

## Hörmann 437485

# Hörmann 2-Channel Receiver 868 MHz (Model 437485) Instruction Manual

For Hörmann gate drives and other compatible systems.

## 1. PRODUCT OVERVIEW

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The Hörmann 2-Channel Receiver operates at 868.3 MHz and is designed for use with Hörmann gate drives and other compatible systems. It comes in a separate housing with a 1-meter connection cable and a Euro plug. The receiver features two potential-free relays for versatile control applications.

### Key Features:

- Compatible with Hörmann drives and controls.
- Constructed from durable grey plastic.



Figure 1: Hörmann 2-Channel Receiver 868 MHz. This image shows the compact design of the receiver unit.

## 2. SETUP AND INSTALLATION

Before installation, ensure the power supply is disconnected. The receiver is designed for easy integration into existing systems. Connect the receiver to your gate drive or control unit according to the wiring diagram provided below. The 1-meter connection cable with Euro plug simplifies power connection.



Figure 2: Internal view of the receiver showing wiring terminals. Connect the control wires to terminals 1 and 2 for the two potential-free relays.

The unit has a protection class of IP 44, meaning it is protected against solid objects larger than 1mm and against splashing water from any direction. For outdoor installations, consider additional protection if exposed to direct heavy rain or submersion.

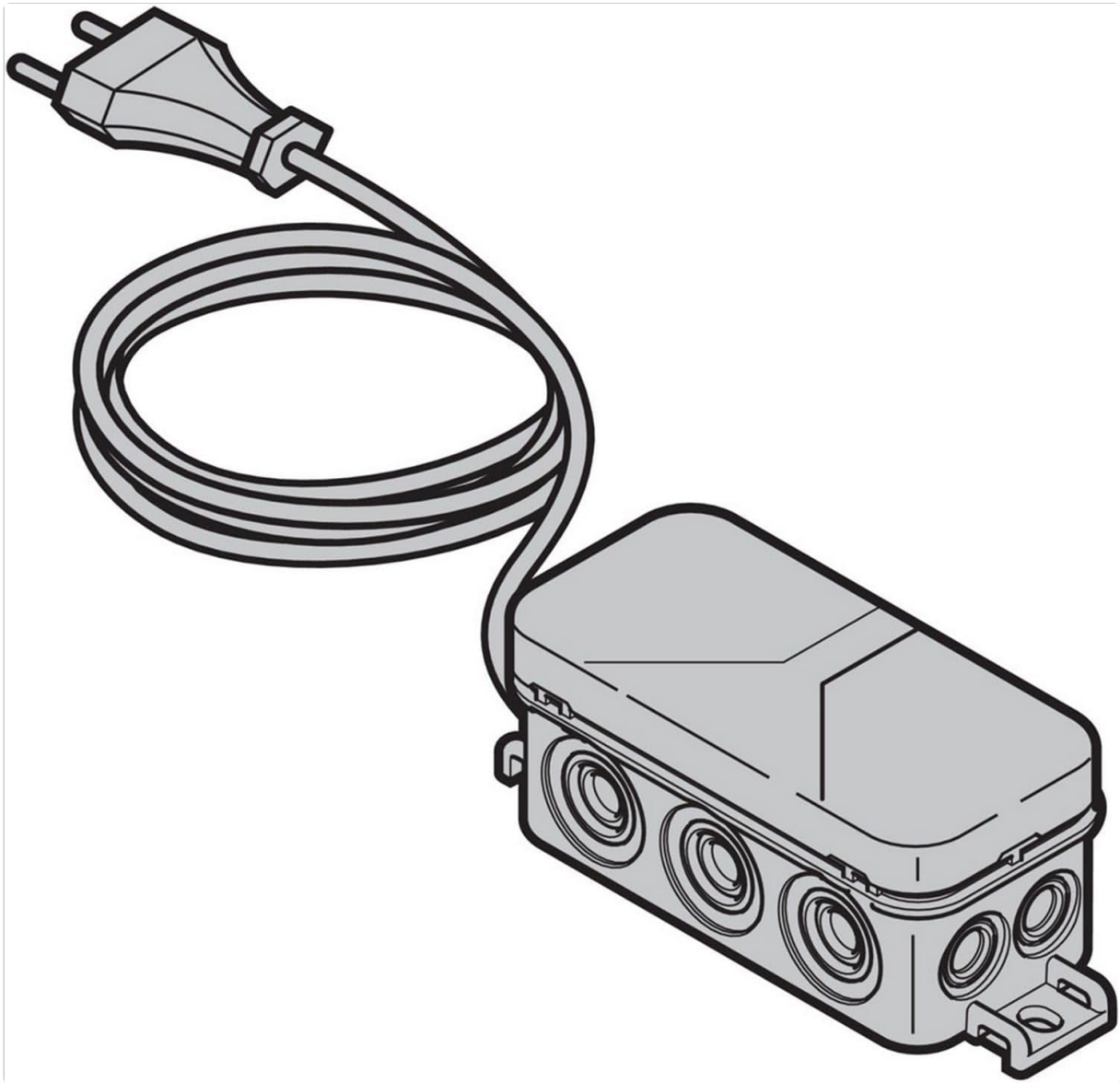


Figure 3: Line drawing illustrating the external housing and connection cable of the Hörmann 2-Channel Receiver. This provides a visual guide for mounting and cable routing.

### 3. OPERATING INSTRUCTIONS

The 2-Channel Receiver operates by receiving signals from compatible Hörmann hand transmitters (remote controls) and activating its potential-free relays. Each relay provides a pulse function of 0.5 seconds, suitable for triggering gate or door operators.

#### 3.1 Pairing a Hand Transmitter

1. Ensure the receiver is powered on.
2. Locate the programming button inside the receiver's housing (refer to Figure 2 for general location).
3. Press the programming button once for Channel 1, or twice for Channel 2. An indicator light on the receiver will illuminate.
4. Within a few seconds, press and hold the desired button on your Hörmann hand transmitter.
5. Continue holding the transmitter button until the indicator light on the receiver turns off. This indicates successful pairing.

**Important Note:** This receiver typically supports only one transmitter per channel. If you attempt to program a second transmitter to the same channel, it may overwrite the first one. To use multiple transmitters, you may need to transfer the code between an already programmed transmitter and a new

one, or consult your specific transmitter's manual for multi-device pairing instructions.

