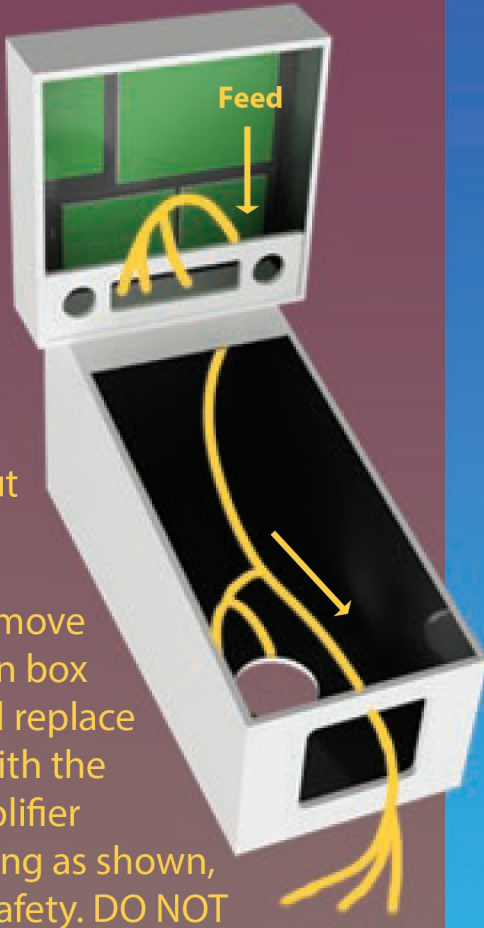


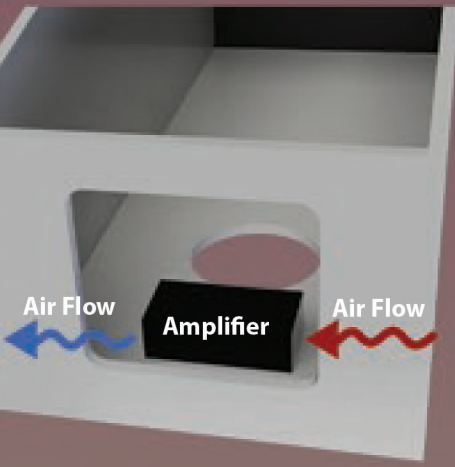
1 PinWoofers Harness - Data East

- 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 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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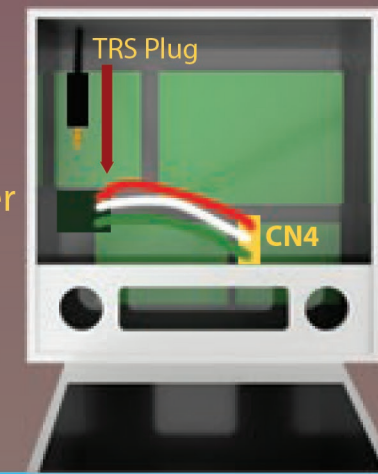
2 PinWoofers Power Board

- Unplug the 9-Pin Factory Connector from CN3.
- Plug the Power Board into CN3.
- Plug the 9-Pin Factory Connector into the Power Board.
- Plug the PinWoofers Harness 2-Pin Power Connector into the Power Board.

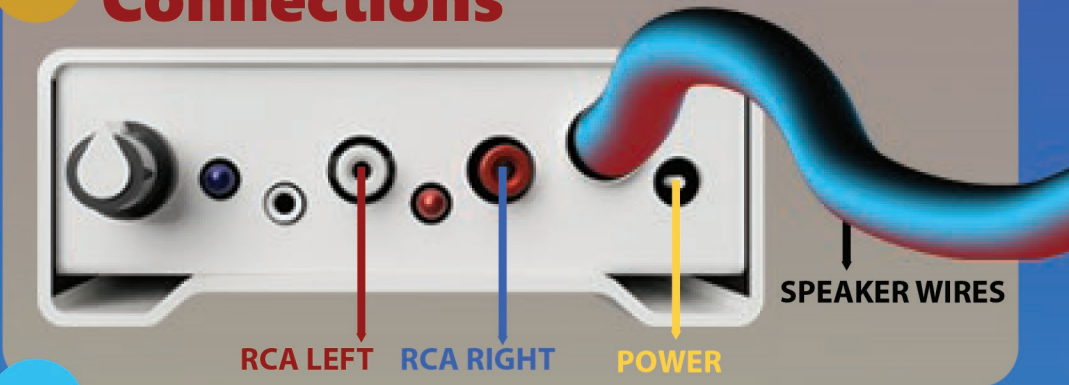


3 PinWoofers Expander Board

- Unplug the 7-Pin Factory Connector from CN4 on the sound board.
- Plug the Expander Board 7-pin Connector into CN4.
- Plug the PinWoofers Harness 3.5mm TRS Plug into the Expander Board.
- The connector that originally went to CN4 is no longer needed.



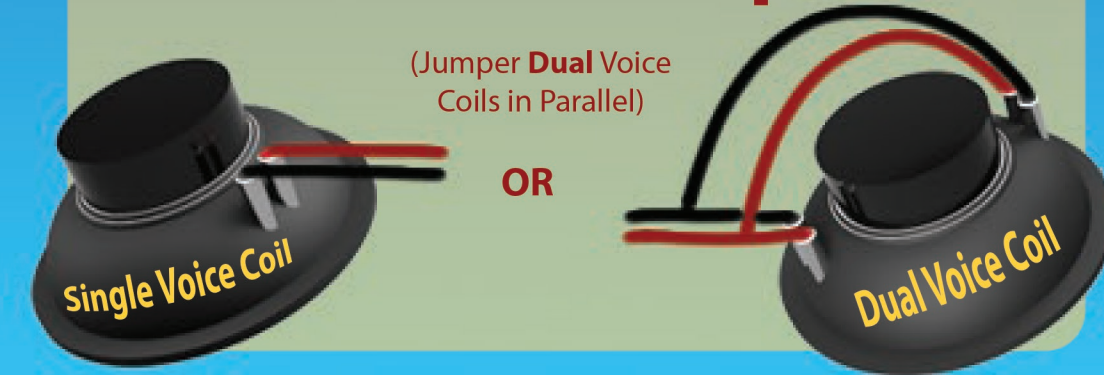
4 Connections



5 Connect Backbox Speakers

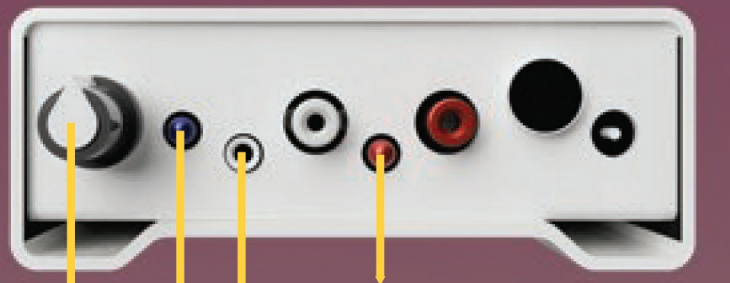


6 Connect Cabinet Speaker



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



Treble

On/Off Volume Control

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. Adjust the volume trim potentiometer to about 50%.
2. Turn all amplifier dials to point vertically as shown.
3. Adjust amplifier controls after starting a game.
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 the game's volume level above 75%;** lower settings give better quality.

PINWOOFER

Data East Installation Guide



PinWoofers.com

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