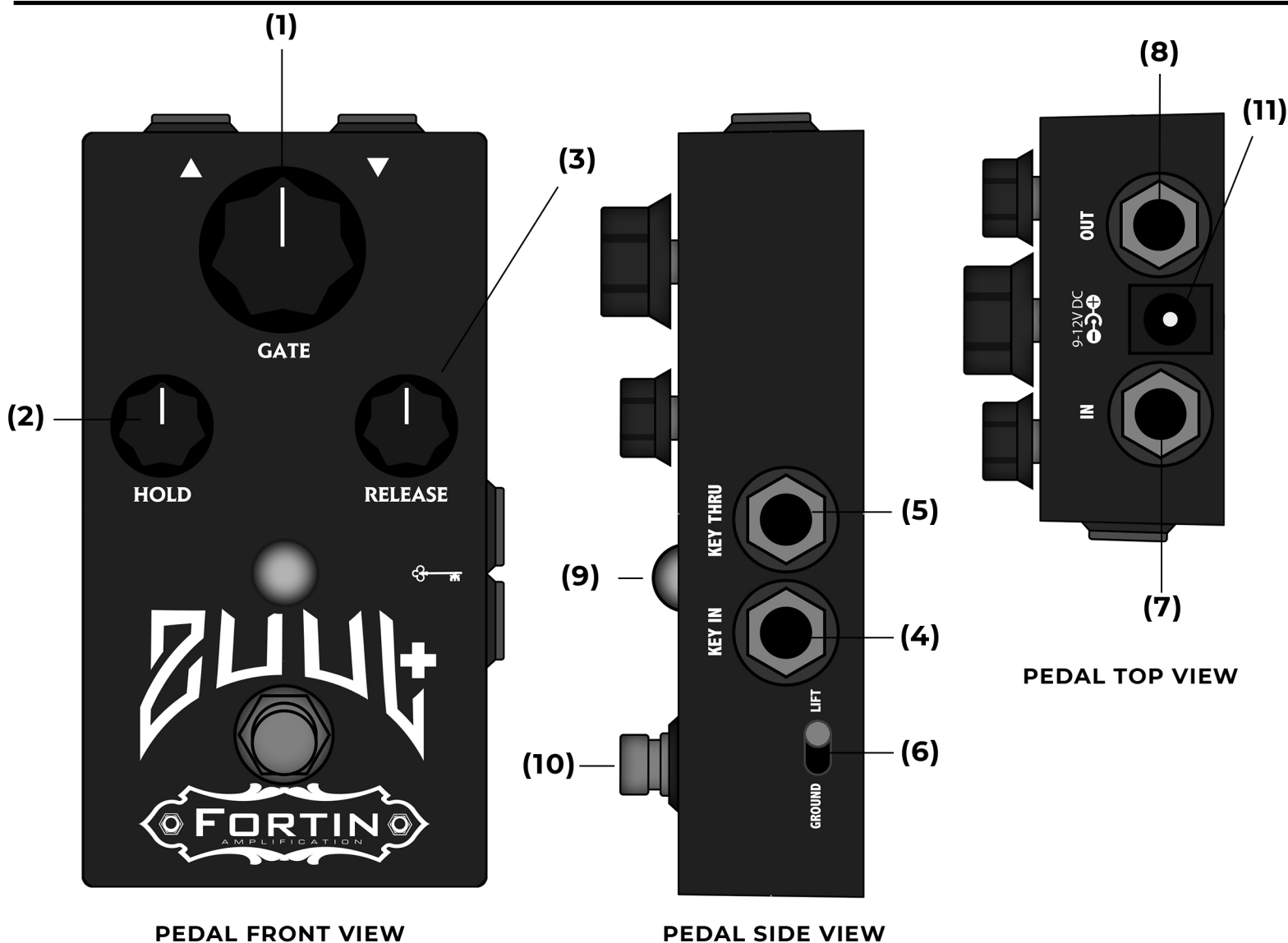




INSTRUCTION MANUAL



PEDAL FRONT VIEW

PEDAL SIDE VIEW

PEDAL TOP VIEW

(1) Gate	Adjusts how much level is required to open the noise gate and allow a signal to pass through.
(2) Hold	Controls the time which keeps the gate open during brief pauses in the signal source.
(3) Release	Controls the length of time the gate takes to change from open to fully closed after the HOLD time is over. It is the fade-out duration. A fast release abruptly cuts off the sound, whereas a slower release smoothly attenuates the signal from open to closed, resulting in a slow fade-out.
(4) Key In	Instrument Cable to Guitar. <ul style="list-style-type: none"> Plug your Guitar Directly into this so the Zuul can trigger directly from your guitar without being affected by Boosts, Overdrives, or Fuzz. The Zuul functions normally as a gate without the use of the Key Input (2CM application) but for best results we recommend using the Key in 3CM or 4CM applications.
(5) Key Thru	Plug this into the rest of your pedal Board Chain. IE, Boosts, Overdrives, Compressors, etc. The Zuul functions normally as a gate without the use of the Key Input but for best results we recommend using the Key.
