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Crimestopper SW-616

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Instruction Manual

1. INTRODUCTION

The Crimestopper Lynx Audio SW-616 is an active 10-inch subwoofer system designed to enhance the bass output of your vehicle's audio system. It features a built-in 360W amplifier and is housed in a custom sealed Rosewood enclosure. This system is suitable for integration with both factory and aftermarket car stereos, providing a powerful and controlled bass experience.

Key Features:

- Active 10-inch subwoofer with integrated 360W (Max Output) amplifier.
- RMS Power: 120 Watts.
- Designed for trunk/cargo space mounting.
- RCA and speaker-level inputs for versatile connectivity.
- Includes a wired remote for gain and frequency control.
- Features bass boost at 40Hz.
- Comes with a complete pre-wired power harness for simplified installation.
- Luxury Rosewood box for optimal low-frequency reproduction.

2. PACKAGE CONTENTS

Please verify that all items are present before beginning installation:

- Lynx Audio SW-616 Active 10-Inch Subwoofer Unit
- Pre-wired Power Harness
- Wired Gain/Frequency Control Remote
- Mounting Hardware (if applicable, check packaging)
- User Manual (this document)

3. SAFETY INFORMATION

Read all instructions carefully before installation and use. Failure to follow these instructions may result in damage to the product, vehicle, or personal injury.

- **Electrical Safety:** Disconnect the vehicle's negative battery terminal before making any electrical connections. Ensure all wiring is properly insulated and secured to prevent short circuits.
- **Mounting:** Securely mount the subwoofer unit to prevent it from shifting during vehicle movement, which could cause injury or damage.
- **Hearing Protection:** Prolonged exposure to high volume levels can cause permanent hearing damage. Adjust volume to a safe level.
- **Professional Installation:** If you are unsure about any part of the installation process, consult a qualified car audio professional.
- **Ventilation:** Ensure the subwoofer unit has adequate ventilation to prevent overheating. Do not block vents.

4. SETUP AND INSTALLATION

The SW-616 is designed for straightforward installation, particularly with its pre-wired harness.

4.1 Mounting Location

The subwoofer is intended for mounting in the trunk or cargo space of your vehicle. Choose a location that allows for secure fastening and does not obstruct other vehicle functions or safety equipment. Ensure there is sufficient space around the unit for air circulation.



Image: The Lynx Audio SW-616 Active 10-Inch Subwoofer unit, showcasing its Rosewood enclosure and compact design for vehicle installation.

4.2 Wiring Connections

The SW-616 comes with a pre-wired power harness to simplify connections. Follow these steps for proper wiring:

1. **Power Connection:** Connect the main power wire (typically red) from the pre-wired harness directly to the vehicle's positive battery terminal. Ensure an appropriate fuse (not supplied, check product specifications for recommended rating) is installed within 18 inches of the battery.
2. **Ground Connection:** Connect the ground wire (typically black) from the harness to a clean, unpainted metal surface on the vehicle chassis. Ensure a solid, low-resistance connection.
3. **Remote Turn-On:** Connect the remote turn-on wire (typically blue or thin red) to the remote output of your car stereo. This wire signals the subwoofer to turn on and off with your stereo.
4. **Audio Input (RCA):** If your car stereo has RCA pre-outs, connect them to the RCA inputs on the SW-616.
5. **Audio Input (Speaker Level):** If your car stereo does not have RCA pre-outs, use the speaker-level inputs. Connect the speaker wires from your stereo's rear speakers (or other full-range speakers) to the corresponding speaker-level inputs on the SW-616. Observe correct polarity (+ to + and - to -).
6. **Wired Remote Control:** Connect the wired gain/frequency control remote to the designated port on the

subwoofer unit. Route the remote to a convenient location for the driver.

After all connections are made, double-check all wiring for security and correct polarity before reconnecting the vehicle's negative battery terminal.

5. OPERATING INSTRUCTIONS

Once installed, the SW-616 can be adjusted to suit your listening preferences using the wired remote control.

5.1 Wired Remote Control

The wired remote provides convenient control over key subwoofer settings from the driver's seat:

- **Gain Control:** Adjusts the overall output level of the subwoofer. Start with the gain set low and gradually increase it until the bass blends smoothly with the rest of your audio system without overpowering it.
- **Frequency Control:** Adjusts the crossover frequency, determining which low frequencies the subwoofer will reproduce. Experiment with this setting to find the best integration with your main speakers. A common starting point is around 80-100 Hz.

5.2 Bass Boost

The SW-616 features a bass boost at 40Hz. This function provides an additional emphasis on very low frequencies, which can be adjusted to add more impact to your music. Use this feature judiciously to avoid distortion.

6. MAINTENANCE

The Lynx Audio SW-616 is designed for reliable operation with minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use harsh chemicals or abrasive cleaners.
- **Ventilation:** Ensure that the subwoofer's vents are not blocked by debris or other objects to maintain proper airflow and prevent overheating.
- **Connections:** Periodically check all wiring connections to ensure they remain secure and free from corrosion.

7. TROUBLESHOOTING

If you experience issues with your SW-616 subwoofer, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|------------------------------------|---|---|
| No sound from subwoofer | No power to the unit Remote turn-on not connected Audio input not connected or faulty Gain set too low | Check power, ground, and fuse connections. Ensure remote turn-on wire is connected to stereo's remote output. Verify RCA or speaker-level input connections. Increase gain using the wired remote. |
| Distorted or unclear bass | Gain set too high Crossover frequency incorrect Poor audio input signal | Decrease gain using the wired remote. Adjust frequency control on the wired remote. Check source unit output and input wiring. |
| Subwoofer turns off intermittently | Loose power or ground connection Overheating | Check all power and ground connections for tightness. Ensure adequate ventilation around the unit. Reduce volume if overheating is suspected. |

8. SPECIFICATIONS

| | |
|--------------------------------|---------------------------------------|
| Model Name | SW-616 |
| Speaker Type | Active Subwoofer |
| Subwoofer Diameter | 10 Inches |
| RMS Output Power | 120 Watts |
| Maximum Output Power | 360 Watts |
| Connectivity Technology | Wired (RCA, Speaker Level) |
| Control Method | Remote (Wired Gain/Frequency Control) |
| Bass Boost | 40Hz |
| Recommended Uses | Vehicle |
| Mounting Type | Trunk Mount, Ground Mount |
| Product Dimensions | 16 x 16 x 13 inches |
| Item Weight | 27.4 pounds |
| Manufacturer | Crimestopper Security Products, Inc |
| UPC | 048097600093 |

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the retailer or manufacturer directly. Warranty terms and conditions may vary based on region and point of purchase.

Manufacturer Contact: Crimestopper Security Products, Inc.

Please retain your proof of purchase for any warranty claims.