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› FLAMMA FV01 Vocal Effects Processor User Manual

FLAMMA FV01

FLAMMA FV01 Vocal Effects Processor

User Instruction Manual

Model: FV01 | Brand: FLAMMA

1. INTRODUCTION

The FLAMMA FV01 Vocal Effects Processor is a versatile pedal designed for singers, offering pitch correction, vocal effects, and microphone amplification. It integrates essential vocal processing tools like delay and reverb, making it suitable for live performances, streaming, and recording environments.

This manual provides detailed instructions on setting up, operating, and maintaining your FV01 pedal to ensure optimal performance and longevity.



RM HL
OFF PL
REVERB

TP DG
OFF SL
DELAY

50
0 100
CORRECTION

TONE

CORRECTOR

FVO1
FLAMMA



2. KEY FEATURES

- **Vocal Pitch Correction:** Offers precise pitch correction from subtle adjustments to more pronounced auto-tune effects.
- **Integrated Vocal Effects:** Features three distinct vocal tone modes (WARM, BRIGHT, NORMAL) and built-in delay and reverb effects.
- **Microphone Amplifier:** Can function as a dedicated microphone amplifier.
- **48V Phantom Power:** Provides optional 48V phantom power, compatible with both condenser and dynamic microphones.
- **Dual Output Modes:** Supports two output configurations for mixed signals or individual signals from guitar and microphone.

2.1. Vocal Tone Modes

The FV01 features three distinct vocal tone modes, indicated by the TONE LED in the center of the pedal:

- **WARM Mode:** Red LED. Provides a warmer, fuller vocal tone.
- **BRIGHT Mode:** Blue LED. Offers a brighter, more present vocal tone.
- **NORMAL Mode:** LED OFF. Delivers a natural, unprocessed vocal tone.

3 Vocal TONE Mode

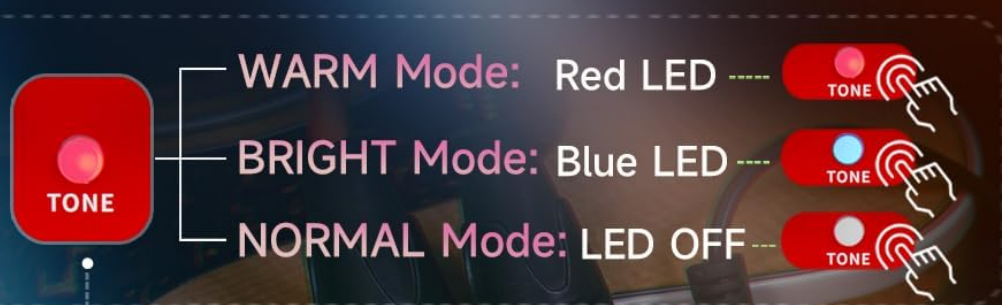


Figure 2: Vocal TONE Modes

2.2. Delay and Reverb Effects

The pedal includes versatile delay and reverb effects with multiple types:

Effect	Name	Description
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Effect	Name	Description
Reverb	RM	Room reverb with low decay
	HL	Huge hall reverb
	PL	Classic plate reverb
Delay	TP	Warm tape delay
	DG	Digital, modern delay with distinct replay
	SL	Classic slap delay

Vocal Delay & Reverb Effects



Effect	Name	Description
Reverb	RM	Room reverb with low decay
	HL	Huge hall reverb
	PL	Classic plate reverb
Delay	TP	Warm tape delay
	DG	Digital, modern delay with distinct replay
	SL	Classic slap delay

Figure 3: Delay and Reverb Effect Types

3. SETUP

3.1. Power Connection

Connect a 9V DC 500mA power adapter (center negative) to the DC IN port of the FV01. Ensure the power supply meets the specified requirements to prevent damage.

3.2. Microphone and Instrument Connections

The FV01 supports both XLR and 1/4" inputs and outputs.

- **Microphone Input:** Connect your microphone to the XLR MIC input.
- **Instrument Input:** Connect your guitar or other instrument to the 1/4" GUITAR IN jack.
- **Outputs:** Use the XLR OUT for your microphone signal and the 1/4" GUITAR OUT for your instrument signal.

Support 2 Output Modes

Individual Mode:



Mix Mode:



Figure 4: Input/Output Connections and Phantom Power Switch

3.3. Phantom Power (for Condenser Microphones)

If using a condenser microphone, ensure the 48V phantom power switch on the rear panel is engaged. For dynamic microphones, keep this switch off.

3.4. Output Modes

The FV01 offers two output modes:

- **Individual Mode:** Separates the microphone and guitar signals to their respective outputs.
- **Mix Mode:** Combines both microphone and guitar signals to a single output. Refer to the product's detailed instructions for switching between these modes, typically involving a combination of footswitch presses during power-up.



