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auna C8-Basswaver X12L

AUNA Basswaver X12L Active Car Subwoofer Instruction Manual

Model: C8-Basswaver X12L | Brand: auna

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your AUNA Basswaver X12L Active Car Subwoofer. Please read these instructions carefully before installation and use, and retain them for future reference. The AUNA Basswaver X12L is designed to enhance your vehicle's audio system with powerful bass reproduction.

2. SAFETY INSTRUCTIONS

- Ensure proper ventilation around the subwoofer to prevent overheating.
- Disconnect the vehicle's battery before performing any electrical connections to avoid short circuits.
- All wiring should be securely connected and insulated to prevent electrical hazards.
- Do not expose the subwoofer to moisture or extreme temperatures.
- Avoid placing objects on top of the subwoofer that could obstruct sound or ventilation.
- Consult a professional car audio installer if you are unsure about any installation steps.
- Operating the subwoofer at excessively high volumes for prolonged periods can cause hearing damage.

3. PACKAGE CONTENTS

Please check the package contents upon unpacking. If any items are missing or damaged, contact your retailer.

- 1 x AUNA Basswaver X12L Active Car Subwoofer Unit
- 1 x 12V Power Cable
- 1 x English User Manual

4. PRODUCT OVERVIEW

The AUNA Basswaver X12L features a robust design with dual 12-inch woofers and integrated amplification, housed in a low-resonance bass reflex enclosure. It includes an atmospheric blue LED effect illumination.



Figure 4.1: Front view of the AUNA Basswaver X12L Active Car Subwoofer, showcasing the dual 12-inch woofers and central blue LED light strip.



Figure 4.2: Detailed view of the subwoofer's front panel, highlighting the silver trim around the woofers and the illuminated blue LED strip.

Rear Panel Connections and Controls

The rear panel provides all necessary connections and controls for power, audio input, and sound customization.



Figure 4.3: Rear panel of the subwoofer, showing power terminals, high-level input, RCA line inputs, MP3 input, volume control, crossover switch, and frequency adjustment knob.

- **Power Terminals:** GND (Ground), +12V (Power), REM (Remote Turn-On).
- **Fuse:** 12V/15A fuse for protection.
- **High SPK / High IN:** High-level speaker inputs for connection to car stereo speaker outputs.
- **LIN / RIN:** Stereo RCA line inputs for connection to car stereo RCA outputs.
- **MP3 IN:** 3.5mm jack input for direct connection of MP3 players, smartphones, or tablets.
- **MP3 Volume:** Rotary knob to adjust the volume of the MP3 input.
- **Crossover Switch:** Selects between "FULL BASS" (full range) and "FREQ" (low-pass filter active).
- **FREQ (Frequency):** Rotary knob to adjust the low-pass filter frequency (50Hz - 250Hz) when "FREQ" is selected.
- **Power LED:** Indicates power status.

5. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. It is recommended to have this unit installed by a qualified

professional.

5.1 Placement

Place the subwoofer securely in the trunk or cargo area of your vehicle. Ensure it is stable and will not shift during driving. The angled back of the enclosure is designed for flexible placement.



Figure 5.1: Example placement of the AUNA Basswaver X12L in a vehicle's trunk, demonstrating its compact fit.

5.2 Wiring Connections

Before making any connections, disconnect the negative terminal of your vehicle's battery.

