



JMEI RCB3000 RADIO REMOTE CONTROL UNIT

A robust, ultra-compact, lightweight and sturdy transmitter, made from industrial-use reinforced polyurethane; highly ergonomic design specially suited for tough industrial environments.

Large shock-absorbing cradle makes the unit very easy to use, protecting the joysticks and controls push button from any hazardous movement.

The pictograms on the console are grooved on the transmitter surface, and adapted to the customer requirement, allowing excellent visualisation 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, providing even greater operating safety.

Protection: IP65

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

Protective nylon or leather carry-case

Available for all possible applications foreseen for lifting and handling industry but also for all types of civil works machines such as tower cranes, truck-mounted hydraulic cranes, dumper trucks, shovel wheel tractor loaders, rock breakers and compactors. It is especially suited for mining and maritime, marine uses.

Specifications

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

Transmitter and receiver frequencies and addresses configurable using the joysticks, no need to configure anything on the receiver unit.

Transmission power: < 10 mW

Modulation: FM : FSK

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

Bidirectional radio control, meaning that both the receiver and transmitter can receive and transmit over a single frequency

Class 3 emergency stop push button

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

Operating distance: 200m

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

Receiver type, REC B or RCB 7000, can be connected with Profibus, Ethernet, CAN bus or any other fieldbus connection to the PLC customer application.

Type

RCB3000

Possible functions:

Up to 20 different switches in

digital mode, ON/OFF

One emergency stop push button

Optional memory key for quick activation of a spare transmitter

LED indicator lights

Fully customizable

Applications radio remote for overhead bridge cranes or multipurpose winches, machines in maintenance mode (quarry machines - mills, screens, and conveyor belts), all types of simple machines managed by digital control.



RCB3000

Possible functions:

Up to 3 joysticks, analogue or digital signals with or without dead man switch

10 push buttons (on/off commands)

and/or switch digital buttons (on/off)

Up to 8 analogue functions (10-bit) and 45 on/off digital functions. One emergency stop push button.

Optional memory key for quick activation of a spare transmitter

LED indicator lights

Fully customizable

Applications: radio remote control for overhead cranes, lifting equipment of all kinds, winches, hoisting machines, agricultural and forestry machines, quarry equipment (mills, screens, conveyor belts), radio remote for safer machine maintenance, on-board radio remote control of all mobile industrial vehicles.



RCB3000



Possible functions:

Up to 6 single-axis joysticks,
proportional control, all types of
hydraulic machines;
10 digital switches or push button

(on/off commands) and/or switches (on/off)

One emergency stop push button

Optional memory key for quick activation of a spare
transmitter.

LED indicator lights

Fully customizable

Application: Radio remote for tower cranes, Hydraulic
driven agricultural or forestry
machines, on-board radio remote control of all mobile
industrial vehicles, mines and quarries equipment.

RCB3000

Possible functions:

Up to two 4-axis joysticks
with or without dead man
switch, proportional control,
all types of

hydraulic machine

10 momentary contact push buttons (on/off commands)
and/or rocker buttons (on/off)

One emergency stop push button

Optional memory key for quick activation of a spare
transmitter.



**LED indicators and a display
provide feedback information
from application**

Fully customizable

Applications: All types of machine
that need to feed back and display information

RCB3000



Connecting transmitters in
tandem/master/slave
configuration

Feedback about the position
of bridge cranes or other
mobile vehicles is displayed
on the

transmitter, which makes possible to foreseen zone
applications with master-configured transmitter, with
other transmitters operating in passive slave mode.

Optional memory key,

This system can be combined with our secure TCA27
security control device.

Uses: All coupling of mobile machines (portal and
other bridge cranes).

Receiver

Receiver type RCB or RCB 7000 with most diverse analogue and serial interfaces, for example CAN bus,
Profibus, Ethernet, RS232 or RS 485

Or any other fieldbus connection to the PLC customer application.

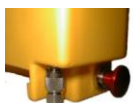
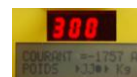
Options



Protective leather case

Combines with the carry belt and
protects the unit from knocks

Different types of display, making it possible to transfer
information in bidirectional mode from the machine to
the transmitter



Hardware identification key

Allows quick exchange between
transmitters



Secure control using the
JMEI/TCA27 device

Customization

Our equipment is fully customizable.

The transmitter can be fitted with ambient or dynamic backlighting.

This customization improves the ergonomics of the unit and provides greater safety of use.