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› [Empress Effects ZOIA Modular Synthesizer and Guitar Multi-Effects Pedal Instruction Manual](#)

## Empress Effects ZOIA

# Empress Effects ZOIA Modular Synthesizer and Guitar Multi-Effects Pedal Instruction Manual

Model: ZOIA

Brand: Empress Effects

## INTRODUCTION

The Empress Effects ZOIA is a powerful and versatile modular synthesizer and multi-effects pedal. It allows users to build custom effects, synthesizers, MIDI controllers, and virtual pedalboards from the ground up using a wide array of internal modules. This manual provides essential information for setting up, operating, and maintaining your ZOIA, ensuring you can unlock its full creative potential.

## KEY FEATURES

- **80+ Modules and Growing:** ZOIA comes packed with a vast collection of modules to create just about anything you can dream up.
- **Create Your Own Effects, Synths, Control Devices, and More!:** Oscillators, LFOs, filters, bit crushers, envelope followers – these are just a handful of the included modules that can be connected in almost any way imaginable.
- **20+ Ready-Made Effects Modules:** Pre-built effects modules such as reverbs, delays, chorus, flangers, overdrives, and more are available.
- **Up to 64 Patches:** Create and save up to 64 patches that can be easily recalled during live performance or studio sessions.

## PRODUCT OVERVIEW



The Empress Effects ZOIA pedal features a compact black enclosure with a grid of 64 illuminated buttons, a small OLED screen, a large rotary encoder, and four footswitches. Input and output jacks are located on the sides, along with MIDI and control ports.

## SETUP GUIDE

### Power Connection

Connect a **9V DC, 300mA** power supply to the ZOIA's power input. Ensure the power supply is **center-negative**. Using an incorrect power supply can damage the unit.

### Audio Connections

The ZOIA features Left and Right input and output jacks (1/4-inch Audio).

- For mono operation, use the Left input and Left output.
- For stereo operation, connect both Left and Right inputs and outputs.

### MIDI and Control Port

The ZOIA includes MIDI In and Out ports (3.5mm) for integration with other MIDI devices. A Control Port is also available for external control, allowing for expanded functionality and connectivity.

### Initial Power On

Once all connections are secure, power on the unit. The display will illuminate, and the grid buttons will show various colors, indicating the unit is ready for operation.

## OPERATING YOUR ZOIA

## Navigating the Interface

The ZOIA features a grid of backlit buttons and a small OLED display for interaction.

- Use the large rotary encoder to scroll through menus and adjust parameters.
- The four large buttons on the left (Select, Scroll, Bypass, and an unlabeled one) are primary navigation and control buttons.
- The grid buttons serve multiple functions, including module selection, parameter control, and visual feedback.

## Creating Patches

The core functionality of the ZOIA involves creating "patches" by connecting virtual modules. This allows for highly customized effects and synthesizers.

1. Press the "Select" footswitch to enter patch editing mode.
2. Use the rotary encoder to select a module category (e.g., Audio Modules, Control Modules, Effect Modules).
3. Select a specific module and place it on the grid.
4. Connect modules by selecting their inputs/outputs and linking them.
5. Adjust module parameters using the rotary encoder and grid buttons to fine-tune your sound.

## Saving and Loading Patches

The ZOIA can store up to 64 user-created patches, allowing for quick recall of your custom designs.

- To save a patch: Navigate to the save menu, select an empty slot, and confirm your selection.
- To load a patch: Navigate to the load menu, select the desired patch from your saved list, and confirm.

## Using Pre-made Effects

The ZOIA comes with over 20 pre-built effects modules for immediate use. These can be loaded as starting points for custom patches or used as standalone effects without extensive programming.

## MAINTENANCE AND CARE

- Keep the unit clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the ZOIA to extreme temperatures, direct sunlight, or excessive moisture.
- Ensure proper ventilation around the unit during operation to prevent overheating.
- Regularly check all cable connections for wear and tear to ensure optimal performance and safety.