- 1. Power (+12V):** Connect the supplied 12V power cable to the +12V terminal on the subwoofer. Run this cable directly to the positive terminal of your car battery. An inline fuse (not supplied, but typically included in car audio wiring kits) should be installed as close to the battery as possible for protection.
- 2. Ground (GND):** Connect a short, heavy gauge wire from the GND terminal to a clean, unpainted metal surface on the vehicle's chassis. Ensure a good electrical contact.
- 3. Remote Turn-On (REM):** Connect a wire from the REM terminal to the remote output of your car stereo. This wire tells the subwoofer to turn on and off with your car stereo. If your stereo does not have a remote output, you can connect it to an accessory wire that turns on with the ignition, but this is less ideal.
- 4. Audio Input:**
 - RCA Line Input (LIN/RIN):** If your car stereo has RCA pre-outs, connect them to the LIN and RIN inputs on the subwoofer using RCA cables. This is the preferred method for best sound quality.
 - High-Level Speaker Input (High SPK / High IN):** If your car stereo does not have RCA pre-outs, connect the speaker outputs of your car stereo directly to the High SPK / High IN terminals. Ensure correct polarity (+ to + and - to -).

Once all connections are made, reconnect the negative terminal of your vehicle's battery.

6. OPERATING INSTRUCTIONS

After successful installation, you can power on your car stereo. The subwoofer should turn on automatically via the remote wire (REM). The blue LED illumination will activate.

6.1 Audio Source Selection

- **Car Stereo Input:** If using RCA or high-level inputs, the subwoofer will receive its signal from your car stereo. Adjust the bass levels on your car stereo as desired.
- **MP3 Input:** To play music directly from an external device (MP3 player, smartphone, tablet), connect it to the 3.5mm MP3 IN jack.

6.2 Adjusting Sound Settings

- **MP3 Volume:** If using the MP3 input, use the "MP3 VOLUME" knob on the rear panel to adjust the output level of the connected device.
- **Crossover (FREQ):**
 - Set the "CROSSOVER" switch to "FULL BASS" for the subwoofer to reproduce the full range of bass frequencies it receives.
 - Set the "CROSSOVER" switch to "FREQ" to activate the low-pass filter. Use the "FREQ" rotary knob to adjust the cutoff frequency between 50Hz and 250Hz. This allows you to tailor the subwoofer's output to blend seamlessly with your main speakers, ensuring only low frequencies are reproduced by the subwoofer.

Experiment with the frequency setting to find the optimal balance for your vehicle's acoustics and personal preference.

7. MAINTENANCE

To ensure the longevity and optimal performance of your subwoofer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the exterior of the subwoofer. Do not use abrasive cleaners, solvents, or waxes.
- **Ventilation:** Ensure that the subwoofer's ventilation areas are not blocked by debris or other objects.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Environment:** Avoid exposing the subwoofer to direct sunlight, extreme heat, or excessive moisture.

8. TROUBLESHOOTING

If you experience issues with your AUNA Basswaver X12L, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|--|---|--|
| No power / Subwoofer does not turn on. | <ul style="list-style-type: none">◦ Blown fuse.◦ Loose power or ground connection.◦ No remote turn-on signal. | <ul style="list-style-type: none">◦ Check and replace the 15A fuse if necessary.◦ Verify all power, ground, and remote connections are secure.◦ Ensure the car stereo's remote output is active when the stereo is on. |

| Problem | Possible Cause | Solution |
|----------------------------------|---|---|
| No sound from subwoofer. | <ul style="list-style-type: none"> ◦ No audio input signal. ◦ Volume too low. ◦ Incorrect crossover setting. | <ul style="list-style-type: none"> ◦ Check RCA or high-level input connections. Ensure the source device is playing audio. ◦ Increase the volume on your car stereo or the MP3 volume knob. ◦ Adjust the "FREQ" knob or switch to "FULL BASS". |
| Distorted or poor sound quality. | <ul style="list-style-type: none"> ◦ Input signal too high (clipping). ◦ Incorrect crossover frequency. ◦ Loose speaker wires. | <ul style="list-style-type: none"> ◦ Reduce the volume or bass level on your car stereo. ◦ Adjust the "FREQ" knob to find a better blend with your main speakers. ◦ Check all speaker wire connections for tightness and correct polarity. |
| Subwoofer overheats. | <ul style="list-style-type: none"> ◦ Insufficient ventilation. ◦ Prolonged operation at high volume. | <ul style="list-style-type: none"> ◦ Ensure adequate airflow around the subwoofer. ◦ Reduce volume and allow the unit to cool down. |

