



# Remotus Jupiter

Robust Radio Control for industrial applications

Remotus Jupiter is Åkerströms' standardized remote-control product line 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 operates on the general frequency band so users can easily install and start up the system. The emergency stop function in the Remotus Jupiter series is approved to PL d, Cat 3, EN ISO 13849-1.

### JUPITER ERA HAND HELD TRANSMITTERS

Jupiter Era transmitters have a robust design. Jupiter Era is available with 8, 6, or 4 two-stage buttons, with a graphical display as standard. The transmitters weigh only 265 grams and have an ergonomic design. The transmitters' output power is adaptive, meaning that if the signal strength is strong, the transmitter and receiver 'switch' to lower output power to minimize interference with others as much as possible.



TECHNICAL FACT	JUPITER ERA 6B/8B
No. of functions:	4, 6 or 8
Operating time:	about 40 h
Protection class:	IP67
Size:	183 x 67 x 45 mm
Weight:	256 g
Display type:	Graphic LCD, 128x64 pixlar

### JUPITER ERA WAIST TRANSMITTERS

The Jupiter Era waist transmitters are easy to use with a well-thought-out, robust design. The transmitters has active stop, stops in <100 ms and tilt switch, meaning they stop in the event of a fall. The waist transmitters come in three versions; Jupiter Era 100, which handles three movements at two speeds with two additional functions. Jupiter Era 150 handles three movements at two speeds with five extra functions. Jupiter Era 100 Configurable handles up to four movements at 2-4 speeds with five additional optional functions, or 11 extra functions depending on the configuration. The transmitters can be configured for different alarm events with vibration and buzzer.



JUPITER ERA 100	JUPITER ERA 150	JUPITER ERA 100 CONFIGURABLE
Three movements at two speeds and two extra functions	Three movements at two speeds and five extra functions	Up to four movements at 2 - 4 speeds with five extra functions, or 11 extra functions depending on the configuration
Output power: 10mW	Output power: 10mW	Output power: 10mW
Operating time: about 14h	Operating time: about 14h	Operating time: about 14h
Protection class: IP67	Protection class: IP67	Protection class: IP67
Size: 260 x 165 x 150 mm	Size: 260 x 165 x 150 mm	Size: 260 x 165 x 150 mm
Weight: 1,3kg	Weight: 1,3kg	Weight: 1,3kg
Display type: Graphic LCD, 128x64 pixles	Display type: Graphic LCD, 128x64 pixles	Display type: Graphic LCD, 128x64 pixles

### → PIN-LOCK FOR EXTRA SECURITY

For added security, there is the option for PIN lock in the transmitters. Upon startup, the status indicator will glow with a red light, and the display will show "enter PIN." This means the transmitter won't start transmitting until the correct PIN code is entered.

### → MULTI-CRANE/MULTI-OPERATOR AND TROLLEY CHOICE

Several of the Jupiter systems are adapted for multi-crane/multi-operator and trolley choice, which means that it is possible to maneuver several objects from the same transmitter and possible to maneuver the same object from several transmitters, which is advantageous when lifting in an environment where the entire travel path is not visible.

### → PRE-PROGRAMMED SELECTION

Jupiter receivers have pre-programmed selections for most industrial crane manufacturers on the market. This is particularly useful during installation, where programming can be easily adjusted with a rotary switch.

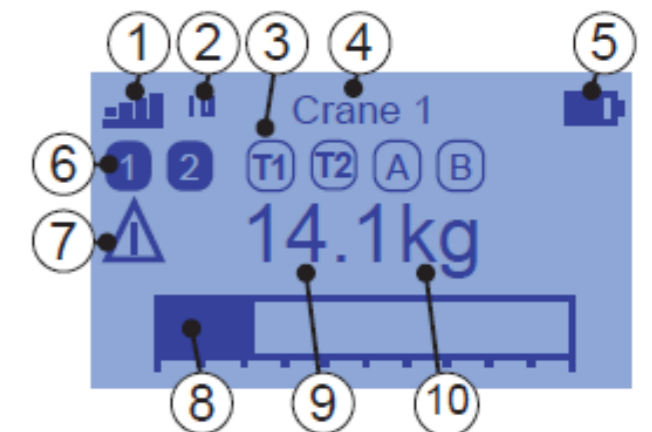
### → TARE-FUNCTION

The Jupiter transmitters combined with the RX161 receiver, incorporate a tare function, which allows you to reset the scale's display directly from the transmitter. This makes it easy to adjust the scale measurement by zeroing the weight of any containers when weighing specific loads.

### DISPLAY FUNCTIONS

The Jupiter systems has a graphical display as standard. The display features a simple setup menu for configuring selected values. Additionally, there's a text field for crane names, enabling users to identify the crane they are controlling. With the RX161 receiver, there's also the option for weight indication on the display and the tare function.

1. Radio signal /MC/Low/High power
2. Channel Indicator, up to three digits
3. Selection (Era 8B 9/10 mode, 10BD)
4. Text field (kran-namn etc.)
5. Battery level
6. Dig. In 1 & 2 (shows if active)
7. Overload warning
8. Weight load graph (full-scale=max load)
9. Weight, up to 5 digits
10. Weight unit (kg, t eller lb)



## JUPITER RECEIVER

Jupiter receivers are designed with a flame-resistant plastic (UL 94 5VA) with an IP67 protection class. The RX110 receiver has 11 outputs and can handle three movements at two speeds. RX161 has 16 outputs as standard but can be expanded with an additional 16 outputs, 4 changeover, and 12 open contacts. Configuration and settings are easily done in a configuration tool. RX161 has an analog input for reading selected values, such as from a load cell, to a display where the values are formatted in the configuration tool. The receiver has several optional features such as a siren, magnetic feet, pre-configuration, or pre-assembled cable mounting.

The Remotus Jupiter RX161/RX110 receiver is a versatile product that you can easily configure for common crane applications. You can choose different application-specific PLC programs, adjust the frequency, set the receiver for normal or multi-crane/multi-operator control, or pair the receiver with a transmitter.

## CONFIGURATION TOOL

To set up analog and serial interfaces for communication with scales, values in the display, or specific radio parameters that require frequency planning, a configuration tool is required. The configuration tool is Windows PC-based and makes it easy to configure additional settings in the receiver. With the tool, you can create, modify, upload, or download different configuration files to the receiver. Additionally, you can save configuration settings as files on your computer's hard drive



JUPITER RX110



JUPITER RX161

<p><b>No. of outputs:</b> 11 outputs; 4 changeover and 7 open contacts of which 1 safety relays</p>	<p><b>No. of outputs:</b> 16 + 16 outputs; 4 changeover and 12 open contacts of which 6 safety relays</p>
<p><b>Outputs for emergency stop:</b> 2 safety relays, 2 changeover contacts</p>	<p><b>Outputs for emergency stop:</b> 2 safety relays, 2 changeover contacts</p>
	<p><b>Number of inputs:</b> 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</p>
<p><b>Power consumption:</b> max 12 VA</p>	<p><b>Power consumption:</b> max 12 VA</p>
<p><b>Size:</b> 277 x 217 x 115 mm</p>	<p><b>Size:</b> 277 x 217 x 115 mm</p>
<p><b>Weight:</b> 1,5 kg</p>	<p><b>Weight:</b> 1,5 kg</p>
<p><b>Connection voltage:</b> 24/48/115/230 V AC alt. 24 V DC</p>	<p><b>Connection voltage:</b> 24/48/115/230 V AC alt. 24 V DC</p>

