

# PINWOODFER

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**Take your time, follow the instructions, relax, and enjoy yourself!**

**WARNINGS: Perform installation with your pinball machine turned off and unplugged from AC power.**



## **PinWoofers Line Trimmer Instructions**

# Amplifier Identification

- This document covers Line Trimmer installation on one of three possible amplifier models. The GT and GTP are treated the same.
- Identify your amplifier as shown to the right.
- Section 1: PinWoofer KOP
- Section 2: PinWoofer GT and GTP



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## Section 1

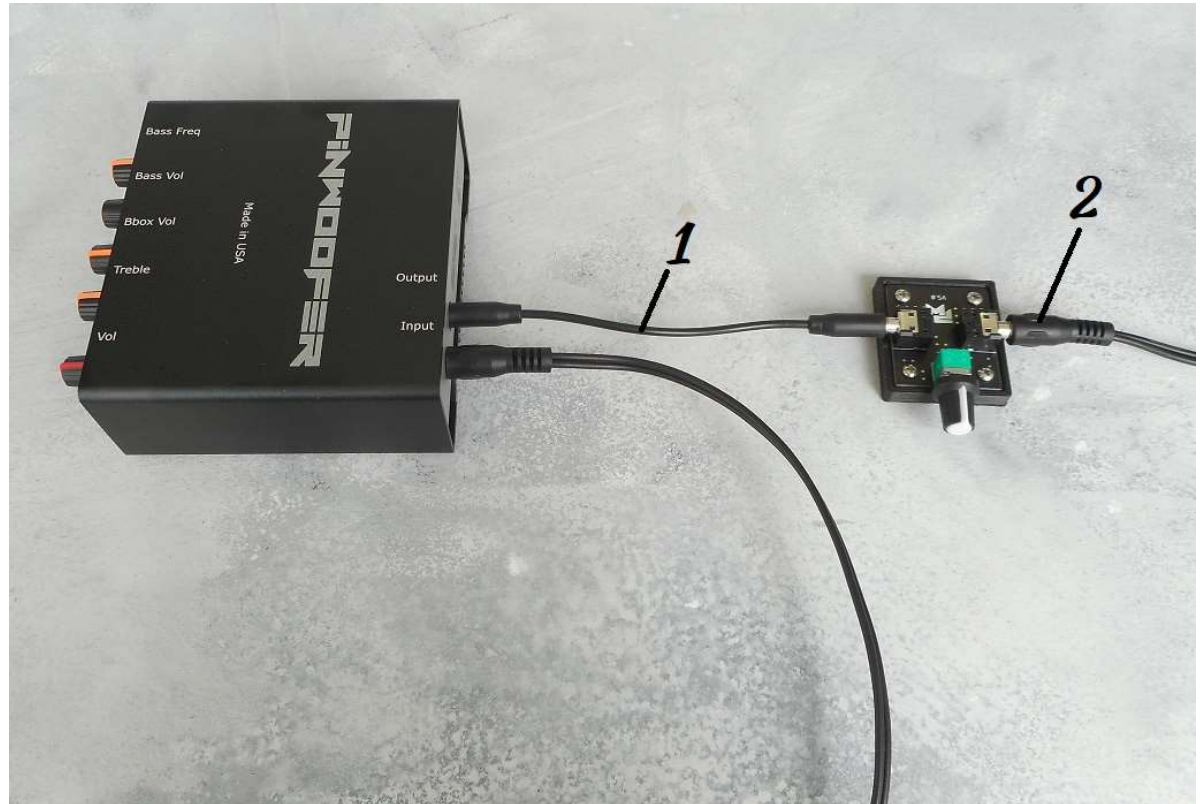
- KOP Amplifier



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# KOP Amplifier Connection

- Connections are as follows:
1. Connect the 3ft TRS Male to TRS Male Cable from the Output mini-jack on the amplifier to the IN jack on the Line Trimmer. (The image shows a 6in cable to minimize clutter.)
  2. Plug the 12ft Output Cable into the OUT jack on the Line Trimmer.



