

 **JUUKO**  
**M-Series**  
Transmitter

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## M-Series Features

- Independent LEDs, indicate the status of the battery
- Activation of the transmitter is protected by an electronic key-code and an auto shut-off option which is programmable
- The system automatically change to another frequency in the presence of radio interference
- Eco power management system. Save on batteries
- It can receive and display via 12 LEDs signals coming from the receiver (relay action feedback)
- Mushrooms type EMO button
- Internal BootLoader, up firmware to the date by using computer
- Qi wireless charging compatible

## Black Box Track your crane or machine usage

Available in New 2016 K plus series

With JUUKO Black Box function, you can always collect the usage data of both transmitter and receiver. This function is good for the hoist service and maintenance work, and also for those companies who provide lease or rent out service.

It is more than simple to see the usage data of both Transmitter and Receiver just by connecting the transmitter to the JUUKO's "Control pro" configuration software.

Item	Value	Unit	Item	Value	Unit
Power	100	W	Power	100	W
Current	10	A	Current	10	A
Voltage	24	V	Voltage	24	V
Frequency	433	MHz	Frequency	433	MHz
Temperature	25	°C	Temperature	25	°C
Speed	10	m/s	Speed	10	m/s
Position	10	m	Position	10	m
Acceleration	10	m/s²	Acceleration	10	m/s²
Rotation	10	°/s	Rotation	10	°/s
Pressure	10	Pa	Pressure	10	Pa
Humidity	10	%	Humidity	10	%
Light	10	lux	Light	10	lux
Sound	10	dB	Sound	10	dB
Distance	10	m	Distance	10	m
Angle	10	°	Angle	10	°
Time	10	s	Time	10	s
Weight	10	kg	Weight	10	kg
Force	10	N	Force	10	N
Energy	10	J	Energy	10	J
Power	10	W	Power	10	W
Current	10	A	Current	10	A
Voltage	10	V	Voltage	10	V
Frequency	10	MHz	Frequency	10	MHz
Temperature	10	°C	Temperature	10	°C
Speed	10	m/s	Speed	10	m/s
Position	10	m	Position	10	m
Acceleration	10	m/s²	Acceleration	10	m/s²
Rotation	10	°/s	Rotation	10	°/s
Pressure	10	Pa	Pressure	10	Pa
Humidity	10	%	Humidity	10	%
Light	10	lux	Light	10	lux
Sound	10	dB	Sound	10	dB
Distance	10	m	Distance	10	m
Angle	10	°	Angle	10	°
Time	10	s	Time	10	s
Weight	10	kg	Weight	10	kg
Force	10	N	Force	10	N
Energy	10	J	Energy	10	J

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### Automatic Channel Switching (ACS)

A system comes standard with a primary working frequency and a secondary working frequency. Automatic Channel Switching (ACS) allows continuous operation free from interference for the user. When radio interference occurs during normal operation, the radio communication automatically switch to the the secondary frequency.

- Bi-directional
- Safe communication
- Uninterrupted radio link benefits smooth operation

### Multi-control System

① MASTER / SLAVE



② PITCH & CATCH



③ TANDEM



### Zero-G Safety

Available in New 2016 K plus series

The zero-g safety function can prevent the uncontrolled output of commands in specific emergencies.

The G sensor can detect if the transmitter receives a hard impact, dropped or thrown. These features can deactivate either the complete radio system or only the safety-relevant function relays.

### Roll-over Protection





### Qi Wireless Charging Compatible

Farewell, power cords

Frustrated with messy, often incompatible cables? Qi charging technology cuts the cord for your devices - finally, they are truly wireless.

**Charged and ready to go**

The leading wireless charging standard, Qi has been embraced by hundreds of leading manufacturers.



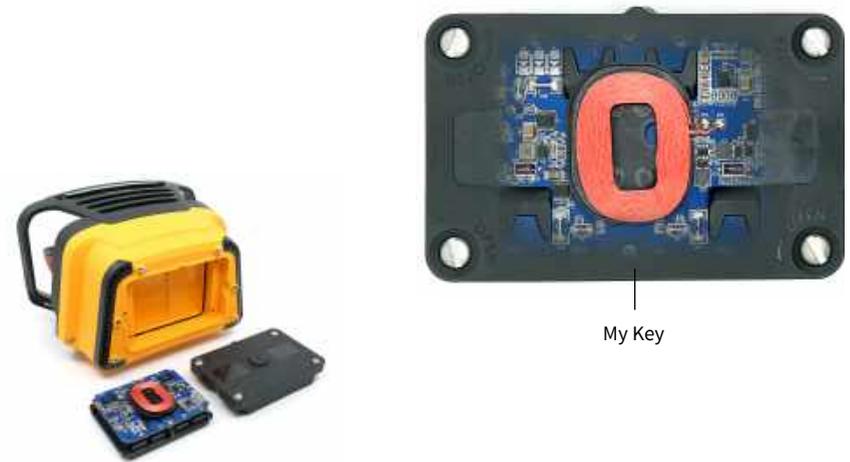
### Data Feedback

The "Data Feedback" function enables the visualization of status through 12 LEDs. These 12 LEDs are programmable to see the actual STATUS of each relay in receiver.



### My Key: Always in Safe Hands

This function make the device can only be used by authorised personnel. Such as operating speed, and safety-relevant functions.



## Technical Data

### Layout

2\* Joystick, 6\* Paddle & switches

### Weight (including battery)

approx. 1036g

### Dimensions

200×141.3×139mm

### Frequency band

418/ 429/ 433/ 447/ 470 / 915 MHz / 2.4 GHz

### Channel space

12.5 kHz

### Number of available on/off command

max. 24 + Start and EMO

### Hamming distance

≥ 15

### Radio communication

bi-directional

### Frequency handling

Automatic and dynamic switching between 2 channels

### Power supply

LR6(AA)1.5V / NiMH(AA)1.2V x4

### Stop command response time

~ 50 ms

### Command response time

~ 50 ms

### Protection degree

IP65

### Operating and storage temperature

(-25°C)~(+55°C) / (-40°C)~(+85°C)

### Housing material

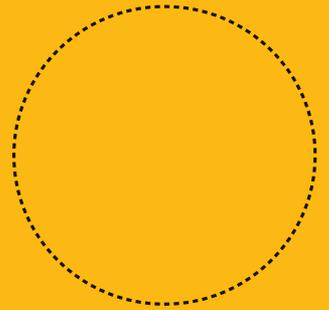
PA66 (GF30%)



# Applications



Transmitter



*Enjoy  
controlling!*



 JUUKO

**M**Series