(6) Ground/Lift Switch	Use this switch to eliminate Possible Noise created by ground loops when using the KEY in 3CM or 4CM applications.
(7) Zuul IN	Instrument Cable to Amp Effects Send (If your amp does not include an Effects Send, simply plug in after your boosts and overdrives).
(8) Zuul OUT	Instrument Cable to Time Based effects like Reverbs and Delays. <ul style="list-style-type: none"> If you don't have Mods, Reverbs, or Delays Simply plug into the Return of your amp. If your amp does not include a Return Before, simply plug in before your Mods, Reverbs, or Delays.
(9) Dual Colour LED	Green = Open Red = Closed Off = Bypass
(10) Bypass Switch	True bypass footswitch.
(11) 9V or 12V DC Adapter	9-12V DC user-optional for increased headroom via charge-pump internal supply. 40mA Center Pin Negative (Fully Regulated) external Adapter only (not included).



INSTRUCTION MANUAL

How to Hook Up the ZUUL+ on your Pedalboard

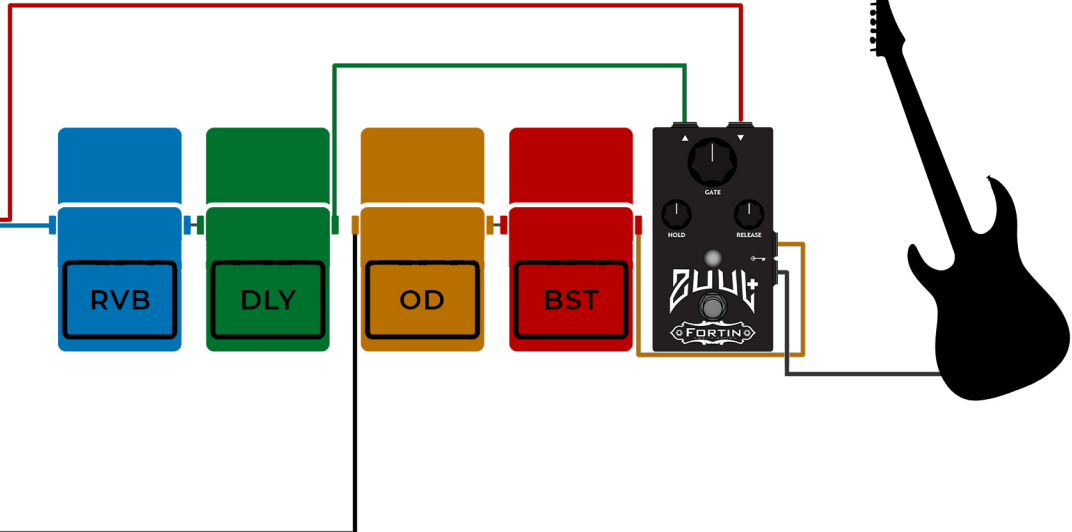
4 CABLE METHOD WITH AMP SEND / RETURN:

GUITAR > ZUUL KEY IN > ZUUL KEY THRU > BOOSTS > OVERDRIVES > AMP INPUT
AMP SEND > ZUUL IN > ZUUL OUT > DELAYS > REVERBS > AMP RETURN