9. SPECIFICATIONS

Technical specifications for the AUNA Basswaver X12L Active Car Subwoofer:

| | |
|---------------------------------------|---|
| Model | C8-Basswaver X12L |
| Brand | auna |
| Speaker Type | Active Subwoofer (Woofer) |
| Subwoofer Diameter | 2 x 30 cm (12 Inches) |
| Max Power Output | 2100W |
| RMS Power Output | 100 Watts |
| Frequency Response | 50 Hz - 250 Hz |
| Impedance | 4 Ohm |
| Voice Coil | 1.5 inch |
| Magnet | 8.5 oz |
| Input Voltage | 12 Volts |
| Connectivity Technology | RCA, High-Level, 3.5mm MP3 Jack |
| Special Features | Integrated Amplifier, Blue LED Illumination, Adjustable Low-Pass Filter |
| Product Dimensions (W x H x D) | 76.5 x 35.5 x 30 cm |
| Item Weight | 17 Kilograms |



Figure 9.1: Dimensional diagram of the AUNA Basswaver X12L, indicating its width (76.5 cm), height (35.5 cm), and depth (30 cm).

10. WARRANTY AND SUPPORT

Your AUNA Basswaver X12L Active Car Subwoofer comes with a manufacturer's warranty. Please refer to the warranty card included with your purchase or contact your retailer for specific warranty terms and conditions.

For technical support, troubleshooting assistance beyond this manual, or inquiries regarding spare parts, please contact the auna customer support team or your authorized dealer. Contact information can typically be found on the manufacturer's website or your purchase documentation.

Related Documents - C8-Basswaver X12L

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|--|--|
|  <p>Auna NR-620 Kompaktanlage: Plattenspieler, Kassettendeck, MP3-CD-Player & Radio</p> <p>Umfassende Bedienungsanleitung für die Auna NR-620 Kompaktanlage. Erfahren Sie mehr über die Funktionen wie Plattenspieler, Kassettendeck, CD-Player, Radio, MP3-Wiedergabe und Digitalisierung von Schallplatten und Kassetten.</p> | |
|  <p>Auna Stereo Components HiFi System User Manual</p> <p>Comprehensive user manual for the Auna Stereo Components HiFi system, covering amplifier and CD player functions, connections, remote control operation, MP3 playback, USB input, radio tuning, troubleshooting, and disposal information.</p> | |

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|---|---|
|  | <p><u>auna BX-Graceland TT Jukebox User Manual</u></p> <p>User manual for the auna BX-Graceland TT Jukebox (model US-10030442) by Berlin Brands Group Inc. This guide provides setup, operation, safety, and technical details for the turntable and Bluetooth-enabled jukebox.</p> |
|  | <p><u>Areal Bar 650 2.1 Sound System Bedienungsanleitung</u></p> <p>Bedienungsanleitung für das auna Areal Bar 650 2.1 Sound System mit 120W RMS Gesamtleistung. Erfahren Sie mehr über Installation, Bluetooth-, USB-, HDMI- und AUX-Anschlüsse sowie Fehlerbehebung für Ihr Audiosystem.</p> |
|  | <p><u>Auna CD-1000 DG CD Player User Manual</u></p> <p>User manual for the Auna CD-1000 DG CD Player, detailing technical specifications, safety instructions, device description, remote control functions, and setup.</p> |
|  | <p><u>Auna Areal Bar 750 Soundbar Bedienungsanleitung</u></p> <p>Umfassende Bedienungsanleitung für die Auna Areal Bar 750 Soundbar. Erfahren Sie mehr über technische Daten, Sicherheit, Anschlüsse, Inbetriebnahme, Bedienung und Fehlerbehebung für Ihr 2.1 Soundsystem mit Bluetooth und USB.</p> |