



Installation and Operation Guide for the Anytronics 4 Channel DMX to DFB Interface

This equipment should only be installed by competent electricians, the responsibility for safe and correct installation of the system rests with the installer and these notes are intended only for guidance.

The 4 Channel DMX to DFB Interface is designed convert DMX input data to either DALI broadcast or DSI output data. The unit is not fully DMX addressable and only the first 64 address of the DMX range are available.

The selection of DALI Broadcast or DSI data is also non-selectable by the end user and the correct data output type must be requested when ordering from Anytronics.

Contents

1. Unit Mounting.....	2
2. Electrical Connections	2
3. Data Connections	2
4. Unit Configuration	3
4.1. DMX Addressing	3
4.2. Blackout Enable	3
5. Specification	4

1. Unit Mounting

The unit is supplied in an IP20 metal enclosure that should be mounted in a dry permanent structure. Flanges located on either side provide the fixing points on 197 x 40 mm pitch.

2. Electrical Connections

The unit must be supplied with a nominal 230 Vac 50 Hz supply with suitable protection for lighting circuits. The unit has an internal 100 mA, 20 x 5 mm time lag fuse, however the installer should ensure the supply is protected in accordance with local regulations.

3. Data Connections

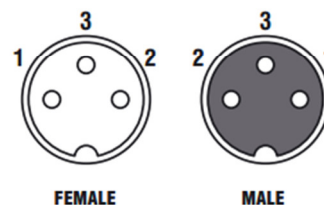
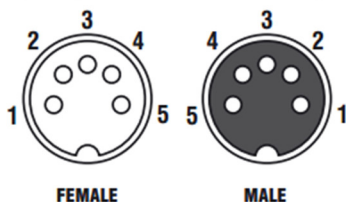
The Interface is supplied as a standalone unit that provides all standard connections on the outside of the case.

The DMX data connections are provided via male / female 5-pin XLR or two-8 pin RJ45 with the pinouts detailed below. The digital outputs are available via 3 RJ12 connectors with the pinout also detailed below.

DMX XLR CONNECTORS

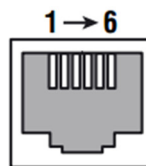
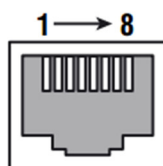
Pin No.	5 Pin XLR - DMX
1	0 V / Ground
2	- DMX Data
3	+ DMX Data
4	- Data 2
5	+ Data 2

Pin No.	3 Pin XLR - DMX
1	0 V / Ground
2	- DMX Data
3	+ DMX Data



RJ STYLE CONNECTORS

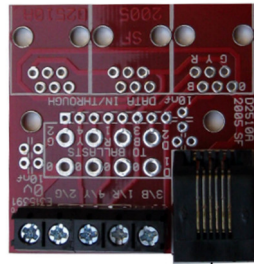
Pin No.	RJ45 DMX Connector
1	+ DMX Data
2	- DMX Data
3	+ Data 2
4	+5 V Supply
5	+5 V Supply
6	- Data 2
7	0 V / Data Ground



Pin No.	RJ12 DFB Data
1	0 V
2	Green
3	0 V
4	Yellow
5	Blue
6	Red



Upon request Anytronics can also supply the D2510 interface PCB to convert from the RJ12 connection system to screw terminals.



Note: The D2510 PCB and RJ12 cable assemblies will need to be requested when ordering.

4. Unit Configuration

4.1. DMX Addressing

For normal operation the DMX start address is set using the BCD rotary switch located on the side of the unit. The start addresses increments by 3 or 4 depending on the CD01/CD02 jumper located inside the unit. The following table highlights the DMX addresses available based on the BCD switch and jumper position.

BCD No.	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
CD01	1	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46
CD02	1	5	9	13	17	21	25	29	33	37	41	45	49	53	57	61

4.2. Blackout Enable

The unit also provides the ability to allow the blackout functionality via the second 3-pin jumper located inside.

Internal Fuse



5. Specification

- Supply:
 - 220 – 240 Vac 50 Hz, 100 mA
- Connections:
 - DMX input/output via RJ45 connectors and 5-pin XLR
 - Data received from DMX addresses 1 to 64
 - DALI Broadcast or DSI data output via 3 off RJ12 connectors
- Controls & Indication:
 - 16 Position Rotary Control to set DMX input address
 - 1 off 3-pin DMX multiplexing jumper (internal)
 - 1 off Green Power LED
 - 1 off Yellow DMX Data preset LED
 - 1 off 3-pin Blackout Enable jumper (internal)
- IP Rating: IP20 (Indoor Use Only)
- Temperature Range: Ambient 0°C to 40°C
- Dimensions: 210 x 60 x 60 mm
- Weight: Net 0.5 kg
- Country of Manufacture: UK
- Compliance:
 - Low Voltage Directive (2014/35/EU)
 - WEEE (2012/19/EU)
 - RoSH (2011/65/EU)
 - CE
- Warranty: 1 Year (Return to Base)