

TAG-3XR

Targa TAG-3XR 3-Way Audio Crossover User Manual

Model: TAG-3XR

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Targa TAG-3XR 3-Way Audio Crossover. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage.

The Targa TAG-3XR is a mobile electronic crossover designed to precisely separate audio frequencies, allowing for optimized sound distribution to different speakers in your car audio system. It features adjustable controls for high-pass, low-pass, and subwoofer frequencies, along with a remote level control for convenience.

PRODUCT OVERVIEW

The Targa TAG-3XR unit features various inputs, outputs, and control knobs/switches for fine-tuning your audio system. Familiarize yourself with the layout:



Figure 1: Targa TAG-3XR 3-Way Audio Crossover. This image displays the top panel of the crossover unit, showing all input/output connections, frequency adjustment knobs, level controls, and switches for high-pass, subwoofer, bass boost, phase, and mode settings.

Key Features:

- **Bass Sharpener:** Enhances low-frequency response.
- **Gain Control Switch:** Adjusts input sensitivity.
- **Frequency Multiplier:** Allows for wider range frequency adjustments.
- **Mono/Stereo Subwoofer:** Configurable subwoofer output.
- **Adjustable Output Level:** Fine-tune output volume for each channel.
- **Front/Rear Pre-Amp Inputs:** Connects to your head unit's pre-amp outputs.
- **Parallel Input Switch:** Provides flexible input routing options.
- **Remote Level Control:** Convenient bass level adjustment from the driver's seat.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. If you are unsure about any steps, consult a professional car audio installer.

Safety Precautions:

- Disconnect the vehicle's battery negative terminal before installation.
- Ensure all wiring is properly insulated to prevent short circuits.
- Mount the crossover securely in a dry, well-ventilated location away from heat sources and moisture.
- Use appropriate gauge wiring for power and ground connections.

Wiring Diagram (Refer to Figure 1 for component locations):

1. Power Connection:

- Connect the **+12V** terminal to a fused constant +12V power source from the vehicle's battery.
- Connect the **REMOTE** terminal to the remote turn-on output of your head unit.
- Connect the **GND** terminal to a clean chassis ground point.

2. Input Connections:

- Connect your head unit's front pre-amp outputs to the **FRONT INPUT (L/R)** RCA jacks.
- Connect your head unit's rear pre-amp outputs to the **REAR INPUT (L/R)** RCA jacks.
- If using a single stereo input for all channels, use the **PARALLEL INPUT** switch.

3. Output Connections:

- Connect the **FRONT OUTPUT (L/R)** RCA jacks to the input of your front speaker amplifier.
- Connect the **REAR OUTPUT (L/R)** RCA jacks to the input of your rear speaker amplifier.
- Connect the **SUB OUTPUT (L/R)** RCA jacks to the input of your subwoofer amplifier.

4. Remote Level Control:

- Plug the remote level control cable into the **REMOTE LEVEL** port on the crossover and mount the control knob in an accessible location.

OPERATING INSTRUCTIONS

Once installed, adjust the settings on the TAG-3XR to optimize your audio system's sound quality.

Control Functions:

• HI-PASS CROSSOVER (FRONT/REAR):

- **FREQUENCY Knob (32-400 Hz):** Sets the low-frequency cut-off point for your front/rear speakers. Frequencies below this point will be attenuated.
- **FREQUENCY MULTIPLIER Switch (x1 / x20):** Multiplies the frequency range of the knob. Use x1 for standard ranges, x20 for higher cut-off points (e.g., for tweeters).
- **LEVEL Knob (MIN/MAX):** Adjusts the output level for the high-pass channels.

• SUBWOOFER CROSSOVER:

- **FREQUENCY Knob (32-400 Hz):** Sets the high-frequency cut-off point for the subwoofer. Frequencies above this point will be attenuated.
- **BASS BOOST Switch (0 / 12dB):** Provides a selectable bass boost at a specific frequency (usually around 45-50 Hz).

