



SOLUTIONS
radiocrane



**secure solutions
for radio control**
of industrial lifting
and handling machinery



ERGONOMIC

Very special care has been taken in the design and ergonomics of our solutions to ensure rugged products providing maximum comfort in use day after day.

Jay's remote control buttons provide optimum touch sensitivity and are sized to allow the operator to easily use the radio remote control even when wearing gloves.

The buttons are laid out to prevent the operator from mistakenly pressing two buttons at the same time.



EASY TO MAINTAIN

By the modular architecture of our systems, maintenance is facilitated to allow reduced-cost repairs.

To ensure fast diagnostics and preventive maintenance on the radio control system, fault isolation is achieved easily and efficiently by an indication on the display or by connecting to a PC computer on which maintenance software has been installed (supplied with order).

The simple, secure match-up between the operator module and the transceiver makes it easy and fast to replace one of the two components in the event of a failure.

RUGGED

Designed to work under the toughest conditions, our products are built and sized to be extra-rugged. Specially designed seals and protective foams ensure the highest level of strength and tightness.



A new generation of radio control solutions for industrial lifting and handling machinery.



Due to the wide range of areas in which radio remote controls are used, your radio remote control needs to be perfectly suited to your needs. With our new product line, our solutions have been thought out to meet your requirements, with options and variants dedicated to your activity.

SCREEN

As a standard feature on our Radiocrane solutions, the backlit, anti-reflection, shock-proof, scratch-proof screen displays :

- the battery charge level
- the behaviour of the radio link
- the name of the equipment remote-controlled
- feedback from the equipment controlled and operating alarms (weight of load, overload, limit switches)
- fault diagnostics



Sophisticated, intuitive and guided navigation with menus allowing you to :

- configure the application
- integrate a large number of functions
- monitor a specific part of the equipment.

Customisable

Each product comes with a software to allow you to customize the display, logos and pictograms which appear on the screen.

