

YHAAVALE X5UB

YHAAVALE X5UB Car Electronic Siren System User Manual

Model: X5UB

1. PRODUCT OVERVIEW

The YHAAVALE X5UB is a multi-function 100W car electronic siren alarm system designed for emergency and public address applications. It integrates an amplifier, a metal ultra-slim octagon compact flat speaker, and a wireless remote control with a handheld microphone. This system provides clear and audible sound output with multiple siren tones and PA capabilities.



Figure 1.1: Overview of the YHAAVALE X5UB Car Electronic Siren System components, including the amplifier, speaker, wireless remote, and various cables and accessories.

2. SAFETY INFORMATION

- Ensure the system is installed by a qualified professional to prevent electrical hazards.
- Always disconnect the vehicle's battery before installation or maintenance.
- Do not operate the siren in residential areas or where prohibited by law.
- Keep the system away from water and excessive heat.
- Use only the specified power input (DC12V) to avoid damage.
- The siren produces high decibel levels; prolonged exposure without hearing protection may cause damage.

3. SPECIFICATIONS

Feature	Description
Model	X5UB
Power Output	100W

Voltage	DC12V
Sound Level	115-122dB (Speaker)
Operation Modes	20+ siren tones (Ambassador, Air defense, Rescue, Police, Fire), Manual Horn, Manual Siren, PA System
Control	Wireless Remote Control with Handheld Microphone
Auxiliary Outputs	Two-channel 12V LED light control (fused with 20 amp AGC fuse)
Material	Metal (Amplifier, Speaker)



Figure 3.1: Illustration of the loudspeaker's decibel output (118-124dB) compared to other loud sounds like a jet engine, F1 race car, chainsaw, and motorcycle.

4. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and safety of the YHAAVALE X5UB system. It is recommended that installation be performed by a professional.

4.1 Component Identification

- **Amplifier Unit:** The main control unit for the siren and PA system.
- **Speaker:** The octagon-shaped speaker for sound output.
- **Wireless Remote Control:** Used to select siren tones, control PA, and auxiliary lights.
- **Handheld Microphone:** Integrated into the remote for PA functionality.
- **Wiring Harness:** For power, speaker, and auxiliary connections.



Figure 4.1: Close-up view of the YHAAVALE X5UB amplifier unit, showing the fuse (20A) and connection ports for battery, speaker, and light control.

4.2 Wiring Diagram (General Guidance)

1. **Power Connection:** Connect the red wire from the amplifier to the vehicle's positive (+) 12V battery terminal

(preferably through a fused circuit). Connect the black wire to the vehicle's chassis ground (-).

2. **Speaker Connection:** Connect the speaker wires to the designated speaker output terminals on the amplifier. Ensure correct polarity.
3. **Auxiliary Light Control:** If using, connect your 12V LED lights to the auxiliary output channels on the amplifier. These are controlled via the remote. Each auxiliary switch is fused with a 20 amp AGC fuse.
4. **Remote Control Pairing:** The wireless remote is typically pre-paired. If re-pairing is needed, refer to the specific instructions provided with the unit (not detailed here).

Auxiliary switches

The auxiliary switches are meant to be used to power other external device and appliances on the vehicle, such as strobe lights. Each auxiliary switch is fused with a 20 amp AGC fuse.



Figure 4.2: The auxiliary switches on the remote control are designed to power external devices like strobe lights. Each switch is protected by a 20 amp AGC fuse.

4.3 Mounting

- **Amplifier:** Mount the amplifier in a dry, secure location within the vehicle, away from excessive heat or vibration.
- **Speaker:** Mount the speaker in an unobstructed location, typically behind the grille or bumper, ensuring sound projection is clear and directed forward.

- **Remote Control:** The remote control can be mounted using its magnetic base or 3M metal adhesive for convenient access within the vehicle cabin.

Charging is more convenient

Pre-wired push to talk microphone.
Push to talk microphone which overrides any activated
warning tone when in use.



Figure 4.3: The wireless remote control can be conveniently mounted using its magnetic base or the included 3M metal adhesive for easy access.

5. OPERATING INSTRUCTIONS

The YHAAVALE X5UB system is operated primarily via the wireless remote control.

5.1 Remote Control Functions

Handheld Microphone

Pre-wired push to talk microphone.
Push to talk microphone which overrides any activated
warning tone when in use.



Figure 5.1: Detailed view of the YHAAVALE X5UB wireless remote control, highlighting buttons for siren tones, horn, PA, and auxiliary light control.

- **Power ON/OFF:** Press the **ON/OFF** button to activate or deactivate the system.
- **Siren Tones:** The remote features buttons for various siren tones such as **WAIL**, **YELP**, **HI-LO**, **CO**, **CO**, **A**, **B**, **C**, **D**. Press the desired button to activate the corresponding tone.
- **Manual Horn:** Press the **HORN** button for a momentary horn sound.
- **Manual Siren:** Press the **SIREN** button for a manual siren sound.
- **PA System:** To use the Public Address (PA) system, press and hold the **MIC** button on the handheld microphone and speak clearly. The pre-wired push-to-talk microphone overrides any activated warning tone when in use.
- **Volume Control:** Use the **VOL+** and **VOL-** buttons to adjust the volume of the PA system.
- **Auxiliary Light Control:** The remote has buttons (e.g., **RIO**, **DIS**, **AUTO**) to control connected 12V LED lights. Refer to your specific light setup for exact functionality.

Universal application

police, fire, ambulance, traffic, engineer, volunteer, and private vehicle to use as a PA system or audio warning device.



Figure 5.2: The handheld microphone allows for public address functionality. Pressing the MIC button overrides any active siren tone for clear communication.

5.2 Charging the Remote Control

The wireless remote control is rechargeable. It supports charging via a Micro USB port. Any standard Micro USB charger can be used.

Charging is more convenient

Pre-wired push to talk microphone.
Push to talk microphone which overrides any activated warning tone when in use.



Figure 5.3: The remote control features a Micro USB port for convenient charging. A standard USB 2.0 cable and vehicle charging adapter are typically included.

6. MAINTENANCE

- **Regular Cleaning:** Keep the amplifier, speaker, and remote control clean and free from dust and debris. Use a soft, dry cloth.
- **Wiring Inspection:** Periodically check all wiring connections for tightness and signs of wear or corrosion.
- **Fuse Replacement:** If an auxiliary light channel stops working, check and replace the 20 amp AGC fuse associated with that channel on the amplifier unit. Always replace with a fuse of the same rating.
- **Battery Health:** Ensure your vehicle's battery is in good condition to provide stable power to the siren system.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from speaker	No power to amplifier; Loose speaker connection; Damaged speaker; Amplifier malfunction.	Check power connections and vehicle fuse. Verify speaker wiring. Test speaker with another audio source if possible. Contact support if amplifier is suspected.
Remote control not responding	Low battery in remote; Remote not paired; Interference.	
PA system not working	Microphone not connected/damaged; Volume too low; Siren tone active.	Ensure microphone is properly connected. Increase PA volume using VOL+ button. Deactivate any active siren tones before using PA.
Auxiliary lights not working	Blown fuse; Loose wiring; Damaged lights.	Check and replace the 20 amp AGC fuse for the specific auxiliary channel. Verify wiring to the lights. Test lights independently.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please contact YHAAVALE customer service. Keep your purchase receipt as proof of purchase.

Brand: YHAAVALE

Website: [YHAAVALE Amazon Store](#)

Note: Specific warranty terms and contact details may vary. Please refer to the packaging or official YHAAVALE website for the most up-to-date information.

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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