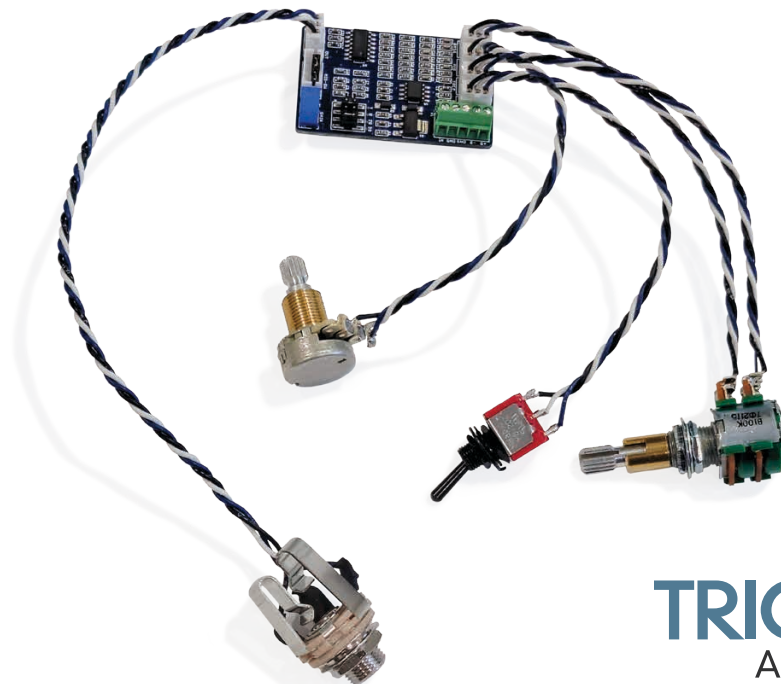


# INTERNAL PRE AMP (IPA)

## Operation Manual



# INSTALLATION

---

Congratulations on your purchase of the **Trickfish Internal Pre Amp (IPA)**. We want to help you get the most out of it so lets get right into it!

Start by wiring your passive section. Wiring diagrams can usually be found from your pickup manufacturers website or from a quick internet search. We've included a couple of wiring ideas at the end of this manual (volume/volume/tone or master volume/blend). As you'll see in the diagrams, you need just the hot and ground connections from the passive section.

**NOTE:** We do not offer wiring support for the passive section. Please contact your local technician or pickup manufacturer for support.

The potentiometers, output jack, and toggle switch(es) for the **IPA** come prewired. Plug the connector clips of each EQ pot into the EQ connector clips. The positions are labeled on the board (**BASS**, **MID** and **TRE**) or refer to the diagram on the following page.

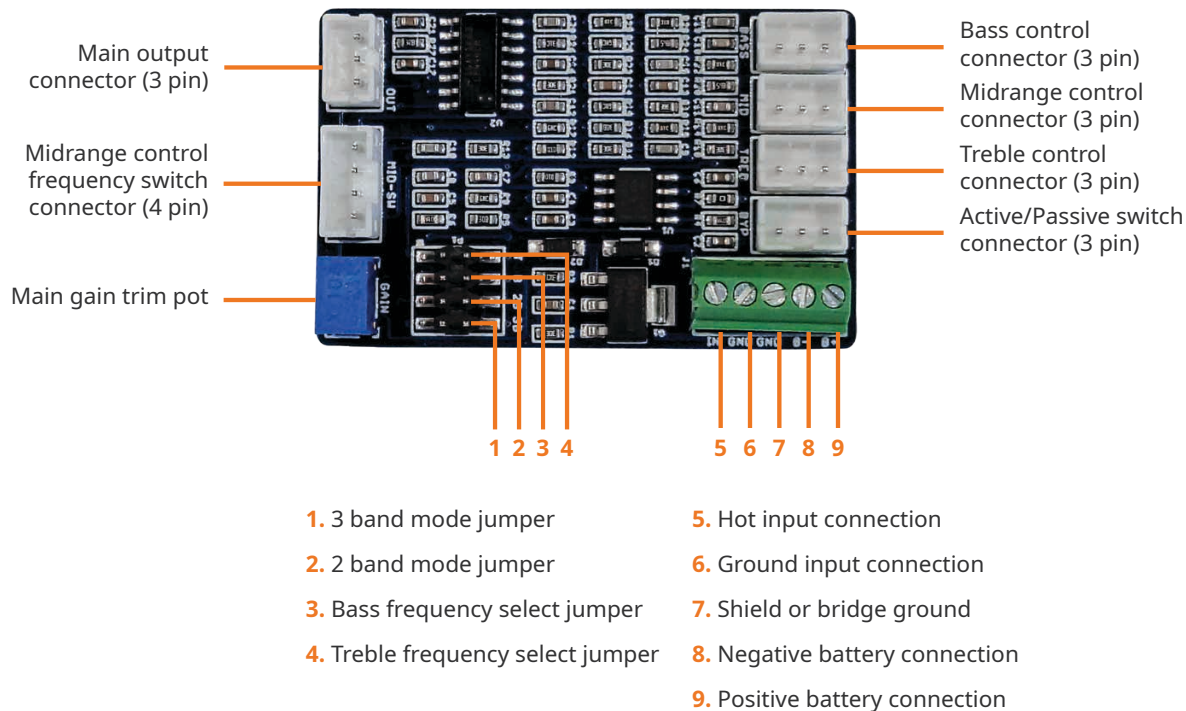
If you have a stacked pot version, then you have the option of customizing the location of each EQ band. Meaning that you can make the stacked pot function however you like. You can go traditional with stacked treble on top of bass or switch it around to bass on top of treble or even mid on top of bass. This might be hard to visualize but once you start to plug in the clips, it will become clearer.