SOLUTIONS radiocrane

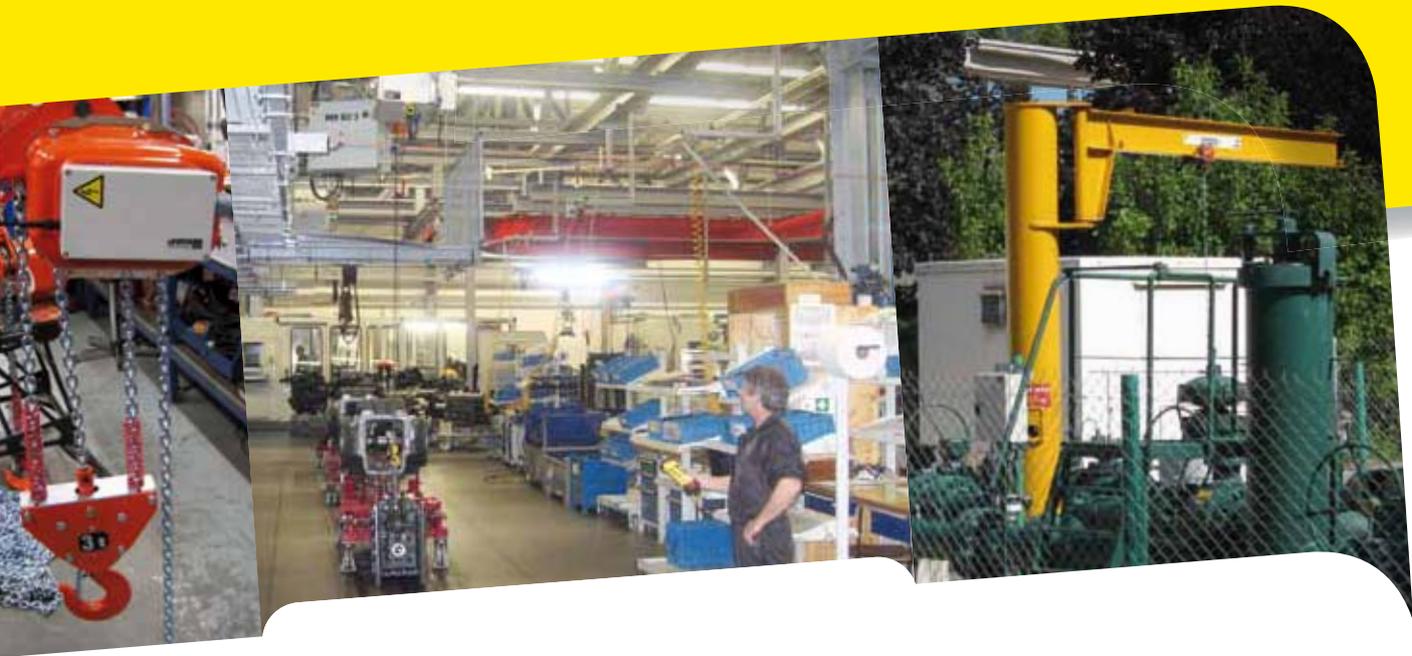
SAFETY

Safety is at the heart of our concept. Our RadioCrane product line is certified "SIL 3" per EN 61508 and "PLe" per EN 13849 representing the highest level of safety.

Different options are available to enhance the safety of those applications requiring it (infrared startup, action zone limitation, validation buttons, use in ATEX area, function buttons SIL2 according to EN61508 and PLd according to EN13849).

Access to the radio remote control and certain functions can be limited to authorised operators by password (PIN codes).





radiocrane HOIST, MONORAIL, JIB CRANE, WINCH

Your operational needs

- 1 or 2 axis lifting system with one or two speeds per movement.

Solutions



Functions and options

- Compact receiver for optimum integration in equipment in just a few seconds. - Infrared startup.



- Transmitter charging and storage support

radiocrane OVERHEAD CONVEYOR

Your operational needs

- Control of moving loads attached to carriers between different operator workstations.

Solutions



Functions and options

- Flexible match-up between operator and desired carrier. - Special bi-manual button for release of carrier



- Simple, error-free selection of carrier to ensure handling up to workstation.

radiocrane

STANDARD OVERHEAD TRAVELLING CRANE

Your operational needs

- Lifting system with 1 or 2 speeds per movement, with 3 axes.

Solutions



Functions and options

- **2-receiver variant** : supply of 2 Transceivers, one to manage crane translation and the other to manage direction and lifting of hoist, thus eliminating the need for a number of cable bundles on the crane.
- Industrial connector on cable linked to receiver for easy connection to machine in just a few seconds.
- Infrared startup.
- Built-in horn on transceiver.
- Black box for monitoring use of travelling crane for manufacturer's warranty and preventive maintenance purposes.
- Information feedback relative to condition of crane (malfunctions).



- High remote control availability makes it possible for several teams to work
- Two battery charging possibilities.
- Charging and storage support for operator module

radiocrane

STANDARD OVERHEAD TRAVELLING CRANE / SEVERE AND/OR INTENSIVE USE

Your operational needs

- Lifting system with 1 or 2 speeds per movement, with 3 axes.

Solutions



Functions and options

- **2-receiver variant** : supply of 2 Transceivers, one to manage crane translation and the other to manage direction and lifting of hoist, thus eliminating the need for a number of cable bundles on the crane.
- Two battery charging possibilities.
- Industrial connector on cable linked to receiver on request for easy connection to machine in just a few seconds.
- Built-in horn on transceiver.
- Black box for monitoring use of travelling crane for manufacturer warranty and preventive maintenance purposes.
- Information feedback on condition of crane (malfunctions).
- Infrared startup.
- **Indication of weight and warning relative to overshoot of load limit.**



- Extra-rugged, designed to work in difficult environments such as concrete, fine dust, greases and acids.
- Rubber-reinforced remote control for extra strength against impacts.
- Contactless buttons with optimum touch sensitivity of two speed controls, even when wearing gloves.
- Control layout designed for error-free use





radiocrane

SPECIAL OVERHEAD TRAVELLING CRANES

Your operational needs

- Heavy lifting system with 1 or 2 speeds per movement, with 3 axes.
- Specific handling tools.

