FLAMMA

# FV04

## Harmony

## Owenr's Manual

# Content

Precautions---------- 01
Features---------- 02
Layout----------03-04
Instructions---------- ---------- 05-08
Specifications---------- 09

# Precautions

**Please read carefully before proceeding**

**Power Supply**

Please use power supply with 9V and at least 150mA current value for the unit. Incorrect power suuply may cause short-circuit and damage.
Please turn off the power supply if the device is not used for long period.

**Important Safety Instructions**

1. Read these instructions
2. Keep these instructions
3. Heed all warnings
4. Follow all instructions
5. Do not use this apparatus near water
6. Clean only with a dry cloth
7. Do not install near any ventilation openings. Install in accordance with the manufacturer' s instructions
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparati (including amplifiers)that produce heat
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade of the third prong are provided for your safety. If the provided plug does not fit into your outlet consult an electrician for replacement of the obsolete outlet
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point

**FCC certification**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference
- This device must accept any interference received, including interference that may cause undesired operation

# MainFeature

1. 12 pitches with 11 different harmony mode
2. Dedicated reverb designed for vocal
3. Support Guitar in with individual guitar reverb effect
4. Support 48V phantom power
5. Can be used as a microphone amplifier or a traditional stompbox
6. Two different output modes for mixed signal or individual signal from guitar and microphone

# Layout

01
02
03
04
05
06
07
08
09
10
11
12
13
14
LINE IN
GAIN
48V
MIC
XLR OUT
LIFT
GND
DC IN
9V 500mA
MODE
1.Oct－ 7.Oct－ & Oct＋
2.5th L 8.5th L & 3rd H
3.3rd L 9.5th L & 5th H
4.3rd H 10.3rd L & 3rd H
5.5th H 11.3rd H & 5th H
6.Oct＋
GUITAR OUT
KEY
MODE
LEVEL
SHARP
R: OFF B:ON
HARMONY
FV04
FLAMMA
GUITAR IN

# Layout

01 **MODE：** 11 different harmony mode

02 **KEY：** Scale section

03 **LEVEL：** Harmony volume control/vocal or guitar reverb volume control

04 **SHARP LED button：** Semitone/vocal tone mode

05 **FOOTSWITCH:** On/off of the pedal

06 **GUITAR IN：** : Guitar signal input

07 **GUITAR OUT：** Guitar signal out put

08 **MIC：** Microphone input

09 **GAIN：** Microphone gain level adjustment

10 **LINEIN**: Linesignal on/off

11 **48V**: On/off of 48V phantom power

12 **XLROUT**: Balanced output

13 **LIFT/GND**: : Grounding switch

14 **DCIN**:Connect to power supply

# Instructions

**1.Select different keynote**

Select a correct keynote can help to get accuracy harmony effect. FV04 provide 12 different keynotes.

- Rotate the KEY to select between C, D, E, F, G, A, B scale
- Press the SHARP to get higher semitone for Db, Eb, F#, Ab, Bb

R：OFF--- SHARP　　B：ON-----SHARP

**2.Select major/minor scale**

- FV04 provides major and minor scale selection. Press the SHARP twice quickly to select minor scale of current keynote, the SHARP button will keep blinking; Then press the SHARP twice again quickly to be back to major scale, the SHARP button will stop blinking.

**3.Select harmony mode**

- FV04 provide 11 different harmony mode

| Num | Harmony mode | Num | Harmony mode |
|---|---|---|---|
| 1 | OCT- | 4 | $3^{th}$ H |
| 2 | $5^{th}$ L | 5 | $5^{th}$ H |
| 3 | $3^{th}$ L | 6 | OCT+ |

| Num | Harmony mode | Num | Harmony mode |
|---|---|---|---|
| 7 | OCT- & OCT+ | 10 | 3rd L & 3rd H |
| 8 | 5th L & 3rd H | 11 | 3rd H & 5th H |
| 9 | 5th L & 5th H | | |

- For example, when it is in C keynote

| Scale | Mode | C | Db | D | Eb | E | F | #F | G | Ab | A | Bb | B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Major | 3rd L/H | E | F | F | G | G | A | B | B | C | C | D | D |
| Major | 5th L/H | G | A | A | B | B | C | D | D | E | E | F | F |
| Min | 3rd L/H | Eb | F | F | G | Ab | Ab | Bb | Bb | C | D | D | Eb |
| Min | 5th L/H | G | Bb | Bb | Bb | C | C | D | D | Eb | F | F | G |

**4. Reverb effect**

- FV04 has individual reverb effect for vocal and guitar.
- **Vocal reverb:** Press and hold the SHARP button while rotating the LEVEL knob to adjust the reverb effect
- **Guitar reverb:** Press and hold the footswitch to enter hidden mode, footswitch LED will turn yellow, rotate the LEVEL knob to adjust the reverb effect.

# Instructions

**5.TONE mode of vocal**

- Press and hold the footswitch to enter hidden mode. Press the SHARP to switch between three different vocal tone mode, The LED of SHARP will show currently selected mode
- Normal (LED off); Warm (Red LED); Bright (Blue LED)
- Press and hold the footswitch again to quit hidden mode. SHARP LED will show as before.

**6.Footswitch mode**

- When the FV04 is off, press the footswitch to turn on both harmony and reverb effects the footswitch LED will stay green.
- When the FV04 is on, press the footswitch twice quickly to turn off both harmony and reverb effects, the footswitch LED will turn off.
- Press footswitch once to turn on/off harmony effect. Red footswitch LED for harmony off; Green footswitch LED for harmony on.
- Press and hold the footswitch to enter hidden mode, the footswitch LED will turn yellow; Press and hold the footswitch

**7.Line in mode**

- Toggle the LINE IN switch to turn on the line in mode. When it is on, user can connect microphone amplifier to the MIC IN jack, or connect other different FV series pedals.

**8.Output mode**

Press and hold the footswitch while power on FV04 to switch between individual output mode and mixed output mode, the TONE button and footswitch LED will blink a while then turn off. The color of TONE button and footswitch LED will indicate the current mode. Blue for individual mode; red for mixed mode.

- **Individual mode**

Guitar signal will only go out from GUITAR OUT; microphone signal will only go out from XLR OUT.

- **Mixed mode**

Guitar and microphone signal will go out from both GUITAR OUT and XLR OUT.

# Specifications

**GUITARIN:** 1/4''mono audio jack (impedance value: 1M ohms)

**GUITAROUT:** 1/4''mono audio jack (impedance value:100 ohms)

**Mic:** XLR balanced input jack (impedance value:2.14kohms)

**XLROUTPUT:** XLR balanced output jack (impedance value:300 ohms)

**Powerrequirements:** AC adapter 9V DC

**CurrentDraw:** 500mA

**Dimension:** 86.6x125x60mm

**Weight:** 0.371kg

**Freq:** 20Hz-20KHz

**Accessories:** Safety Instruction &Warranty Card，Sticker，quick guide