Whelen HHS3200

Whelen HHS3200 200-Watt Siren Instruction Manual

Model: HHS3200 | Brand: Whelen

1. PRODUCT OVERVIEW

The Whelen HHS3200 200-Watt Siren is engineered for emergency vehicles, providing full function control with hands-free operation and a variety of tones. Its compact and durable design ensures reliable high-power output and dependable performance for first responders in demanding situations.

Figure 1: Whelen HHS3200 Main Unit with detailed System Connection Map.

2. KEY FEATURES

- **200-Watt Output:** Delivers powerful and clear audio for effective warning.
- **Full Function Control:** Comprehensive control over siren tones and public address functions.
- **Hands-Free Operation:** Allows for safe and convenient use during critical situations.
- **Multiple Tones:** A wide selection of siren tones to suit various emergency protocols.
- **Compact Design:** Facilitates easy installation in diverse vehicle types.
- **Durable Construction:** Built to withstand harsh environmental conditions and rigorous use.
- **Wireless Remote:** Included for flexible control options.
- **Noise Level:** Capable of producing up to 130 Decibels.

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. It is recommended that installation be performed by a

qualified professional.

3.1 Component Identification

Figure 2: Whelen HHS3200 Main Control Unit. Note the various input/output ports and fuse locations.

Figure 3: Whelen HHS3200 Handheld Controller. This unit provides intuitive access to all siren and PA functions.

3.2 Wiring and Connections

1. **Power Connection:** Connect the main unit's power wires directly to the vehicle's battery. Ensure proper polarity (red to positive, black to negative) and use appropriate fusing.
2. **Speaker Connection:** Connect the siren speaker to the designated output on the main unit. Ensure a firm and secure connection.

3. **Controller Connection:** Plug the handheld controller into the RJ45 port on the main unit.
4. **Auxiliary Connections:** Utilize the auxiliary output wires for connecting external lighting or other compatible devices, as per your specific setup requirements.

3.3 Mounting the Speaker and Main Unit

Mount the siren speaker in a location that allows for maximum sound projection and is protected from direct water exposure, though the unit is designed to be weatherproof. Secure the main unit in a dry, accessible location within the vehicle, ensuring adequate ventilation.

Video 1: Demonstration of connecting a handheld controller and main unit. This video illustrates the process of wiring the controller to the siren system.

Video 2: Installation guide for a police emergency horn siren PA system. This video provides visual steps for mounting the speaker and connecting the wiring within a vehicle's engine bay.

Video 3: Detailed wiring and connection instructions for a 200W emergency siren PA system in a car. This video demonstrates the electrical connections for the siren and controller.

4. OPERATING INSTRUCTIONS

The HHS3200 handheld controller provides intuitive access to all siren and public address functions.

4.1 Powering On/Off

- Press the **Power** button on the handheld controller to turn the unit on. The buttons will illuminate.
- Press and hold the **Power** button to turn the unit off.

4.2 Siren Tones

The controller features dedicated buttons for various siren tones:

- **WAIL-1, YELP, WAIL-2, PHSR, HI-LO, TOOL:** Press these buttons to activate the corresponding siren tone.
- **AUTO:** Activates an automatic sequence of tones.
- **6S:** Activates a 6-second burst tone.
- **CONVER:** Press and hold the "CONVER" button, then press any tone button to switch between multiple modes or variations of that tone.

Video 4: Demonstration of various siren tones available on the Whelen HHS4200 (similar functionality to HHS3200). This video showcases the distinct sounds of Yelp, Wail, and Phaser tones.

Video 5: A short product shot of the Whelen HHS3200, highlighting its features and operation. This video provides a quick visual overview of the unit.

4.3 Public Address (PA) System

- To use the PA function, press and hold the side button on the handheld microphone. Speak clearly into the microphone.
- Release the button to stop broadcasting.

4.4 Volume Control

- Use the **VOL** button to adjust the siren and PA volume.
- The **HIGH** and **BASS** buttons can be used to fine-tune the audio output.

5. MAINTENANCE

The Whelen HHS3200 is built for durability. Regular maintenance ensures its longevity and reliable performance.

- **Regular Inspection:** Periodically check all wiring and connections for signs of wear, corrosion, or damage. Ensure all mounting hardware is secure.
- **Cleaning:** Keep the main unit and handheld controller clean and free from dust and debris. Use a soft, dry cloth. Avoid harsh chemicals or abrasive cleaners.
- **Environmental Protection:** While the unit is durable, avoid prolonged exposure to extreme temperatures or direct moisture where possible to extend its lifespan.

6. TROUBLESHOOTING

If you encounter issues with your Whelen HHS3200, refer to the following common troubleshooting steps:

- **No Power:** Check the main power connection to the vehicle battery and ensure all fuses are intact. Verify the power button on the controller is pressed.
- **No Sound from Siren:** Ensure the speaker is properly connected to the main unit. Check speaker wiring for continuity. Verify volume settings are not at minimum.
- **PA System Not Working:** Confirm the microphone is securely plugged into the controller. Ensure the side button on the microphone is pressed firmly when speaking.
- **Intermittent Operation:** Inspect all wiring for loose connections or damaged insulation. Ensure the main unit is securely mounted and not subject to excessive vibration.

If problems persist after attempting these steps, contact a qualified technician or Whelen customer support for assistance.

7. SPECIFICATIONS

Feature	Detail
Model Number	HHS3200
Output Power	200 Watt
Item Weight	3.64 pounds
Package Dimensions	14.7 x 10.5 x 5.9 inches
Noise Level	130 Decibels
Wireless Remote	Yes
Compatible Devices	Low current or high current products, or any light with a built-in flasher
Manufacturer	Whelen Engineering
Date First Available	August 14, 2018

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Whelen Engineering website or contact their customer service department. Keep your purchase receipt as proof of purchase for any warranty claims.