

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [Hormann](#) /

> [Hormann HET 24 BS 868 MHz Receiver Instruction Manual](#)

Hormann HET 24 BS

Hormann HET 24 BS 868 MHz Receiver

INSTRUCTION MANUAL

Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Hormann HET 24 BS 868 MHz 2-channel receiver. Please read these instructions carefully before beginning any work with the device. Keep this manual for future reference.

Safety Instructions

Warning: Incorrect installation or operation can lead to serious injury or damage to property. Always follow these safety guidelines:

- Installation and electrical connections must only be performed by qualified personnel in accordance with local electrical codes and regulations.
- Ensure the power supply is disconnected before performing any installation, maintenance, or repair work.
- The device operates with 12-24V AC/DC. Verify the correct voltage before connecting.
- Protect the device from moisture, extreme temperatures, and direct sunlight, even though it has an IP44 protection rating.
- Do not modify the device in any way. Unauthorized modifications can void the warranty and create safety hazards.

Product Overview

The Hormann HET 24 BS is a 2-channel universal receiver designed for controlling gate operators, garage door openers, and other automation systems. It operates on the 868 MHz frequency and features two potential-free relays, allowing for versatile integration with various motorization units. The receiver is housed in a separate casing with an IP44 protection rating, making it suitable for protected outdoor installation.



Image: Hormann HET 24 BS 868 MHz Receiver unit. This image shows the compact housing of the receiver, typically used for external mounting near the automation system.

Key Features:

- **Frequency:** 868 MHz
- **Channels:** 2 (two potential-free relays)
- **Operating Voltage:** 12 - 24V AC/DC
- **Function:** Pulse operation
- **Protection Class:** IP44 (splash-proof)

Setup and Installation

The installation of the HET 24 BS receiver involves mounting the unit and connecting it to the power supply and the automation system. Professional installation is highly recommended.

1. Mounting the Receiver

1. Choose a suitable location for mounting the receiver. The IP44 rating allows for protected outdoor installation, but avoid direct exposure to heavy rain or prolonged sunlight.
2. Ensure the mounting surface is stable and secure.
3. Mount the receiver using appropriate screws and fixings. Ensure the antenna is positioned for optimal signal reception.

2. Electrical Connections

Before making any electrical connections, ensure the power supply to the automation system is completely disconnected.

1. Connect the power supply (12-24V AC/DC) to the designated terminals on the receiver. Observe correct polarity if using DC power.
2. Connect the two potential-free relay outputs of the receiver to the control inputs of your automation system (e.g., gate operator, garage door motor). Refer to your automation system's manual for specific input terminals.
3. Ensure all connections are secure and properly insulated.

3. Pairing Transmitters (Remote Controls)

The HET 24 BS receiver needs to be paired with compatible Hormann 868 MHz BiSecur (BS) transmitters. The exact pairing procedure may vary slightly depending on the specific transmitter model. Generally, this

involves:

- Activating a programming mode on the receiver (often via a button on the unit).
- Pressing a button on the transmitter to send the pairing signal.
- Confirming successful pairing (e.g., via an LED indicator on the receiver).

Refer to the specific instructions provided with your Hormann transmitter for detailed pairing steps.

Operating the Receiver

Once installed and paired with a transmitter, the HET 24 BS receiver operates by receiving signals from the transmitter and activating its relays. Each channel corresponds to a specific relay output.

- When a paired button on your transmitter is pressed, it sends an 868 MHz signal to the receiver.
- The receiver processes this signal and momentarily activates the corresponding potential-free relay output.
- This pulse signal then triggers the connected automation system (e.g., opening/closing a gate or garage door).

Maintenance

The Hormann HET 24 BS receiver is designed for low maintenance. However, periodic checks can ensure its longevity and reliable operation:

- **Cleaning:** Periodically clean the exterior of the receiver with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Annually inspect the wiring for any signs of wear, damage, or loose connections. Ensure the housing is intact and free from cracks.
- **Environmental Conditions:** While IP44 rated, ensure the receiver is not constantly exposed to harsh weather conditions that could compromise its seals over time.

Always disconnect power before performing any inspection or cleaning that involves opening the unit.

Troubleshooting

If you experience issues with your HET 24 BS receiver, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Receiver does not respond to transmitter.	<ul style="list-style-type: none">• No power to receiver.• Transmitter battery is low or dead.• Transmitter not paired.• Out of range.• Interference.	<ul style="list-style-type: none">• Check power supply to receiver.• Replace transmitter battery.• Re-pair transmitter (refer to transmitter manual).• Move closer to the receiver.• Check for sources of radio interference.

Problem	Possible Cause	Solution
Automation system does not activate.	<ul style="list-style-type: none"> • Incorrect wiring to automation system. • Faulty automation system input. • Receiver malfunction. 	<ul style="list-style-type: none"> • Verify wiring connections between receiver and automation system. • Test automation system inputs directly if possible. • Contact Hormann support if receiver is suspected to be faulty.
Short reception range.	<ul style="list-style-type: none"> • Antenna obstructed or poorly positioned. • Strong local interference. 	<ul style="list-style-type: none"> • Ensure antenna is clear of obstructions and positioned optimally. • Identify and eliminate sources of interference (e.g., large metal objects, other radio devices).

If problems persist after attempting these solutions, please contact a qualified technician or Hormann customer support.

Specifications

- **Model:** HET 24 BS
- **Manufacturer:** HORMANN
- **Frequency:** 868 MHz
- **Channels:** 2
- **Relay Type:** Potential-free
- **Operating Voltage:** 12 - 24V AC/DC
- **Protection Class:** IP44
- **Function:** Pulse
- **Item Weight:** Approximately 400 grams
- **ASIN:** B01C66413W

Warranty and Support

Specific warranty details for the Hormann HET 24 BS receiver are not provided within this document. For information regarding warranty coverage, terms, and conditions, please refer to the documentation supplied with your purchase or contact your retailer (DOMOCONCEPT) or Hormann directly. For technical support or further assistance, please contact Hormann customer service or a certified Hormann dealer.