

Radio Remote Control Buying Guide

How to use HoistAndCraneRemotes.com

Browse Products

If you click on the browse products link in the left navigation of our site, you will see a variety of ways to browse HoistAndCraneRemotes.com. Each of these options shows our products organized differently, so that you may browse in whichever way is most convenient and helpful for you.

Search

If you are looking for a specific model number or want to find specific radios, the search box at the top of the page is your best option. The dropdown menu next to the search box allows you to search specific sections of HoistAndCraneRemotes.com. To use the search box, type in the keywords for your search criteria, and then click Go. For example, type "Flex EX" or "Magnetek 3 Motion" or "5 motion".

Handheld/Belly Box

Handheld radios are typically more compact and have pushbutton controls. They may have wrist straps or retractable belt clips as accessories. HoistandCraneRemotes.com suggests that a protective rubber boot be purchased for all handheld radios to ensure a prolonged lifespan.

Belly box Radios are larger control units that can be customized with buttons, levers, joysticks and auxiliary switches. They can come with either a waist-belt strap or a shoulder strap.

Pushbutton/ Lever/ Joysticks

Pushbuttons are one directional controls that can control from 1-3 speeds. Pushbuttons are the simplest controls. Levers are two directional controls that can have up to five speeds or step less control. Levers increase the operators ability precisely use proportional control. Joysticks offer precise control of 4 directions. Non-gated joysticks have full range of motion. Gated Joysticks are restricted to a single direction at any given time. Joysticks will offer the most precise motion, and are the best controls for maneuvering and positioning.

Please feel free to contact us with any questions or comments:

E-mail: info@hoistandcraneremotes.com

Phone: 866-755-0816

Radio Remote Control Buying Guide

Auxiliary Functions

There are a wide variety of auxiliary functions available. Any motion or function that you desire to operate with a toggle switch or pushbutton can be configured as an auxiliary function. Some Examples are horn, lights, extra brake, magnet, vacuum, and rotate.

OSHA Requirements

In most states, OSHA requires an audible horn or signaling device shall be provided within the reach of the operator. Please see the "Warning Device Requirements" document located under the resources tab of HoistAndCraneRemotes.com.

Applications

Radio remote controls are becoming more common in many industrial applications. These applications include material handling, cranes and hoists, agriculture, grain elevators, aggregates, conveyors, automation, assembly lines, railroad, mining, ship loading, recycling, waste management, military, entertainment, and rides. HoistandCraneRemotes.com has experts to help customize a radio for your specific needs. Please contact us to find out more.

Tandem and A/B Select

Some remotes have a function to select **A, B, or Both**. This means that the remote can control more than one trolley or hoist individually or at the same time.

Tandem controls are for a remote that is operating two cranes simultaneously.

Control Switch

A control switch is an extra accessory that allows different control methods. For example, both a wired pendant and a radio remote could be connected to a control switch. The switch will designate which controls are active.

Range

Most HoistandCraneRemotes.com radio remote controls have a range of 300 ft. Longer ranges are available at different frequencies. Please contact us if long range radios are required.

Please feel free to contact us with any questions or comments:

E-mail: info@hoistandcraneremotes.com

Phone: 866-755-0816

Radio Remote Control Buying Guide

Electrical and Wiring

HoistAndCraneRemotes.com suggests that an electrician connects the radio remote system to the application. This will ensure correct functionality of your system. Wiring diagrams can be provided for all of the radio remote controls that we offer.

Durability

Durability is measured by IP and NEMA ratings. Please see the different ratings described below:

- **NEMA 4** - protects personnel from hazardous parts; prevents ingress of solid foreign objects (dirt and dust) and water; protects from external formation of ice on the enclosure.
- **NEMA 4X** - provides an additional level of protection against corrosion
- **IP 65** - No ingress of dust; complete protection against contact; Protected from water jets
- **IP 66** - No ingress of dust; complete protection against contact; Protected from powerful water jets

Control Voltage vs. Supply Voltage

Most of the radio kits HoistAndCraneRemotes.com offers have 115 V Control Voltage as standard. Other control voltages are available if requested. Our remotes are compatible with almost all supply voltages. Please specify the supply voltage when purchasing.

Frequency

All HoistAndCraneRemotes.com radios have multiple channels to select the frequency with least interference. When using multiple radio systems, it is very important to use distinct frequencies for all applications. In environments where a lot of radios are to be used, frequency mapping will ensure safe and proper operation of all systems. Please see the "Frequency Mapping" document located under the resources tab of HoistAndCraneRemotes.com for more information. Contact us for help with complicated radio environments.

Part 15 – These are radios that do not require special FCC permission to operate. All radios that we offer are part 15 standard.

Please feel free to contact us with any questions or comments:

E-mail: info@hoistandcraneremotes.com

Phone: 866-755-0816

Radio Remote Control Buying Guide

Part 90 – Some of our radios can be upgraded to part 90. This increases the power and range of the radio system. Part 90 requires an FCC permit to operate specific to the frequency and the geographic region of the radio remote control.

Number of Units

It is important to know how many different radio units will be operating for your application. If there are already radio systems in your environment, please notify HoistAndCraneRemotes.com of the job number and operating frequency. This will ensure that there is no interference between radio systems.

Programing

Some remotes offer customizable programing. This is computer software that helps the user program the radio for their exact motion and auxiliary requirements. This also allows easy set up for spare and replacement transmitters. Copy modules are devices that plug into a receiver to download the information, and then are plugged into a transmitter to re-program it to control the corresponding receiver. Some radios are equipped with password locked search functions. These transmitters can find the nearest receiver and program themselves. This prevents the hassles of physically connecting with a receiver.

Please feel free to contact us with any questions or comments:

E-mail: info@hoistandcraneremotes.com

Phone: 866-755-0816