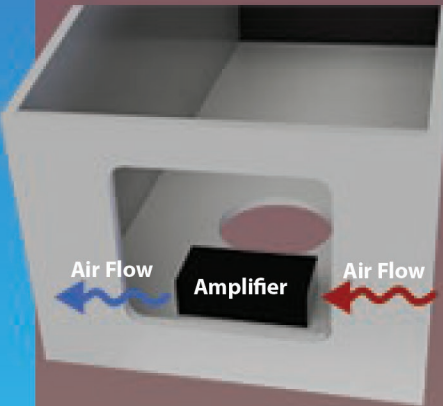


1 PinWoofers Harness - SAM

- 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 down the right side and out the Coin Door opening.



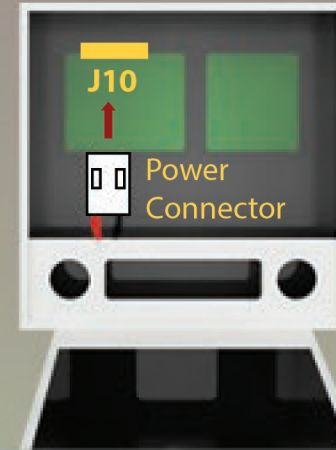
Remove coin box and replace it with the amplifier resting as shown, for safety. DO NOT use a mounting bracket

to mount the amplifier vertically or 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 10-Pin Factory Connector from J10 on the I/O POWER DRIVER PCB. (Your boards may be arranged differently, depending on title or vintage. Refer to your manual for board locations.)

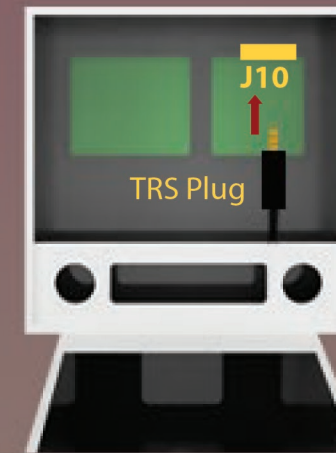


- Plug the Power Board into J10.
- Plug the 10-Pin Factory Connector into the Power Board.

- Plug the PinWoofers Harness 2-Pin Power Connector into the Power Board.

3 PinWoofers Expander Board

- Unplug the 4-Pin Factory Connector from J10 on the CPU/SOUND BOARD.

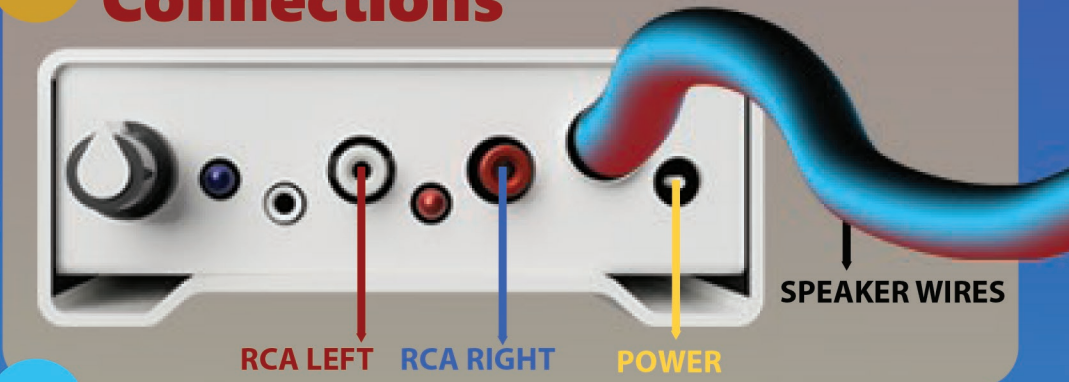


- Plug the Expander Board into J10.