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## Section 2

- GT and GTP Amplifier

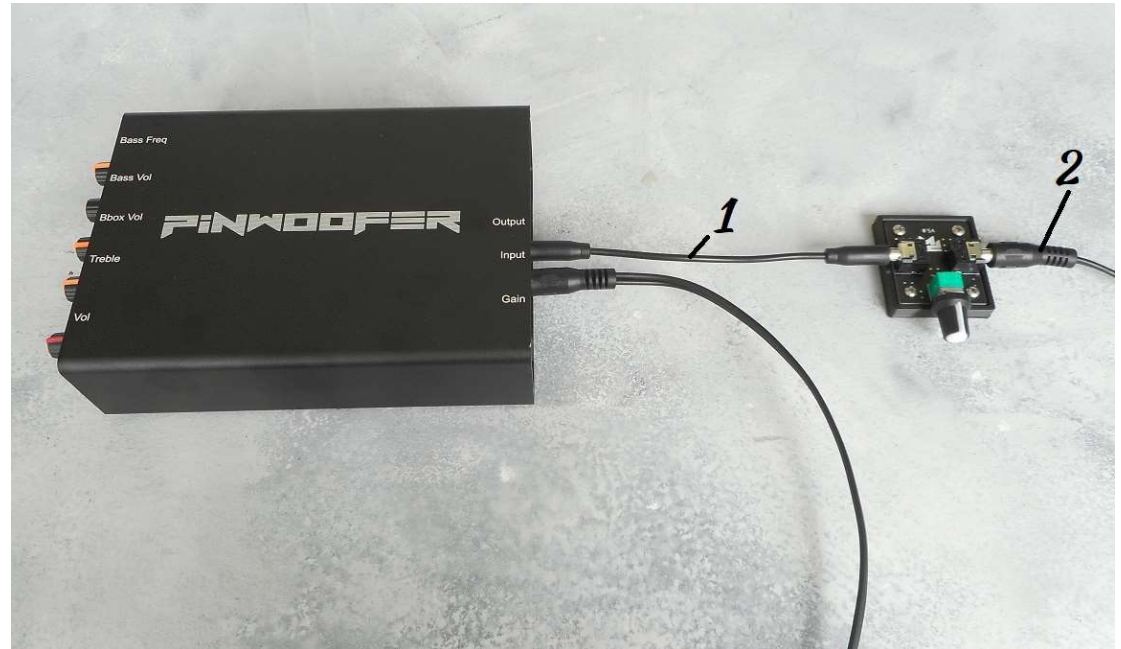


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# GT and GTP Amplifier Connections

- Connections are as follows:
1. Connect the 3ft TRS Male to TRS Male Cable from the Output mini-jack on the amplifier to the IN jack on the Line Trimmer. (The image shows a 6in cable to minimize clutter.)

Please note that the GT amplifier output mini-jack is not labeled as “Output” (GTP Amplifier shown to the right). So simply locate the mini-jack hole next to the black and blue gain control knob and use this jack.
  2. Plug the 12ft Output Cable into the OUT jack on the Line Trimmer.



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# Subwoofer Connection

- Route the 12ft SUB\_OUT cable out the back of the cabinet (through a ventilation hole) and plug into your subwoofer.
- It is recommended that you run the external subwoofer volume (and low pass / bass cutoff frequency) around mid-deflection to start with.
- External Volume is now controlled by the Line Trimmer.
- It is recommended that you enable the auto power to on so that your external subwoofer turns off after a period of no signal at the input.
- If you have a phase control start with 180° to begin with. You can always toggle this when fine tuning and determine which setting has the better sound.

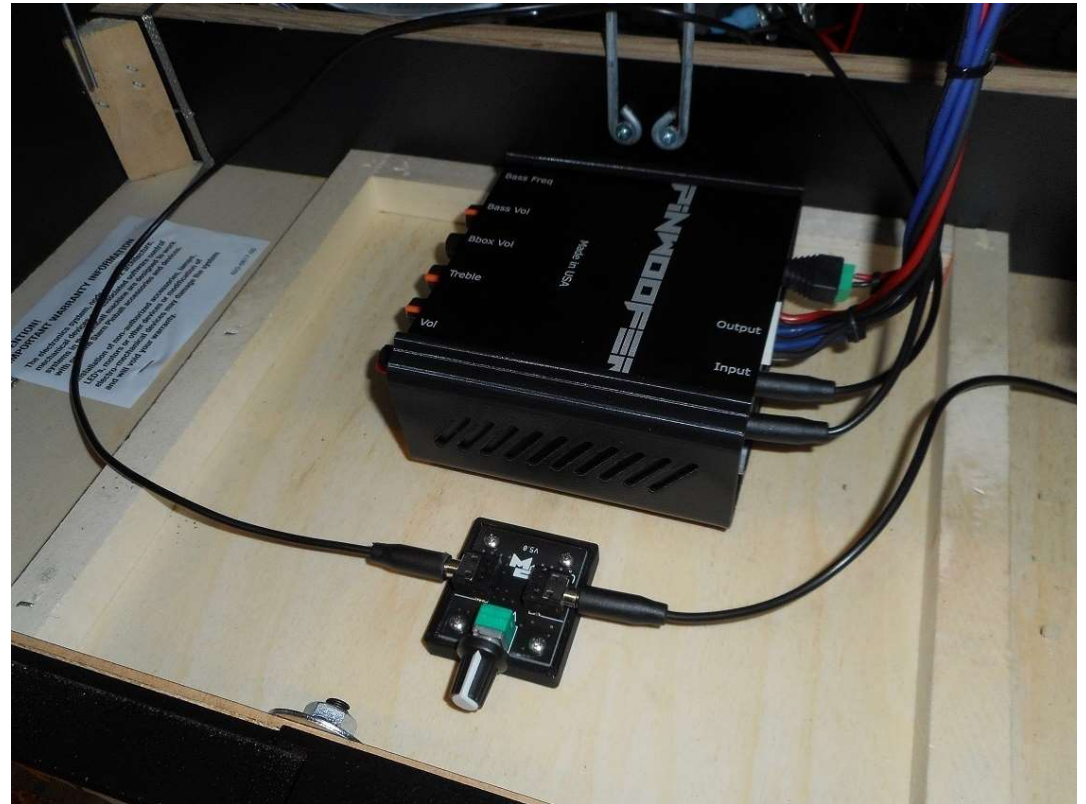


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## KOP Use Model Example

- Shown is one example of how you might place your Line Trimmer into your machine.
- Start with the line trimmer set to mid-point, or less. Creep up the volume using caution to not over-drive the input to your external sub.
- Care should be taken to secure the Line Trimmer to an interior surface using the supplied double sticky tape, similar to what is shown.



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**Your Line Trimmer is Installed and Ready for Use**