

## flexman YU-6

# flexman 800MHz Hoist Controller Instruction Manual

Model YU-6 (DC24V)

## INTRODUCTION

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This manual provides detailed instructions for the safe and efficient operation, setup, and maintenance of your flexman 800MHz Hoist Controller, Model YU-6. Designed for industrial applications, this controller offers reliable performance in demanding environments.

## SAFETY INFORMATION

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**Warning:** Always read and understand all safety warnings and instructions before operating this equipment. Failure to follow these instructions may result in serious injury or death.

- Ensure all personnel are clear of the load before operating the hoist.
- Verify the hoist and controller are in good working condition before each use.
- Do not operate the controller if it is damaged or malfunctioning.
- Only qualified personnel should perform installation and maintenance.
- Disconnect power to the hoist before performing any maintenance or installation.
- This controller is designed for specific industrial applications. Do not use it for purposes other than those specified.

## PACKAGE CONTENTS

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

- 1 x Receiver Unit
- 2 x Handheld Controller Units
- 2 x Transparent Protective Bags for Controllers
- 2 x Wiring Harnesses



Image: The complete package contents, showing two handheld controllers, a receiver unit, and associated wiring.

## PRODUCT OVERVIEW AND FEATURES

The flexman 800MHz Hoist Controller (Model YU-6) is engineered for robust performance in challenging industrial environments. Key features include:

- **Stable and Reliable Performance:** Designed to meet stringent industrial stability requirements.
- **Durability:** Rigorously tested for harsh environments, offering anti-fall, waterproof, oil-resistant, and acid-resistant properties.
- **Wide Application:** Suitable for cranes, conveyors, coal mining equipment, concrete pumps, and other mechanical systems.
- **Advanced Transmission:** Utilizes an 800MHz transmission frequency for good anti-interference ability, ensuring consistent control.



800MHz transmission frequency  
Good anti-interference ability

Image: The hoist controller and receiver unit shown against an industrial crane, highlighting its stable and reliable performance in industrial settings.

## SPECIFICATIONS

Feature	Detail
Item Type	Hoist Controller

Feature	Detail
Product Model	YU-6
Voltage (Current Product)	DC24V
RF Frequency	800MHz
Controller Type	Button Control
Special Features	Anti-fall, Waterproof, Acid Resistant, Oil Resistant
Max Supported Devices	1 (Receiver paired with 2 controllers)
Package Dimensions	11.02 x 7.09 x 5.51 inches
Item Weight	3.26 pounds
Manufacturer	flexman

## SETUP

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Proper installation of the receiver unit is crucial for safe and reliable operation. Consult a qualified electrician for installation if you are unsure.

- 1. Mount the Receiver:** Select a secure, dry location near the hoist or machinery that is protected from excessive vibration and physical damage. Ensure the receiver's antenna has a clear line of sight to the operating area.
- 2. Wiring Connection:**
  - Ensure the main power to the hoist/machinery is disconnected and locked out before wiring.
  - Connect the receiver's wiring harness to the hoist's control circuit according to the wiring diagram provided with your hoist system. The receiver's wires are color-coded for specific functions (e.g., UP, DOWN, EAST, WEST, START, STOP, Power).
  - Verify all connections are secure and properly insulated.
- 3. Power On:** Once wiring is complete and verified, restore power to the hoist/machinery. The receiver's power indicator light should illuminate.
- 4. Controller Pairing (if necessary):** The controllers are typically pre-paired with the receiver. If pairing is required, refer to the specific pairing instructions provided with your unit or contact flexman support.



Image: The receiver unit displaying its wiring harness, which connects to the hoist's control system.

## OPERATING INSTRUCTIONS

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Familiarize yourself with the controller's buttons before operating the hoist.



Image: A close-up view of the handheld controller, detailing the layout and function of its control buttons.

1. **Power On Controller:** Press the **START** button to activate the controller.

2. **Movement Controls:**

- **UP / DOWN:** Controls vertical movement of the hoist.
- **EAST / WEST:** Controls horizontal movement along one axis.
- **SOUTH / NORTH:** Controls horizontal movement along the perpendicular axis.

3. **Emergency Stop:** In case of an emergency or unexpected movement, immediately press the large **STOP** button. This will cut power to the hoist's control circuit.
4. **Normal Stop:** Release any directional button to stop movement.
5. **Power Off Controller:** After use, press the **STOP** button to deactivate the controller.

Always maintain a clear view of the load and the operating area. Operate the hoist smoothly and avoid sudden movements.

## MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your hoist controller.

- **Cleaning:** Wipe the controller and receiver with a damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the transparent protective bag is clean and free of damage.
- **Inspection:** Periodically inspect the controller and receiver for any signs of damage, such as cracks in the casing, frayed wires, or loose connections. Check buttons for proper function and responsiveness.
- **Battery Replacement (if applicable):** If the handheld controller uses replaceable batteries (not specified in product details, assume internal rechargeable or long-life if not mentioned), refer to specific instructions for replacement.
- **Environmental Protection:** Despite being waterproof and oil-resistant, avoid prolonged exposure to extreme conditions, direct sunlight, or corrosive substances to maximize lifespan.

## TROUBLESHOOTING

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If you encounter issues with your hoist controller, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Controller does not power on.	Low or dead battery (if applicable); internal fault.	Replace batteries (if applicable). If issue persists, contact support.
Hoist does not respond to controller.	Receiver not powered; incorrect wiring; out of range; interference; controller not paired.	Check receiver power and wiring. Ensure controller is within operating range. Check for strong interference sources. Re-pair controller if necessary.
Intermittent control or erratic movement.	Signal interference; low controller battery; damaged antenna.	Move away from potential interference sources. Replace controller batteries. Inspect receiver antenna for damage.
Buttons are unresponsive or stuck.	Debris under button; physical damage.	Clean around buttons. If physically damaged, discontinue use and contact support.

If troubleshooting steps do not resolve the issue, contact flexman customer support for further assistance.

