JAY électronique

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

s a f i r

## 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 applicationmarkets,
wich have over time become JAY Electronique's specialization.

| radiocrane | radiogreen | radiodrive | radiobuild | radiosafe | radiofarm | radiolift | radiomotion |
|---|---|---|---|---|---|---|---|
| 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 |

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# 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.

## 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
P001EN

**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
P002EN

**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
P003EN

**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
P004EN

**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

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# UR    <span>E730</span>

**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    <span>E770</span>

**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    <span>E780</span>

**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

# Isis    <span>E780</span>

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

# UD    <span>E330</span>

**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    <span>E810</span>

**ATEX industrial remote control
Transmitter ExII1GD ExiaIIBT5Ga
ExiaIIICT100°CDaIP65
Receiver ExII2GD ExdiaIIBT6Gb
ExtIIICT80°CDbIP65**
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

# RS    <span>E730</span>

**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