Solutions



Functions and options

- Extra-rugged, designed to work in difficult environments such as concrete, fine dust, greases and acids.
- Rubber-reinforced remote control for extra strength against impacts.
- **Contactless buttons with optimum touch sensitivity of two positions, even when wearing gloves.**
- Built-in horn on transceiver.
- Black box for monitoring use of travelling crane for manufacturer warranty and preventive maintenance purposes.
- Information feedback on condition of crane (malfunctions).
- Infrared startup.
- Indication of weight and warning relative to overshoot of load limit.
- Control layout designed for error-free use.
- **Optional special connection to crane by bus.**
- **Commands conditioned in accordance with crane limit switches.**



- **Specifically adapted to your configuration and the ergonomics required by the application**
- **Precision control of all specific handling tools by screen menu, 3-position selector switches and joysticks.**

radiocrane

MASTER/MASTER, MASTER/SLAVE, TANDEM, PITCH & CATCH CRANES

Your operational needs

- **Master/Slave crane** : lifting system using two cranes with two transmitters or two cranes with one transmitter, securing access to selected cranes.
- **Tandem crane** : lifting system using several travelling cranes to lift a load using a single transmitter
- **Pitch & Catch crane** : lifting system shared between two users, using two transmitters inhibited against simultaneous control of the crane.

Solutions



Functions and options

- Built-in horn on transceiver.
- Black box for monitoring use of travelling crane for manufacturer warranty and preventive maintenance purposes.
- Information feedback on condition of crane (malfunctions).
- Infrared startup.
- Indication of weight and warning relative to overshoot of load limit.
- Control layout designed for error-free use.
- Commands conditioned in accordance with crane limit switches.



- **In coupled or shared mode, safety is enhanced to monitor access to cranes.**
- **Simple, error-free control of desired crane**
- **Both receivers are shut down simultaneously when any receiver malfunction is detected.**
- **Crane release button to secure access to crane.**

radiocrane

SAFETY OVERHEAD TRAVELLING CRANE

Your operational needs

- Lifting system with 1 or 2 speeds per movement and 3 axes working in an environment which is hazardous to the operators.



Solutions



Functions and options

- Contactless buttons with optimum touch sensitivity in both control positions, even when wearing gloves.
- Precise, safe control of crane using screen menus, multi-position selector switches and joysticks.
- Optional industrial connector on receiver.
- Black box for monitoring use of travelling crane for manufacturer warranty and preventive maintenance purposes.
- Information feedback on condition of crane (malfunctions).
- Infrared startup.
- Information feedback and display, with indication of weight and warning relative to overshoot of load limit.
- Control layout designed for error-free use.

- Function buttons certified SIL 2 per EN 61508 and PLd per EN 13849
- Radio remote control integrates enhanced safety functions specific to your application.
- Version with possibility for use in ATEX area.
- Commands conditioned in accordance with crane limit switches.
- Operator work area is limited
- Validation buttons.
- Secure, intentional-action joysticks

radiocrane

AUTOMATED OVERHEAD TRAVELLING CRANE

Your operational needs

- Automatically-managed lifting system.



Solutions



Functions and options

- Radio communication between controller and crane in automatic mode.
- Recovery of crane control in manual mode using a radio transmitter.
- Detection of transmitter on charger making it possible to manage two modes to prevent co-activity.
- Black box for monitoring use of travelling crane for manufacturer warranty and preventive maintenance purposes.
- Bus interface on transceiver for optimised connection to equipment.

- Operator can safely take manual control of crane when necessary.





NO MATTER WHEN WE ARE HERE TO LISTEN TO YOUR NEEDS

- Our sales team will work with you to understand your operational requirements.
- Our technical team will work with you to coordinate your project up to commissioning.
- Our intervention team will maintain and repair your equipment on site.
- Hot-line for urgent troubleshooting.



INTERNATIONAL FOOTPRINT

For more than 20 years, JAY Electronique has been active world-wide through its network of local partners.



radiocrane
INDUSTRIAL
LIFTING
& HANDLING



radiogreen
WASTE
PROCESSING
EQUIPMENT



radiodrive
INDUSTRIAL
EQUIPMENT



radiobuild
PUBLIC WORKS
AND QUARRY
EQUIPMENT



radiosafe
INDUSTRIAL
EQUIPMENT



radiofarm
FARMING AND FOREST
MANAGEMENT
EQUIPMENT



radiolift
MAN LIFTING
& TRANSPORT
EQUIPMENT



radiomotion
INFRASTRUCTURE
EQUIPMENT

JAY 
électronique

ELEKTRO-TRADING sp z o.o.

mail: info@elektro-trading.com.pl
tel.: +48 (32) 330 45 70
fax.: +48 (32) 330 45 74

The products shown in this document are subject to change. The description, photos and characteristics are not contractually binding. RadioCrane, RadioDrive, RadioSafe, RadioLift, RadioGreen, RadioBuild, RadioFarm, RadioMotion are trademarks of JAY Electronique France.

M-100-EN-A