

Generic26gcgyauw5-11

# Generic Industrial Crane Hoist Remote Control Kit (24V)

User Manual

## 1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your Generic Industrial Crane Hoist Remote Control Kit. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage or injury. This kit is designed for controlling cranes, conveyors, CNC equipment, coal mining machinery, generator starting, concrete pumps, and grab buckets.



Image 1.1: The remote control kit shown in an industrial environment with a crane.

## 2. SAFETY INFORMATION

Always prioritize safety when operating industrial equipment. Failure to follow safety guidelines can result in serious injury or equipment damage.

- **Power Disconnection:** After each use, ensure the main power supply to the crane or controlled machinery is turned off and disconnected.
- **Environmental Protection:** The remote control system features an IP67 protection grade, making it resistant to spot welding smoke, metal dust, oil stains, acid, water, and drops. However, avoid intentional submersion or exposure to extreme conditions beyond its rating.
- **Battery Safety:** Use only specified AA batteries. Do not mix old and new batteries, or different types of batteries. Dispose of used batteries responsibly.
- **Authorized Personnel:** Only trained and authorized personnel should install, operate, and maintain this equipment.
- **Pre-Operation Check:** Before each operation, verify that all controls function correctly and that there are no obstructions in the operating area.

## 3. PRODUCT OVERVIEW

### 3.1 Components

The Generic Industrial Crane Hoist Remote Control Kit includes the following items:

- 2 x Remote Controls (Transmitters)
- 1 x Receiver Unit
- 2 x Remote Control Protective Covers
- 2 x Fuses
- 1 x User Manual (this document)

### 3.2 Key Features

- **Extended Remote Distance:** Operates effectively up to 300 meters in open environments due to an excellent antenna design.
- **IP67 Protection:** Provides robust protection against dust, water, and various industrial contaminants, ensuring durability in harsh conditions.
- **High Sensitivity & Fast Response:** Achieves a response time as fast as 0.01 seconds for precise control.
- **Status Indicator:** The receiver unit is equipped with an LED light to clearly indicate its working status.
- **Durable Design:** Shockproof, non-slip, dustproof, and waterproof construction enhances stability and work efficiency.



Image 3.1: Overview of the remote control kit components.

## 4. SPECIFICATIONS

Specification	Detail
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Material	Nylon
Remote Control Battery	2 x AA batteries (not included)
Degree of Protection	IP67
Remote Control Frequency Range	VHF: 310-331MHZ; UHF: 425-446MHZ
Remote Control Transmission Power	≤10DBM
Remote Control Security Code	32-bit (4.3 million sets)
Control Distance	Up to 300 meters in an open environment
Receiver Sensitivity	≥110DBM
Receiver Frequency Range	VHF: 310-331MHZ; UHF: 425-446MHZ
Applicable Devices	Cranes, conveyors, CNC equipment, coal mining machinery, generator starting, concrete pumps, grab buckets, etc.
Model Number	Generic26gcgyauw5-11
Power Input	AC24V (50-60HZ)



Image 4.1: Receiver unit with detailed wiring diagram and specifications.

## 5. SETUP AND INSTALLATION

### 5.1 Receiver Installation

The receiver unit must be securely mounted in a suitable location near the machinery it will control. Ensure the location is free from excessive vibration, heat, and direct impact. Refer to the wiring diagram on the receiver unit for correct electrical connections.

- Mounting:** Secure the receiver unit using appropriate fasteners to a stable surface.
- Wiring:** Connect the receiver's wires to the corresponding control circuits of your machinery. Pay close attention to the color-coded wires and their functions as indicated on the receiver's label (e.g., BLACK for POWER, RED for COM, YELLOW for UP, GREEN for DOWN, etc.). Ensure all connections are tight and insulated.
- Power Supply:** Connect the receiver to an AC24V (50-60HZ) power source.
- Antenna Placement:** Position the antenna for optimal signal reception, avoiding metallic obstructions.



Image 5.1: Receiver unit showing wiring for connection.

## 5.2 Remote Control Battery Installation

Each remote control requires two (2) AA batteries (not included).

1. Locate the battery compartment cover on the back of the remote control.
2. Slide or unclip the cover to open the compartment.
3. Insert two AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Replace the battery compartment cover securely.

## 6. OPERATING INSTRUCTIONS

Once the receiver is installed and powered, and batteries are in the remote controls, you can begin operation.

1. **Power On:** Ensure the main power to the controlled machinery is on. The receiver's LED indicator should illuminate, signifying it is powered and ready.
2. **Remote Control Functions:** The remote controls feature directional buttons (UP, DOWN, EAST, WEST,

NORTH, SOUTH) and control buttons (START, STOP).

- Initiate Operation:** Press the 'START' button on the remote control to activate the system.
- Directional Control:** Use the directional buttons to move the crane or machinery as required. The high sensitivity ensures a quick response.
- Stop Operation:** Press the 'STOP' button to halt all operations. In an emergency, this button will immediately cease movement.
- Monitoring:** Observe the receiver's LED light for operational status.

## 7. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your remote control kit.

- Battery Replacement:** Replace remote control batteries when performance degrades or the indicator light (if present on remote) signals low power. Always replace both batteries simultaneously.
- Cleaning:** Due to its IP67 rating, the units can be wiped clean with a damp cloth. Avoid harsh chemicals or abrasive cleaners. Ensure all ports and covers are sealed before cleaning.
- Inspection:** Periodically inspect the receiver's wiring for any signs of wear, damage, or loose connections. Check the remote controls for physical damage.
- Storage:** When not in use for extended periods, remove batteries from the remote controls and store the kit in a cool, dry place.

## 8. TROUBLESHOOTING

If you encounter issues with your remote control kit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Remote control not responding	Dead or low batteries in remote; Receiver not powered; Out of range; Interference.	Replace batteries; Check receiver power supply; Move closer to receiver; Check for strong electromagnetic interference.
Receiver LED not lit	No power to receiver; Faulty wiring; Blown fuse.	Verify power connection (AC24V); Inspect wiring for damage; Check and replace fuse if necessary.
Reduced operating range	Weak remote batteries; Obstructions between remote and receiver; Antenna position.	Replace remote batteries; Ensure clear line of sight; Adjust receiver antenna position.
Intermittent control	Loose wiring connection; External interference; Damaged remote or receiver.	Check all wiring connections; Identify and mitigate sources of interference; Contact support if units are damaged.

If the problem persists after attempting these solutions, please contact customer support for further assistance.

