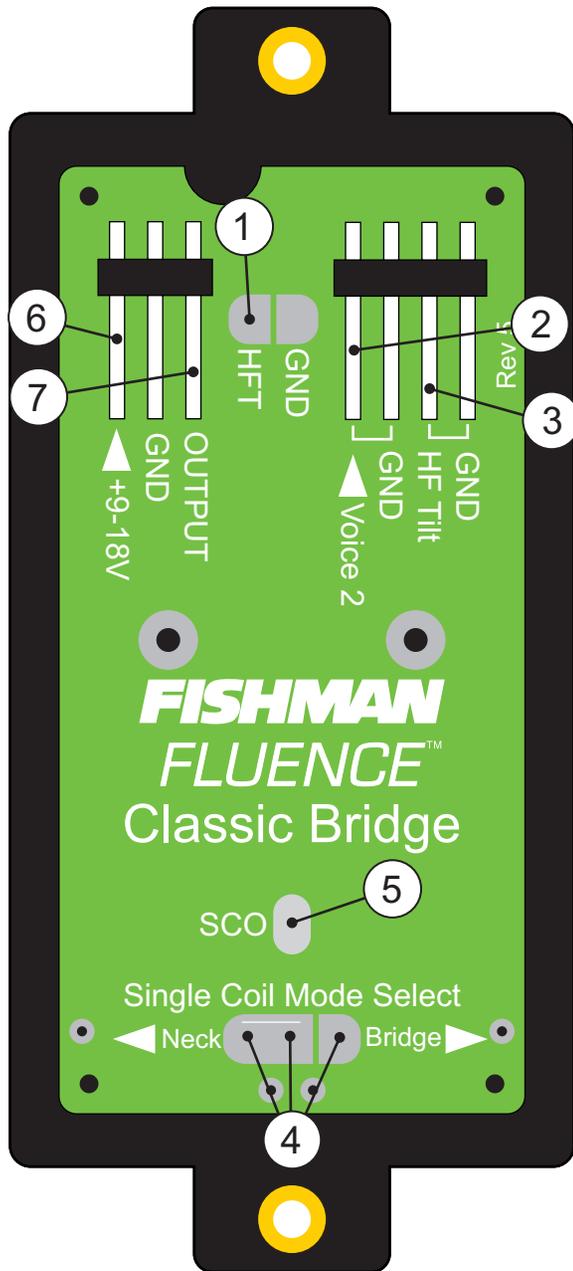


Fluence Classic Humbuckers Rev4&5 - Connection Points & Functions



1. HFT (High Frequency Tilt) - This feature is for players who prefer a darker top end, similar to the effect of using passive pickups loaded by a long instrument cable.

To activate, connect the HFT contact pad to ground either wired through a switch or permanently by creating a solder bridge to the GND pad next to it.

The HFT pad has signal on it. To prevent unwanted interaction, it should not share a switch contact with any other HFT or voice select wire.

2. 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 Single Coil / 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.

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

In Single Coil mode, the default active coils are the inner ones when used as a Bridge/Neck pair. (i.e. neck side coil active on Bridge pickup and bridge side coil active on Neck) See Note (4) to change default active coils in Single Coil mode.

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

4. Single Coil Mode Select - A row of three solder pads is used to select the active coil in Single Coil / Voice-3 mode.

The active coil is selected by a solder bridge connecting the corresponding outer pad to the center one. The pickups ship from the factory with the inner coils (when used as a Bridge/Neck pair) set as the default.

To change the active coils to the outer ones, remove the solder bridge and create a new one from the other outer pad to the center. To avoid damaging the pads, solder wick or a desoldering pump are strongly recommended for removing the solder bridge.

5. SCO (South Coil Out) - This solder pad is used to conveniently access the south coil output on each pickup for HSH (Humbucker, Single, Humbucker) and HSS pickup combinations using the Fluence SSA Single width pickup.

The south coil is on the neck side of each pickup. The SSA pickup is a north coil, allowing hum cancelling combinations in the 2&4 positions on a 5-way pickup switch.

6. +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.

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