## TROUBLESHOOTING COMMON ISSUES

Issue	Possible Cause	Solution
No Power	Incorrect power supply, loose connection	Verify 9V DC, 300mA, center-negative power supply. Check all power connections to ensure they are secure.
No Audio Output	Incorrect audio routing, bypass engaged, module error	Check input/output connections. Ensure the bypass footswitch is disengaged. Verify module connections within the active patch.
Buttons Unresponsive	Firmware issue, temporary glitch	Try restarting the unit by disconnecting and reconnecting power. If persistent, check for firmware updates on the Empress Effects website.
Unexpected Sound/Noise	Module misconfiguration, ground loop	Review your patch for incorrect module connections or parameter settings. Try a different power outlet or audio cables to rule out ground loop issues.

TECHNICAL SPECIFICATIONS


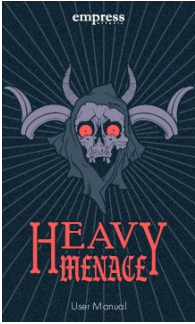
Specification	Value
Item Weight	1.54 pounds (699 Grams)
Product Dimensions	7 x 5 x 4 inches
Item Model Number	ZOIA
Hardware Interface	1/4-inch Audio
Signal Format	Analog
Voltage	9 Volts
Color	Silver, Black



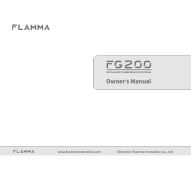
WARRANTY AND CUSTOMER SUPPORT

Empress Effects offers a **4-year warranty** on the ZOIA. For detailed warranty information, product registration, or technical support, please visit the official Empress Effects website or contact their customer service directly.

You can also find additional resources and community forums online for patch sharing, advanced tips, and user-generated content to further enhance your ZOIA experience.

Related Documents - ZOIA

	<p><a href="#">Empress Echosystem Delay Pedal: Features, Operation, and Firmware Updates</a></p> <p>Explore the Empress Echosystem, a versatile digital delay pedal from Empress Effects. This guide covers its advanced features, multiple delay engines, MIDI/CV integration, tap tempo options, and how to update firmware using an SD card. Learn about its sonic palette and deep sound-shaping capabilities.</p>
	<p><a href="#">Empress Effects Heavy Menace User Manual: Distortion and Noise Gate Pedal Guide</a></p> <p>Comprehensive user manual for the Empress Effects Heavy Menace guitar pedal. Learn about its distortion, noise gate, EQ, controls, quickstart settings, and safety information.</p>

 The image shows the cover of the Empress Bass Compressor User Manual. It features a photograph of the silver and black pedal with four knobs and a footswitch. The text 'COMPRESSOR Bass' is at the top, 'USER MANUAL' is below it, and the 'empress' logo is at the bottom.	<p><a href="#">Empress Bass Compressor User Manual</a></p> <p>User manual for the Empress Bass Compressor, detailing its features, controls, operation, safety guidelines, and specifications. Designed to enhance bass guitar tones with studio-grade compression.</p>
 The image shows the cover of the Line 6 HX Stomp manual. It features a photograph of the black pedal with a screen and several buttons. The text 'HX STOMP' is prominently displayed at the top, and '16 オートマチック' is at the bottom.	<p><a href="#">Line 6 HX Stomp</a></p> <p>Line 6 HX Stomp</p> <p>line6.jp/meet-hx-stomp</p>
 The image shows the cover of the FLAMMA FG200 Intelligent Combined Effects Pedal Owner's Manual. It features a photograph of the silver pedal with a screen and buttons. The text 'FLAMMA' is at the top, 'FG200' is in the center, and 'Owner's Manual' is below it.	<p><a href="#">FLAMMA FG200 Intelligent Combined Effects Pedal Owner's Manual</a></p> <p>This owner's manual provides comprehensive information on the FLAMMA FG200 Intelligent Combined Effects Pedal, covering safety precautions, performance features, panel layout, connection guides, effect module details, operation modes, additional functions like drum machine and tuner, tone descriptions, and technical specifications.</p>