

Fender®

HAMMERTONE™

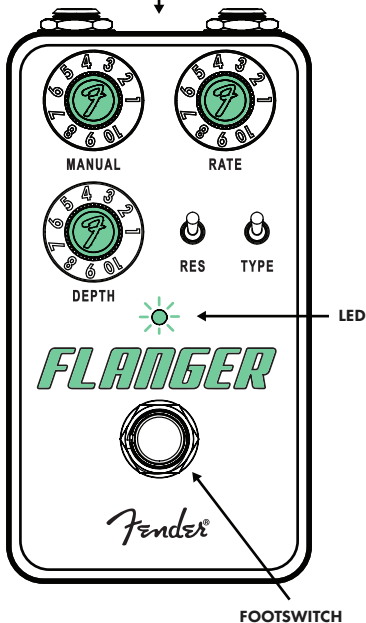
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***FLANGER***

DC POWER CONNECTOR

OUTPUT JACK

INPUT JACK





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## HAMMERTONE FLANGER

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Thanks for purchasing the Hammertone Flanger—an indispensable effect that adds that classic otherworldly swirl to your sound.

Achieve that ethereal jet-liner whoosh with rate, depth and manual controls, and use the Type and Resonance switches to tailor the flanging flavor even more. Flanging is an essential element in the arsenal of any guitarist, and the Hammertone Flanger puts that great surging sound at your feet in every shade from subtle to striking.

## **OUTPUT JACK**

Low-impedance output connects to amp or next pedal in signal chain.

## **INPUT JACK**

High-impedance input for electric guitar, bass, acoustic guitars with pickup systems, keyboards and other instruments.

## **DC POWER CONNECTOR**

Connect DC adapter here. Standard center-negative 9VDC jack for use with appropriate power supplies.

## **MANUAL CONTROL KNOB**

Manually adjusts flanger delay time.

## **RATE CONTROL KNOB**

Adjusts modulation rate from 0.1Hz to 10Hz.

## **DEPTH CONTROL KNOB**

Adjusts modulation depth (the range of the "sweeping" sound) from 0 to 100 percent. Lower settings produce a more subtle effect; higher settings produce a more dramatic effect.

## **RESONANCE (RES) SWITCH**

Three-position switch adjusts amount of resonance (feedback), more of which makes the harmonic sweeps more apparent and hence the flanging effect more intense. Light resonance produces a chorus effect; heavy resonance produces a stronger whoosh/jet engine-type sound. Switch positions are Heavy (up), Medium (middle) and Light (down).

## **TYPE SWITCH**

Two-position switch adjusts feedback polarity. Positive polarity (up) adds harmonics (even more so with heavier Resonance switch settings); negative polarity (down) removes harmonics.

## **LED**

Illuminates when effect is on.

## **FOOTSWITCH**

Turns effect on and off.



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**FENDER MUSICAL INSTRUMENTS CORPORATION**  
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## IMPORTANT SAFETY INSTRUCTIONS

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- **WARNING:** To prevent damage, fire or shock hazard, do not expose the unit or its AC power to rain or moisture.
- Do not alter the AC plug of the connected power adapter
- Do not drip or splash liquids on the unit.
- No user serviceable parts inside, refer servicing to qualified personnel only.
- **WARNING:** The unit must only be connected to a safety agency certified, regulated, power source (adapter), approved for use and compliant with applicable local and national regulatory safety requirements.
- Unplug the AC power adapter before cleaning the unit exterior. Use only a damp cloth for cleaning and then wait until the unit is completely dry before reconnecting it to power.
- Amplifiers and loudspeaker systems, and ear/headphones (if equipped) are capable of producing very high sound pressure levels which may cause temporary or permanent hearing damage. Use care when setting and adjusting volume levels during use.

THIS DEVICE COMPLIES WITH PART 15 OF FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

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
## ADDITIONAL LANGUAGES

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Manual available in additional languages at  
[www.fender.com/support](http://www.fender.com/support)

## SPECIFICATIONS

### IMPEDANCES POWER SUPPLY

Input: 500k $\Omega$       Output: 470 $\Omega$   
100mA min @ 9VDC regulated adapter   
5.5 x 2.1 mm barrel connector (not included)

### POWER REQUIREMENTS

9VDC

### DIMENSIONS

2.44" x 4.4" x 2.2" (62mm x 111.8mm x 55.9mm)

### WEIGHT

0.50 lbs (0.23kg)



Product specifications subject to change without notice





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### 产品中有害物质的名称及含量

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
箱体	O	O	O	O	O	O
喇叭单元*	O	O	O	O	O	O
电子部分	X	O	X	O	O	O
接线端子	X	O	O	O	O	O
电线	X	O	O	O	O	O
附件	O	O	O	O	O	O

本表格依据 SJ/T 11364 的规定编制。

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

注: 含有有害物质的部件由于全球技术发展水平限制而无法实现有害物质的替代。

\*产品含有喇叭单元时有效。