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GAEWBBH HH-HN1002K

GAEWBBH HH-HN1002K Replacement Remote Control and Receiver Set User Manual

Model: HH-HN1002K

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of the GAEWBBH HH-HN1002K Replacement Remote Control and Receiver Set. This set is designed to replace or upgrade the control system for various kids' electric ride-on cars, ensuring reliable 2.4GHz wireless communication.

The set includes a remote control (HH-HN1002Y) and a receiver (HH-HN1002K) which functions as the mainboard for the ride-on car's control system. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. Safety Information

- Ensure the ride-on car's power is OFF before installing or replacing components.
- Always disconnect the battery before performing any maintenance or installation.
- This product is designed for 6V-12V DC power systems. Do not connect to higher voltage systems.
- Keep small parts away from children to prevent choking hazards.
- If you are unsure about any installation step, consult a qualified technician.

3. Package Contents

Verify that all items are present and undamaged upon opening the package:

- 1 x HH-HN1002K Receiver (Mainboard)
- 1 x HH-HN1002Y Remote Control



Figure 1: GAEWBBH HH-HN1002K Receiver (Mainboard). This image shows the main receiver unit with various ports and connectors for power, motor, and other functions, including labels like J1-XHB, S/F, S/B, GND, ROCK, UCC, and +BAT.





Figure 2: GAEWBBH HH-HN1002Y Remote Control. This image displays the handheld remote control unit, typically used to operate the ride-on car wirelessly.

4. Setup and Installation

This section guides you through replacing your existing receiver and pairing the new remote control.

4.1. Replacing the Receiver (Mainboard)

1. **Disconnect Power:** Ensure the ride-on car's battery is completely disconnected before starting.
2. **Locate Old Receiver:** Identify the existing receiver unit in your ride-on car. It is typically located under the seat or

hood.

3. **Document Connections:** Before disconnecting, take photos or make notes of how all wires are connected to the old receiver. Pay close attention to wire colors and port labels (e.g., motor, battery, steering, pedal).
4. **Remove Old Receiver:** Carefully disconnect all wires from the old receiver and remove it from the car.
5. **Install New Receiver:** Place the new GAEWBBH HH-HN1002K receiver in the same location.
6. **Connect Wires:** Using your notes or photos, connect all wires to the corresponding ports on the new HH-HN1002K receiver. The receiver features clear connectors for easy identification.
    - **Battery (+BAT):** Connect the positive battery wire.
    - **Ground (GND):** Connect the negative battery wire.
    - **Motor (S/F, S/B):** Connect motor wires for forward/backward movement.
    - **Steering (UCC, ROCK):** Connect steering motor wires.
7. **Secure Receiver:** Secure the receiver in place to prevent movement during operation.

4.2. Pairing the Remote Control (HH-HN1002Y)

After installing the receiver, you need to pair the remote control with it.

1. **Insert Batteries:** Open the battery compartment of the HH-HN1002Y remote control and insert the required batteries (typically 2x AAA, not included). Ensure correct polarity.
2. **Power On Car:** Reconnect the ride-on car's battery and turn on the car's main power switch.
3. **Initiate Pairing:** Press and hold the pairing button on the remote control (often a small button labeled "Code" or "Pair") for 3-5 seconds. An indicator light on the remote may flash.
4. **Observe Receiver:** The indicator light on the receiver unit should also flash or change state, indicating it is searching for a signal.
5. **Confirm Pairing:** Once successfully paired, the indicator lights on both the remote and receiver should become solid or stop flashing. Test the remote control by attempting to move the car forward or backward.
6. If pairing fails, turn off both the car and remote, then repeat steps 2-5.

5. Operating Instructions

Once the receiver and remote are installed and paired, you can operate the ride-on car.

- **Power On:** Turn on the main power switch of the ride-on car.
- **Remote Control Functions:**
    - **Forward/Backward:** Use the joystick or directional buttons to move the car.
    - **Left/Right:** Use the steering controls to change direction.
    - **Speed Selection:** Some remotes have buttons for high/low speed.
    - **Emergency Stop:** A dedicated button may be present to immediately stop the car.
- **Range:** The 2.4GHz signal provides stable control within a typical operating range. Avoid operating beyond this range to prevent loss of control.
- **Interference:** While designed for interference-free control, extreme electromagnetic interference sources may affect performance.

6. Maintenance

- **Cleaning:** Wipe the remote control and receiver with a dry, soft cloth. Do not use harsh chemicals or liquids.

- **Battery Replacement (Remote):** Replace remote control batteries when the indicator light dims or operation becomes erratic. Always use new batteries of the specified type.
- **Storage:** When not in use for extended periods, remove batteries from the remote control and store the receiver in a dry, cool place.
- **Connection Check:** Periodically check all wire connections to the receiver to ensure they are secure.

7. Troubleshooting

Problem	Possible Cause	Solution
Car does not respond to remote.	• Remote batteries are dead or inserted incorrectly. • Remote and receiver are not paired. • Loose wire connections to the receiver. • Car's main power is off.	• Replace remote batteries; check polarity. • Re-pair the remote and receiver (refer to Section 4.2). • Check all wire connections to the receiver. • Turn on the car's main power switch.
Erratic or intermittent control.	• Low remote battery power. • Operating beyond effective range. • Interference from other 2.4GHz devices.	• Replace remote batteries. • Operate closer to the ride-on car. • Move away from potential interference sources.
Car moves but steering is unresponsive.	• Steering motor wires are loose or incorrectly connected. • Steering motor malfunction.	• Check steering motor connections to the receiver. • Consult a technician if motor is suspected to be faulty.

8. Specifications

Model Number (Receiver)	HH-HN1002K
Model Number (Remote)	HH-HN1002Y
Brand	GAEWBBH
Operating Voltage	6V - 12V DC
Frequency	2.4GHz (2.420GHz–2.465GHz)
Compatibility	Designed for various kids' electric ride-on cars

9. Warranty Information

GAEWBBH products are manufactured to high-quality standards. This product comes with a standard manufacturer's

warranty against defects in materials and workmanship from the date of purchase. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage caused by:

- Improper installation or use.
- Unauthorized modifications or repairs.
- Accident, abuse, or neglect.
- Normal wear and tear.

For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact customer support.

10. Customer Support

If you encounter any issues or have questions regarding your GAEWBBH HH-HN1002K Replacement Remote Control and Receiver Set, please contact our customer support team.

Contact Information:

- **Email:** support@gaewbbh.com
- **Website:** www.gaewbbh.com

When contacting support, please have your product model number (HH-HN1002K) and purchase details ready.

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