



ALM044MFD Stereo Cross Fader and VCA User Guide

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ALM044MFD Stereo Cross Fader and VCA



ALM044 / MFD

Technical Specifications

- **Power:** +12V 70mA / -12V 70mA
- **Size:** 6HP
- **Depth:** 32mm

Module Installation

1. With your modular synth powered off, connect the 10 pin end of the supplied standard eurorack power connector cable to the 10 pin power connector on the rear of the module.
2. The red stripe on the cable should be orientated to match the text 'RED' marked on the rear of the module near the power connector (this is -12V).
3. Connect the other 16 pin end of the cable to your eurorack bus board (Refer to your bus board documentation for the correct orientation).
4. You are now safe to power up your modular synth. If the module fails to power up, check that you have the power cable correctly orientated and have carefully read the manual.

Note: All ALM modules feature reverse power protection.

- **A & B Inputs**
 - Stereo L/R signal inputs. Left input is normalized to Right for mono signals. DC Coupled for use with audio & CV.
- **CUE OUT**

- Stereo Cue output pair for pre crossfader monitoring of A & B input signals via a headphone amp.
- **CUE A & B BUTTONS / LEDS**
 - Latching switches for routing the A & B input pairs to the Cue Out for pre crossfader monitoring. Associated LEDs will light to show an input is being cued.
- **MAIN OUT**
 - Stereo L/R crossfader outputs.
- **X FADE CV INPUT**
 - CV control input for stereo X Fade control. The X Fade knob acts as an offset to incoming CV signals. Range: -5V to 5V.
- **X FADE CONTROL**
 - Manual crossfader offset control for blending stereo A & B input signals.

Support

- Need help? Email your questions to help@busycircuits.com
- For the latest news, additional info, downloads and firmware updates please visit the ALM website at busycircuits.com
- Follow [@busycircuits](https://twitter.com/busycircuits) on Twitter and Instagram for news, tips, and ideas.
- Visit *ALM TV* on Youtube for module video tutorials and demos.

Limited Warranty

- From the date of manufacture, this device is guaranteed for a period of 2 years against any manufacturing or material defects. Any such defects will be repaired or replaced at the discretion of ALM. This does not apply to
 - Damage caused by improper use or handling
 - Damage caused by unauthorized modifications or repairs
 - Damage caused by accidents or natural disasters

No responsibility is implied or accepted for harm to person or apparatus caused through the operation of this product. By using this product, you agree to these terms.

ALM044 manual version: 0.1

FAQ

1. Q: How much power does the ALM044 / MFD module require?

A: The ALM044 / MFD module requires +12V 70mA / -12V 70mA of pow.

2. Q: What is the size of the ALM044 / MFD module?

A: The ALM044 / MFD module is 6HP in size.

3. Q: What is the depth of the ALM044 / MFD module?

A: The ALM044 / MFD module has a depth of 32mm.

4. Q: How do I connect the module to my modular synth?

A: Connect the 10 pin end of the supplied power connector cable to the 10 pin power connector on the rear of the module. Make sure to orientate the cable correctly with the red stripe matching the 'RED' marking on the

module. Then, connect the other 16 pin end of the cable to your eurorack bus board.

5. Q: What are the A & B inputs used for?

A: The A & B inputs are stereo L/R signal inputs. The left input is normalized to the right for mono signals. They are DC Coupled and can be used with audio & CV.

6. Q: What is the purpose of the CUE OUT?

A: The CUE OUT provides a stereo cue output pair for pre crossfader monitoring of A & B input signals via a headphone amp.

TECHNICAL SPECIFICATIONS

- **Power:** +12V 70mA / – 12V 70mA
- **Size:** 6HP
- **Depth:** 32mm

Module Installation

- With your modular synth powered off, connect the 10 pin end of the supplied standard eurorack power connector cable to the 10 pin power connector on the rear of the module.
- The red stripe on the cable should be orientated to match the text 'RED' marked on the rear of the module near the power connector (this is – 12V).
- Connect the other 16 pin end of the cable to your eurorack bus board (Refer to your bus board documentation for the correct orientation).
- You are now safe to power up your modular synth.
- If the module fails to power up, check that you have the power cable correctly orientated and have carefully read the manual.
- All ALM modules feature reverse power protection.

MFD

<http://busycircuits.com/alm044>

The 'MFD' is a 2-channel stereo crossfader designed for live DU-style mixing and jamming in Eurorack.

