

Remotus

Robust radio remote control for safety critical industrial applications



NAME: Remotus Jupiter Era 8B.
SPECIALITY: Radio remote control
for overhead crane
READY FOR MISSION: 2014



NAME: Remotus Jupiter Era 100U.
SPECIALITY: Radio remote control
for industrial crane
READY FOR MISSION: 2014



Remotus Jupiter is our robust standardized remote-control product line developed for most of today's industrial cranes and overhead cranes, used, for example, in manufacturing, steel works, mines, and processing industries. The system has pre-programmed selections and works on the general frequency bands, so users can easily install and start up the system.

The Remotus Jupiter line has many different transmitters to choose from depending on usage area. **Jupiter Era** is the name of the latest model.

Remotus Jupiter Era

Remotus Jupiter Era is the name of the latest member of the Remotus family. The Jupiter Era waist transmitters have a modern, rugged design. They have rubberized handles for a good grip and they also stand firmly on their protective metal feet when not in use. The Jupiter Era handheld transmitters have a modern, ergonomic design, clear display, and LEDs near each button that indicate the selected function. The Era models are lightweight and easy to carry.

Dual CPUs for superior safety

Jupiter Era waist transmitters have dual CPUs, which means superior safety, even with movements/functions. They have an active stop function, which means the receiver will stop in less than 100 ms. The waist transmitter has a built-in tilt function, which means that it stops if you fall. The system uses the general frequency bands at 418-419 MHz, 433-434 MHz, 863-870 MHz, and 902-928 MHz. A user can maneuver several objects from the same transmitter (multi-crane operation), and several users can maneuver one object from several transmitters (multi-operator operation). A duplex function enables data transmission back to the transmitter.

Configurable display with alarm function and a unique battery solution

The Jupiter Era 100/150 have a large, clear display that is easy to read, even in bright sunlight. The transmitters also have a vibrator and buzzer, which can be individually configured to different alarm events via the display menu. The display's backlighting can also shift to red with different alarms that can be chosen from the menu. The Jupiter Era 90 has no display or alarm function. The waist transmitter has a unique battery solution where the battery is well protected from water and dust in a replaceable module whose opening is located directly below the transmitter. The transmitter can be placed in deep water without affecting the battery.

Easily configured and functional

Configuration of button functions, frequency, shutdown time, and permanent/temporary functions is done from the pushbuttons or display. Jupiter Era waist transmitters can also be configured via our proprietary configuration tool. A configuration information module (CIM) card stores the Jupiter transmitter's configuration. The transmitter's configuration can thereby be easily moved to another transmitter. The CIM card is secured during operation but is easily accessible for service.

The safety stop function in the Remotus Jupiter is certified according to PL d, Cat 3, EN ISO 13849-1.

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Jupiter — Handheld transmitters

Jupiter hand held transmitters are developed for indoor and outdoor use. The transmitters are robust and designed with large, clearly, visible, rugged buttons. A protective rubber bumper makes them extra shock resistant. Jupiter 8B/10B have 8/10 two-stage buttons that enable double functions for each pushbutton. Jupiter 10B has a trolley selection function. Jupiter 9B RS has 9, two-stage buttons and a rotary switch, and can be programmed for up to 18 functions in 4 positions. LEDs on each button indicate selected function and a separate LED indicates storage battery status and operation. The transmitters are available with Nordic* or DIN* symbols. Jupiter 9B RS and 10B are available with or without graphic display.

REMOTUS Jupiter 8B



No. of buttons: 8 two-stage buttons	Antenna: Internal
Type of transmission: FM GMSK	Battery: 3.7 V/1.9 Ah
Transmission speed: 9,600 baud	Operating time: ca 13 hours
Ambient temperature: -25 to +55°C	Protection class: IP65
Radio frequencies: 418-419 MHz, 433-434 MHz, 863-870 MHz, 902-928 MHz	Dimensions: 243 x 77 x 41 mm
Output power: 10 mW (433-434 MHz) 5 mW (863-870 MHz)	Weight: 480 g
Art. no. Jupiter 8B Nordic*: Jupiter 8B DIN*:	945696-800 946091-800



