



SOLUTIONS

radiomotion



**secure solutions
for radio control
of infrastructure
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 infrastructure 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 RadioMotion solutions, the backlit, anti-reflection, shock-proof, scratch-proof screen displays :

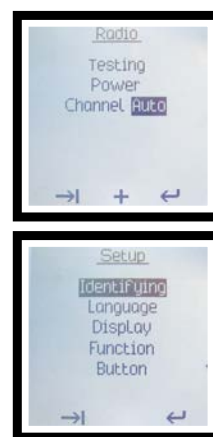
- the battery charge level
- the behaviour of the radio link
- the name of the equipment remote-controlled
- feedback from the equipment controlled and operating alarms (weight, overload, fill level, brakes test)
- fault diagnostics

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.



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SAFETY

Safety is at the heart of our concept. Our RadioMotion 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 (startup by IR validation, IR-secured control, intentional-action secure joysticks, ATEX versions).

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



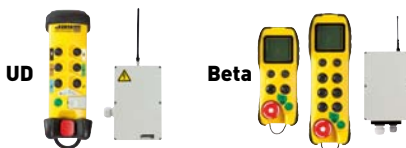


radiomotion WATERWAY BRIDGE

Your operational needs

- Control opening and closure of bridge, and various components of the installation in the event of a malfunction of the automatic control system, and during maintenance interventions

Solutions



Functions and options

- Management of automatic/manual modes by detection of transmitter on charger - Anti-condensation pellet



- Easy, safe to use by a single person under good visibility conditions
- Allows fast intervention
- Highly resistant to humidity.

radiomotion WATERWAY LOCK

Your operational needs

- Control opening and closure of bridge, and various components of the installation in the event of a malfunction of the automatic control system, and during maintenance interventions

Solutions



Functions and options

- Anti-condensation pellet



- Identifies boat approaching lock.
- Highly resistant to humidity.

* for functions not having safety requirements

radiomotion HYDRO-ELECTRIC DAM

Your operational needs

- Regulate the water level, by selecting and controlling opening and closure of valves from a catwalk

Solutions



Functions and options

- Startup by IR validation to prevent a command from the bank
- Anti-condensation pellet



- Easy, safe to use by a single person under good visibility conditions
- Allows fast intervention
- Highly resistant to humidity

radiomotion PORT CRANE OR CONVEYOR BELT, AND SHIP HANDLING EQUIPMENT

Your operational needs

- Control a crane or conveyor at a ship loading/unloading port.
- Control handling on a ship

Solutions



Functions and options

- Information feedback on status of equipment (weight, overload...)
- Built-in horn in receiver
- Black box for monitoring use of crane for manufacturer's warranty and preventive maintenance purposes.
- Anti-condensation pellet
- Intentional action secure joysticks



- Extra-rugged (resistant to impacts, weather)
- Highly resistant to humidity.
- High movement precision
- Radio control availability
- ATEX version for transfer of bulk products





radiomotion GAS AND OIL LOADING ARM

Your operational needs

- Control deployment of arms for loading/unloading of inflammable liquids

Solutions



Functions and options

- Information feedback on status of equipment (fill level ...)
- Anti-condensation pellet to enhance resistance to humidity.
- Optional transceiver communication by bus



- ATEX models : Maximum safety with respect to inflammation hazards
- Extra-rugged (resistant to impacts, weather)
- High movement precision

radiomotion AIRPORT EQUIPMENT : AIRCRAFT PUSHERS, AIRCRAFT CLEANING AND DE-ICING EQUIPMENT

Your operational needs

- Manual control of aircraft pushers used to take aircraft out of parking area
- Control of aircraft toilet draining system
- Control of aircraft de-icing system

Solutions



Functions and options

- Information feedback on status of equipment (fill level...)
- Anti-condensation pellet for enhanced resistance to humidity.



- Extra-rugged (resistant to impacts, weather)



radiomotion TRAFFIC LIGHT AND AREA LIGHTING

Your operational needs

- Switch on/off lighting in a defined area.
- Activate / deactivate traffic lights in a defined area

Solutions



Functions and options

- Protective cover
- Mounting support for transmitter
- Easy, flexible programming of lights controlled by association of traffic lights or area lighting to a radio remote control which is easy to implement

* for functions not having safety requirements



- Radio system flexibility
- Up to 16 function buttons
- Compact and ultra-light

radiomotion LIGHTING AND HANDLING OF STAGE SETS

Your operational needs

- Control equipment required to install/move/dismantle stage sets, lighting assemblies, stage curtains.

Solutions



Functions and options

- IR-secured control of equipment handled



- Optimised machinery handling
- LCD display and navigation menu for selection of stage set elements handled.
- PIN code identification for secure access to equipment by a qualified employee
- Compact and ergonomic
- Easy to use

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MONITORING OF AMUSEMENT PARK RIDES

Your operational needs

- Monitoring and control of shutdown of an amusement park ride in the event of danger



Solutions



Functions and options

- On/Off control of amusement park ride from a location near to the ride.
- Possibility for immediate shutdown in the event of a user fall

* for functions not having safety requirements

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TELESCOPIC GRANDSTANDS

Your operational needs

- Control storage and deployment of a grandstand or a portion of a grandstand.



Solutions



Functions and options

- IR-secured control of equipment handled

- LCD display and navigation menu for selection of grandstands.
- PIN code identification for secure access to equipment by a qualified employee.
- Compact and ergonomic
- Easy to use

* for functions not having safety requirements



radiomotion RAILWAY EQUIPMENT : ROAD SWITCHES

Your operational needs

- Remote-control of movement of a freight locomotive used for switching of wagons in a yard.
- The radio remote control is used to move and hook up the wagons to the locomotive, and for braking purposes.



Solutions



Functions and options

- Intentional action secure joysticks
- Anti-condensation pellet for enhanced resistance to humidity.
- Information feedback on status of safety components (brakes test...)
- Safety keyswitch instead of PIN code
- Deadman detection
- BUS interface for fast connection to locomotive

- PIN identification for secure access to equipment by a qualified employee.
- High movement precision.
- Extra-rugged (resistant to impacts, weather)

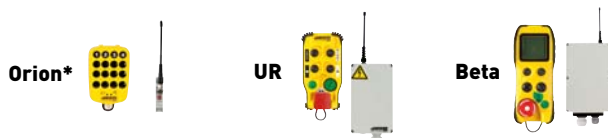
radiomotion INDUSTRIAL DOOR

Your operational needs

- Control opening and closure of one or several industrial doors by one or several operators on a lift truck or using a walkie lift truck.



Solutions



Functions and options

- Easy, flexible programming of doors controlled by association of doors to a radio remote control which is easy to implement.
- IR-secured selection of door controlled

- Radio system flexibility.
- Can control up to 30 doors
- Compact and ultra-light

* for functions not having safety requirements





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



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MANAGEMENT
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