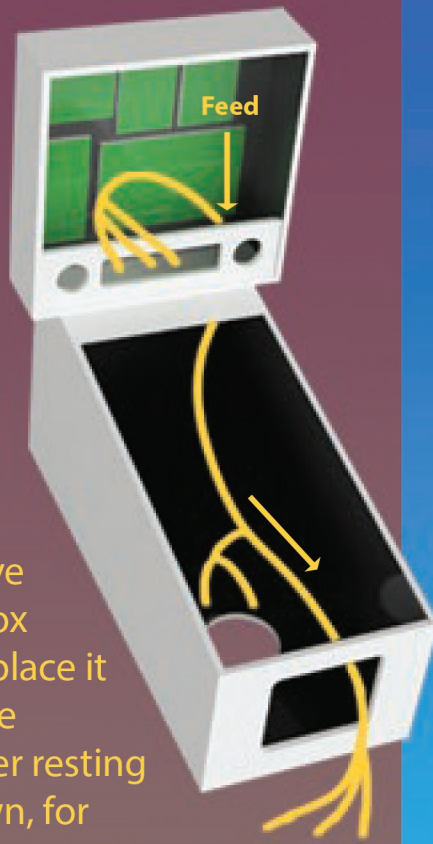


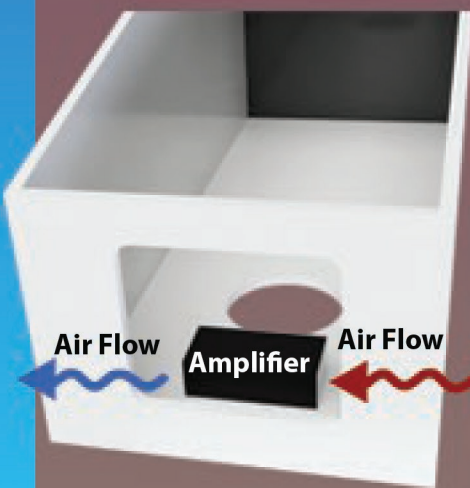
1

PinWoofers Harness - WPC

- Unplug the machine from AC Power.
- Open the Coin Door.
- Remove the Backglass.
- Remove the Playfield Glass.
- Lift the Playfield up and securely prop it open.
- Feed the Amplifier End of the PinWoofers Harness from the Backbox through the Coin Door opening.



Remove coin box and replace it with the amplifier resting as shown, for safety. DO NOT use a mounting bracket or mount the amplifier to a cabinet wall. The amp enclosure is designed to have airflow underneath to reduce heat and prolong service life.



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2

PinWoofers Power Board

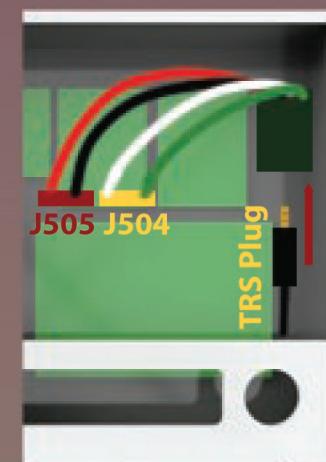
- Unplug the 5-Pin Factory Connector from J106 on the Power Driver Board.
- Plug the 5-Pin Factory Connector into the Power Board.
- Plug the PinWoofers Harness 2-Pin Power Connector into the Power Board at header labeled "Power Out".
- Plug the Power Board into J106.
- Connect the Ground Wire to a nearby back-plane screw location.



3

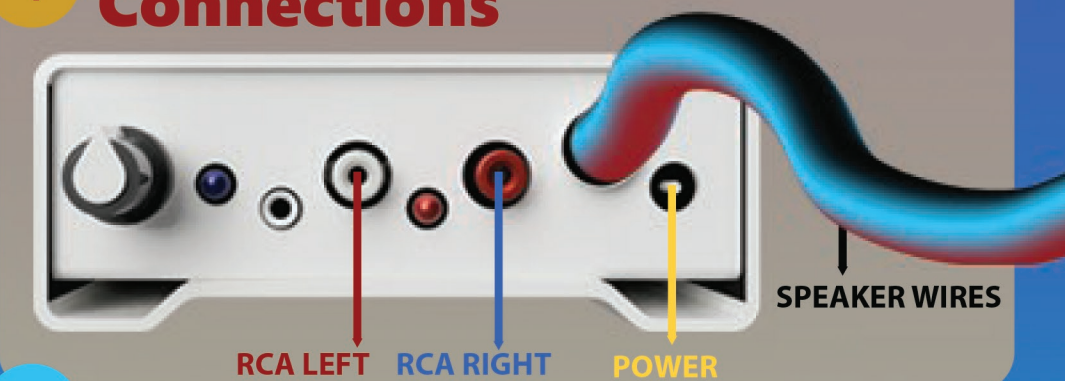
PinWoofers Expander Board

- Unplug the 4-Pin Factory connectors from J504 and J505 on the Audio Board (J1 and J2 for WPC-DCS). These factory connectors are no longer needed.
- Plug the Expander Board connectors into J504 and J505 (J1 and J2 for WPC-DCS).
- Plug the PinWoofers Harness 3.5mm TRS Plug into the Expander Board.
- Mount Expander Board with magnetic base (or tape) to a suitable location on the metal back-plane.