REMOTUS Jupiter 10B

No. of buttons: 10 two-stage buttons	Battery: 3.7 V/1.9 Ah
Type of transmission: FM GMSK	Operating time: ca 13 hours
Transmission speed: 9,600 baud	Protection class: IP65
Ambient temperature: -25 to +55°C	Dimensions: 243 x 77 x 41 mm
Radio frequencies: 418-419 MHz, 433-434 MHz, 863-870 MHz, 902-928 MHz	Weight: 520 g
Output power: 10 mW (433-434 MHz) 5 mW (863-870 MHz)	Display type: Graphic, 102x64 pixels. Up to four numerical values with unit can be displayed simultaneously. The values can be displayed numerically or as bars.
Antenna: Internal	
Art. no. Jupiter 10B Nordic*: Jupiter 10B Nordic* Display:	945697-800 947703-800
Art. no. Jupiter 10B DIN*: Jupiter 10B DIN* Display:	946093-800 947704-800



*Nordic symbols *DIN symbols
 

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Jupiter — Receivers

The Jupiter RX160 is a robust receiver pre-programmed with 16 different application programs. The receiver is easy to install and start up. Configurations and settings are easily made with our proprietary configuration tool. The receiver has a multi-transformer for universal use. It has an analogue input for reading selected values, for example, in a display. The selected values are formatted using the configuration tool. The receiver has dual processors that monitor each other, so a message is checked before the relay function goes out into the receiver. Command errors don't occur and safety increases. The receiver is IP67 rated and its enclosure is made of flameproof plastic. Siren is optional. The receiver is compatible with all Jupiter transmitters.

REMOTUS Jupiter RX160

No. of outputs:

16 outputs; 4 changeover and 12 open contacts of which 6 safety relays

Outputs for emergency stop:

2 safety relays; 2 changeover contacts

Number of inputs:

1 analogue input
0(4)-20 mA or 0/2-10 V
1 serial input: RS422/RS485
2 opto isolated digital inputs for 24/48 V AC/DC, 115 V AC or 230 V AC 50/60 Hz

Radio frequencies:

418-419 MHz, 433-434 MHz, 863-870 MHz, 902-928 MHz

Art. no.

Jupiter RX160
Jupiter RX160, Siren
Siren kit

Power consumption:

max 12 VA

Ambient temperature:

-25°C to +55°C

Casing:

Flameproof plastic (UL 94 5VA)

Protection class:

IP67

Dimensions:

277 x 217 x 115 mm

Weight:

1.5 kg

Connection voltage:

24/48/115/230 V AC or 24 V DC

948470-800

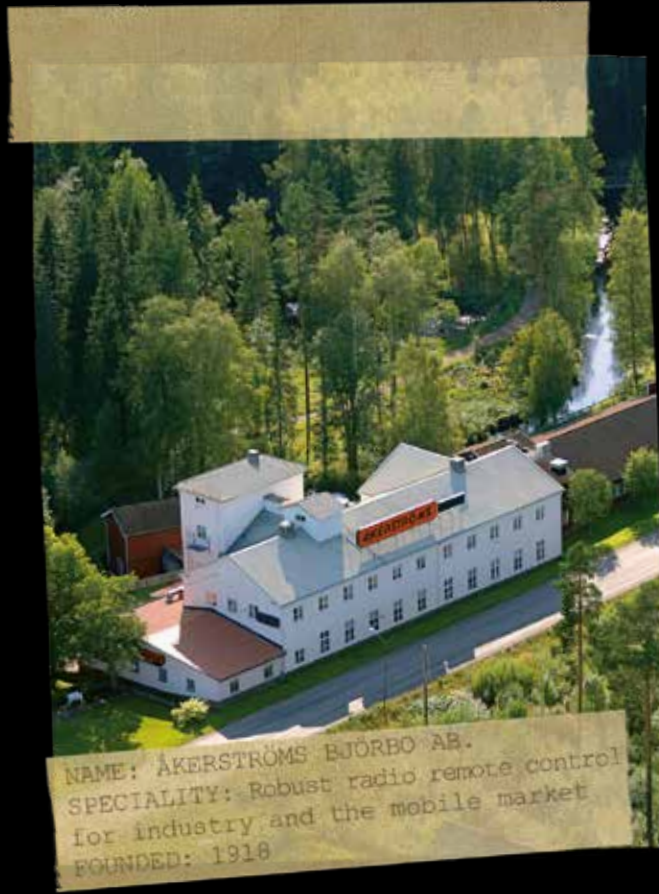
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REMOTUS JUPITER RX160

Included with the receiver are assembly spacers for easy mounting on a flat surface.



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