



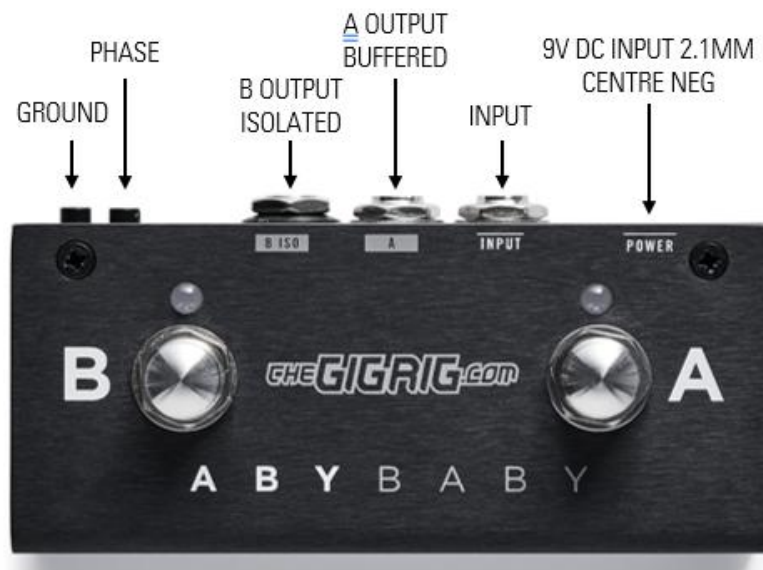
# ABY-BABY MANUAL V3

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## 1. INTRODUCTION

The GigRig ABY BABY is a powerful yet compact active ABY splitter that uses our Transformer-less, Balanced Isolation design. Output B is also phase reversible. With 3 separate modes of operation you can select the outputs individually or flip/flop between them. It also features our own OptoKick™ footswitches, designed for extreme durability. With its huge amount of headroom the ABY BABY is designed to work with anything from standard passive instrument signal levels to higher-output line levels.



## ABY BABY FUNCTIONS

- **FOOTSWITCH A** – Activates output A
- **FOOTSWITCH B** – Activates output B
- **INPUT** – Plug instrument or signal in here
- **POWER** – Uses a 9V DC 2.1mm centre-negative power supply @150mA
- **OUT A** – Low Impedance output
- **OUT B ISOLATED** – Uses our Transformer-less Balanced Isolation design
- **OUT B PHASE** – Reverses the phase on output B
- **EARTH LIFT** – Lifts the ground connection on output B

## 2. IN OPERATION

Connect a standard 9V DC centre-negative 2.1mm plug power supply capable of delivering at least 150mA.

Plug your signal source into the INPUT. Connect your first amp to either the Buffered or Passive A output.

**IMPORTANT:** Output A is your main ground connection, so always connect it first.

Connect your second amp to Output B. Use the OptoKick™ footswitches to select which amplifier(s) to use.

### Mode 1

Mode 1 allows you to individually enable and disable each output per footswitch. A toggles output 1 on and off, and B toggles output 2 on and off. Mode 1 is set as default, but to enable it, hold down footswitch B on power up.

### Mode 2

This mode allows you to flip flop between outputs A and B. Engaging Output B automatically disengages output A, if enabled and vice versa. To set this mode, hold down both footswitches on power up.

### Mode 3

Mode 3 allows you to flip flop between both outputs on the A footswitch and enable both outputs at the same time on the B footswitch. To set this mode, hold down the A footswitch on power up.

### PHASE SWITCH (Output B):

This reverses the phase of Output B relative to Output A. When both amps are active, toggle the phase switch and listen—whichever setting provides more bottom end and volume means the outputs are in phase.

### EARTH LIFT (Output B):

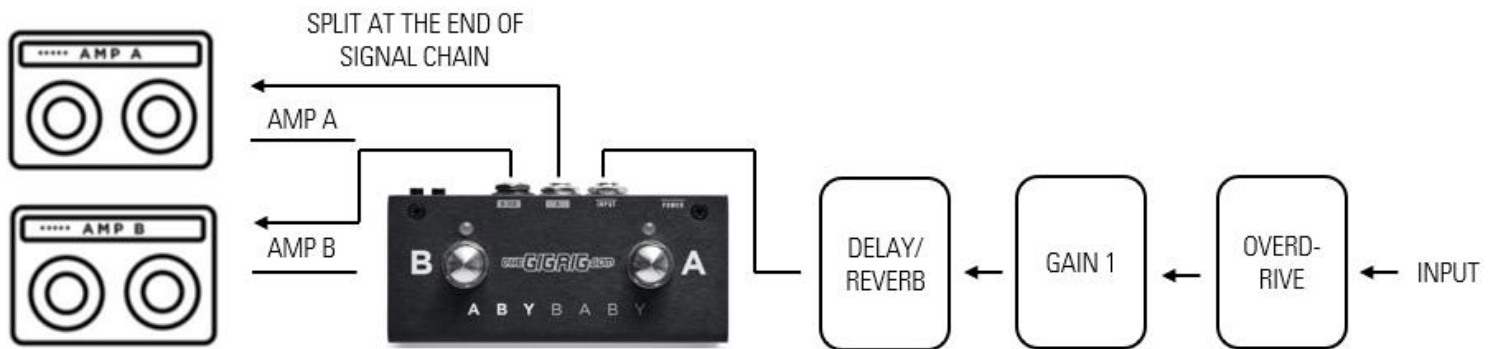
Pushing this switch in connects signal ground to Output B. With the button out (depressed), ground is lifted—creating galvanic isolation between outputs A and B. This helps eliminate hum caused by ground loops when using two amps.

