

Ehaho MT-6221

Ehaho 2.1CH Stereo UTV Sound Bar System

Model: MT-6221 | Brand: Ehaho

1. INTRODUCTION

Thank you for choosing the Ehaho 2.1CH Stereo UTV Sound Bar System. This manual provides essential information for the proper installation, operation, and maintenance of your new sound system. Please read this manual thoroughly before use to ensure optimal performance and safety. This system is designed to deliver powerful and immersive audio with dynamic RGB lighting for various outdoor vehicles.



Figure 1: Ehaho 2.1CH Stereo UTV Sound Bar System

2. SAFETY INFORMATION

- **Power Source:** Connect the unit only to a 12V DC power source. Ensure correct polarity to prevent damage.
- **Wiring:** Ensure all wiring is securely connected and insulated to prevent short circuits. Consult a professional for complex installations.
- **Mounting:** Securely mount the soundbar and speakers using the provided brackets to prevent detachment during vehicle operation.
- **Waterproof Rating:** The unit has an IP66 waterproof rating, protecting against dust and strong jets of water. Avoid submerging the unit.
- **Volume Control:** Avoid prolonged listening at high volumes to prevent hearing damage.
- **Operation:** Do not operate the system if any part is damaged or malfunctioning.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x 26-inch Sound Bar (Subwoofer)
- 2x 4" Full-range Speakers
- 2x Remote Controls
- 1x User Guide
- 4x Mounting Brackets
- 1x Spare Extendable Cable
- Connectors
- 1x Fuse (10A)
- Mounting Kit (screws, Allen wrench)



Figure 2: Included Components

4. PRODUCT FEATURES

- **Powerful 2.1 Stereo Sound:** Features 2x 4" full-range speakers and a 26-inch rectangular subwoofer with 2x 4" speaker units and two full-range diaphragms, delivering 700W peak power for deep, rich bass.
- **Dynamic RGB Lighting:** Subwoofer includes RGB LED lights on the center and sides, reflecting onto

vibrating speakers. Full-range speakers have blue LED lights that change brightness with volume, offering a dynamic visual experience.

- **IP66 Waterproof & Dustproof:** Heavy-duty housing ensures high-level protection against water and dust, suitable for extreme weather and off-road conditions.
- **Multiple Input Options:** Supports Bluetooth 5.0 for stable wireless audio, a USB port for MP3/WMA playback, and a 3.5mm AUX input.
- **Convenient Control:** Equipped with an onboard control panel and a wireless remote control for easy management of audio and lighting settings.
- **Easy Installation:** Designed for 12V vehicles, can be powered via included cigarette lighter connector or direct battery connection. Adjustable mounting brackets fit 1-inch to 2-inch roll bars.



Figure 3: Key Features Overview

5. SETUP

5.1 Mounting the Sound Bar and Speakers

1. **Select Mounting Location:** Choose a suitable location on your vehicle's roll bar (1 to 2 inches in diameter) that allows for clear sound projection and does not obstruct your view or vehicle controls.
2. **Attach Brackets:** Secure the adjustable mounting brackets to the sound bar and satellite speakers using the provided screws and Allen wrench. Ensure they are tightened firmly.
3. **Position on Roll Bar:** Place the sound bar and speakers onto the chosen roll bar sections. Adjust their position for optimal sound and aesthetics.
4. **Secure to Roll Bar:** Tighten the mounting brackets around the roll bar until the sound bar and speakers are firmly in place and do not move.

Easy Mounting with Universal Brackets

Fit for vehicle with 1"-2" roll bar utv, marine



Figure 4: Mounting the System

5.2 Wiring Instructions

The system requires a 12V DC power source. Ensure the vehicle's ignition is off before wiring.

