



Dragon Pedals

Solid-State Switcher A for The GigRig™ G2/G3 User Guide

FENDER TWO-BUTTON THREE-FUNCTION VOLTAGE SENSING FOOTSWITCH
REPLACEMENT

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Introduction

Several Fender amplifier models now use footswitches that are extensions of the voltage sensing circuit for channel selection, and option selection for the amplifier.



Here are some examples of amplifiers that use the two-button three-function footswitches: BASSBREAKER 30R™, HOT ROD DELUXE™, HOT ROD DEVILLE™, DELUXE 90™, STAGE 160™, STAGE 100™, STAGE 100™ HEAD, FM 212R™, FM 100™ HEAD.

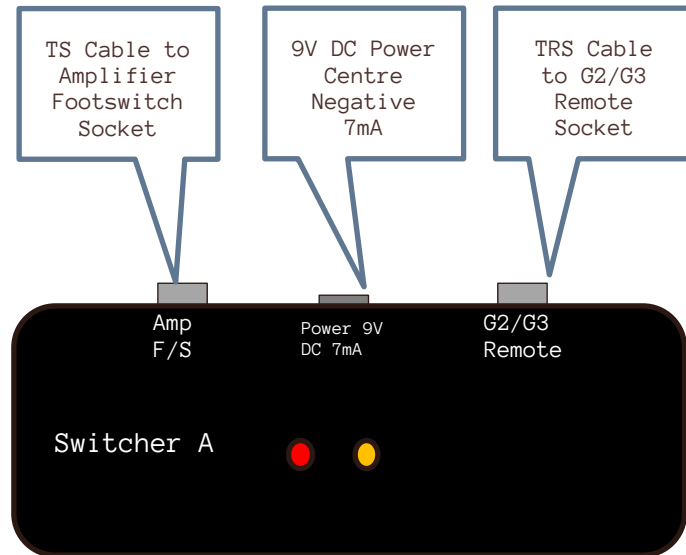
The footswitches provided by Fender contain a circuit known as #050416 dated 1996. These footswitches appear to have the same internal circuit but different housings. The switcher box should work with any of the new *two-button three-function* footswitches.

The amplifier's switching circuit uses a pulsed DC voltage that senses different positive and negative voltage levels and switches the *Channel Select* and *Drive / More Drive* circuits as required.

The purpose of the Solid-State Switcher A (Switcher) is to replace the standard push button footswitch with a solid-state switching system that interfaces with The GigRig™ G2/G3 via the Remote TRS interfaces allowing you to use the GigRig™ G2/G3 instead of the amplifier's footswitch.

The Switcher

The diagram below shows the various parts of the switcher:



Making Connections

Amp F/S – Connect to the amplifier’s Footswitch socket using a TS cable (standard instrument cable).



Figure 1 – TS Style Connector

G2/G3 Remote – Connect to the GigRig™ G2/G3 Remote socket – it can be either one, it doesn’t matter which.



Figure 2 – TRS Style Connector

Power 9V – Connect to your power supply. Should comply with 9V DC, Centre Negative, 7mA.

Configuring the GigRig™ G2/G3

To make use of the Switcher box select the Ring or Tip when configuring the GigRig™ G2/G3 footswitch. Please see the GigRig™ G2/G3 user guide for further information on configuring the GigRig™ G2/G3 switcher.

Ring – Equivalent to the left-hand button on the amplifier footswitch.

Tip – Equivalent to the right-hand button on the amplifier footswitch.



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