

Soundstream TXP1.18000D

Soundstream Tarantula TXP1.18000D Xtreme Power Amplifier User Manual

Model: TXP1.18000D

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Soundstream Tarantula TXP1.18000D Xtreme Power Mono Amplifier. To ensure optimal performance and safety, please read this manual thoroughly before installation and use. This amplifier is designed for high-power audio applications in vehicles, delivering significant output for demanding sound systems.

2. KEY FEATURES

- RMS Power 1Ω 7,000 x 1 , RMS Power 2Ω 3,600 x 1 , RMS Power 4Ω 1,800 x 1
- Built In Dual Fans, 0G Power and Ground Connections
- Variable 12dB High Pass, Low Pass, and Subsonic Crossovers
- Direct Short, Thermal, and Overload Circuits Protect Amplifier
- Dimensions 8.25" x 2.75" x 10.5"

3. PRODUCT OVERVIEW

The Soundstream Tarantula TXP1.18000D amplifier features a robust design with a clear plexiglass top, allowing visibility of the illuminated circuit board. Key connection points and controls are strategically placed for ease of installation and adjustment.

3.1. Amplifier Views



Figure 1: Top angled view of the Soundstream Tarantula TXP1.18000D amplifier, showcasing its design and the Tarantula logo.



Figure 2: Rear panel of the amplifier, showing the 0G power and ground connections, and the model number TXP1.18000D.



Figure 3: Front panel of the amplifier, featuring the speaker output terminals, remote gain control port, RCA inputs, and various crossover adjustment knobs.



Figure 4: Angled view highlighting the LED accent lighting that illuminates the circuit board, visible through the smoked plexiglass top.