AMP BACK



AMP FRONT

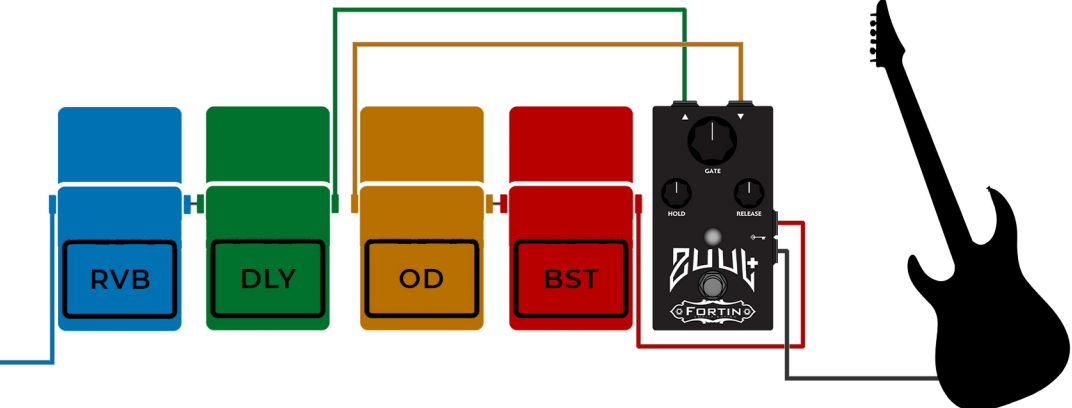


4 CABLE METHOD WITHOUT AMP SEND / RETURN:

GUITAR > ZUUL KEY IN > ZUUL KEY THRU > BOOSTS > OVERDRIVES > ZUUL IN
ZUUL OUT > DELAYS > REVERBS > AMP IN



AMP FRONT



WARNING: In order to access the KEY function, a jack has to be inserted into the KEY IN. If there is a cable connected to the KEY THRU with no KEY IN and the IN and OUT jacks are connected to an amp's loop, it will create feedback/oscillation. DO NOT disconnect the cable from the KEY INPUT feedback loop while your amp is powered on when using the 4 cable method.

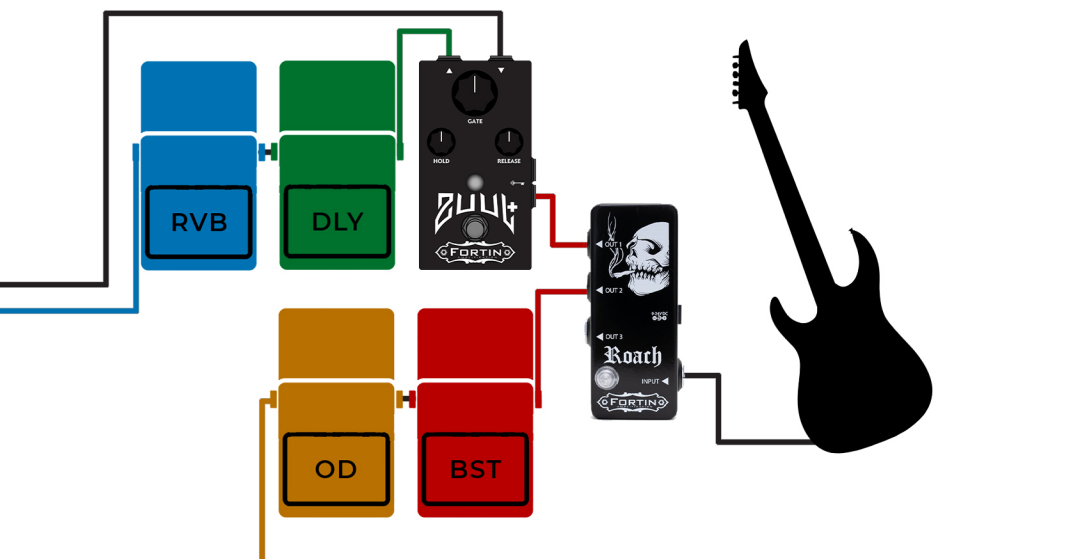
3 CABLE METHOD WITH AMP SEND / RETURN (SPLITTER REQUIRED):

GUITAR > SPLITTER (OUT 1) > ZUUL KEY IN
AMP SEND > ZUUL IN > ZUUL OUT > DELAYS > REVERBS > AMP RETURN
SPLITTER (OUT 2) > BOOSTS > OVERDRIVES > AMP INPUT