- **PHASE Switch (0° / 180°):** Adjusts the phase of the subwoofer output. Use to align the subwoofer's output with the main speakers for better bass integration.
- **MODE Switch (ST / MO):** Selects between stereo (ST) or mono (MO) operation for the subwoofer output. Mono is typically preferred for subwoofers.
- **LEVEL Knob (MIN/MAX):** Adjusts the output level for the subwoofer channel.

- **REMOTE LEVEL:**

- This external knob allows for convenient adjustment of the subwoofer output level from your listening position.

Initial Setup Steps:

1. Set all LEVEL knobs to minimum.
2. Set all FREQUENCY knobs to their mid-point.
3. Set FREQUENCY MULTIPLIER switches to x1.
4. Set BASS BOOST to 0dB.
5. Set PHASE to 0°.
6. Set SUBWOOFER MODE to MO (Mono).
7. Turn on your audio system and play a familiar track.
8. Gradually increase the FRONT and REAR LEVEL knobs until the main speakers are at a comfortable listening volume without distortion.
9. Adjust the HI-PASS FREQUENCY knobs to prevent small speakers from playing very low bass, which can cause distortion.
10. Gradually increase the SUBWOOFER LEVEL knob until the bass blends well with the main speakers.
11. Adjust the SUBWOOFER FREQUENCY knob to blend the subwoofer's output with the main speakers.
12. Experiment with the PHASE switch (0° vs 180°) to find the setting that provides the most impactful and integrated bass.
13. Use the BASS BOOST switch if you desire a more pronounced bass response, but be cautious of distortion.

MAINTENANCE

The Targa TAG-3XR is designed for reliable operation with minimal maintenance.

- Keep the unit clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Ensure all connections remain secure. Periodically check wiring for any signs of wear or corrosion.
- Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.

TROUBLESHOOTING

If you experience issues with your Targa TAG-3XR, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power to the unit.	• Blown fuse. • Loose power or ground connection. • No remote turn-on signal.	• Check and replace fuse if necessary. • Verify all power, ground, and remote connections are secure. • Ensure head unit's remote output is active.

Problem	Possible Cause	Solution
No sound from speakers.	• Incorrect RCA connections. • Level knobs set to minimum. • Amplifier issues.	• Check all input and output RCA cables. • Increase LEVEL knobs on the crossover. • Verify amplifiers are powered on and functioning.
Distorted sound.	• Levels set too high. • Incorrect frequency settings. • Poor grounding.	• Reduce LEVEL knobs on the crossover and/or amplifier gain. • Adjust frequency settings to match speaker capabilities. • Ensure a clean, secure ground connection.
Weak or no bass.	• Subwoofer level too low. • Incorrect subwoofer frequency or phase. • Subwoofer amplifier issues.	• Increase SUBWOOFER LEVEL. • Adjust SUBWOOFER FREQUENCY and experiment with the PHASE switch (0°/180°). • Check subwoofer amplifier and wiring.

If the problem persists after trying these solutions, contact customer support or a qualified technician.

SPECIFICATIONS

Feature	Detail
Model	TAG-3XR
Type	3-Way Mobile Electronic Crossover
Connectivity Technology	RCA
Power Source	12V DC (from vehicle)
Audio Output Mode	Multiple (Low, Mid, High)
Item Dimensions (L x W x H)	38L x 23W x 15H centimetres
Item Weight	400 Grams
Included Components	1 x Targa TAG-3XR 3-Way Audio Crossover With Remote (Note: EvoTuning Tweeters and Gel Key Holder are separate items and not part of the crossover unit itself)
UPC	745853664022
Model Number	74585366402

Feature	Detail
Country of Origin	China

WARRANTY INFORMATION

The Targa TAG-3XR 3-Way Audio Crossover 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, accidents, unauthorized modifications, or normal wear and tear. Please retain your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact your retailer or the manufacturer's customer service department. Refer to your purchase documentation for specific contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0D4QZRPNH>

More documents and user manuals: **<https://manuals.plus/>**