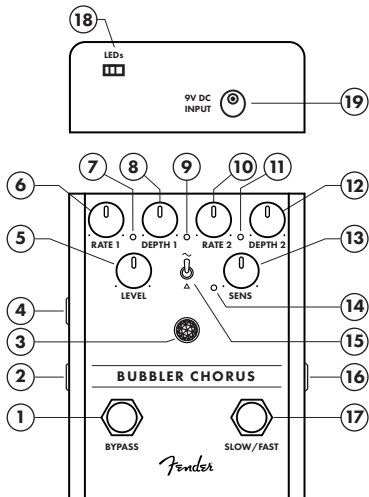


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**BUBBLER CHORUS**

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- |                                 |                                 |
|---------------------------------|---------------------------------|
| <b>1. Bypass Footswitch</b>     | <b>11. Rate 2 LED</b>           |
| <b>2. Right Output Jack</b>     | <b>12. Depth 2</b>              |
| <b>3. Jewel Indicator</b>       | <b>13. Sensitivity</b>          |
| <b>4. Left/Mono Output Jack</b> | <b>14. Sensitivity LED</b>      |
| <b>5. Level</b>                 | <b>15. Wave Type Switch</b>     |
| <b>6. Rate 1</b>                | <b>16. Input Jack</b>           |
| <b>7. Rate 1 LED</b>            | <b>17. Slow/Fast Footswitch</b> |
| <b>8. Depth 1</b>               | <b>18. LED Kill Switch</b>      |
| <b>9. Center LED</b>            | <b>19. DC Power Connector</b>   |
| <b>10. Rate 2</b>               |                                 |

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## **BUBBLER CHORUS**

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Thanks for purchasing the Bubbler Chorus — a modern take on a timeless modulation effect. The Bubbler is a classic sounding bucket brigade-based chorus pedal with modern flexibility. Switch back and forth between Slow and Fast speeds using the footswitch or control the rate of modulation with your playing dynamics via the Sensitivity control. The Bubbler Chorus can add depth and interesting textures to any rig.

DESIGNED IN CALIFORNIA, U.S.A.

## Rate 1

While the **Slow** speed is selected, the Rate 1 control adjusts the speed of the modulation.

## Rate 1 LED

This LED is illuminated when the **Slow** Speed is engaged. Rate 1 and Rate 2 are active when this LED is on.

## Depth 1

While the **Slow** speed is selected, the Depth 1 control adjusts the intensity of the chorus.

## Center LED (LED between Depth 1 and Rate 2)

This LED blinks in time with the rate of the Bubblers.

## Rate 2

While the **Fast** speed is selected, the Rate 1 control adjusts the speed of the modulation.

## Rate 2 LED

This LED is illuminated when the **Fast** Speed is engaged. Rate 1 and Rate 2 are active when this LED is on.

## Depth 2

While the **Fast** speed is selected, the Depth 1 control adjusts the intensity of the chorus.

## Level

The Level control adjusts the amount of the chorused signal added to your instrument's dry signal.

## Wave Type Switch

This switch allows you to toggle between sine and triangle shaped modulation.

## Sensitivity

When the **Slow** mode is engaged, the Sensitivity control adjusts the threshold for the Bubbler's dynamically controlled rate. As the Sensitivity is turned clockwise, the Bubbler can automatically switch from **Slow** to **Fast** settings with the changes in your instrument's volume—softer playing will keep the Bubbler set to your **Slow** settings; louder playing will send the Bubbler ramping up to your **Fast** settings. Turn the Sensitivity control fully counter-clockwise to disable this feature.

## **Sensitivity LED**

This LED will illuminate when your instrument's signal passes the threshold set with the Sensitivity control to ramp the Bubbler's chorusing speed from the **Slow** settings to the **Fast** settings.

## **Jewel Indicator**

The Jewel Indicator shows when the chorus effect is active.

## **Bypass Footswitch**

This footswitch is used to bypass the effect.

## **Slow/Fast Footswitch**

This footswitch is used to toggle between the **Slow** and **Fast** chorus speeds. The **Slow** controls are **Rate 1** and **Depth 1**; the **Fast** controls are **Rate 2** and **Depth 2**.

## **Input Jack**

This is a high-impedance input suitable for electric guitar, bass, acoustic guitars with pickup systems, keyboards and other instruments.

## **Left/Mono Output Jack**

This is a low-impedance output jack that connects to the amp or to the next effect pedal in a mono signal chain.

## **Right Output Jack**

This is a low-impedance output jack that connects to the amp or to the next effect pedal in a stereo signal chain.

## **DC Power Connector**

This is a standard center-negative 9VDC jack for use with appropriate power supplies.

## **LED Kill Switch**

This switch extinguishes the LEDs that illuminate the knobs.

A PRODUCT OF:  
**FENDER MUSICAL INSTRUMENTS CORPORATION**  
CORONA, CALIFORNIA, USA

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P/N 7715386000 - REV A

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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

<b>IMPEDANCES:</b>	INPUT: 500k $\Omega$	OUTPUT LOAD: >10k $\Omega$
<b>POWER SUPPLY:</b>	9VDC regulated adapter, 5.5 x 2.1 mm barrel connector, center negative	
<b>POWER REQUIREMENTS:</b>	80mA @ 9VDC + 	
<b>DIMENSIONS:</b>	3.75" x 4.9" x 2.5" (95.25mm x 124.5mm x 63.5mm)	
<b>WEIGHT:</b>	1.2lbs (.54kg)	



Product specifications subject to change without notice





# Fender®

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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。