

**GHEGIGRIG.COM**



# ABY-BABY MANUAL

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## 1. Introduction

The ABY BABY is a versatile and compact ABY splitter, designed to deliver exceptional performance in any setup. Featuring both a buffered or true-bypass A output and a buffered, isolated, and phase-reversible B output, it offers ultimate flexibility. You can easily select each output individually or switch seamlessly between them.

Built to last, the ABY BABY is equipped with our exclusive OptoKick footswitches, engineered for extreme durability to withstand even the most demanding use. It's been designed to accommodate everything from standard passive instrument signals to higher-output line levels, making it perfect for a wide range of applications.



ABY BABY FOOTSWITCH A: Activates output A

FOOTSWITCH B: Activates output B

INPUT: Plug in here

POWER: Uses a standard 9VDC 2.1mm centre negative power supply

OUT A PASSIVE: This is the non-buffered output

OUT A BUFFERED: This is the buffered output

OUT B ISOLATED: Isolated output

FLIP/FLOP: Push (button in) into flip/flop between outputs A and B, disengage (button out) for independent control

OUT B PHASE: Flips the phase on output B

EARTH LIFT: Enables you to lift the earth on output B

## 2. In Operation

### Connecting the ABY BABY

#### 1. Power Connection:

Use a standard 9V DC power supply with a centre-negative 2.1mm plug, capable of providing at least 150mA.

#### 2. Signal and Amp Connections:

- Connect your instrument signal to the INPUT.
- Connect your first amplifier to either the Buffered or True Bypass A output.  
Important: The A output serves as your main earth/ground connection, so ensure this is connected first.
- Connect your second amplifier to the B output.

#### 3. OptoKick Footswitches:

Use the OptoKick footswitches to select which amplifier you want to engage.

#### 4. FLIP/FLOP Button:

The FLIP/FLOP button gives you two operation modes:

- Standard Operation (blue LEDs): Footswitches work independently. Press footswitch A to turn on output A, and footswitch B to add output B.
- FLIP/FLOP Operation (red LEDs): Turning on output B will automatically disengage output A, and vice versa.

#### 5. Phase Switch:

Output B features a Phase switch, which reverses the phase on output B in relation to output A.

- With both amps on, toggle the phase switch to determine which setting gives you more low-end and volume. The setting with more low-end indicates that both amplifiers are in phase.

#### 6. Earth Lift Switch:

Output B also includes an Earth Lift switch:

- When button pushed in, your signal earth is connected through output B.
- When button depressed (button out), the earth/ground is lifted, providing isolation between output A and output B.

This can help eliminate ground loop noise when connecting two amplifiers together.

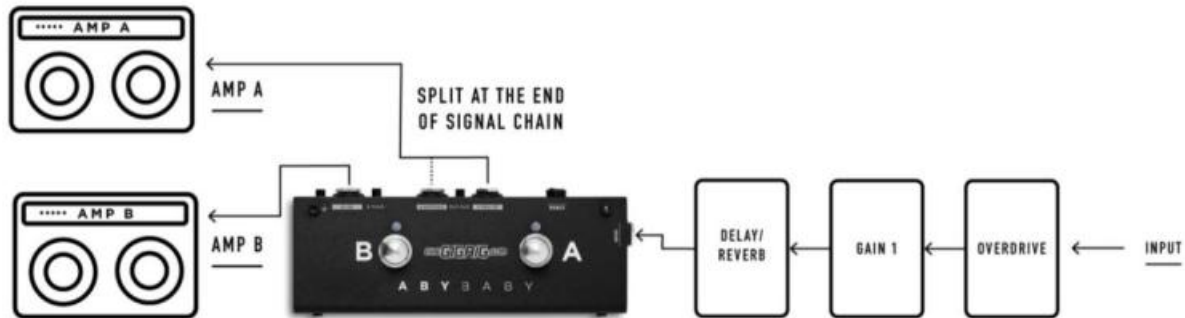
#### Note:

Output B is a direct mirror of output A, and the phase switch functions independently of the Earth Lift button configuration.

### 3. Set Up Examples

#### STANDARD AMP SWITCHING:

The ABY BABY is most commonly placed at the end of your signal chain, allowing you to easily choose which amplifier to use. This setup lets you switch between two amps with different tones, or simply engage the second amp for solos, adding extra power and presence to your sound.



#### TPS Wet/Dry Setup:

The ABY BABY can be used to split your signal for a Wet/Dry configuration, such as a TPS (Two Amp Split) setup. In this arrangement, the signal is split after the gain stages:

- The B ISOLATED output is routed to your dry amp for a clean, unaffected sound.
- The A BUFFERED/PASSIVE output is sent to your wet effects (such as delay, reverb, etc.), and then to your wet effects amp.

This setup allows you to achieve rich, faux stereo sounds, all while maintaining a dual mono signal path. It's an excellent way to enhance your tonal palette with minimal complexity.



There are countless ways to configure the ABY BABY, and its flexibility makes it perfect for any situation. With the ability to reverse the phase, lift the earth, and easily switch between outputs, it serves as a versatile signal splitter that adapts to your needs, no matter the setup.

#### 4. Technical Specifications

Supply Voltage: 9V DC

Supply Current: Max = 150mA at 9V

Input Signal Levels: +/- V (18V peak headroom)

Output A Passive:

Output impedance is the same as source impedance (true bypass)

Frequency response: 5Hz to 100Khz, into 1M Ohm

Output A Buffered:

Input impedance 680K Ohm

Low Noise:  $3\text{nV}/\sqrt{\text{Hz}}$

Output impedance 100 Ohm

Frequency response: 7Hz to 100Khz, into 1M Ohm

Output B Isolated:

Input impedance 680K Ohm

Low Noise:  $3\text{nV}/\sqrt{\text{Hz}}$

Output impedance 100 Ohm Frequency response at guitar levels 5Hz to 100KHz

OptoKick optical footswitches – zero mechanical switching

## 5. Warranty

The GigRig warrants the product to be free from defects in material and workmanship for a period of 2 years from the original date of purchase.

If the product fails within the warranty period, The GigRig will repair or, at our discretion, replace the product and cover the cost of return shipping to the original purchaser. This warranty covers defects in manufacturing discovered while using this product as recommended by The GigRig. This warranty does not cover loss or theft, nor does the coverage extend to damage caused by misuse, abuse, unauthorized modification, improper storage, lightning, or natural disasters.

Damage caused by any of the above circumstances may result in a non-warranty repair fee. Legal: In the case of malfunction, the purchaser's sole recourse shall be repair or replacement, as described in the preceding paragraphs. The GigRig will not be held liable to any party for damages that result from the failure of this product. Damages excluded include, but are not limited to, the following: lost profits, lost savings, damage to other equipment, and incidental or consequential damages arising from the use, or inability to use this product.

In no event will The GigRig be liable for more than the amount of the purchase price, not to exceed the current retail price of the product. The GigRig disclaims any other warranties, express or implied. By using the product, the user accepts all terms herein.

**Disposal:** TheGigRig contains no batteries or Lead. Return the unit to TheGigRig Ltd for disposal or use standard disposal for electrical equipment recommended in your country. Do not dispose of electrical equipment in household waste!

TheGigRig is protected by copyright, moral rights, patent and design registration.

The GigRig and its Power supply are RoHs compliant.

Tested and compliant to EN 60950 safety standard.

The power supply is approved to all USA and European

Regulations including UL. See separate instructions supplied with the power supply

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

Authorised Representative: EAS - Mustamäe tee 50, 10621 Tallinn, Estonia

Warning: For indoor use only. Keep away from water. Keep away from Children.



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