



SOLUTIONS  
**radi**  **farm**



**secure solutions  
for radio control**  
of farm and forestry  
equipment



## 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 farm and forestry equipment



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 Radiofarm solutions,** the backlit, anti-reflection, shock-proof, scratch-proof screen displays :

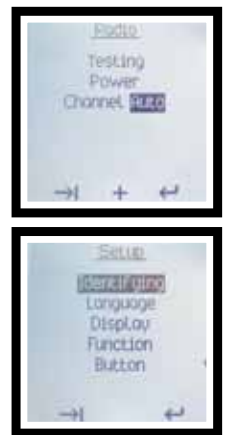
- the battery charge level
- the behaviour of the radio link
- the name of the equipment remote-controlled
- feedback from the equipment controlled and operating alarms (load weight, overload, fill rate)
- fault diagnostics

**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 radi farm

## 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, « deadman » 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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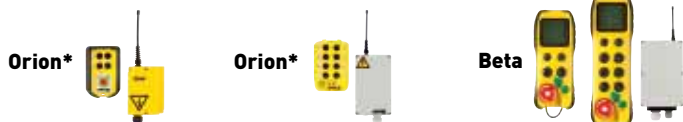
**FOOD STORAGE AND TRANSPORT EQUIPMENT  
(CONVEYOR, HOPPER, SILO)**

**Your operational needs**

- Control of conveyors in manual mode for maintenance and adjustment purposes
- Control of opening/closing of hopper and silos for food storage



**Solutions**



- Optimum radio link performance (range and reliability)
- Extra-rugged (resistant to dust, humidity, weather)

**Functions and options**

- LCD display for selection and control of desired equipment
- Automatic adjustment of frequency channels
- Detection of absence of transmitter on charger (control panel inhibition)
- Anti-condensation pellet
- Monitoring of charging temperature

\* for functions not having safety requirements

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**FORESTRY TIMBER CROSS-CUTTING AND HAULING**

**Your operational needs**

- Remote-control of winch and/or control of tractor functions (ON/OFF, engine speed) to facilitate wood hauling operations



**Solutions**



- Optimum radio link performance (extended range)
- Extra-rugged
- « Deadman » detection and isolated worker alarm system

**Functions and options**

- LCD display and navigation menu dedicated to wood hauling application
- Automatic adjustment of frequency channels
- Anti-condensation pellet for enhanced resistance to humidity
- Monitoring of charging temperature
- Carrying strap and holder

\* for functions not having safety requirements

**radi farm** SAWMILL MACHINERY

**Your operational needs**

- Control of main functions of splitters (horizontal and vertical) and debarkers
- Monitoring of operator intervening on automatic sawmill machines



**Solutions**



- Extra-rugged
- « Deadman » detection and isolated worker alarm system

**Functions and options**

- LCD display and menu for selection of functions
- Configurable deadman function
- Detection of absence of transmitter on charging base (control panel inhibition)
- Anti-condensation pellet
- Information feedback

**radi farm** FARM MACHINERY

**Your operational needs**

- Remote-control of farm equipment functions (liquid manure spreader, plant treatment equipment, seeder, baling machine) whether self-propelled or hooked up to a tractor.
- On-the-ground control of tractor forward movement function for fruit/vegetable gathering



**Solutions**



- Compact, easy to install
- Saves time, user-friendly
- Resistant to aggressive environment (humidity, mud)

**Functions and options**

- Industrial connector on receiver for fast connection to equipment in just a few seconds
- Extended radio range in an open environment (up to 150m)
- Anti-condensation pellet
- Single or double-action buttons
- Information feedback
- BUS interface on receiver for dialogue with machine controller or tractor computer

\* for functions not having safety requirements





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FIELD WATERING SYSTEM

Your operational needs

- Control of winder and water pump on/off functions from a remote location or from tractor cab.



Solutions



- Economic, rugged solution
- Simple, easy to use

Functions and options

- 2 to 16 function buttons + On/Off button
- Resistant to aggressive external environments
- Compact and ultra-light
- Radio range of 150m in open space
- Protective cover

\* for functions not having safety requirements

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WINE PUMP

Your operational needs

- Remote control of On/Off, flowrate and draining functions of pump.



Solutions



- Compact, easy to use
- Easy and quick to install

Functions and options

- Continuous radio transmission for cat3 safety shutdown (SIL2)
- Radio range of 150 m in open space
- Protective cover

\* for functions not having safety requirements

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FRUIT SORTER

**Your operational needs**

- Control of machine functions for adjustment of sorting and control of worm screw rate/speed.



**Solutions**



- Compact, easy to use
- Easy and quick to install

**Functions and options**

- LCD display and navigation menu for selection of a machine function
- Anti-condensation pellet for enhanced resistance to humidity
- Category 3 safety shutdown (SIL2)
- Information feedback (rate, weighing, alarms...)
- Detection of absence of transmitter on charging base
- BUS interface on receiver for fast connection to machine controller

\* for functions not having safety requirements

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LIVESTOCK FOLDING

**Your operational needs**

- Remote-selection and control of electric stock prod to facilitate milking operations
- Control of opening/closure of various barriers and gates associated to the equipment



**Solutions**



- Simple, easy to use
- Saves time when milking

**Functions and options**

- LCD display and navigation menu for selection of desired function
- Extended radio range in an enclosed environment
- Automatic adjustment of frequency channels
- Anti-condensation pellet
- Built-in horn

\* 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



**radiolift**  
MAN LIFTING  
& TRANSPORT  
EQUIPMENT



**radiomotion**  
INFRASTRUCTURE  
EQUIPMENT

**JAY**   
**électronique**

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