Crank It Up with this 2 x 150W Bluetooth Amplifier Kit!
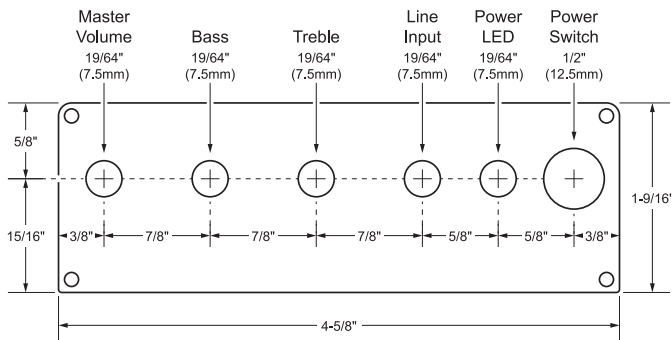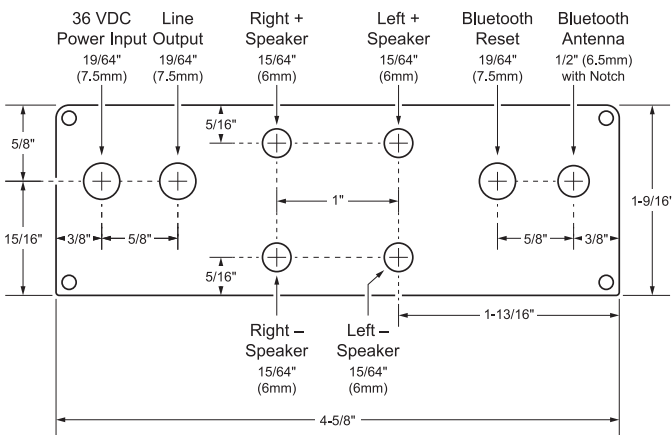
Please read the whole instruction manual before you start putting it together.

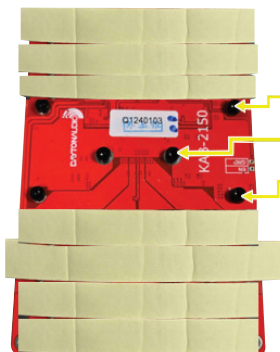**Step 1.** Drill holes in the front plate as shown.

Master Volume 19/64" (7.5mm)	Bass 19/64" (7.5mm)	Treble 19/64" (7.5mm)	Line Input 19/64" (7.5mm)	Power LED 19/64" (7.5mm)	Power Switch 1/2" (12.5mm)

Step 2. Drill holes in the rear plate as shown

36 VDC Power Input 19/64" (7.5mm)	Line Output 19/64" (7.5mm)	Right + Speaker 15/64" (6mm)	Left + Speaker 15/64" (6mm)	Bluetooth Reset 19/64" (7.5mm)	Bluetooth Antenna 1/2" (6.5mm) with Notch

Right – Speaker 15/64" (6mm)   Left – Speaker 15/64" (6mm)

Step 3. Cover all the solder joints on the bottom of the board with double sided stick tape. Make sure none of the solder joints touch the metal enclosure. The tape will also secure the board to the enclosure and absorb shock.

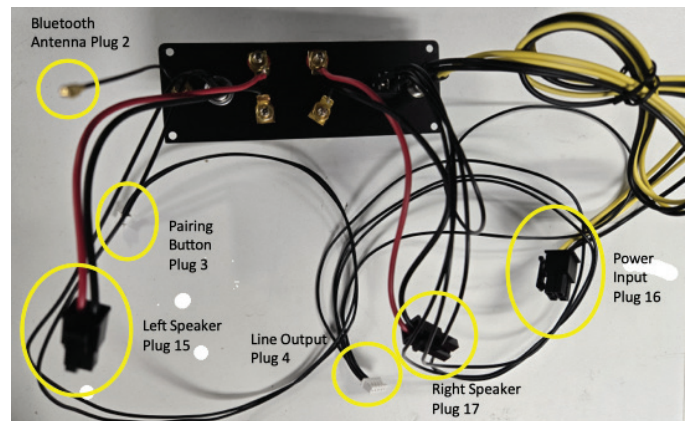No need to cover the black screws. The screw heads touching the metal enclosure will help dissipate heat.

Note: If playing multiple hours at high volume, add a fan to the top. The built-in thermal protection will shut down the amp indicating that a fan is needed.