Next, plug in the active/passive toggle switch clip (into the **BYP**) and then the output jack clip (into the **OUT**). If you have a mid frequency selector switch, plug that in too. It goes into the **MID-SW**, the only 4 pin connector.

The final steps are connecting the wires to the screw terminal. From your passive section, insert the hot wire (into the **IN**) and ground wire (into the **GND**) into the terminals. Next, insert the shield or bridge ground into the middle ground terminal (**GND**).

The battery clip goes into the final two positions. The B- is the battery negative and the B+ is the battery positive. The **IPA** can run in 9 or 18 volts. We will explain this in more detail in the next pages.

# PREAMP OVERVIEW



# PREWIRED COMPONENTS

---

Single EQ potentiometer



Stacked EQ potentiometer



Toggle switch  
(Active/passive switch shown)



Output jack



# BATTERY INFORMATION

---

9 Volt battery clip

Black negative (B-)

Red positive (B+)



Connect one red (+) wire from one battery clip to the black (-) wire from the other battery clip for **18 volt operation**.

Use heat shrink tubing (preferred) or electrical tape to protect the connection.



# JUMPER INFORMATION

## Frequency Specifications:

**Treble:** +/- 15dB at 6kHz or 10kHz

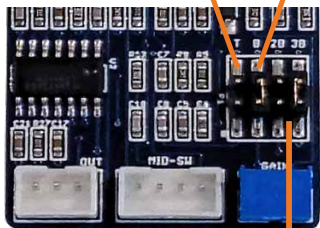
**Mid:** +/- 12dB at 330Hz or 663Hz

**Bass:** +/- 12dB at 46Hz or 90Hz

When the jumper shunt is **off**,  
the frequency is set at the  
higher setting.

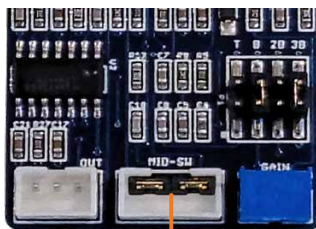
**Treble:**  
6kHz (**on**) or  
10kHz (**off**)

**Bass:**  
46Hz (**on**) or  
90Hz (**off**)



You must have a 2 or 3 band jumper in place

Mid frequency selection is done with a  
toggle switch (optional) or by adding jumper  
shunts to the pin connector as shown below.



