

Behringer SPACE FX

Behringer Space FX Multi-effects Eurorack Module User Manual

Model: SPACE FX

1. INTRODUCTION

Thank you for choosing the Behringer Space FX Multi-effects Eurorack Module. This 24-bit stereo multi-effects engine module is designed to integrate seamlessly into your Eurorack system, offering a wide array of sonic possibilities. It features 32 effect algorithms, including 8 modulation effects and 15 reverb effects, along with tap syncing capabilities and an intuitive LCD display for easy navigation and parameter adjustment. This manual provides essential information for the safe and effective operation of your Space FX module.

2. IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions thoroughly before operation.
- Keep these instructions for future reference.
- Heed all warnings on the product and in this manual.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Only use attachments/accessories specified by the manufacturer.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way.
- This module is designed for Eurorack systems. Ensure proper power supply and module orientation before installation.

3. PRODUCT OVERVIEW

The Behringer Space FX module provides a versatile effects processing solution for your modular synthesizer setup. Its compact design and comprehensive feature set make it an essential tool for sound design and performance.

3.1 Front Panel Layout



Figure 3.1: Front view of the Behringer Space FX module, showing the LCD display, control knobs, and input/output jacks.

The front panel of the Space FX module is designed for intuitive control. It features an LCD display for effect selection and parameter viewing, two rotary encoders for parameter adjustment (Parameter 1/2 and Program/Value), an FX Send knob to control the wet/dry mix, and an Input Level switch (High/Low). Input and output jacks are clearly labeled for Left (L) and Right (R) channels, with a mono input option.



Figure 3.2: Angled view of the Behringer Space FX module, highlighting its compact Eurorack form factor.

This angled view demonstrates the module's physical dimensions and how it would sit within a Eurorack case. The module occupies 14HP of space.



Figure 3.3: Close-up of the LCD display, showing an effect name such as 'BRIGHT'.

The LCD display provides clear feedback on the currently selected effect program and its parameters, making it easy to navigate through the 32 available algorithms.

3.2 Key Features

- 14HP Eurorack Multi-effects Module with 32 Effect Algorithms
- Includes 8 Modulation Effects and 15 Reverb Effects
- Tap Syncing capability for tempo-synced effects
- Intuitive LCD Display for easy navigation
- 24-bit Stereo Multi-Effects Engine
- Flexible input/output options for mono and stereo signals

4. SETUP

4.1 Power Connection

The Space FX module requires a standard Eurorack power supply. Ensure your Eurorack case provides sufficient power (+12V, -12V, +5V if applicable) and that the power cable is connected correctly to the module's power header. Always align the red stripe on the ribbon cable with the -12V pin on both the module and the power bus board to prevent damage.

4.2 Installation in Eurorack Case

The module is 14HP wide. Carefully align the module with the rail screws in your Eurorack case. Secure the module using the provided screws, ensuring it is firmly seated but not overtightened.



Figure 4.1: Example of Eurorack case rails where the module will be installed.

Proper installation ensures stable operation and prevents accidental disconnections.

4.3 Audio Connections

- **Inputs (L/R):** Connect your audio source (e.g., synthesizer output, mixer send) to the Left (L) and Right (R) 1/4-inch input jacks. For mono signals, connect to the Left (L) input.
- **Outputs (L/R):** Connect the Left (L) and Right (R) 1/4-inch output jacks to your mixer, audio interface, or subsequent Eurorack modules.
- **Input Level Switch:** Adjust the switch between HIGH and LOW depending on the input signal level to prevent clipping or ensure sufficient gain.

5. OPERATING INSTRUCTIONS

5.1 Selecting Effects

Turn the **PROGRAM / VALUE** rotary encoder to scroll through the 32 available effect algorithms. The selected effect name will be displayed on the LCD screen.

5.2 Adjusting Parameters

- **PARAMETER 1/2:** This rotary encoder adjusts the first two parameters of the selected effect. The specific function of these parameters varies depending on the effect algorithm.
- **PARAMETER 3 (TAP):** This rotary encoder adjusts the third parameter of the selected effect. For time-based effects like delay, pressing this knob allows for tap tempo input.