**NOTE:** Output B uses our Transformer-less Balanced Isolation. This means you have no transformer coloration on your isolated output. It perfectly mirrors Output A, and the phase switch functions regardless of the Earth Lift setting.

### 3. SET UP EXAMPLES

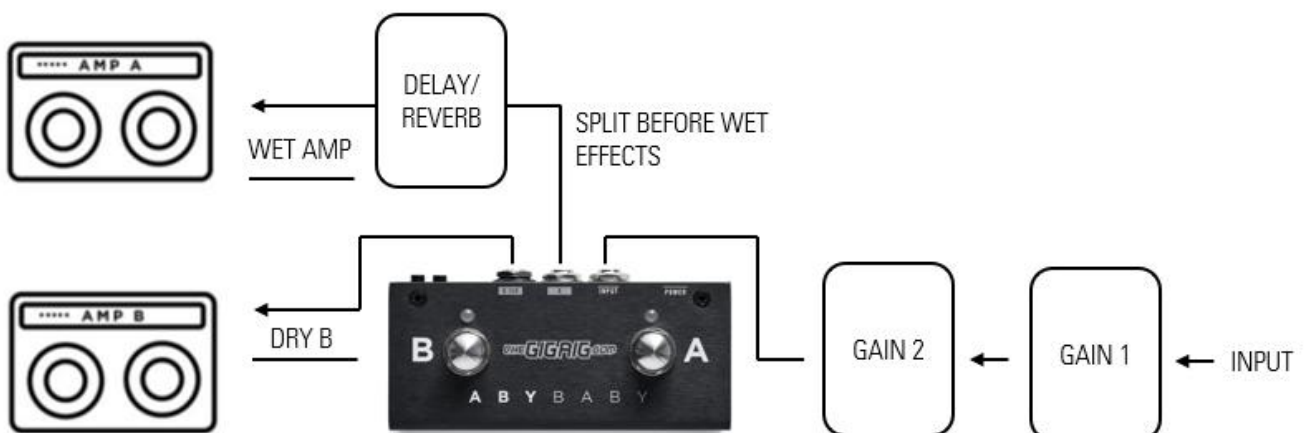
#### STANDARD AMP SWITCHING:

The most common setup is placing the ABY BABY at the end of your signal chain to choose between two amps. Use it to toggle between clean and driven amps or to add a second amp for solos or ambient spread.



You can also use the ABY BABY to split your signal into a wet/dry rig. A typical TPS Wet/Dry configuration sends the B Isolated output to your dry amp, while the A Buffered/Passive output routes to your wet effects (delay, reverb, etc.) and then to your wet amp. This creates a faux stereo field from a dual mono setup.

There are many creative ways to configure the ABY BABY. Its phase-reversing, ground-lifting, and flexible output control features ensure compatibility in virtually any rig.



#### 4. TECHNICAL SPECIFICATIONS

**Supply Voltage:** 9V DC

**Supply Current:** Max 150mA at 9V

**Input Signal Levels:**  $\pm 9V$  (18V peak-to-peak headroom)

**Output A (Buffered):**

- Input impedance: 680k $\Omega$
- Output impedance: 100 $\Omega$
- Noise: 3nV/ $\sqrt{\text{Hz}}$
- Frequency response: 7Hz–100kHz into 1M $\Omega$

**Output B (Transformer-less Balanced Isolation):**

- Input impedance: 680k $\Omega$
- Output impedance: 100 $\Omega$
- Noise: 3nV/ $\sqrt{\text{Hz}}$
- Frequency response: 5Hz–100kHz at guitar levels

**Footswitches:**

- OptoKick™ optical switches – zero mechanical switching

**Length:** 11.5cm / 4.52"

**Width:** 5cm / 2"

**Height:** 4cm / 1.57"

**WEIGHT** - 0.22kg / 0.48lb



## 5. WARRANTY

The GigRig warrants this product to be free from defects in material and workmanship for **12 months** (or legal standard for country of delivery) from the date of original purchase.

If the product fails within the warranty period, The GigRig will repair or replace it at our discretion and cover return shipping. This warranty applies when used as recommended. It does not cover:

- Loss, theft, misuse, abuse
- Unauthorized modification or improper storage
- Lightning or natural disasters

Damage from the above may incur a non-warranty repair fee.

This warranty is not transferable to a new owner should you sell the pedal.

Legal:

In the event of malfunction, the purchaser's sole remedy is repair or replacement. The GigRig is not liable for:

- Lost profits or savings
- Damage to other equipment
- Incidental or consequential damages

The GigRig's liability will not exceed the original purchase price. All warranties other than those expressly stated are disclaimed.

Disposal:

No batteries or lead inside. Return to TheGigRig Ltd or follow local electrical disposal regulations.

Do not dispose of in household waste.

Copyright & Legal

- TheGigRig is protected by copyright, patent, and design registration.
- 'GigRig' is a registered trademark (No. 2343300).
- Unauthorized copying of design or functionality for commercial gain may lead to legal action.
- Licenses may be granted to non-competing companies.
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Compliance:

- RoHS Compliant
- Compliant with EN 60950
- Power supply approved for USA and EU regulations (see separate instructions)

Manufacturer:

The GigRig Ltd, Unit 15 Whitehill Industrial Pk, Royal Wootton Bassett, SN4 7DB

Authorised Representative:

EAS – Mustamäe tee 50, 10621 Tallinn, Estonia

Warnings:

For indoor use only. Keep away from water and children

