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FLAMMA FS05

FLAMMA FS05 Multi Modulation Pedal Instruction Manual

Model: FS05

INTRODUCTION

The FLAMMA FS05 Multi Modulation Pedal is a versatile stereo effects pedal designed for electric guitar. It offers 11 distinct modulation effects and 7 storable preset slots, providing a wide range of tonal possibilities for musicians.

SAFETY INFORMATION

Always ensure proper power supply connections and use the pedal in a dry environment. Avoid exposing the unit to extreme temperatures or humidity. Disconnect power when not in use or during cleaning.

PACKAGE CONTENTS

- FLAMMA FS05 Multi Modulation Pedal
- Instruction Manual (this document)
- (Power supply not included)

PRODUCT OVERVIEW

The FS05 pedal features a compact design with intuitive controls for easy operation and sound shaping.

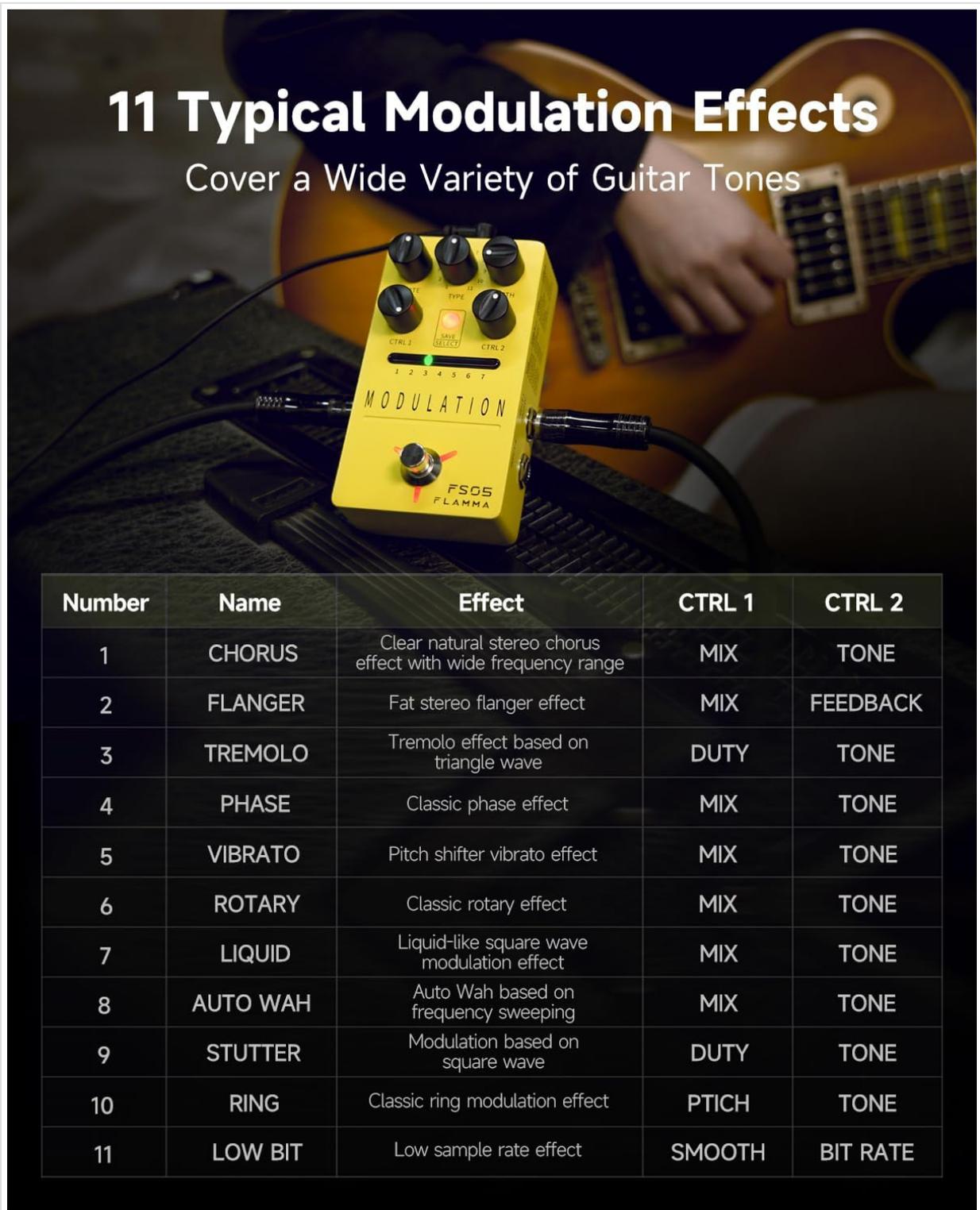


Figure 1: FLAMMA FS05 Multi Modulation Pedal front view.

Controls and Connections

11 Typical Modulation Effects

Cover a Wide Variety of Guitar Tones



Number	Name	Effect	CTRL 1	CTRL 2
1	CHORUS	Clear natural stereo chorus effect with wide frequency range	MIX	TONE
2	FLANGER	Fat stereo flanger effect	MIX	FEEDBACK
3	TREMOLO	Tremolo effect based on triangle wave	DUTY	TONE
4	PHASE	Classic phase effect	MIX	TONE
5	VIBRATO	Pitch shifter vibrato effect	MIX	TONE
6	ROTARY	Classic rotary effect	MIX	TONE
7	LIQUID	Liquid-like square wave modulation effect	MIX	TONE
8	AUTO WAH	Auto Wah based on frequency sweeping	MIX	TONE
9	STUTTER	Modulation based on square wave	DUTY	TONE
