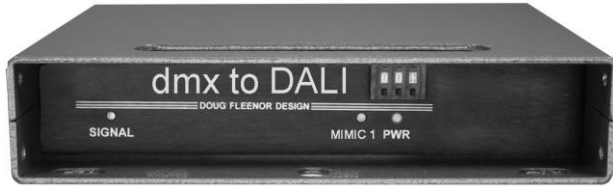# DMX512 to DALI
model: DMX2DALI
technical data sheet

The DMX2DALI interface has an opto-isolated DMX512 input and two DALI output ports. Each output port is capable of individually addressing 64 DALI devices. There are also modes to allow for single channel control of all ballasts (broadcast mode), standalone operation, and a simple fixture addressing facility.

The DMX512 input is received via three-position two-part terminal block connector. The DALI protocol is output is via three-position two-part terminal block connectors. LED indicators display DMX input signal, power and a Mimic of channel one. A three-digit thumbwheel switch is provided to set the starting address.

A test feature allows bringing any output to full by setting the front panel switch to 601-728.

The first DALI port can be used to set fixture addresses by powering up the interface set to address 901-964. Fixtures to be addressed are identified by "physical selection" (removing a lamp).

When 1 channel broadcast mode is selected, all fixtures respond to the DMX address set on the interface.

## SPECIFICATIONS:

Input signal: 250 Kilobaud, 0.2 volts minimum, 12 volts maximum

Input circuit: Opto-isolated and ESD protected EIA-485 transceiver (LT1785)

Input connector: Three-position two-part terminal block

Option jumpers:

| | | INSTALLED | REMOVED |
|---|---|---|---|
| JP1 | | DMX times out in 1 second **(Default)** | Hold last look |
| JP2 | | Normal addressing **(Default)** | 1 channel broadcast mode |
| JP3 | | Unused | Unused |

Output circuit: DALI compliant 16V (nominal) 250ma

Output connectors: Three-position two-part terminal block

Output Pinout: Pin 1 Common
Pin 2 N/C
Pin 3 DALI signal

Power input: 100 - 120 volts, 50/60 hertz, 12 watts (208 - 240 volt optional)

Color: Top, bottom, and sides: Silver hammer tone.   Front and back: Black.

Size and weight: 6.5" deep, 1.7" high, 8" wide, 2.7 pounds (19" rack adapter available)

## Doug Fleenor Design, Inc.