AMP BACK



AMP FRONT





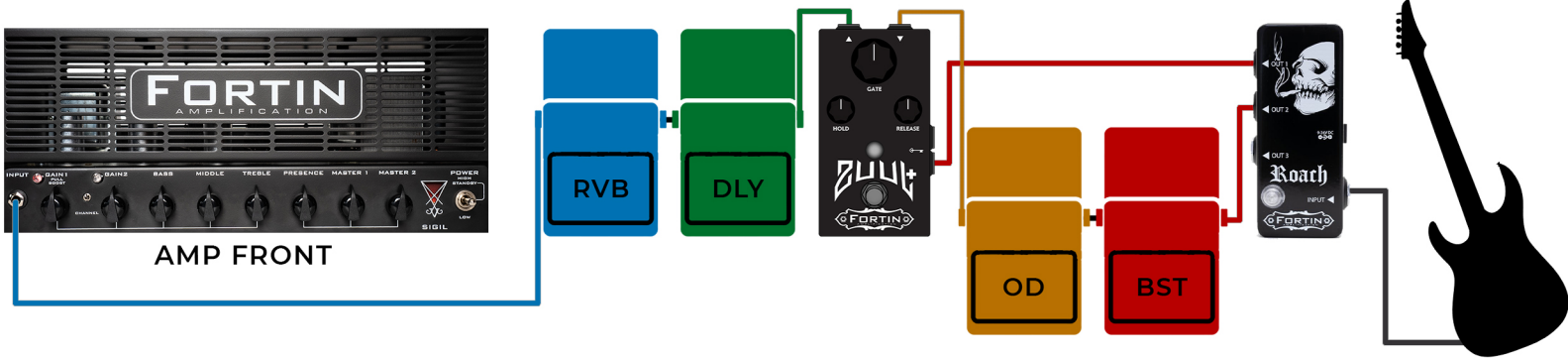
How to Hook Up the ZUUL+ on your Pedalboard

INSTRUCTION MANUAL

3 CABLE METHOD WITHOUT AMP SEND / RETURN (SPLITTER REQUIRED):

GUITAR > SPLITTER (OUT 1) > ZUUL KEY IN

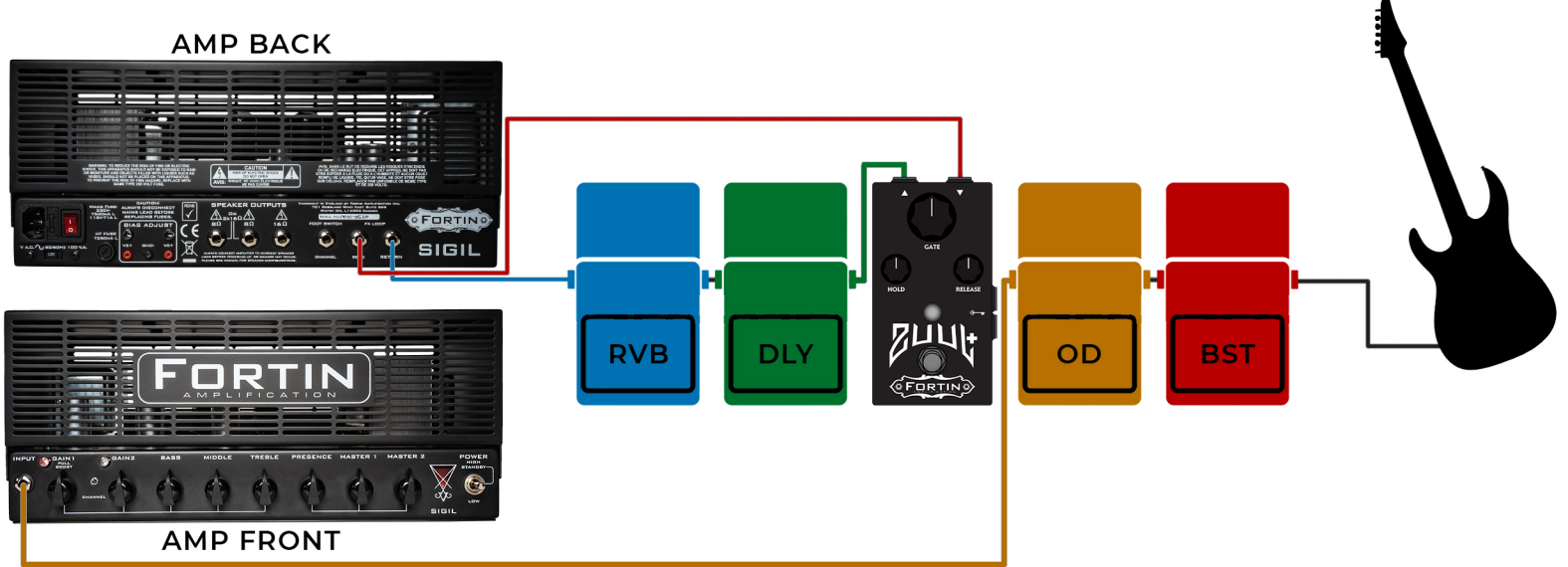
SPLITTER (OUT 2) > BOOSTS > OVERDRIVES > ZUUL IN > ZUUL OUT > DELAYS > REVERBS > AMP



