



SOLUTIONS
radiobuild



secure solutions for radio control of machinery used in the construction, public works, quarry and mining industries



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 machinery used in the construction, public works, quarry and mining industries.



TRANSMITTER
RECEIVER
DIALOGUE



UNLOCK
CODE



USER
SAFETY



SHOCK PROOF



WATER TIGHT



2
WARRANTY
YEAR



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 Radiobuild 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, distance, degree of inclination, filling level, overload)
- 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 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 (validation buttons, use in ATEX area, "dead man" detection and isolated worker alarm system).

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





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TOWER CRANE AND SELF ERECTING CRANE

Your operational needs

- Crane movement control (trolley, hook, rotation, translation, brake, tower disengage under wind conditions) and crane folding/unfolding when your crane is equipped with this function.

Solutions



Functions and options

- LCD display for information feedback (wind speed, load, capacity, range, height, functional status ...)
- Automatic adjustment of frequency channels
- Anti-condensation pellet
- Removable battery
- Protection against theft by quick disassembly of receiver (magnetic studs, industrial connector)
- Backup solution (wire-type or second transmitter)
- Optional BUS interface



- Easy to use
- Sophisticated radio link
- Extra-rugged (resistant to impacts, dust and weather)

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MOBILE CRANE AND CRAWLER CRANE

Your operational needs

- Control of crane lifting movements (telescopic arm and hoist/hook) for work requiring better visibility and precision.

Solutions



Functions and options

- LCD display for information feedback (wind speed, overload, maximum offset, functional status) and choice of operating mode
- Anti-condensation pellet
- Joysticks with movement validation
- Monitoring of ambient air temperature to improve battery service life
- Wire-type backup solution
- BUS interface on receiver



- High movement precision
- Ergonomic controls
- High level of safety
- Adapts to radio environment
- Charging support with "operator module forgotten" detection

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SELF-DRIVEN PUMP, BELT, CONCRETE MIXER

Your operational needs

- Control of arm extension and operation of concrete pump (rate, On/Off).
- Remote control of concrete mixers (loading of materials, start/end of cycle, rate, +/- water)



- Extra-rugged (resistant to impacts, concrete corrosion, weather)
- Extensive transmit range
- Adapts to radio environment
- Charging support with "operator module forgotten" detection

Solutions



Functions and options

- Anti-condensation pellet
- Monitoring of ambient temperature to improve battery service life
- Optional BUS interface on receiver

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TELESCOPIC FORK LIFT

Your operational needs

- Control of telescopic arm (lifting and extension) and of fork lift tool (hoist, jib crane/fork or man-lift)



- High movement precision
- Ergonomic controls
- Adapts to radio environment
- Secure management of man-lift movements

Solutions



Functions and options

- Transmitter adapts quickly to type of accessory used
- Anti-condensation pellet
- LCD display for information feedback (overload alarms, diesel fuel)
- Joysticks with movement validation
- Removable battery
- Charging support for man lift with transmitter detection
- Monitoring of ambient temperature to improve battery service life
- Industrial connector for fast connection





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CRUSHER AND MATERIALS SIFTER

Your operational needs

- Control of movement of main functions of mobile crushers / sifters, motor speed, startup, jamming, unjamming, belt, unfolding)
- Portable emergency stop button for fixed crushers / sifters



Solutions



- Extra-rugged (resistant to impacts, dusts, weather)
- Optimum radio link performance (range and signal reliability)

Functions and options

- LCD display for error-free indication of working mode and function selected
- Monitoring of ambient temperature to improve battery service life
- Anti-condensation pellet
- Information feedback

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TRANSPORT AND STORAGE OF MATERIALS (CONVEYOR BELT, HOPPER)

Your operational needs

- Control of conveyor belts in manual mode for maintenance or adjustment procedures
- Remote control of hopper opening/closing at material storage silos (for example, from a truck)



Solutions



- Flexible match-up between operator and desired equipment
- Optimum radiolink performance (range and reliability)
- Extra-rugged design (resistant to dust, rocks, weather)
- "Deadman" detection and isolated worker alarm system

Functions and options

- Detection of absence of transmitter on charger (interlocks with automatic startup command)
- Monitoring of ambient temperature to improve battery service life
- "Deadman" detection and isolated worker safety system
- Optional BUS interface on receiver

* for functions not having safety requirements

radiobuild SUCTION MACHINE AND EARTHMOVER

Your operational needs

- Control of jib crane, main functions of machine (water and vacuum pumps) and tilt-over of tank for emptying.

Solutions

Pika



Functions and options

- Anti-condensation pellet
- Removable battery
- Joysticks with movement validation
- Industrial connector for quick connection
- Wire-type backup solution
- Optional BUS interface on receiver



- Compact and easy to use
- Extra-rugged (resistant to dust and mud, impacts, weather)
- Adapts to radio environment

radiobuild DRILLING, PERFORATION AND SLICING MACHINERY

Your operational needs

- Control of movement and monitoring of various machine components (mast, digger rotation, motors) for core sampling, consolidation of foundations, and other earth perforation operations.

Solutions

Gama



Moka



Functions and options

- LCD display for information feedback (drilling speed, depth, alarms...)
- Anti-condensation pellet
- Removable battery
- Joysticks with movement validation
- Wire-type backup solution
- Toggles for additional functions
- Industrial connector for quick connection
- Optional BUS interface on receiver



- Numerous functions
- Extra-rugged (resistant to impacts, weather, mud)
- Adapts to radio environment





radiobuild DEMOLITION MACHINE / ROBOT

Your operational needs

- Remote-control of all functions of demolition machine or robot (movement, tip and boom, claw or bucket equipment).

Solutions



Functions and options

- Anti-condensation pellet
- Removable battery
- Joysticks with movement validation
- Industrial connector for quick connection
- Wire-type backup solution
- Optional BUS interface on receiver

- +**
- Good visibility, easy to handle, keeps operator safely away from hazard area
 - Optimum radiolink performance
 - Extra-rugged (resistant to impacts, weather and dust)
 - Adapts to radio environment
 - "Deadman" detection and isolated worker system

radiobuild ROAD ASPHALTING AND MAINTENANCE MACHINE

Your operational needs

- Control of direct spreading from road, avoiding the need to run cables along the length of the truck chassis.

Solutions



Functions and options

- 2 to 16 buttons to cover maximum number of functions
- Protective cover

- +**
- Compact and easy to use
 - Spreading controlled within operator view
 - Keeps operator safely away from hazard area

* for functions not having safety requirements

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FREIGHT ELEVATOR

Your operational needs

- Control of up and down movements of materials on elevator running along building side.



Solutions

Orion*



UR



- Compact and easy to use
- Extended radio range (UR)

Functions and options

- Up to 4 function buttons for additional controls
- Compact receiver allows quick, easy installation
- Protective cover

* for functions not having safety requirements

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ELECTRIC POWER GENERATOR AND COMPRESSOR

Your operational needs

- Remote control of On/Off function of electric power generator or compressor



Solutions

Orion*



- Compact and easy to use

Functions and options

- Up to 4 function buttons for additional functions
- Compact receiver for quick, easy installation
- Protective cover

* 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



radiofarm
FARMING AND FOREST
MANAGEMENT
EQUIPMENT



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MAN LIFTING
& TRANSPORT
EQUIPMENT



radiomotion
INFRASTRUCTURE
EQUIPMENT

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