

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 Era — Waist transmitters

Jupiter Era waist transmitters are easy to use and have a well-thought-out, robust design. The transmitters are equipped with rubberized handles for optimum grip, and when the transmitter is not in use it stands firmly on its metal feet. There are three different transmitters available: two simpler versions that handle three movements at two speeds and contain two extra functions, and another that is a more sophisticated version that handles three movements at two speeds and contains five extra functions. The Jupiter Era 100/150 come standard with a graphic display and a built-in vibrator and buzzer that can be configured for different alarm events. The graphical display has a simple setup menu for setting the selected values. All models are available with Nordic* or DIN symbols*.

REMOTUS Jupiter Era 90

No. of functions: Three movements at two speeds and two extra functions	Range: Up to 200 m
Type of transmission: FM GMSK	Antenna: Internal
Transmission speed: 9,600 baud	Battery: 3.7 V/1.9 Ah
Ambient temperature: -25 to +55°C	Operating time: about 14 hours
Radio frequencies: 418-419 MHz, 433-434 MHz, 863-870 MHz, 902-928 MHz	Protection class: IP65-67
Output power: 10 mW (433-434 MHz) 5 mW (863-870 MHz)	Dimensions: 260 x 165 x 150 mm
Art. no. Jupiter Era 90J Nordic*: Jupiter Era 90J DIN*:	Weight: 1.3 kg 949767-400/800 949767-401/801



REMOTUS Jupiter Era 100

No. of functions: Three movements at two speeds and two extra functions	Antenna: Internal
Type of transmission: FM GMSK	Battery: 3.7 V/1.9 Ah
Transmission speed: 9,600 baud	Operating time: about 14 hours
Ambient temperature: -25 to +55°C	Protection class: IP65-67
Radio frequencies: 418-419 MHz, 433-434 MHz, 863-870 MHz, 902-928 MHz	Dimensions: 260 x 165 x 150 mm
Output power: 10 mW (433-434 MHz) 5 mW (863-870 MHz)	Weight: 1.3 kg
Range: Up to 200 m	Display type: Graphic LCD, 128x64 pixels
Art. no. Jupiter Era 100J Nordic*: Jupiter Era 100J DIN*:	Art. no. 949768-400/800 949768-401/801



*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

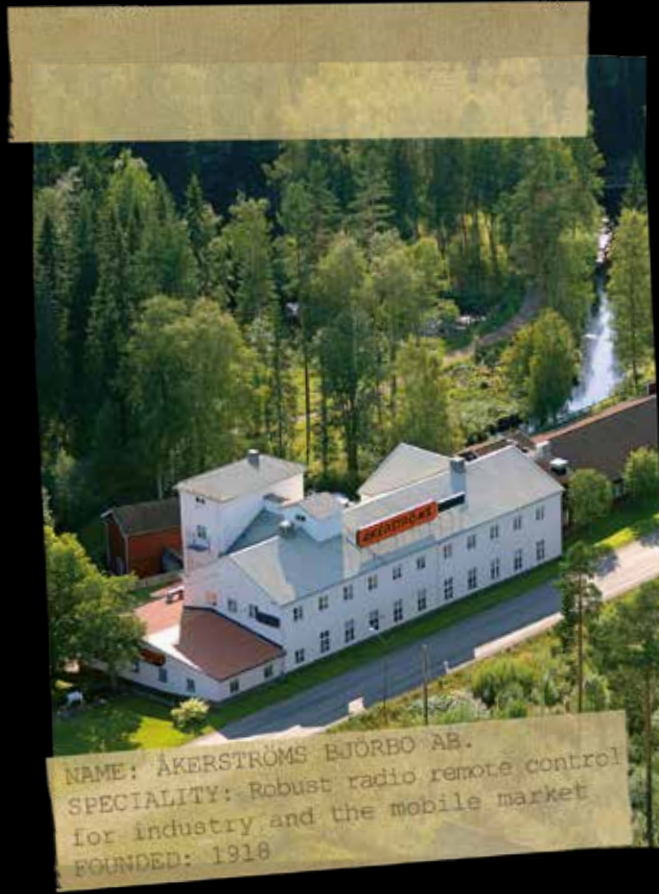
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REMOTUS JUPITER RX160

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



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