10	RING	Classic ring modulation effect	PITCH	TONE
11	LOW BIT	Low sample rate effect	SMOOTH	BIT RATE

Figure 2: Detailed view of the FS05 control knobs.

- **RATE Knob:** Adjusts the speed of the modulation effect.
- **TYPE Knob:** Selects one of the 11 modulation effects.
- **DEPTH Knob:** Controls the intensity or depth of the modulation.
- **CTRL 1 Knob:** Adjusts a primary parameter specific to the selected effect (e.g., Mix, Duty, Pitch).
- **CTRL 2 Knob:** Adjusts a secondary parameter specific to the selected effect (e.g., Tone, Feedback, Smooth, Bit Rate).
- **SAVE/SELECT Button:** Used to save presets or select between them.
- **LED Indicators (1-7):** Show the currently selected preset slot.
- **Footswitch:** Activates/deactivates the pedal.
- **Input L (Mono) / Input R:** Audio input jacks.

- **Output L (Mono) / Output R:** Audio output jacks.
- **DC IN:** Power input (9V DC, center negative).

Video 1: Official product overview of the FLAMMA FS05 Multi Modulation Pedal, demonstrating its features and 11 modulation effects.

SETUP

Power Supply

The FLAMMA FS05 pedal requires a 9V DC power supply with a minimum current of 302mA (center negative). The power supply is NOT INCLUDED with the pedal. Insufficient current may cause operational issues.

Connecting the Pedal

The FS05 supports both mono and stereo connections, offering flexibility for various setups.



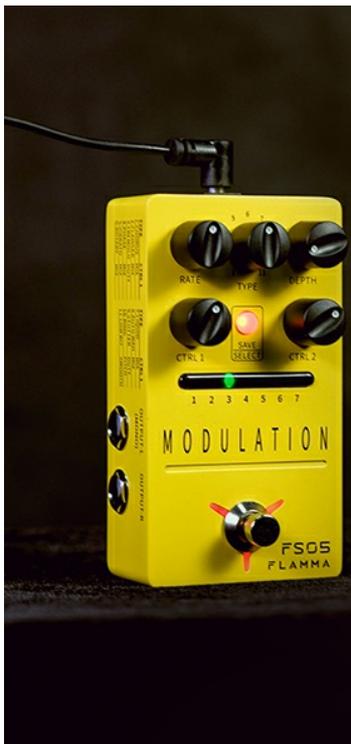
Figure 3: Diagram illustrating stereo and mono to stereo connection setups for the FS05 pedal.

