

## LATEST GENERATION OF SMART TERMINALS FOR REMOTE WIRELESS CONTROL OF EQUIPMENT



### RADIO AND SAFETY ADAPTED TO THE PILOTING NEEDS OF VARIOUS INDUSTRIAL APPLICATIONS.

A new generation has arrived integrating major innovations.

The solutions proposed meet the requirements of application markets, which have over time become JAY Electronique's specialization.

							
radi@crane	radi@green	radi@drive	radi@build	radi@safe	radi@farm	radi@lift	radi@motion
INDUSTRIAL LIFTING & HANDLING	WASTE PROCESSING EQUIPMENT	INDUSTRIAL EQUIPMENT	PUBLIC WORKS AND QUARRY EQUIPMENT	INDUSTRIAL EQUIPMENT	FARMING AND FOREST MANAGEMENT EQUIPMENT	MAN LIFTING & TRANSPORT EQUIPMENT	INFRASTRUCTURE EQUIPMENT

# safir

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.



## 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.

## 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.

## 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.

## SAFETY

Safety is at the heart of our concept. Our safir 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).

## SCREEN

As a standard feature on our safir 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.



Functional Safety  
Type Approved



## MANY EXAMPLES OF DEVELOPMENTS / APPLICATIONS

### ► radiocrane

Overhead conveyor  
Overhead travelling crane

### ► radiogreen

Brush grinder and chipper  
Iron and steel scrap press  
Water treatment equipment  
Pressure cleaner, vacuum cleaner  
and air gun

### ► radiodrive

Transport of bulk and dried food  
Bulk bin loading/unloading arm  
Sewer hydrocleaning vehicle  
Special transport trailers

### ► radiobuild

Tower crane  
Self-driven pump, belt, concrete mixer  
Crusher and materials sifter  
Demolition machine / robot  
Drilling, perforation and slicing  
machinery

### ► radiosafe

Automated storage  
Self-propelled handling  
Adjustment on an automated machine  
Manual control machine

### ► radiofarm

Forestry timber cross-cutting  
and hauling  
Wine pump

### ► radiolift

Lift  
Escalator

### ► radiomotion

Waterway bridge  
Port crane or conveyor belt  
Gas and oil loading arm  
Airport equipment  
Lighting and handling  
of stage sets  
Railway equipment



## Beta



### Compact, easy to handle, flexible Operator module

2 or 6 function buttons + 2 navigation buttons  
+ start/validation + stop  
3 different buttons types available  
IP65 tightness transmitter  
Integrated or Plug-in rechargeable battery  
Transmitter support charger  
Safety stop PLe EN13849 and SIL 3 EN61508  
64 frequencies in 433MHz  
12 frequencies in 869MHz  
Many options



## Gama



### Robust, Ergonomic, Secure Operator module

6 or 10 function buttons + 2 navigation buttons  
+ start/validation + stop  
3 different buttons types available  
IP65 tightness transmitter  
Plug-in rechargeable battery  
Transmitter support charger  
Safety stop PLe EN13849 and SIL 3 EN61508  
64 frequencies in 433MHz  
12 frequencies in 869MHz  
Infrared start-up option



## Pika



### Compact, Ergonomic Operator module

1 or 2 joysticks + 4 or 6 function buttons  
+ 2 navigation buttons + start/validation + stop  
6 different buttons types available  
IP65 tightness transmitter  
Plug-in rechargeable battery  
Safety stop PLe EN13849 and SIL 3 EN61508  
64 frequencies in 433MHz  
12 frequencies in 869MHz  
Different options available



## Moka



### Modular, multifunction Operator module

2, 3 joysticks or 6 levers + 4 to 16 function buttons  
+ 2 navigation buttons + start/validation + stop  
6 different buttons types available  
IP65 tightness transmitter  
Plug-in rechargeable battery  
Safety stop PLe EN13849 and SIL 3 EN61508  
64 frequencies in 433MHz  
12 frequencies in 869MHz  
Different options available



## UR



### Compact industrial remote control

4 function buttons + start + stop  
5 different buttons types available  
Electronic key  
Light-weight, compact transmitter  
IP65 tightness, protective foams  
Integrated rechargeable battery  
Transmitter support charger  
Safety stop PLd EN13849  
6+3 relays  
64 frequencies in 433MHz  
Infrared start-up option

## UC



### Standard industrial remote control

6 or 8 function buttons + start + stop  
3 different buttons types available  
Electronic key  
IP65 tightness transmitter and receivers  
Plug-in rechargeable battery  
Safety stop PLd EN13849  
9 or 12 +3 relays  
64 frequencies in 433MHz  
12 frequencies in 869MHz

## Orion



### Simple industrial remote control

1, 2, 4, 6, 8, 12 or 16 function buttons  
Versions with start/stop buttons  
Single step push buttons  
IP65 tightness transmitters and receivers  
Standard battery or rechargeable battery  
Transmitter support charger  
2, 4, 8 or 16 +1 relays  
1 or 18 frequencies  
in 433-434MHz  
Programmable



## UD



### Modular industrial remote control

6, 8 or 10 function buttons + start + stop  
6 different buttons types available  
Electronic key  
IP65 tightness transmitter and receivers  
Plug-in rechargeable battery  
Safety stop PLd EN13849  
6, 12 or 18 +3 relays  
64 frequencies in 433-434MHz  
12 frequencies in 869MHz  
64 frequencies in 911-918MHz  
Infrared start-up option  
Special functions

## XD



### ATEX industrial remote control Transmitter ExII16D ExialIBT5Ga ExialIICT100°CdAlP65 Receiver ExII2GD ExdialIBT6Gb ExIIICT80°CdAlP65

6, 8 or 10 function buttons + start + stop  
6 different buttons types available  
Electronic key  
IP65 tightness transmitter and receivers  
Plug-in rechargeable battery  
Safety stop PLd EN1384  
18 +3 relays  
64 frequencies in 433-434MHz  
12 frequencies in 869MHz

## Isis



### Radio logical signal transfers

8 logical signals  
IP65 tightness housings  
4 or 8 relays  
18 frequencies in 433-434MHz  
Programmable

## RS



### Radio emergency stop - Radio validation handle

4 function buttons + start/stop or 3 position trigger  
Light-weight, compact and ergonomic transmitters  
IP65 tightness, protective foams  
Integrated rechargeable battery  
Transmitter support charger  
Safety stop PLe EN13849 and SIL 3 EN61508  
6 static outputs + 2 safety relays  
64 frequencies in 433MHz  
Infrared start-up option