



NEXWAVE

PORTABLE REMOTE CONTROL



- Discover our **next-generation portable remote control**, designed for industrial lifting machines, material handling, and aerial platforms, equipped with the **RDC EVO receiver**.
- Swappable battery with up to **24 hours** of runtime on a single charge
- **Fully customizable** interface
- Made of **ultra-durable materials** for harsh industrial environments.
- Hamming code for interference-free operation on **434/868/915 MHz**. Range: up to **100 meters**
- Also available with **CAN-BUS wired control** option



TECHNICAL FEATURES

BATTERY	NiMh – 3,7V 3,1 Ah
AUTONOMY	up to 24 hours @ 20°C with charged battery in continuous service in low power condition
RADIO FREQUENCY BAND	868 MHz / 434 MHz / 915 MHz BAND with multi-channel automatic scan
COMMAND	up to 20 ON/OFF commands (toggle switch or pushbutton) from 1 to 7 linear levers/potentiometers or up to 3 joysticks (dual-axis) Up to 5 side pushbuttons
USER FEEDBACK	Up to 16 LEDS (bicolor/monocolor) Buzzer Customizable label
OPERATIVE RANGE	Up to 100 m in open field
ENCLOSURE MATERIAL	PA66 – UL94 V0
HANDLING	Waist belt/ shoulder strap
TEMPERATURE	OPERATING: -25+75°C
PROTECTION	IP65

SAMPLE LAYOUT

STANDARDS

APPROVALS	CE (RED) UKCA (RED) FCC (<i>pending</i>)
SAFETY PERFORMANCE OF THE EMERGENCY STOP BUTTON	EN ISO 13849-1 PLd Cat.3



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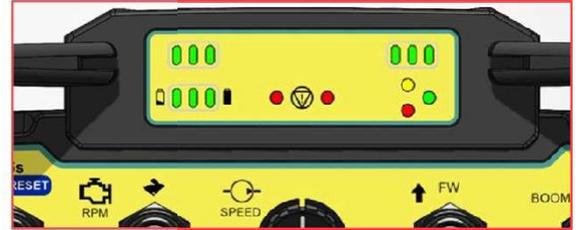
NEXTWAVE

PORTABLE REMOTE CONTROL

FEATURES

STATUS BAR

Signaling operating status, battery charge level and anomaly messages.



SMART LOCK SYSTEM

optional

One or more contactless key/card can be programmed to restrict the use to authorized personnel.



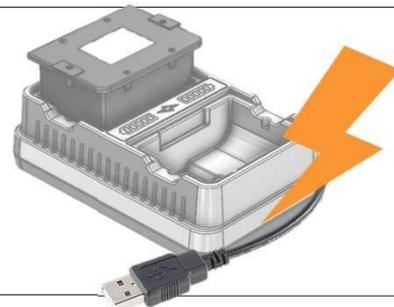
SMART BATTERY

The battery's internal CPU reports its status to the remote, enabling early detection of issues and preventing downtime.



BATTERY CHARGER

Charge two battery packs with the included USB-C charger, compatible with universal 5V power sources.



WIRED CONNECTION

optional

- SOURIAU or M12 connector
- CAN BUS port 2.0B compliant (11, 29 bit) ISO 11898-2 up to 1Mbit/s



OTHER OPTIONS

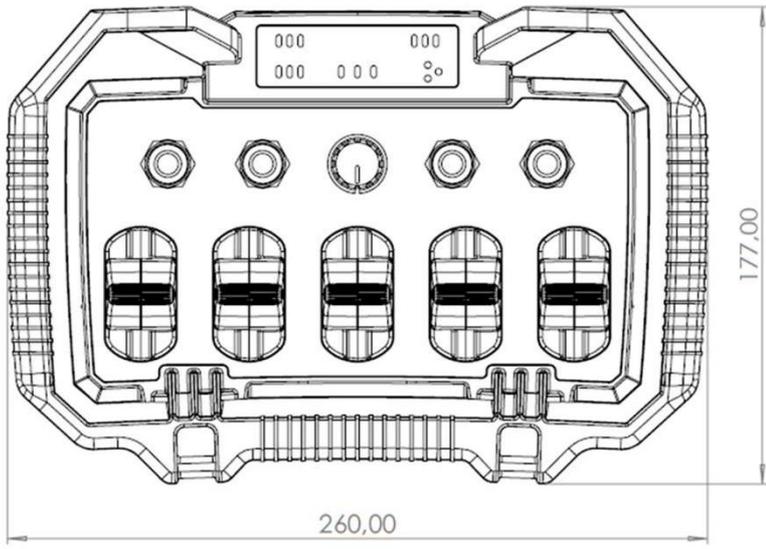
- Backlit label
- Integrated accelerometer for drop detection
- Monocromatic display



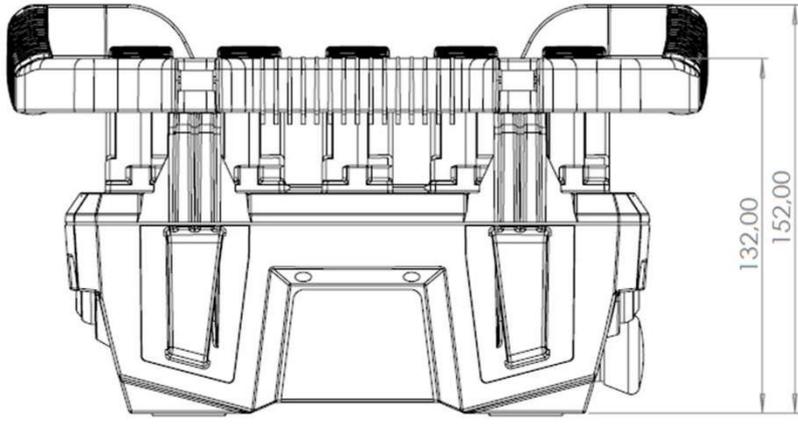
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SIZE (mm)



SAMPLE LAYOUT



COMPATIBLE RADIO RECEIVER UNIT

MASTER CODE	RDC EVO (SEE THE DATASHEET FOR MORE INFORMATION)
POWER SUPPLY	9 - 30 VDC
COMMUNICATION	NETWORK: CAN BUS 2.0B COMPLIANT – CANOPEN PROTOCOL RADIO: 868 MHz / 434 MHz / 915 MHz BAND
CONNECTIONS	MAIN: TE DEUTSCH DTF13-6P ANTENNA: SMA socket
CASE	ENCAPSULATED IN PUR RESIN - UL94 (V0) –IP67





NOTE