- **Mono Setup:** Connect your guitar to Input L (Mono) and your amplifier to Output L (Mono).
- **Stereo Setup:** Connect your guitar to Input L (Mono) and Input R. Connect Output L (Mono) and Output R to your stereo amplifier or audio interface.

OPERATING INSTRUCTIONS

Selecting Modulation Effects

The FS05 offers 11 distinct modulation effects, ranging from classic to experimental tones. Use the TYPE knob to cycle through the available effects.



Number	Effect	Description	CTRL 1	CTRL 2
1	CHORUS	Clear natural stereo chorus effect with wide frequency range	MIX	TONE
2	FLANGER	Fat stereo flanger effect	MIX	FEEDBACK
3	TREMOLO	Tremolo effect based on triangle wave	DUTY	TONE
4	PHASE	Classic phase effect	MIX	TONE
5	VIBRATO	Pitch shifter vibrato effect	MIX	TONE
6	ROTARY	Classic rotary effect	MIX	TONE
7	LIQUID	Liquid-like square wave modulation effect	MIX	TONE
8	AUTO WAH	Auto Wah based on frequency sweeping	MIX	TONE
9	STUTTER	Modulation based on square wave	DUTY	TONE
10	RING	Classic ring modulation effect	PTICH	TONE
11	LOW BIT	Low sample rate effect	SMOOTH	BIT RATE

Figure 4: List of 11 modulation effects and their corresponding CTRL 1 and CTRL 2 parameters.

The available effects include Chorus, Flanger, Tremolo, Phase, Vibrato, Rotary, Liquid, Auto Wah, Stutter, Ring, and Low Bit.

Adjusting Effect Parameters

Each effect has adjustable parameters via the RATE, DEPTH, CTRL 1, and CTRL 2 knobs. Refer to Figure 4 for specific parameter functions per effect.