- Two mono or stereo inputs are mixed to a single stereo output via direct or voltage control. Additional Cue controls provide preview monitoring of either input pre-mix via
- Voltage control over the crossfade and DC coupling allow for further creative uses such as a high quality stereo VCA or as a mix processor for either stereo audio signals or CV.
- The MFD is designed to have very low noise and cross bleed and employs equal glower crossfading for smooth constant level blending between signal sources.

A & B INPUTS

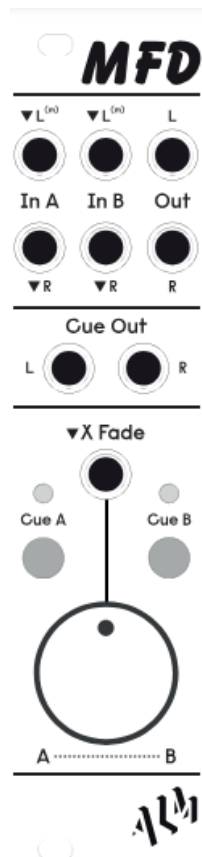
- Stereo L/R signal inputs. Left input normalized to Right for mono signals. DC Coupled for use with audio & CV.

CUE OUT

- Stereo Cue output pair for pre crossfader monitoring of A & B input signals via a headphone amp.

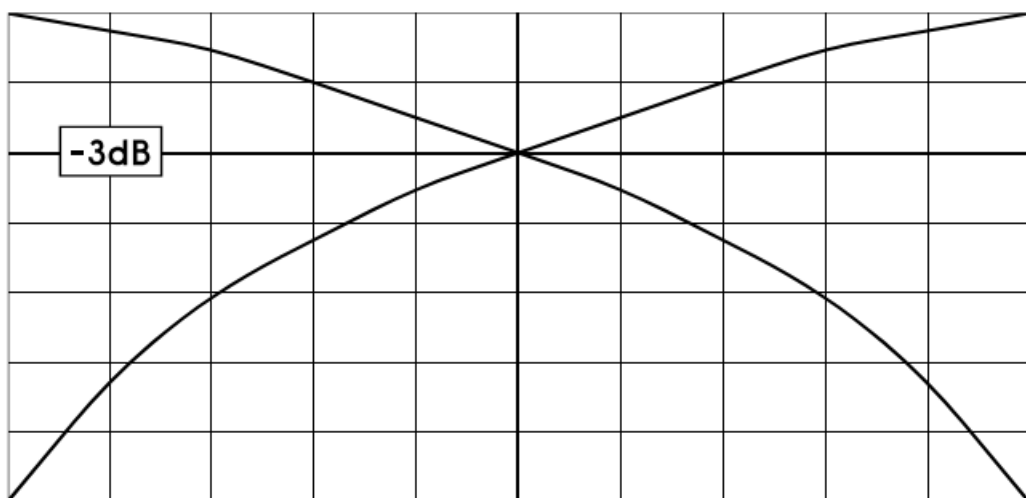
CUE A & B BUTTONS / LEDS

- Latching switches for routing the A & B input pairs to the Cue Out for pre crossfader monitoring. Associated LEDs will light to show an input is being cued.



MAIN OUT

- Stereo L/R crossfader outputs.



× FADE CV INPUT CV

- control input for stereo X Fade control. The X Fade knob acts as an offset to incoming CV signals. -5V – 5V

X FADE CONTROL

- Manual crossfader offset control for blending stereo A & B input signals.

Support Need help?

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- For the latest news, additional info, downloads and firmware updates
- please visit the ALM website at busycircuits.com
- Follow @busycircuits on Twitter and Instagram for news, tips and ideas. Visit 'AL M TV' on Youtube for module video tutorials and demos.

Limited Warranty

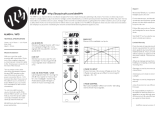
- From the date of manufacture this device is guaranteed for a period of 2 years against any manufacturing or material defects.

Any such defects will be repaired or replaced at the discretion of ALM. This does not apply to;



- Physical damage arising from mis treating (i.e. dropping, submerging, 'mudding' etc).
- Damage caused by incorrect power connections.
- Overexposure to heat or direct sunlight.
- image caused by inappropriate or misuse.
- Use of incorrect or non official firmware

No responsibility is implied or accepted for harm to person or apparatus caused through operation of this product. By using this product you agree to these terms.

Documents / Resources

	<p>ALM ALM044MFD Stereo Cross Fader and VCA [pdf] User Guide ALM044MFD Stereo Cross Fader and VCA, ALM044MFD, Stereo Cross Fader and VCA, Cross Fader and VCA, Fader and VCA</p>
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References

-  [ALM](#)
-  [ALM - ALM044 MFD](#)
- [User Manual](#)