### 3.2 Using the Receiver

Once paired, simply press the corresponding button on your hand transmitter to activate the associated relay on the receiver. The relay will provide a 0.5-second pulse, triggering the connected device (e.g., opening/closing a gate).

#### Related Video: Hörmann Hand Transmitter Overview

Your browser does not support the video tag.

This video provides an overview of a Hörmann hand transmitter, which can be paired with this 2-channel receiver for remote operation of your gate or door system.

## 4. SPECIFICATIONS

Feature	Detail
Brand	Hörmann
Model Number	437485
Frequency	868.3 MHz
Operating Voltage	230–240 V AC
Switching Capacity (Resistive Load)	30 V DC / 2.5 A, 250 V AC / 500 W
Function	Pulse (0.5 s)
Protection Class	IP 44
Material	Plastic
Item Weight	40 Grams
Assembly Required	Yes

## 5. MAINTENANCE

The Hörmann 2-Channel Receiver is designed for low maintenance. Regularly inspect the unit for any visible damage or loose connections. Keep the housing clean and free from dust and debris. Do not open the unit unless you are a qualified technician, as it contains electrical components.

For cleaning, use a soft, dry cloth. Avoid using abrasive cleaners or solvents, which could damage the plastic housing.

## 6. TROUBLESHOOTING

- **Receiver not responding to transmitter:**
  - Check if the receiver is powered on.
  - Ensure the hand transmitter has working batteries.
  - Verify that the transmitter is correctly paired with the receiver (refer to Section 3.1).
  - Confirm that the transmitter is within the operational range of the receiver.
  - Check for any radio interference in the area.

- **Only one transmitter works per channel:**

- This receiver model typically supports only one transmitter per channel. If you need to use multiple transmitters, you may need to program them by transferring the code from an already working transmitter, or consider a different receiver model that supports multiple pairings directly.

- **Intermittent operation:**

- Check all wiring connections for tightness and corrosion.
- Ensure the receiver is not obstructed by large metal objects or other sources of interference.
- Verify the operating voltage is stable and within the specified range (230-240 V AC).

## **7. WARRANTY AND SUPPORT**

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For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Hörmann website. Keep your proof of purchase for warranty claims. If you encounter issues that cannot be resolved using this manual, please contact Hörmann customer service or a certified technician.