

Targa TG-D5.3000

Targa TG-D5.3000 Mini-Series 5-Channel 1500W Amplifier Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Targa TG-D5.3000 Mini-Series 5-Channel 1500W Amplifier. The TG-D5.3000 is a high-performance Mini-Series 5-Channel Power Amplifier designed to deliver exceptional audio power and quality in a compact form factor. It features a robust four-way protection system, ensuring the safety and longevity of your audio setup by guarding against overloads, short circuits, and thermal issues. Please read this manual thoroughly before attempting to install or operate the amplifier to ensure optimal performance and safety.



This image displays the Targa TG-D5.3000 Mini-Series 5-Channel 1500W Amplifier. It features a sleek black brushed metal finish with the 'Targa' brand logo and model number 'TG-D5.3000 5CH Class D Amplifier' prominently displayed in gold lettering on the top surface. The amplifier has heat sink fins running along its length for efficient cooling. Connection terminals are visible on one end.

2. PRODUCT FEATURES

- **Type:** Full Range Digital Amplifier
- **Power Output:** 220RMS x 4 + 1500RMS x 1
- **T.H.D (at 80% Power):** 0.02%
- **Signal-To-Noise Ratio:** 95dB
- **Input Terminal:** 4GA
- Includes built-in high-frequency speakers

3. SAFETY PRECAUTIONS

To prevent injury or damage to the amplifier, please observe the following safety guidelines:

- Always disconnect the vehicle's battery negative terminal before making any electrical connections.
- Ensure all wiring is correctly routed and secured to prevent pinching or damage.
- Use appropriate gauge wiring for power and ground connections as specified in the installation section.
- Mount the amplifier securely in a location that allows for adequate ventilation and is protected from moisture and excessive heat.
- Do not operate the amplifier if it is damaged or malfunctioning. Refer to the troubleshooting section or contact qualified service personnel.
- Avoid exposing the amplifier to direct sunlight or extreme temperatures.

4. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Targa TG-D5.3000 Mini-Series 5-Channel 1500W Amplifier
- 1 x EvoTuning 300W Super Tweeters
- 1 x Gel Key Holder
- User Manual (this document)

5. INSTALLATION GUIDE

5.1. Mounting the Amplifier

Choose a mounting location that is dry, well-ventilated, and secure. Ensure there is sufficient space around the amplifier for air circulation. Use the provided mounting hardware to secure the amplifier to a solid surface, such as the trunk floor or under a seat. Avoid mounting on carpeted surfaces directly without proper ventilation.

5.2. Wiring Connections

Follow these steps for proper wiring:

1. **Power Connection (B+):** Connect a 4GA power cable from the positive terminal of the vehicle's battery to the B+ terminal on the amplifier. Install an appropriate fuse (not included) within 18 inches (45 cm) of the battery.
2. **Ground Connection (GND):** Connect a 4GA ground cable from the GND terminal on the amplifier to a clean, unpainted metal surface on the vehicle's chassis. Ensure a solid, low-resistance connection.
3. **Remote Turn-On (REM):** Connect a remote turn-on wire from your head unit's remote output to the REM terminal on the amplifier. This wire turns the amplifier on and off with your head unit.
4. **Audio Input:** Connect RCA cables from your head unit's pre-amp outputs to the amplifier's RCA input jacks. For speaker-level inputs, use the appropriate adapter if available.
5. **Speaker Output:** Connect your speakers to the amplifier's speaker output terminals. Ensure correct polarity (+ to + and - to -) for each speaker. The amplifier supports 4-pin speaker output.

6. OPERATION

Once installed, the amplifier will power on automatically when your head unit is turned on, provided the remote turn-on wire is correctly connected. Adjust the gain controls on the amplifier to match the output level of your head unit. Start with the gain at its minimum setting and slowly increase it until the desired volume is achieved without distortion. Refer to your head unit's manual for optimal settings.

7. TROUBLESHOOTING

If you experience issues with your amplifier, consult the following common problems and solutions:

- **No Power:** Check the power and ground connections. Verify the in-line fuse near the battery and the amplifier's internal fuses (if accessible). Ensure the remote turn-on wire is receiving 12V from the head unit.
- **No Sound:** Check all RCA and speaker connections. Ensure the head unit is sending an audio signal. Verify that the amplifier's gain settings are not at minimum.
- **Distorted Sound:** Reduce the gain setting on the amplifier. Check for proper speaker impedance matching. Ensure speaker wires are not shorted.
- **Amplifier Overheating:** Ensure adequate ventilation around the amplifier. Check for proper impedance of connected speakers. Reduce volume levels if operating for extended periods at high output.
- **Protection Mode:** If the amplifier enters protection mode (indicated by a specific LED), it may be due to a short circuit, overheating, or low voltage. Disconnect power, check all connections and speaker wiring, allow the unit to cool, and then reconnect.

8. SPECIFICATIONS

Attribute	Value
Brand	Generic (Targa)
Model Number	TG-D5.3000
Type	Full Range Digital Amplifier
Power Output	220RMS x 4 + 1500RMS x 1
T.H.D (at 80% Power)	0.02%
Signal-To-Noise Ratio	95dB
Input Terminal	4GA
Connectivity Technology	4-pin speaker output
Power Source	Battery
Compatible Devices	Speaker-level, Line-level
Product Dimensions (L x W x H)	32L x 17W x 15H centimetres
Item Weight	200 Grams
UPC	745853358143
Country of Origin	China

9. MAINTENANCE

To ensure the longevity and optimal performance of your amplifier:

- Regularly clean the exterior of the amplifier with a soft, dry cloth. Do not use harsh chemicals or abrasive

cleaners.

- Ensure that the cooling fins are free from dust and debris to maintain proper heat dissipation.
- Periodically check all wiring connections for tightness and corrosion.
- Avoid spilling liquids on the amplifier.

10. WARRANTY INFORMATION

This Targa TG-D5.3000 Mini-Series 5-Channel 1500W Amplifier comes with a **6-month warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage caused by improper installation, misuse, accident, neglect, unauthorized modification, or normal wear and tear. Please retain your proof of purchase for warranty claims. For service or support, contact your retailer.