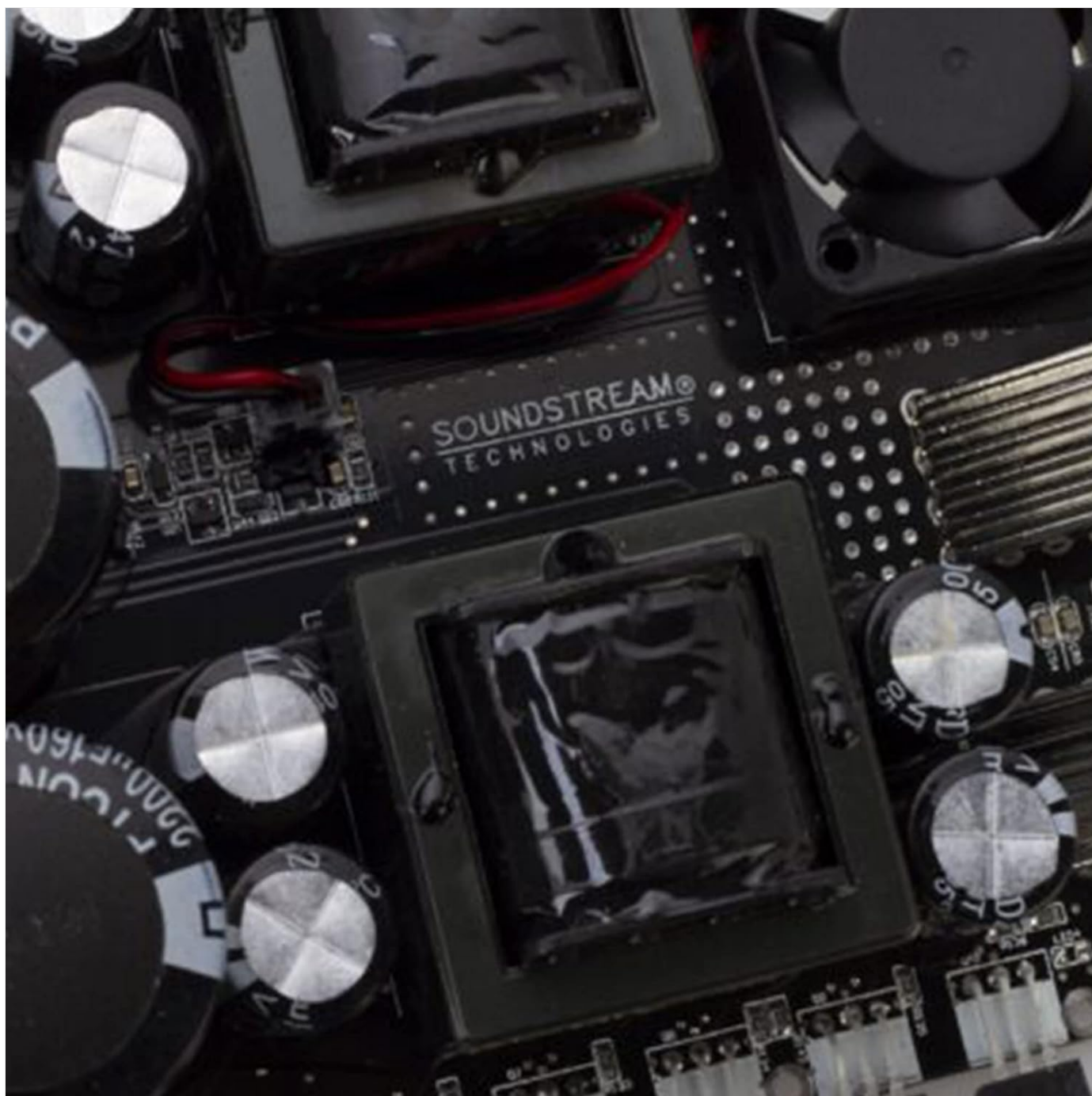


Figure 5: Close-up view of the amplifier's internal components, including the silicone steel alloy core power supply transformers and capacitors, demonstrating the robust build quality.

4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your amplifier. It is highly recommended that installation be performed by a qualified professional.

4.1. Mounting

- Choose a secure, dry location with adequate ventilation. The amplifier features dual fans for cooling, so ensure airflow is not obstructed.
- Mount the amplifier firmly to a solid surface using appropriate hardware.

4.2. Wiring Connections

All wiring should be done with the vehicle's battery disconnected.

- **Power (B+) Connection:** Connect a 0G power cable from the amplifier's B+ terminal to the positive terminal of the vehicle's battery. Install an appropriate fuse (not included) within 18 inches of the battery.
- **Ground (GND) Connection:** Connect a 0G ground cable from the amplifier's GND terminal to a clean, unpainted metal surface on the vehicle's chassis. Ensure a solid, low-resistance connection.
- **Remote (REM) Connection:** Connect a remote turn-on wire from your head unit's remote output to the amplifier's REM terminal.
- **RCA Input:** Connect your head unit's RCA output to the amplifier's RCA input terminals. The amplifier supports 200mV-6V high-level or low-level RCA input.
- **Speaker Output:** Connect your subwoofer(s) to the amplifier's speaker output terminals. This amplifier supports a 1-ohm minimum impedance monoblock operation. Ensure your speaker load matches the amplifier's capabilities.

5. OPERATION AND ADJUSTMENTS

Once installed, the amplifier can be fine-tuned for optimal audio performance.

5.1. Gain Control

- The amplifier includes a remote gain control. Adjust the gain to match the output voltage of your head unit. Start with the gain at minimum and slowly increase it until the desired volume is achieved without distortion.

5.2. Crossover Adjustments

The amplifier features variable 12dB High Pass, Low Pass, and Subsonic Crossovers to tailor the frequency response to your speakers and subwoofers.

- **Low Pass Filter (LPF):** Adjust this to control the upper frequency limit of the amplifier's output, typically used for subwoofers.
- **Subsonic Filter:** This filter removes extremely low frequencies that are inaudible and can cause damage to subwoofers.
- **High Pass Filter (HPF):** While primarily a mono amplifier for subwoofers, if used in a full-range setup, this would control the lower frequency limit.

5.3. LED Accent Lighting

The amplifier features LED accent lighting that illuminates the circuit board, providing a visual indication of power and operation.

6. MAINTENANCE

To ensure the longevity and consistent performance of your amplifier, follow these simple maintenance guidelines:

- Keep the amplifier clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Ensure the dual cooling fans are not obstructed and can operate freely to prevent overheating.
- Periodically check all wiring connections for tightness and corrosion.

7. TROUBLESHOOTING

The Soundstream Tarantula TXP1.18000D amplifier is equipped with direct short, thermal, and overload protection circuits. If the amplifier enters protection mode (indicated by a change in the LED status), follow these steps:

- **No Power:** Check the power and ground connections, the inline fuse near the battery, and the remote turn-on signal.
- **No Sound:** Verify RCA input connections, speaker wiring, and head unit settings.

- **Distorted Sound:** Adjust the gain setting, check speaker impedance, and ensure proper crossover settings.
- **Protection Mode:** Disconnect power, allow the amplifier to cool down, and check for short circuits in speaker wiring or excessive load. Ensure adequate ventilation.

If issues persist, consult a qualified car audio technician.

8. SPECIFICATIONS

Specification	Value
Brand	Soundstream
Model Number	TXP1.18000D
RMS Power @ 1Ω	7,000 x 1 Watts
RMS Power @ 2Ω	3,600 x 1 Watts
RMS Power @ 4Ω	1,800 x 1 Watts
MAX Power	18,000 Watts
Number of Channels	1 (Mono)
Voltage	6 Volts (Input Sensitivity)
Item Dimensions (L x W x H)	10.5 x 8.25 x 2.75 inches
Item Weight	9.38 pounds
Mounting Type	Surface Mount

9. WHAT'S IN THE BOX

- Soundstream Tarantula TXP1.18000D Amplifier
- Remote Gain Control

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Soundstream customer service directly. Keep your proof of purchase for any warranty claims.

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