

Rockville RTB80A

Rockville RTB80A 8-inch Powered Subwoofer Bass Tube Instruction Manual

Model: RTB80A

INTRODUCTION

The Rockville RTB80A Powered Subwoofer Tube is designed to deliver powerful bass performance for your car audio system. This unit integrates an 8-inch high-power woofer with a built-in amplifier within a vented enclosure, providing a compact and efficient solution for enhanced low-frequency sound.

Key features include:

- 400W Peak Power (200W RMS) with an 8" high-power woofer.
- Integrated 250W RMS amplifier for optimal subwoofer and enclosure tuning.
- Adjustable bass crossover and built-in bass equalizer (up to 18dB boost @ 45Hz).
- Durable aviation-grade tweed-covered vented enclosure with rear aero vent system.
- Easy installation with speaker-level and RCA line-level inputs, steel mounting brackets, and Velcro straps.

FEATURES

The RTB80A is engineered with several features to optimize your audio experience.



Image: The Rockville RTB80A Powered Subwoofer Bass Tube, showcasing its cylindrical design and front grille.



Image: Visual representation of RTB80A's performance specifications, including 200 Watts RMS, 30Hz-200Hz frequency response, and 8" tube

size.

Give Your Bass Some Space



The advanced vented design enhances airflow, reducing distortion and delivering deep, resonant bass for an immersive listening experience.

Image: The dimensions of the RTB80A subwoofer tube, measuring 19 inches in length and 8.75 inches in diameter, highlighting its compact design.

Enhanced Performance with Rear Aero Vent



The rear aero vent system optimizes airflow, reducing distortion and enhancing bass clarity for a powerful, smooth sound.

Image: Close-up view of the rear aero vent system and the woofer grille, illustrating the design for optimized airflow and enhanced bass clarity.

Packed with Premium Features



Image: Diagram highlighting premium features such as four steel mounting brackets, molded steel woofer grille, low-pass crossover, aviation-grade tweed, and MP3 input.

Built for Power

Peak Power:

400 Watts

Sensitivity:

105dB

Dimensions:

8.75" x 19"



Image: Key power specifications for the RTB80A, including 400 Watts Peak Power, 105dB Sensitivity, and dimensions of 8.75" x 19".

Product Overview Video

Video: An overview of the Rockville RTB80A, detailing its features, controls, and design. This video provides a visual guide to the product's capabilities.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. The RTB80A is designed for easy setup in various vehicle types.

Mounting the Subwoofer

The subwoofer includes steel mounting brackets and Velcro straps for secure placement in your vehicle's trunk or other suitable location.

Video: This video demonstrates the unboxing and installation process for a similar Rockville bass tube (RTB10A), including securing the unit with straps and connecting wiring. The principles shown are applicable to the RTB80A.

Wiring Connections

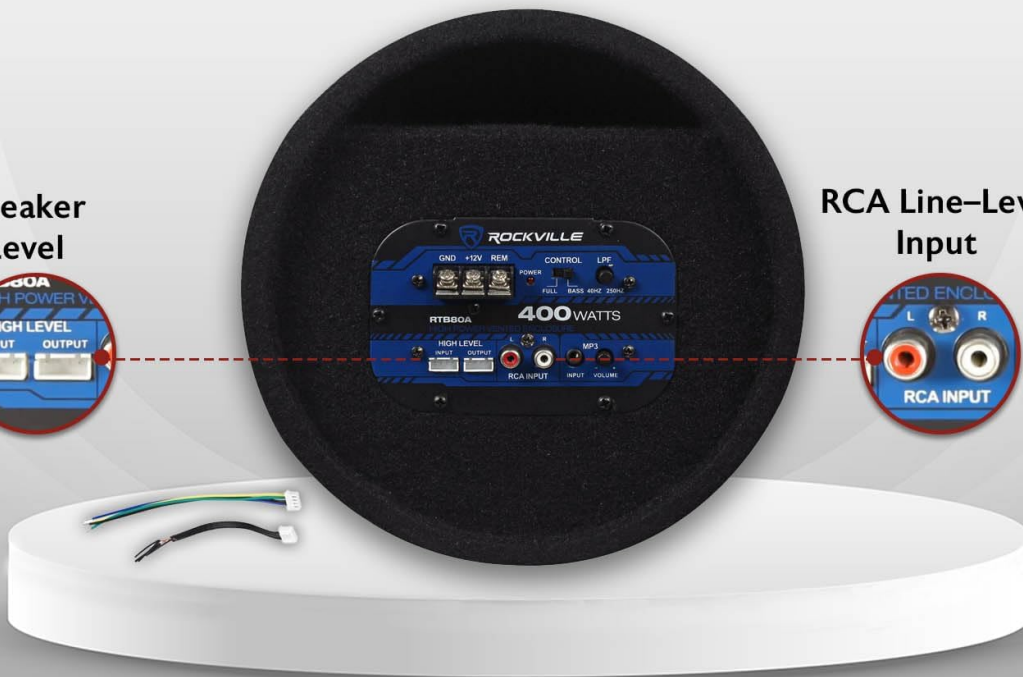
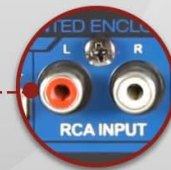
The RTB80A offers flexible connectivity options to integrate with your car's audio system.