1. **Connect Satellite Speakers:** Connect the speaker wires from the main sound bar to the satellite speakers. Ensure a secure connection.
2. **Power Connection (Cigarette Lighter):** For quick installation, plug the included cigarette lighter power connector into your vehicle's 12V auxiliary power outlet.
3. **Power Connection (Direct to Battery):** For a more permanent installation, connect the marine sound bar power cord directly to your vehicle's 12V battery. Connect the red wire to the positive (+) terminal and the black wire to the negative (-) terminal. Install the 10A fuse on the positive line close to the battery.
4. **Cable Management:** Route all cables neatly and securely, away from moving parts or heat sources, using zip ties or cable clips.



Figure 5: Connectivity Options

Your browser does not support the video tag.

Video 1: Installation demonstration of the UTV Sound Bar System, showing how to attach the mounting brackets and secure the soundbar and speakers to a vehicle's roll cage.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

Press the power button on the control panel or the remote control to turn the system on or off.

6.2 Mode Selection

Press the 'MODE' button on the control panel or remote to cycle through available input modes: Bluetooth, USB, and AUX.

6.3 Bluetooth Pairing

1. Turn on the sound bar. The display will show 'bt' and flash, indicating it's in Bluetooth pairing mode.
2. On your mobile device, enable Bluetooth and search for 'Ehaho Sound Bar'.

3. Select the device to pair. Once connected, the 'bt' indicator will stop flashing.
4. You can now stream audio wirelessly from your device (up to 33 feet / 10 meters).



Figure 6: Bluetooth Connectivity

6.4 USB Playback

Insert a USB drive containing MP3 or WMA audio files into the USB port. The system will automatically switch to USB mode and begin playback. If no device is connected, this mode will be skipped.



Figure 7: USB Input

6.5 AUX Input

Connect your audio device (e.g., MP3 player, smartphone) to the 3.5mm AUX input using an audio cable. Select AUX mode on the sound bar to play audio from your connected device. If no device is connected, this mode will be skipped.



Figure 8: AUX Input

6.6 Audio Control

- **Volume:** Use the 'VOL+' and 'VOL-' buttons on the control panel or remote to adjust the volume.
- **Track Selection:** Use the 'Previous Track' and 'Next Track' buttons on the control panel or remote to skip tracks.
- **Play/Pause:** Use the 'Play/Pause' button on the control panel or remote to pause or resume playback.
- **EQ:** Use the 'EQ' button on the remote to cycle through equalizer presets.

6.7 RGB Lighting Control

The remote control provides full functionality for managing the RGB lighting:

- **Color Selection:** Use the 'COLOR+' and 'COLOR-' buttons to change the static color of the lights.
- **Lighting Modes:** Use the 'MODE+' and 'MODE-' buttons to cycle through various dynamic lighting effects (e.g., flashing, fading, beat-synced).
- **Speed Adjustment:** Use the 'SPEED+' and 'SPEED-' buttons to adjust the speed of dynamic lighting effects.
- **Brightness Adjustment:** Use the 'BRIGHT+' and 'BRIGHT-' buttons to adjust the brightness of the lights.
- **Music Sync:** Press the 'SYN' button to activate music-synced lighting, where lights react to the audio beat.
- **Demo Mode:** Press the 'DEMO' button to showcase all lighting effects.



Figure 9: Remote Control Functions

Video 2: A brief overview of the 2.1CH Stereo UTV Sound Bar, highlighting its features and dynamic RGB lighting in action.

7. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the sound bar and speakers. Avoid using harsh chemicals or abrasive cleaners.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Waterproof Seals:** Ensure all covers and seals are properly closed to maintain the IP66 waterproof rating.
- **Storage:** If storing the vehicle for an extended period, disconnect the sound system from the power source.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Loose power connection, blown fuse, vehicle's 12V outlet not working.	Check all power connections. Replace the fuse if blown. Test the vehicle's 12V outlet with another device.
No sound	Volume too low, incorrect input mode, device not connected, speaker wires loose.	Increase volume. Select correct input mode (Bluetooth, USB, AUX). Ensure device is playing. Check speaker wire connections.
Bluetooth not pairing	Sound bar not in pairing mode, device too far, previously paired device connected.	Ensure sound bar is flashing 'bt'. Move device closer. Disconnect from other Bluetooth devices.
RGB lights not working/changing	Remote battery low, incorrect remote signal, system malfunction.	Replace remote battery. Ensure clear line of sight to the sound bar's sensor. Power cycle the unit.
Subwoofer lacks mid/high frequencies	This is normal operation.	The subwoofer is designed to produce low-frequency sounds only. Optimal audio performance requires proper assembly of the wiring harness as per instructions.

9. SPECIFICATIONS

Feature	Detail
Model Name	2.1CH Stereo UTV Sound system (MT-6221)
Speaker Type	Subwoofers and Full-range Speakers
Speaker Configuration	2x 4" Full-range speakers, 26-inch rectangular subwoofer with 2x 4" speaker units and 2 full-range diaphragms
Maximum Output Power	700 Watts

Feature	Detail
Surround Sound Channel	2.1
Connectivity Technology	Bluetooth 5.0, 3.5mm Auxiliary, USB
Bluetooth Range	33 Feet (10 Meters)
Water Resistance Level	IP66 Waterproof
RGB Lights	7 RGB Lights (on subwoofer and speakers)
Control Method	Remote, Touch (onboard panel)
Input Voltage	12 Volts (DC)
Product Dimensions	3.35"D x 25"W x 5"H
Item Weight	21.1 pounds
Material	Plastic
Mounting Type	Bracket Mounting (adjustable for 1" to 2" roll bars)
Recommended Uses	Off-road, Outdoor (ATV, UTV, Golf Carts, Polaris RZR, Can-Am Maverick X3, Marine)