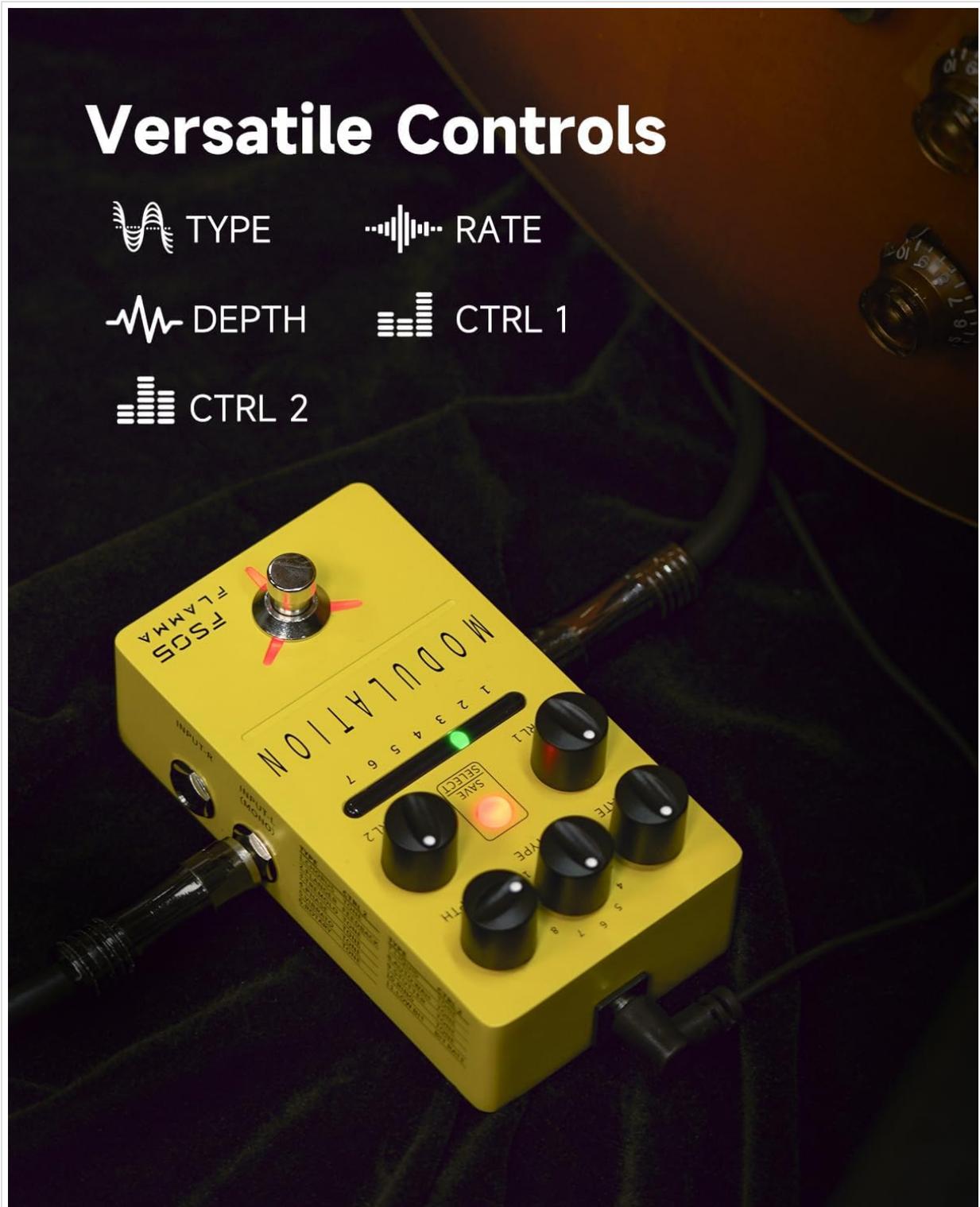


Figure 5: The FS05 pedal highlighting its versatile control knobs.

Saving and Recalling Presets

The pedal features 7 preset slots to save your customized settings. Use the SAVE/SELECT button and LED indicators to manage your presets.

7 Preset Slots for Saving Your Favorite Settings



Figure 6: The FS05 pedal showing the 7 preset slots and SAVE/SELECT button.

- **To Save:** Adjust the parameters to your desired settings. Press and hold the SAVE/SELECT button until the LED for the current slot flashes, indicating the preset is saved.
- **To Recall:** Briefly press the SAVE/SELECT button to cycle through the 7 preset slots. The corresponding LED will illuminate.

True Bypass / Buffer Bypass

The FS05 features True Bypass to minimize signal loss when the pedal is disengaged. Some videos also mention a low-noise buffer bypass, which helps maintain signal integrity over long cable runs.

Video 2: Demonstration of the FLAMMA FS05 Multi Modulation Pedal's features, including its true bypass functionality and various effects.

MAINTENANCE

Clean the pedal's exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure all connections are secure before and after use.

TROUBLESHOOTING

- **No Power:** Ensure the 9V DC power supply is correctly connected and provides sufficient current (minimum 302mA).
- **No Sound:** Check all audio cables and connections. Verify the pedal is engaged (footswitch LED illuminated).
- **Unwanted Noise:** Ensure proper grounding and use a high-quality, isolated power supply.

SPECIFICATIONS

- **Model:** FS05
- **Item Weight:** 10.5 ounces (0.3 Kilograms)
- **Product Dimensions:** 2.75"L x 1.97"W x 4.78"H
- **Voltage:** 9 Volts DC
- **Current Draw:** >302mA (Power Supply NOT INCLUDED)
- **Connector Type:** 2.1mm DC power jack
- **Signal Format:** Digital
- **Hardware Interface:** USB (for potential firmware updates, not for audio)
- **Effects:** 11 Modulation Effects (Chorus, Flanger, Tremolo, Phase, Vibrato, Rotary, Liquid, Auto Wah, Stutter, Ring, Low Bit)
- **Presets:** 7 Storable Slots
- **Bypass:** True Bypass

WARRANTY & SUPPORT

For warranty information and technical support, please refer to the manufacturer's official website or contact your local dealer. Keep your purchase receipt as proof of purchase.