2 CABLE METHOD WITH AMP SEND / RETURN:

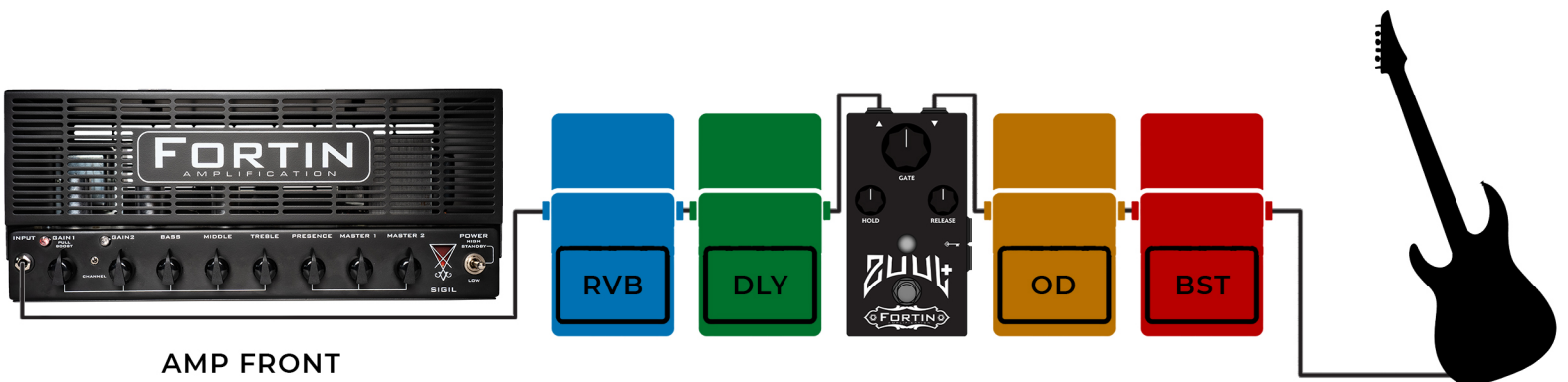
GUITAR > BOOSTS > OVERDRIVES > AMP

AMP SEND > ZUUL IN > ZUUL OUT > DELAYS > REVERBS > AMP RETURN



2 CABLE METHOD WITHOUT or BEFORE AMP SEND / RETURN:

GUITAR > BOOSTS > OVERDRIVES > ZUUL IN > ZUUL OUT > DELAYS > REVERBS > AMP IN



WARNING: 2 Cable Method will result in the Zuul responding to signal affected by pedals or signals before the Zuul.

EXAMPLES:

- Your gate's knob responsiveness will change when using a boost or overdrive.
- If your amp produces hum or noise, and you use the Zuul in the front of the amp the Zuul will not gate the noise.
- If you use the Zuul in the Send / Return without a Key it will respond to the Amp's Signal rather than your guitar. Your amp's signal is more saturated and less detailed so the Zuul's responsiveness is less accurate.

This is why the 4CM and the 3CM methods are the most preferred methods.