Product Dimensions

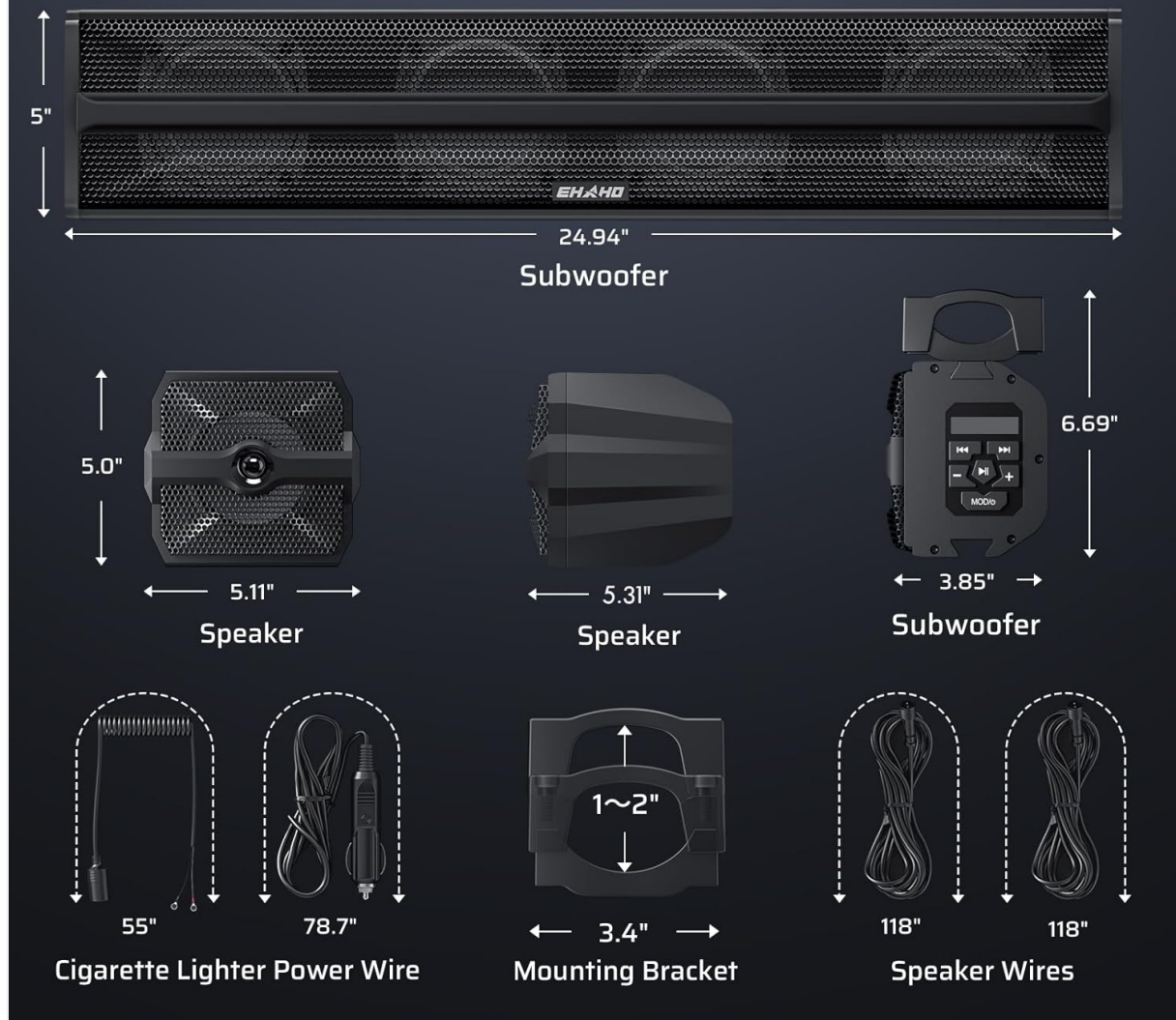


Figure 10: Product Dimensions







10. WARRANTY AND SUPPORT

10.1 Limited Warranty

This Ehaho product comes with a limited warranty. Please refer to the warranty card included in your package for specific terms, conditions, and duration. Keep your proof of purchase for warranty claims.

10.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Ehaho customer support through the retailer where you purchased the product or visit the official Ehaho website for contact information.

	<p>Ehaho MT4100/MT4200 ATV/UTV Sound Bar User Guide</p> <p>Comprehensive user guide for the Ehaho MT4100 and MT4200 ATV/UTV Sound Bars, covering installation, Bluetooth operation, AUX input, illumination, remote control, and troubleshooting.</p>
	<p>Ehaho LED Whip Lights Installation and User Guide</p> <p>Comprehensive guide for installing and operating Ehaho LED RGB Whip Lights, including wiring diagrams, app control, and remote functions. Suitable for off-road vehicles.</p>
	<p>Ehaho L2800 RGB Double Projection Laser Lamp User Manual</p> <p>Comprehensive user manual for the Ehaho L2800 RGB Double Projection Laser Lamp, detailing its features, operation, safety precautions, and remote control functions for DJ and party lighting.</p>
	<p>Ehaho L2600 RGB Laser Light User Manual</p> <p>Comprehensive user manual for the Ehaho L2600 3D Animation RGB Laser Light, covering installation, safety, operation, and DMX control.</p>
	<p>Ehaho L2600 3D Animation RGB Laser Light User Manual</p> <p>Comprehensive user manual for the Ehaho L2600 3D Animation RGB Laser Light, covering general instructions, safety warnings, remote control, and detailed DMX control parameters for professional lighting setups.</p>
	<p>Manuel d'Utilisateur Lumière DJ EHAHO LA500</p> <p>Ce manuel d'utilisation complet pour la lumière DJ EHAHO LA500 détaille l'installation, l'utilisation de l'application LightElf et du contrôle DMX, ainsi que les consignes de sécurité essentielles pour créer des spectacles lumineux dynamiques pour fêtes, bars et clubs.</p>