Figure 5.1: Detail of the Parameter 3 (TAP) control, used for adjusting the third effect parameter and for tap tempo input.

The tap tempo function is particularly useful for synchronizing delays and other rhythmic effects with your music.

5.3 FX Send Control

The **FX SEND** knob controls the wet/dry mix of the effect. Turn it clockwise to increase the amount of effect applied to the signal, and counter-clockwise to reduce it. Turning it fully counter-clockwise will bypass the effect.

5.4 Effect Algorithms

The Space FX module includes a diverse range of effects. Experiment with different algorithms and parameter settings to discover new sonic textures. The 32 algorithms include various reverbs, delays, choruses, flangers, phasers, and more.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the module’s surface. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the module in a dry, dust-free environment. If removed from a Eurorack case, consider using an anti-static bag.
- **Firmware Updates:** Check the Behringer official website periodically for any available firmware updates that may enhance performance or add new features. Follow the instructions provided with the update carefully.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/LCD not lighting up	Incorrect power cable connection; insufficient power from Eurorack case.	Check power cable orientation (red stripe to -12V). Ensure your Eurorack power supply is adequate and functioning.
No sound or very low output	Incorrect input/output connections; FX SEND knob set to OFF; Input Level switch incorrect.	Verify audio cables are connected to the correct input/output jacks. Turn the FX SEND knob clockwise. Adjust the Input Level switch (HIGH/LOW) to match your source signal.
Distorted sound	Input signal too hot; output signal too hot.	Switch the Input Level to LOW. Reduce the input signal level from your source. Lower the FX SEND amount. Reduce the gain on the receiving module/mixer.
Effects are too subtle	FX SEND knob not high enough; specific effect parameters set too low.	Increase the FX SEND knob. Adjust PARAMETER 1/2 and PARAMETER 3 knobs to increase effect intensity. Consider patching the output back into the input for a more pronounced effect (mono only).

8. SPECIFICATIONS

Feature	Detail
Model	SPACE FX
Type	Multi-effects Eurorack Module
Effect Algorithms	32 (including 8 Modulation, 15 Reverb)
Audio Resolution	24-bit Stereo
Module Width	14 HP
Dimensions (H x W x D)	6.88 x 4.05 x 3 inches (approx. 17.48 x 10.29 x 7.62 cm)
Weight	4.6 ounces (approx. 0.13 kg)
Hardware Interface	1/4-inch Audio Jacks
Signal Format	Digital
Power Source	Eurorack (Corded Electric)
Voltage	12 Volts (Eurorack standard)
Amperage	50 Milliamps
Country of Origin	China

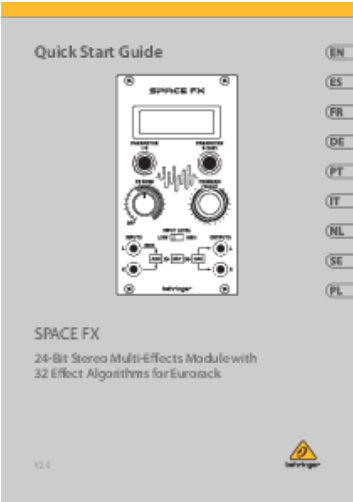
9. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Behringer website or contact their customer service. Keep your purchase receipt as proof of purchase for any warranty claims.

Online Resources: For the latest drivers, manuals, and software, visit www.behringer.com.

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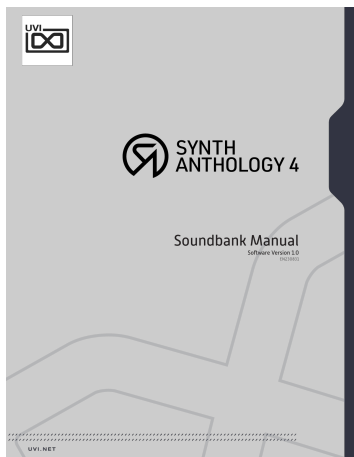


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