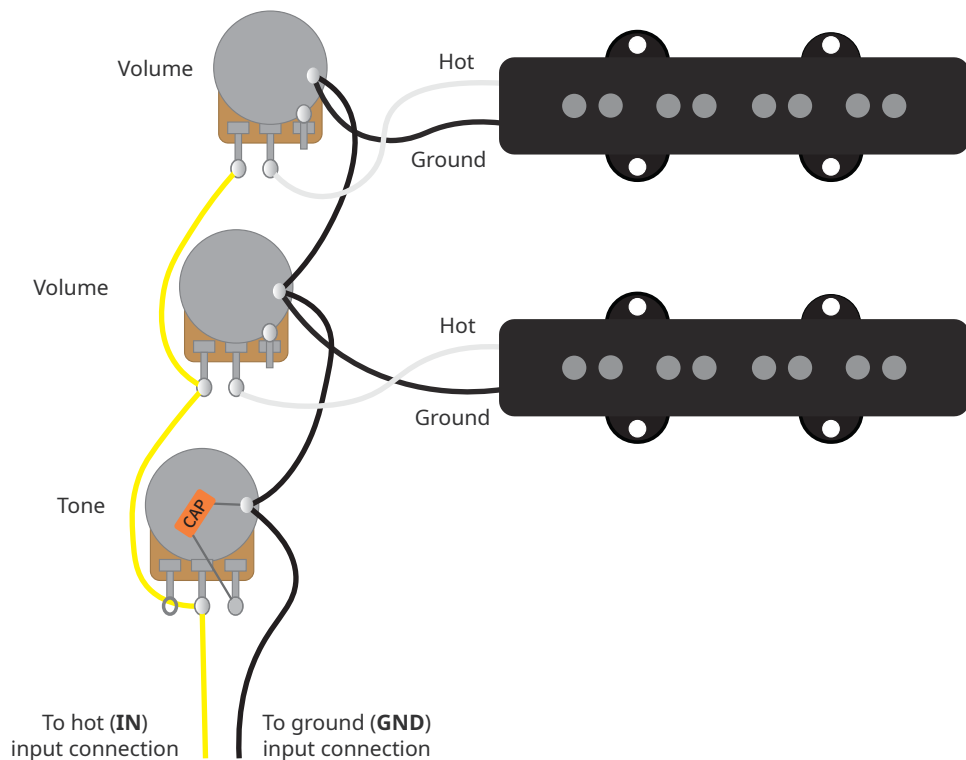
**Mid:**  
330Hz (**both on**) or  
663Hz (**both off**)

The IPA can be set to always active mode  
by adding a jumper shunt to the inner  
set of pin connectors as shown below

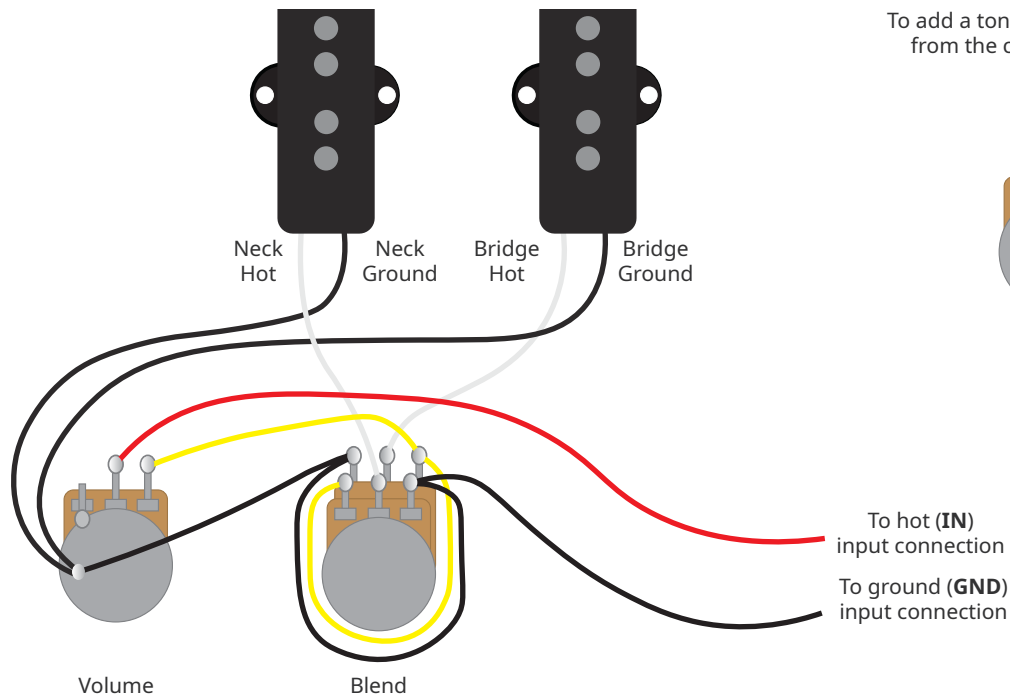


# EXAMPLE WIRING (VOL, VOL, TONE)

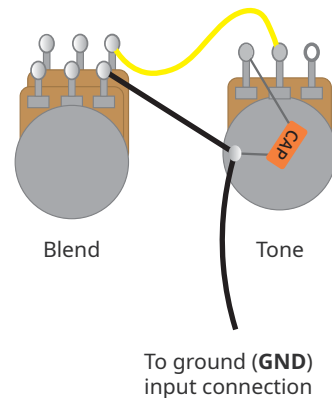
---



# EXAMPLE WIRING (VOL, BLEND)



To add a tone control, follow this diagram. The hot wire from the center lug of the volume stays the same.







Cypress, TX 77433

[sales@trickfishamps.com](mailto:sales@trickfishamps.com)  
<https://www.trickfishamps.com>

For warranty information, please refer to this page, <https://www.trickfishamps.com/warranty/>