Footswitch

Action	LED	Effect
Press Once	Green	Turn on vocal TONE mode/Correction/Reverb/Delay
Press Once	Red	Turn off the Correction
Press Twice Quickly	Off	Turn off the TONE mode/Correction/Reverb/Delay
Press and Hold		Enter Hidden Menu
Press and Hold		Quit Hidden Menu

Figure 5: Individual and Mix Output Modes

3.5. Unboxing and Initial Setup Video

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Video 1: Unboxing Demo of FV01 Pitch Correction-By Guitarnivore. This video provides a quick overview of the pedal's contents and initial setup.

4. OPERATING INSTRUCTIONS

4.1. Controls Overview

The FV01 features several knobs and a footswitch for controlling its functions:

- **CORRECTION Knob:** Adjusts the level of pitch correction from 0 (off) to 100 (maximum).
- **REVERB Knob:** Selects the reverb type (RM, HL, PL) or turns reverb off.
- **DELAY Knob:** Selects the delay type (TP, DG, SL) or turns delay off.
- **TONE Button:** Cycles through WARM, BRIGHT, and NORMAL vocal tone modes.
- **Footswitch:** Activates/deactivates effects and accesses hidden menus.

Twist the Knobs to Adjust the Relevant Parameter



Figure 6: FV01 Controls and Parameters

4.2. Footswitch Operations

Action	LED Indicator	Effect
Press Once	Green	Turn on vocal TONE mode/Correction/Reverb/Delay
Press Once	Red	Turn off the Correction
Press Twice Quickly	Off	Turn off the TONE mode/Correction/Reverb/Delay
Press and Hold	(No specific LED)	Enter Hidden Menu
Press and Hold	(No specific LED)	Quit Hidden Menu

Support 48V Phantom Power & LINE IN Function

Compatible with both condenser microphones
& dynamic microphones

Can be used as a microphone amplifier or
a traditional stompbox



Figure 7: Footswitch Operations

4.3. Operation Demos

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Video 2: FLAMMA FV01 Vocal Pitch Correction Pedal Vocal Effects Processor. This video demonstrates the various vocal effects and pitch correction capabilities of the FV01.

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Video 3: Singing & Acappella Demo of FV01 Pitch Correction-By Guitarnivore. See the FV01 in action with vocal and acappella performances.

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Video 4: FLAMMA FV01 Sing Demo-By Sean Daniel. A demonstration of the FV01's vocal capabilities by Sean Daniel.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the pedal. Avoid abrasive cleaners or solvents.
- **Storage:** Store the pedal in a dry environment, away from direct sunlight, extreme temperatures, and high humidity.
- **Power Supply:** Always use the correct power supply (9V DC, 500mA, center negative) to prevent damage. Disconnect power when not in use for extended periods.
- **Connections:** Periodically check all cables and connections for wear and tear. Ensure they are securely plugged in during operation.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	Incorrect connections, power issue, effect bypassed	Check all cable connections. Ensure power supply is connected and functional. Verify the pedal is engaged (footswitch LED is green).
High self-noise/hiss	Input gain too high, ground loop, faulty cable	Adjust input gain on the pedal and/or connected audio interface. Use a ground lift switch if available. Try different cables.
Effects not engaging/switching	Footswitch malfunction, incorrect operation	Ensure correct footswitch actions are performed (single press, double tap, press and hold). If issue persists, contact support.
Pitch correction is unnatural or extreme	CORRECTION knob set too high	Reduce the CORRECTION knob level. Start with a lower setting and gradually increase to desired effect.

7. SPECIFICATIONS

- **Model:** FV01
- **Dimensions:** 4.9"L x 3.4"W x 2.4"H (12.4 x 8.6 x 6.1 cm)
- **Weight:** 1.23 pounds (0.56 kg)
- **Power Requirement:** 9V DC, 500mA (center negative)
- **Hardware Interface:** HP-HSC
- **Signal Format:** Digital
- **Phantom Power:** 48V (switchable)
- **Effects:** Pitch Correction, Reverb (Room, Hall, Plate), Delay (Tape, Digital, Slap)
- **Vocal Tone Modes:** Warm, Bright, Normal
- **Output Modes:** Individual, Mix

8. WARRANTY AND SUPPORT

FLAMMA products are designed for reliability and performance. For detailed warranty information, please refer to the official FLAMMA website or contact your local distributor.

For technical support, product inquiries, or service, please visit the official FLAMMA store or contact their customer service:

- **Official FLAMMA Store:** [Visit FLAMMA Store on Amazon](#)
- **User Manual (PDF):** A downloadable PDF version of the user manual is available [here](#).

Please retain your proof of purchase for any warranty claims.

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