

Fade 12

Features of the Fade 12

- 12-channel DMX fader panel
- 19" rack mounting
- DMX Output
- Outputs 72 DMX channels
- Ideal complement to DPX12/4 Dimming Pack
- Will also operate Spectre, Mirage, Chroma HX, Chroma 50
- 5-pin XLR Output Socket as required by USITT DMX Standard.

IMPORTANT

Installer and Users please note:

These instructions should be read carefully and left with the user of the product for future reference.

The Fade 12 is a Class-3 (safety extra low voltage) product, it operates from a 12V supply provided by the Luminaire or Dimming pack it is controlling, or from an external 12V power supply (not supplied)

The Fade 12 will operate any dimming pack or luminaire that requires 12 DMX channels or less. It also has extra facilities to operate the NJD Spectre, Mirage, Chroma 50 and Chroma HX,

The Fade 12 will control a maximum of 32 DMX luminaires: several different types can be controlled from one Fade 12.

Installation

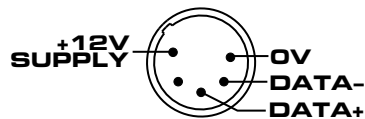
1. If connecting to a Spectre, Mirage power pack or other luminaire fitted with 5-pin XLR connectors

Connect the Fade 12 to the luminaire using a DMX lead (make sure that it is a 5-pin XLR to XLR lead with all pins wired).

2. If connecting to a Mirage system fitted with terminal blocks.

Connect the Fade 12 to the terminal block in the luminaire or power pack. Connections are as follows:

Data+	=	Pin 3
Data-	=	Pin 2
0V	=	Pin 1
+12V	=	Pin 5



3. If connecting to a luminaire with ¼" jacks or 3-pin XLRs for the DMX input.

Connect the Fade 12 to the luminaire using a 5-pin XLR to ¼" jack lead or a 5-pin XLR to 3-pin XLR lead wired as follows:

5-pin XLR		3-pin XLR		¼" Jack
Pin 3	=	Pin 2	=	Tip
Pin 2	=	Pin 3	=	Ring
Pin 1	=	Pin 1	=	Sleeve

Also wire a +12V supply to pins 5 and 1 of the 5-pin XLR, with pin 5 positive.

Use a 9V or 12V regulated or unregulated supply capable of at least 50mA.

Setting the DIL switches (or DMX address)

This refers to the DIL switches on the dimming pack or luminaire. The Fade 12 has no DIL switches.

1. DPX12/4: Set the address to DMX channel 001* or 017*. Set the preheat and dimming law as required. To increase power handling, more than one DPX12/4 may be connected. Each will perform identically.

*See Operation->Master Control.

2. Spectre: The Fade 12 will independently operate up to four Spectres. Set the Mode switches to DMX mode (ON-OFF). Set the DIL Switches for the DMX Address as follows.

Spectre	DMX address	Switches ON
1	33	32
2	37	32,4
3	41	32,8
4	45	32,8,4

More than four Spectres may be connected by duplicating the address settings. Spectres on the same DMX address will perform identically.

3. Mirage (with DIL switches): The Fade 12 will independently operate up to four Mirages. Set the Mode switch ON.

4. Mirage (with 7-segment displays) Set the function to F2.

Mirage	DMX address	Switches ON
1	33	32
2	37	32,4
3	41	32,8
4	45	32,8,4

More than four Mirages may be connected by duplicating the address settings. Mirages on the same DMX address will perform identically.

Mirages and Spectres on the same DMX address will perform identically.

5. Chroma 50, Chroma HX

The Fade 12 will independently operate up to 6 Chromas

On Chroma HX, set the mode switch OFF

Set the DIL switches for the DMX address as follows.

Chroma	DMX address	Switches ON
1	49	32,16
2	53	32,16,4
3	57	32,16,8
4	61	32,16,8,4
5	65	64
6	69	64,4

More than six Chromas may be connected by duplicating the address settings. Chromas on the same DMX address will perform identically.

Chromas, Spectres and Mirages may be mixed, for example, using six of the sliders to operate two Spectres, and the other six to operate three Chromas.

OPERATION.

1. Use with a DMX dimming pack. (such as DPX12/4)

Each slider controls the output of one channel of the dimming pack. The Master control sets the maximum level that can be achieved by the 12 channels.

If the Master control is not required, then set the DMX address of the dimming pack to 17 instead of 1. The Master control then operates DMX channel 29, and does not affect the operation of the other sliders.

2. Use with Spectres and Mirages.

Each group of three sliders operates a Spectre or Mirage or group of Spectres or Mirages. The first slider controls the power or brightness of the Spectre, the second controls the colour, the third controls the shade of the colour set on the second slider.

The Master control affects only the "power" sliders, leaving the colour unchanged as it dims all Spectres/Mirages together.

3. Use with Chromas

Each pair of sliders operates a Chroma 50 or Chroma HX or group of Chromas. The first slider controls the power or brightness of the Spectre, the second controls the colour.

The Master control affects only the "power" sliders, leaving the colour unchanged as it dims all Chromas together.

If operating mixed Chromas, Spectres and Mirages, then the Master slider will affect only the brightness of the luminaires, leaving the colours unchanged.

FAULT FINDING.

No output

Master slider at zero.

No operation

- No supply

If using a DC power supply, check that the output voltage and polarity is correct.

If powering the Fade 12 from a luminaire, check that it provides a +12V output on pin 5 of the XLR (Spectre, and Mirage power packs both do), and check that pin 5 is connected in the DMX lead.

If the Fade 12 is connected to a Spectre or Mirage power pack the indicator LED will change colour from red to green when it is connected.

Luminaires do not operate correctly.

Check that the DMX address and Mode switches are set correctly.

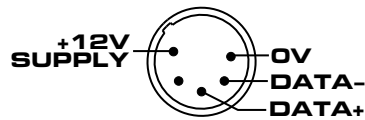
(If a Spectre is strobing, then the MODE switches are set wrongly)

Check that the DMX Data+ and Data- leads are not reversed.

TECHNICAL SPECIFICATION.

Size: 483mm × 201mm × 58mm
 Weight: 1.5kg
 Power supply: +9 - +12V DC 50mA
 Connections: Pins 5 and 1 of the 5-pin XLR
 Pin 5 positive.
 Output: DMX 512, 72 channels
 Channels 1-29 for Dimming packs
 Channels 33-48 for Spectres
 Channels 49-72 for Chromas

Connections: 5-pin XLR
 Data + Pin 3
 Data - Pin 2
 Ground Pin 1
 +12V supply Pin 5



Safety Standards

The Fade 12 complies with:
 EN60297 (19" rack panel dimensions)
 EN55103 (Electromagnetic Compatibility Standard)
 USITT DMX 512 standard

Guarantee

This product is guaranteed for a period of 12 months against faulty components or manufacture from the date of purchase. Upon proof of purchase, NJD shall, at its own option, repair or replace the defective item at no cost to the purchaser.

This guarantee is contingent upon the proper use of the product in the application for which it is intended and does not cover products that have been modified, subjected to unusual physical conditions, or electrical conditions outside its specification, or damaged in any way.

This guarantee is limited to the product only and does not cover carriage costs, installation costs or travel expenses. Your statutory rights are not affected.

In the event of any problems with this product contact the retailer from which it was purchased for technical assistance, or e-mail technical@njd.co.uk

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