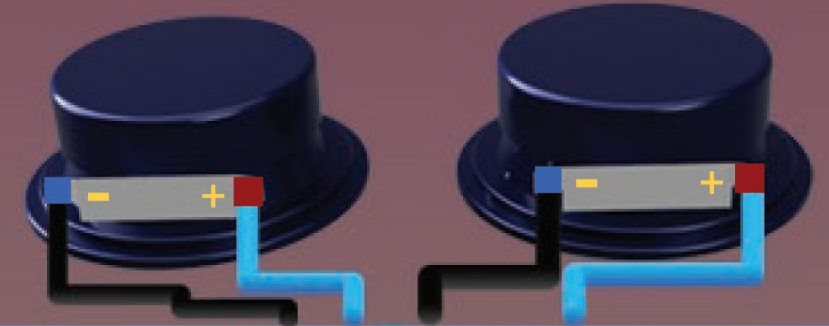
- Plug the PinWoofers Harness 3.5mm TRS Plug into the Expander Board.

- The Connector that originally went to J10 is no longer needed.

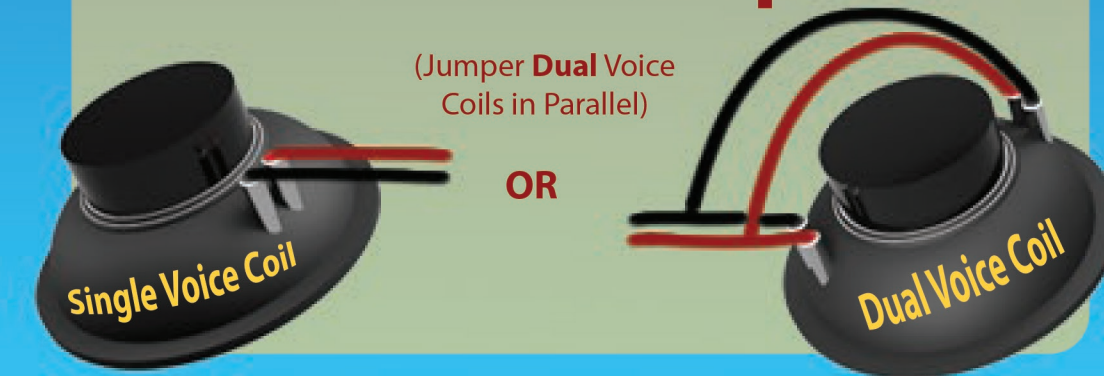
4 Connections



5 Connect Backbox Speakers

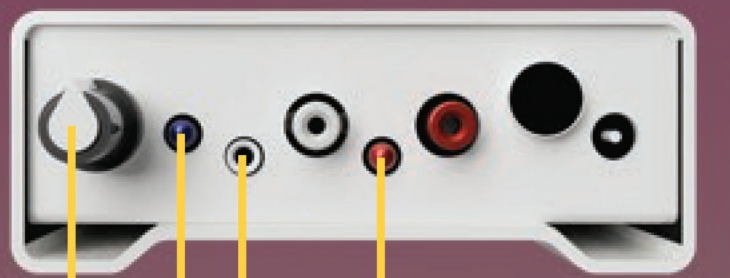


6 Connect Cabinet Speaker



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



On/Off Volume Control

Treble

Backbox Volume

Bass Volume

Bass Cutoff Frequency

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ADJUSTMENTS

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

1. In the machine's menu enter the below settings:
Volume = 25
SERVICE MENU > ADJ > GAME > SPEECH ATTENUATION = 5
SERVICE MENU > ADJ > GAME > MUSIC ATTENUATION = -5
2. Exit machine's menu.
3. Turn all amplifier dials to point vertically as shown.
4. 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).
5. 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.**
6. Your final adjustments may leave the dials in radically different positions. This is fine, as long as you've achieved your desired results.
7. **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.
8. It is recommended that the Gain is adjusted to 50-75% clockwise, and the volume of the title is adjusted to about one half (25-30). These adjustments will provide a strong input signal and margin for the auto-mute function.
9. **Never set menu volume above 40;** lower settings give better quality.
10. Use amplifier main volume control to achieve greater volume levels.
11. As needed, return to the machine's menu to fine-tune. It is helpful to revisit the settings in Step 1. Increasing SPEECH ATTENUATION is helpful to minimize the boomy resonance of male call-outs.

PINWOOFER

SAM Installation Guide



PinWoofers.com

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