Step 4. Stick the amp board to the bottom panel of the enclosure using the specs in the picture.
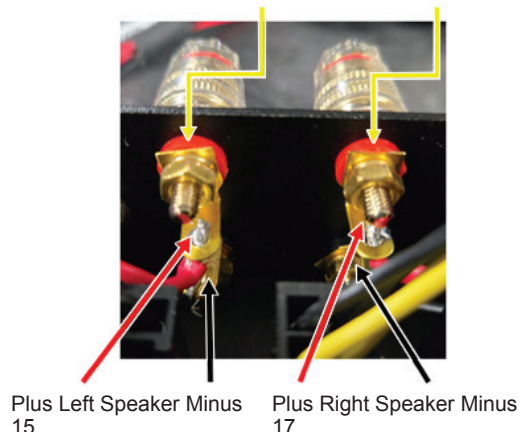

Front

Rear

Step 5. Solder the speaker wires to the binding post and install all the rear components and plug them into the amp board. Use the Quick Reference Guide in Step 9.

Note: Cut the speaker wires to reduce excess cable inside the enclosure. You should only need 1-1/2" to 2" of speaker wire.
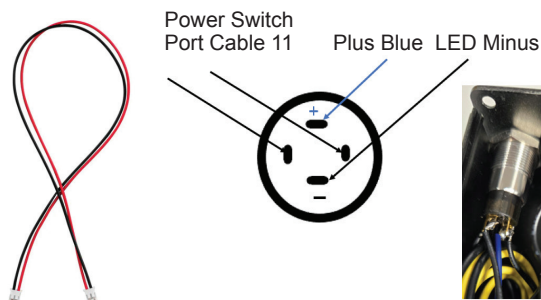

Rear Panel with Jacks Installed

Make sure the insulator, front and back, prevent the binding post terminals from touching the metal panel.

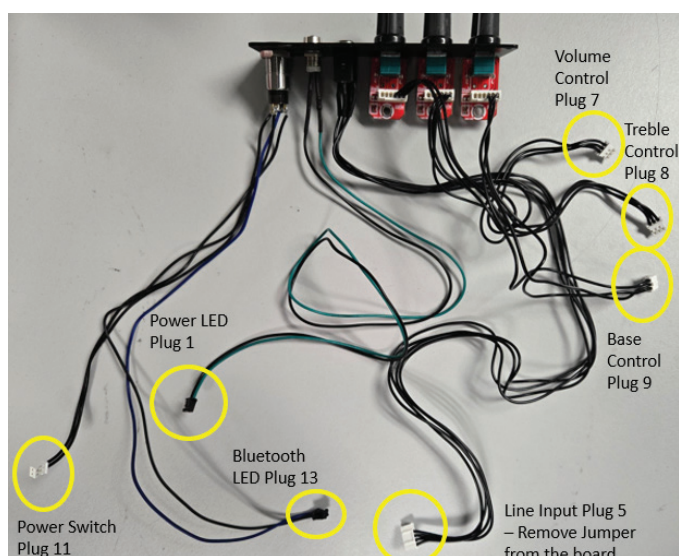Plus Left Speaker Minus 15   Plus Right Speaker Minus 17

Step 6. Cut off the Blue LED from its wiring harness and solder the Blue wire to the + sign on the power switch. Solder the Black wire to the – sign on the switch.

Step 7. Cut off one the connectors from the red and black wire and solder the bare wires to the other two empty terminals on the power switch.

Power Switch Port Cable 11   Plus Blue LED Minus

Step 8. Install all the components to the front panel and plug them into the board using the Quick Reference Guide in Step 9.

Volume Control Plug 7
Treble Control Plug 8
Base Control Plug 9
Power LED Plug 1
Bluetooth LED Plug 13
Power Switch Plug 11
Line Input Plug 5 – Remove Jumper from the board

Step 9. Wind up the loose wires and route them beside the heat sink. Route the Bluetooth antenna wire on the opposite side of the power wire.

Step 10. Screw the front panel into the bottom of the enclosure.

Step 11. Screw the back panel to the bottom of the enclosure.

Step 12. Screw the top of the enclosure to the front and back panel.

2 x 150W Class D Bluetooth 5.0 Amplifier Board with Tone and Volume Controls

1. External Power LED Indicator Socket
2. External Antenna Option
3. Bluetooth Reset Switch
4. Analog Audio Output (does not function in Bluetooth Bypass Mode)
5. Line Input for Bluetooth Mode (remove black jumper if adding aux port, jumper required if port is empty)
6. Line Input for Bluetooth Bypass Mode
7. Port for Volume Control
8. Port for Bass Control
9. Port for Treble Control
10. I2S Digital Audio Output
11. Power Switch Port
12. On Board Bluetooth LED (Blue)
13. External Bluetooth LED Port
14. Line Input Switch (Up Position for Bluetooth Mode, Down Position for Bluetooth Bypass)
15. Left Speaker Output
16. 18-36 VDC Input
17. Right Speaker Output