

FISHMAN[®]

INSTALL GUIDE
FLUENCE P90 PICKUPS

System Requirements

These instructions provide installation options for the Fishman Fluence series of multi-voice pickups, but these instructions are not comprehensive. A skilled electronics technician can simply interpret this overview to create a wide range of custom wiring options. Please consult with your installer for alternate switching and control components or options not specifically detailed in this guide or included with your pickup purchase. Please visit www.fishman.com for additional wiring diagrams.

Installation Warning!

By self-installing and/or misusing this product, you understand and agree that and such uses are high risk activities and, to the extent permitted by law, YOU EXPRESSLY AND VOLUNTARILY ASSUME THE RISK OF DEATH OR OTHER PERSONAL INJURY SUSTAINED WHILE PARTICIPATING IN SUCH ACTIVITIES WHETHER OR NOT CAUSED BY THE NEGLIGENCE OR ANY OTHER FAULT of Fishman, including but not limited to equipment malfunction from whatever cause, or any other fault of Fishman. Additionally, you agree to indemnify, defend and hold Fishman harmless from any third party claims arising from such activities.

Getting Started

1. Determine the rotary controls (Volume, Tone, etc.) and switches to be used in your installation, including those included with your purchase. Test fit the components to make sure that each will fit in the allocated locations or modify the instrument until the fit is correct and all controls can be located without issue. Fishman Fluence Pickups are low impedance and perform ideally with 25K audio taper potentiometers.

2. Fishman Fluence multi-voice pickups require a 9V power supply.

- If using a standard 9V battery, test fit cavity locations for simple installations or consider installing an externally accessible battery compartment (available separately.) Note that it is important the battery is not allowed to short contacts between controls in the instrument.
- If using a separately purchased Fishman rechargeable battery, refer to those instructions to complete this part of your installation.
- Note that it may be possible to combine other active pickups with Fishman Fluence pickups, but all pickups will need to use the same 9V power source. Only low impedance pickup combinations are supported.

3. One or more of your Fluence pickups will have a preamp built into the base of the pickup assembly. Preamplified pickups each have their own switching capabilities. In setups controlled by a single preamp, such as the Fluence Single-Width set, optional switching on the preamplified pickup will alter the output of all pickups connected to that preamplifier. The preamps on Fishman Fluence pickups are not suitable for use with other brands of guitar pickups.

4. Review your planned scheme for errors, complete the soldering, mount and secure all your components, and test your completed installation before assembly. Consider a popular wiring option as shown on the reverse side of this guide. Before pickup installation, please review our pickup routes and dimensions at fishman.com



Fluence P-90 - Connection Points & Functions

1. Voice-2 Select Wire - To select Voice-2, connect this pin to ground through a switch contact or permanently by soldering it to any ground or by using one of the included jumpers across the pins.

This pin is an electronically controlled switch and has no signal on it. It can share a switch contact with other voice select wires without interaction.

Note: The Voice-3 select pin (3) over rides Voice-2 select. Therefore, the Voice-3 pin must be disconnected (not grounded) to allow Voice-2 selection.

2. Voice-3 Select Wire - To select Voice-3, connect this pin to ground through a switch contact.

When selected, Voice-3 mode over rides the status of Voice-1 or 2.

3. +9-18V - This is the + dc power input pin. Fluence pickups are designed to have a wide dynamic range running from a 9V supply, however they are 18V compatible for instruments already set up that way.

4. Output - The main output pin has a 2k ohm output impedance and is suitable for driving low impedance volume and tone pots, typically 25k.

P90 Set

1 x Volume, 1 x Tone

Volume: Pull for Voice-3 Bridge/Neck

Tone: Pull for Voice-2 Bridge/Neck



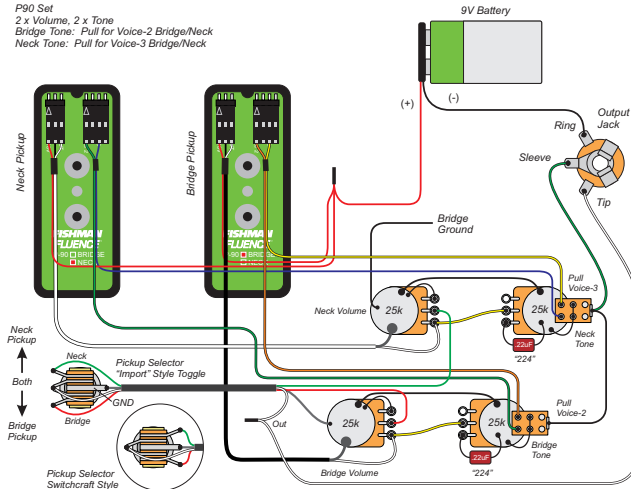
FISHMAN FLUENCE™

P90 Set

2 x Volume, 2 x Tone

Bridge Tone: Pull for Voice-2 Bridge/Neck

Neck Tone: Pull for Voice-3 Bridge/Neck



P90 Set
Neck Volume: Pull for Neck Phase Reverse
Bridge Volume
Neck Reactive Tone: Pull for Voice-3 Bridge/Neck
Bridge Reactive Tone: Pull for Voice-2 Bridge/Neck
Rechargeable Battery Pack



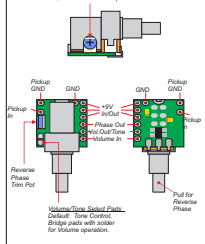
The Fluence Reactive Tone Control for active pickups is designed to provide precise tone shaping and enhanced resonance when fully rolled off, compared to standard tone controls.

Backing down from full clockwise, the upper adjustment range precisely attenuates the treble frequencies while leaving the midrange intact. As the control approaches full counterclockwise, the response shifts to resonate with the main tone capacitor, creating a dark vocal tone. This action will feel very familiar to those accustomed to tone controls of traditional passive pickups.

From a wiring standpoint, placing the tone control in before the volume as shown is recommended so that the volume can be adjusted without affecting the response.

Reverse Phase Trim Control

Adjusts the level of the pickup when reverse phase is activated to fine tune the blend for optimal tone.
Adjustment range: -2dB to +3dB
For 2xVolume setups where the blend is externally controllable, set trim at 0dB mid position as shown.





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