4

Connections



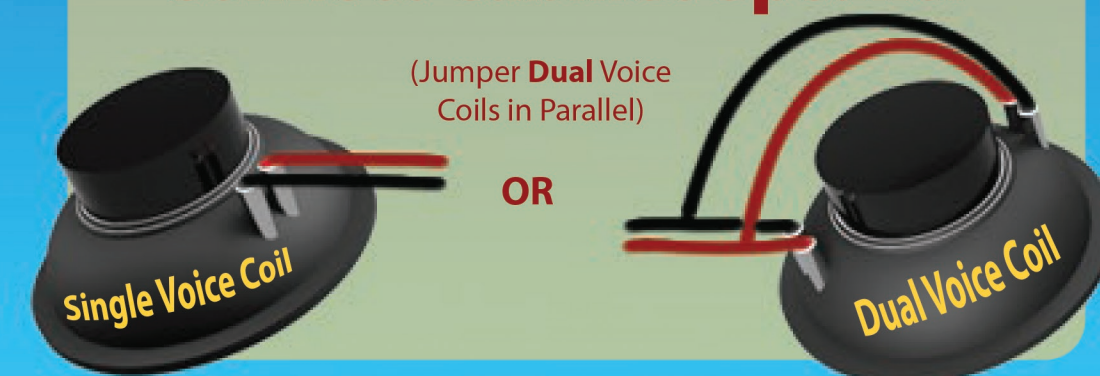
5

Connect Backbox Speakers



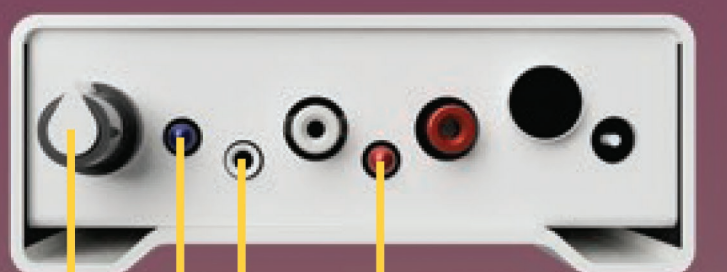
6

Connect Cabinet Speaker



AMPLIFIER OVERVIEW

When auto-mute is enabled the LED auto-mute indicator will glow red. Note that auto-mute may remain enabled during machine menu navigation, and navigation sounds will be quieter than before.



LED Auto-Mute Indicator

Stereo Line Out

LED Power Indicator

Input Gain Control



Bass Cutoff Frequency

Bass Volume

Backbox Volume

Treble

On/Off Volume Control

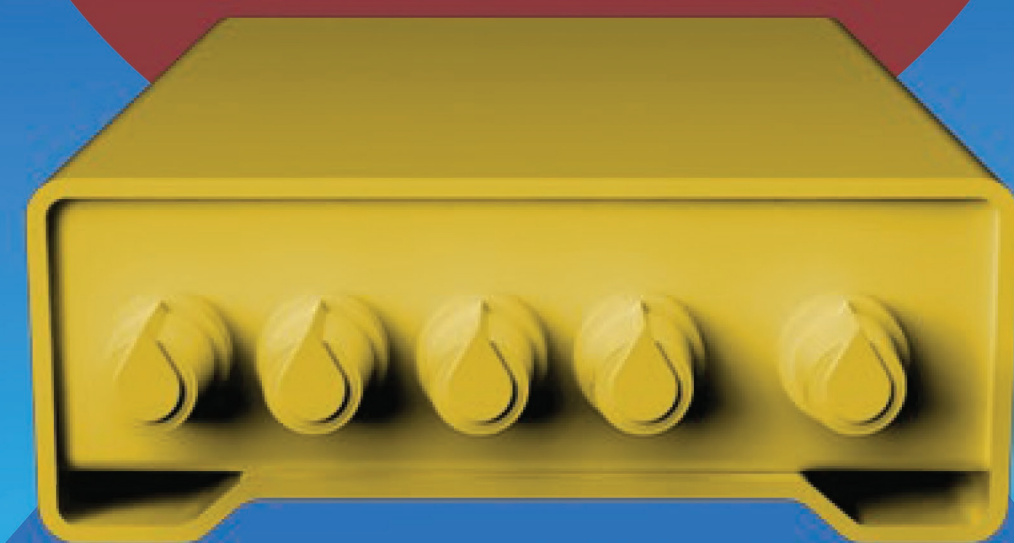
ADJUSTMENTS

After installation, turn the machine on and follow the below startup procedure:

1. Set menu volume at the coin door to 12. On WPC titles there may be a high voltage lockout switch at the coin door that disables the voltage supply to the power board. If this is the case, pull the lockout switch to the "out" location to re-enable the power board. **Do not reach into the cabinet for any reason when the lockout switch is disabled.**
2. Turn all amplifier dials to point vertically as shown.
3. Adjust amplifier controls either by starting a game, or by alternating up and down the coin door volume controls (to keep the sounds consistently playing).
4. It's likely that the default amplifier control positions will not be optimized, and may sound poor. Be confident in rotating the different controls to whatever position sounds good to your ear. **Adjust at a safe volume level.**
5. Your final adjustments may leave the dials in radically different positions. This is perfectly fine, as long as you've achieved your desired results.
6. **CRITICAL:** If the master volume of the machine and/or the gain control on the amp are too low, the auto-mute will clamp the output and reduce the volume. (The auto-mute function may even alternate on/off.) Watching the auto-mute LED will inform you of this condition. Correct by simply increasing the machine's volume and/or the amplifier's gain control.
7. **Never set menu volume above 20;** lower settings give better quality.

PINWOOFER

WPC Installation Guide



PinWoofers.com

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