

JMEI RCB1000 RADIO REMOTE CONTROL



Transmitter designed with large control panel to provide ease use, lightweight, very robust and made of reinforced industrial-use polyurethane. Highly ergonomic.

Shock-absorbing cradle designed for great ease of use, it protects the joysticks and controls from any hazardous movement.

Transmitter, very easy to customize thanks to the large operator surface.

The pictograms on the transmitter unit are surface grooved and adapted to the customer requirements, allowing excellent visualization of the controls. In addition, back-lighting makes the unit easy to use in dark or badly lit areas, as well as at night time, giving even greater operating safety.

Protection: IP65

Transmitter powered by a battery with more than 20 hours battery life, although the system can also be plugged into a 12v or 24 v mains supply.

Industrial leather protective case of the transmitter supplied with shoulder harness designed for greater user comfort.

Suitable for many industrial purposes that need a sturdy and reliable device such as lifting and handling machines and civil engineering equipment, such as tower cranes, truck-mounted hydraulic cranes, dumpers, shovel wheel tractor loaders, rock breakers and compactors, mines drilling machines, and especially designed for mining and maritime applications.

Specifications

Frequency range 434 MHz or 868/870 MHz, 64 possible frequencies.

Transmitter and receiver frequencies and addresses configurable using the joysticks (in maintenance and safety processing mode), no need to configure anything on the receiver.

Digital or analogue joystick (maximum 8 channels).

Transmission power: < 10 mW.

Modulation: FM : FSK.

Transmission code: 32-bit address and 16-bit CRC.

Bidirectional radio remote, meaning that the receiver and transmitter can receive and transmit by using a single frequency. This means that all information fed back from the machine can be shown on the transmitter display.

Receiver and transmitter, Class 3 emergency stop push button.

NiMH battery, no memory effect and long battery life (>20 hours).

Operating distance: 500m.

JMEI-designed microprocessor-controlled charger, charging time: 4 hours.

Receiver with most diverse analogue and serial interfaces, for example CAN bus, Profibus, Ethernet, RS232or RS 485or **any other fieldbus connection to the PLC customer application.**

Types

RCB1000

Possible functions:

Up to 40 on/off digital functions, switches buttons and push buttons

One emergency stop push button,

3 multi-axis joysticks

Optional memory key for rapid interchange with a backup transmitter

Fully customizable

Applications: Radio remote for bridge cranes, all types of overhead cranes, complex lifting machines, remote control of mining and quarry equipment, all types of marine/maritime equipment



RCB1000

Possible functions:

Up to 40 on/off digital functions (switches buttons and push buttons)

8 single axis joysticks.

2 or 4 analogue rotating buttons

One emergency stop push button

Optional memory key for rapid interchange with a backup transmitter

LED indicator lights

Fully customizable

Applications: Remote control for hydraulic or

mechanical presses or similar machines, controlling mobile equipment with gradual/analogue motion control



RCB1000

Possible functions:

2 gradual/analogue multi-axis joysticks with deadman switch (hydraulic control)

2 or 4 uni-axis joysticks

for hydraulic commands

Up to 10 digital on/off functions (digital switches and push buttons)

One emergency stop push button

Optional memory key for rapid interchange with a backup transmitter

Fully customizable



RCB1000

Possible functions:

Up to 20 on/off digital functions (digital switches and push buttons)

2 rotating analogue buttons with analogue

potentiometers or more

2 gradual uni-axis joysticks or more

Industrial display foreseen for any types of messages or bar graph diagram

One emergency stop push button

Optional memory key for rapid interchange with a backup transmitter

LED indicator lights or message display

Fully customizable

Applications: radio remote for all types of mobile equipment requiring radio remote information from application PLC (mining, transport, drilling, civil work equipment, marine and maritime applications)



Applications

In addition to traditional uses such as bridge cranes, gantry cranes and general lifting machinery, the RCB1000 transmitter is especially suited for the heavy-industry

The RCB1000 transmitter is also ideal when several functions and a complicated display are required.

The large user-friendly layout allows for a large number of functions whilst remaining highly ergonomic in design.



Bridge crane at the Arcelor Mittal Belval steel shop/2008



Jan de Null dredger/2008



Airbus handling platform/2008