

Greatest variety
in the
smallest space!

Nano-media



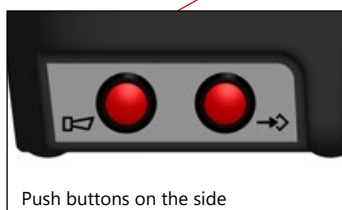
The Nano-media combines the compact design of the Nano-minor with the technical capabilities of the Nano-magna. This combination of features provides the greatest variety of operating and feedback possibilities in the smallest space.

The nano-media is used in a variety of applications. These include: bridge cranes, portal cranes, mobile cranes, aerial work platforms, lifting devices, winches, stone crushers & screening machines, agriculture, landscaping, mining & quarrying, fire fighting and concrete pumps and many more...

Compact, ergonomic housing

4.3 inch color LCD display
(customer-specific programming)

Push buttons, rotary switches,
potentiometers, toggle switches,
key switch, etc. (different
combinations possible)



Push buttons on the side



Bottom contact surface for RFID card



Radiokey with individual customer-specific parameters

SMJ

Surface Mounted Joysticks (SMJ) allow for a defective joystick to be replaced without having to open the transmitter. Joysticks can be replaced directly on-site while the housing remains completely sealed, minimizing the risk of damage or contamination.

Proximity Detection

The **Radio Distance Guard** system is designed to automatically disable or stop equipment once the operator enters a defined danger zone around the machine. The Radio Distance Guard safely operates independent of weather conditions and creates a danger zone of approximately 6 meters.

Teach-In function

The **Teach-In** adjustment feature allows for customized response for each joystick for optimum safety and performance. Several adjustments can be made to each individual motion such as min/max values and joystick deadband adjustment.

Multi-user-system

Multi-user-system capabilities allow for radio communications between combinations of transmitters and receivers. One transmitter can work with several receivers, several transmitters can work with one receiver or combinations of transmitters and receivers working together is possible. Failsafe measures can be put in place to ensure only one operator is controlling the machine at any given time.

NBB battery system

NBB rechargeable batteries have a high energy density and self-cleaning contacts. NBB chargers use a thermally monitored high current charging cycle that optimizes charging and prevents overcharging.

LBT frequency search

With the **Listen before Talk (LBT)** feature, when the transmitter is switched on or when the frequency is changed, the transmitter checks to see whether the frequency channel is occupied by other RF sources. If the channel is occupied, the next frequency channel is automatically selected and checked until a clear frequency channel is found.

Data feedback

Information during operation via an LED or LCD display is possible including signal strength, machine function status or customized customer-specific information and company logos. Feedback alerts via a buzzer are also available.

Inclination sensor

The built-in tilt sensor can detect when the transmitter exceeds a preset tilt value. This feature can help identify when an operator has fallen and can place a machine in a safe state. This inclination feature can also be programmed to initiate other actions such as an alarm.

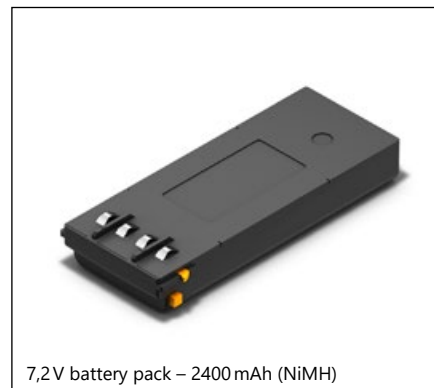
Radiokey

The Radiokey is an RFID device that stores parameters such as the safety code and configuration information. Removing the Radiokey from the original transmitter and inserting it into a replacement transmitter configures the replacement transmitter for immediate use and deactivates the original transmitter.



RFID card

The RFID card reader is used to identify the operator and can be used to enable the radio remote control.



7,2V battery pack – 2400mAh (NiMH)

NiMH rechargeable battery packs provide an operating time of <10h (<20h without display).



7,2V battery pack – 3500mAh (Li-Ion)

Li-Ion rechargeable battery packs provide an operating time of <15h (<24h without display) and offers optional recharging via the integrated USB-C interface.