



This slim tube amplifier chassis is constructed from heavy-duty 0.05" thick steel, providing exceptional durability and rigidity while minimizing vibration and hum interference. The chassis comes with precision pre-punched holes for tube sockets, RCA jacks, and speaker connectors, as well as dedicated mounting points designed to accommodate our toroidal power transformers and output transformers.

For safe and reliable operation, it is equipped with a high-quality IEC power inlet socket that integrates an RFI/EMI filter, fuse, and power switch to effectively suppress power-line noise. A new style CA transformer cover is included, ensuring a clean, professional appearance with added shielding.

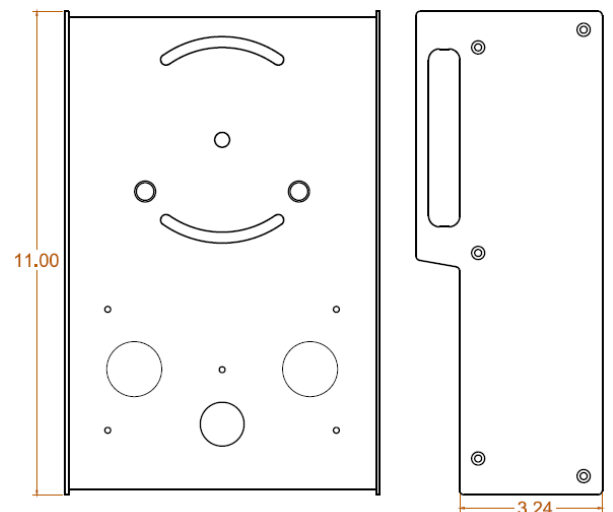
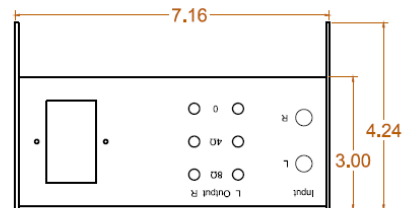
The main PCB is included simple and easy installation. All mounting holes are fully drilled and require no modifications.

Compatible Components

- Output Transformer: MS-10W70 ×2 or MS-15W60 ×2
- Power Transformer: AS-05T, AS-09T or AS-1T series
- Power Transformer Cover: CA-202 (included)
- Tube Sockets: 8-pin ×2, 9-pin ×1
- IEC Power Inlet: CW2B-10A-T (included)
- Main PCB: STB-15 PCB (included)
- RCA Connectors: Panel-mount ×2
- Speaker Connectors: Panel-mount ×6
- Tubes: 6L6, 6V6, EL34, KT66, KT88, 6550

Chassis Includes

- Main chassis & bottom plate
- Two side panels
- Main stereo STB-15 PCB
- Power transformer cover
- IEC power inlet with fuse and switch
- 6Vac green LED
- Screws, hardware and spacers

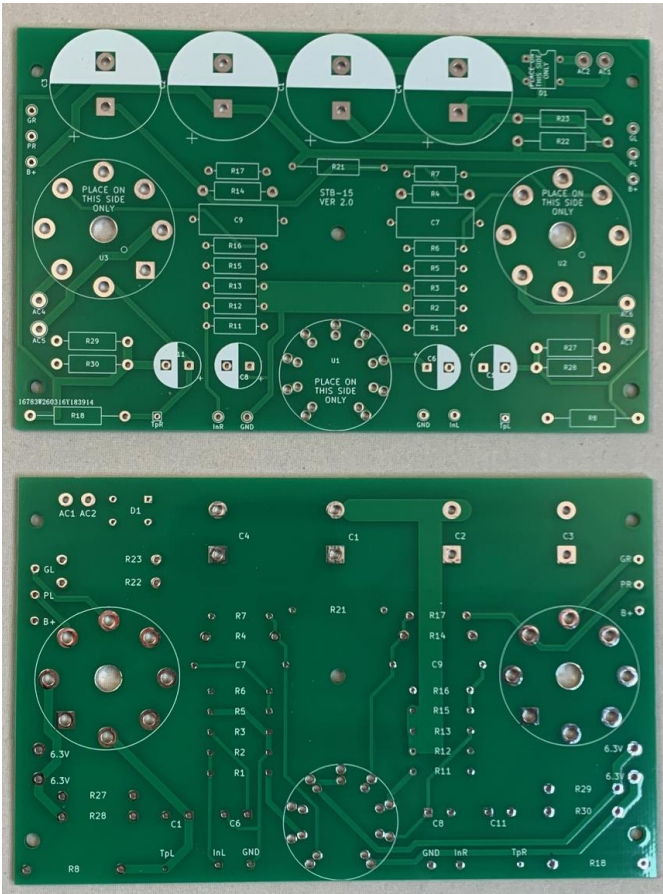


This STB-15 PCB set is specifically engineered for the CC-711D single-ended tube amplifier chassis and is based on a proven circuit topology developed through many years of tube amplifier design experience. It employs one of the simplest tube amplifier architectures while delivering very high sound quality. The PCB layout has been carefully optimized with short signal paths, proper grounding, and effective separation of high- and low-level circuitry to minimize noise, hum, and crosstalk.

When combined with high-quality toroidal power and output transformers, the amplifier benefits from higher efficiency, reduced magnetic radiation, and improved voltage regulation compared to traditional EI-core transformers. These advantages result in a lower noise floor, improved dynamic range, stronger low-frequency control, and smooth, extended high-frequency response.

The PCB supports a wide range of commonly used output tubes, including EL34, 6L6GC, KT66, KT77, KT88, KT120 and 6550, as well as multiple driver tube options, making it suitable for both hi-fi and audiophile-grade applications. The circuit allows most common power tubes to produce approximately 5 watts to 12 watts per channel of output power.

The supplied schematic corresponds to a specific transformer set and is provided as a reference design. Depending on the actual power transformer secondary voltages, output transformer impedance, and selected tube types, certain component values—such as plate resistors, cathode resistors, screen resistors, and power supply filter capacitors—may need to be adjusted. Final verification of operating voltages and bias conditions during assembly is strongly recommended to achieve optimal performance, long tube life, and overall amplifier stability.



STB-15 PCB

Output Power	PCB	Output Transformers	Power Transformers	Suggest Tubes
5W – 8W x2 9W – 13W x2	STB-15 STB-15	MS-10W70, MS-15W60 MS-15W60	AS-09T340 AS-09T340, AS-1T350	6L6, EL34, KT66 6550, KT88, KT120

4. The amplifier ground should be connected to earth ground. Please follow proper grounding practices and determine the appropriate grounding point for your application.
5. To request a different power transformer, please send us an email or include a note when placing your order.