Universal Connectivity

Speaker Level



RCA Line-Level Input



Featuring RCA, speaker-level, and MP3 inputs, this subwoofer offers seamless connectivity to suit a variety of audio systems and devices.

Image: Diagram illustrating the universal connectivity options of the RTB80A, including speaker-level inputs, RCA line-level inputs, and MP3 input.

- **Power Connection:** Connect the +12V, GND (Ground), and REM (Remote) terminals. Ensure proper gauge wiring for power and ground.
- **Audio Input:** Use either the RCA line-level inputs for aftermarket head units or the high-level inputs for factory head units without RCA outputs.
- **MP3 Input:** A 3.5mm jack is available for direct connection of MP3 players or other audio sources.

Wiring Kit Information

Video: This video provides details on the Rockville RWK10 10-gauge amplifier wiring kit, which is suitable for connecting the RTB80A. It highlights the quality of the cables and included accessories for a complete installation.

OPERATING THE SUBWOOFER

The RTB80A features adjustable controls to fine-tune your bass output to match your preferences and vehicle acoustics.

Precision Control with Bass Boost and LPF



Fine-tune your sound with the bass boost switch and low-pass filter (LPF), allowing you to customize the bass response for perfectly balanced audio.

Image: Close-up of the RTB80A control panel, showing the Gain, LPF (Low Pass Filter), and Bass Boost controls, along with power input terminals and various audio inputs.

- **Gain Control:** Adjust the input sensitivity to match the output of your head unit. Start with the gain at minimum and slowly increase until desired volume is achieved without distortion.
- **LPF (Low Pass Filter):** This control allows you to set the upper frequency limit for the subwoofer, ensuring it only plays low bass frequencies. Adjustable from 40Hz to 250Hz.
- **Bass Boost:** Provides an adjustable bass equalization of up to 18dB at 45Hz for deeper, more impactful bass.
- **Volume Control:** For the MP3 input, a dedicated volume knob is available.

MAINTENANCE

The Rockville RTB80A is designed for durability and requires minimal maintenance. Keep the unit clean and free from dust and debris. Ensure all connections remain secure to prevent signal loss or damage.

TROUBLESHOOTING

If you experience issues with your RTB80A, please check the following:

- **No Power:** Verify all power connections (+12V, GND, REM) are secure and properly connected to the vehicle's battery and head unit. Check the in-line fuse.
- **No Sound:** Ensure audio input cables (RCA or high-level) are correctly connected. Check the head unit's settings to ensure subwoofer output is enabled and volume is up. Adjust the gain control on the subwoofer.
- **Distorted Sound:** Reduce the gain control on the subwoofer or the volume on your head unit. Check for proper LPF settings.
- **Subwoofer Not Turning On/Off with Head Unit:** If using high-level inputs, ensure the auto-turn-on feature is functioning correctly. If using RCA inputs, verify the remote turn-on wire is connected to a switched 12V source.

SPECIFICATIONS

| Feature | Detail |
|------------------------------|----------------------|
| Model Name | RTB80A |
| Speaker Type | Subwoofer, Woofer |
| Subwoofer Diameter | 8 Inches |
| Speaker Maximum Output Power | 400 Watts (Peak) |
| RMS Power | 200 Watts |
| Integrated Amplifier | 250W RMS |
| Frequency Response | 30 Hz - 200 Hz |
| Sensitivity | 105 dB |
| Material | Steel, Tweed |
| Product Dimensions | 10.5"D x 20"W x 10"H |
| Item Weight | 13 Pounds |
| Connectivity Technology | RCA, Wired |
| Special Feature | Bass Boost |

WHAT'S IN THE BOX

The Rockville RTB80A package includes:

- RTB80A Powered Subwoofer Bass Tube
- Steel Mounting Brackets (4)
- Velcro Straps (2)
- Wiring Harnesses (for power, ground, remote, and high-level input)

- User Manual

WARRANTY AND SUPPORT

The Rockville RTB80A comes with a limited warranty. For detailed warranty information or technical support, please refer to the included user manual or contact Rockville customer service.