

## PocketEvo

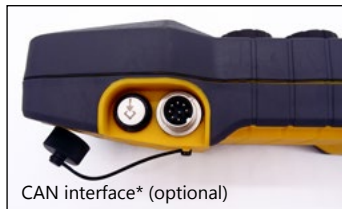


With the PocketEvo-Series NBB has developed a new generation of radio remote control for crane & machine control. The model impresses above all with its compact but extremely robust housing, the variety of functions and all models can be operated with one hand.

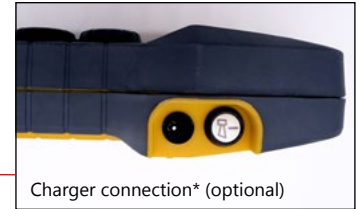
### > Operating elements

SMP push buttons	<ul style="list-style-type: none"> <li>- Up to 6 SMP push buttons</li> <li>- Up to 8 SMP push buttons</li> <li>- Up to 10 SMP push buttons</li> </ul>
SMP push button options	1 detent, 2 detent, 3 detent or proportional
Push buttons	<ul style="list-style-type: none"> <li>- 1x On/Horn</li> <li>- 1x Frequency Change</li> <li>- Up to 2 additional single detent</li> </ul>
Additional functions	Up to 2 of the following: Three position rotary switch and/or potentiometer
Cable control interface	1 x CAN I/O for machine control and feedback

Radiokey with individual customer-specific parameters (stored on an RFID tag)



2.2 inch TFT colour display (optional)



Compact, extremely robust housing

Rotary switches or potentiometers (optional)



PocketEvo-minor  
PocketEvo-media  
PocketEvo-magna

6, 8 or 10 proportional SMP push buttons, optionally 1, 2 or 3 detented

\* This means the loss of a slot for controls and can only be attached to SW1, SW2, SW3 or SW4.

### > Technology



SMP



Proximity Detection



Teach-In function



Multi-user system



NBB battery system



LBT frequency search



Data feedback

## Technical data

### > Technical information

Frequency range	419 MHz, 429 MHz, 434 MHz, 868 MHz, 915 MHz (depending on customer requirements and country-specific regulations)
RF power	≤ 1 mW, ≤ 10 mW, ≤ 25 mW (depending on frequency range and country-specific regulations)
Typical working range	≤ 100 m (depending on environmental conditions)
Frequency channel search, automatic	LBT-Modus (listen before talk) (depending on country and function configuration)
Antenna	Integrated
Typical response time of the control commands	Approx. 20 ms
LF modulation method	FSK/GFSK
Baud rate (depending on customer requirements)	9600 Baud (Bit/sec.)
Ø Current consumption (depending on the expansion level)	– With LED 7-segment display: approx. 70 mA – With LCD display: approx. 180 mA
Prewarning time „Battery empty“	Approx. 15 minutes
Data response (optional)	Customer specified information/feedback engines
Vibration response	Yes
LCD/TFT display	– Option 1: 7-segment display – Option 2: 2.2 inch TFT display (320 x 240px) with customized design
Energy saving function (stand by)	Standard: after 60 min. Optional: setting according to customer requirements (continuous operation possible)

### > Machine data

Ambient operating temperature	-20°C bis +70°C
Weight	– PocketEvo-minor: 630 g – PocketEvo-media: 700 g – PocketEvo-magna: 800 g
Dimensions (L x W x H)	– PocketEvo-minor: 257 mm x 93 mm x 60 mm – PocketEvo-media: 289 mm x 93 mm x 60 mm – PocketEvo-magna: 321 mm x 93 mm x 60 mm
Case material	Impact resistant glass fiber reinforced polyamide
Status display (7-segment, depending on the configuration)	1x (2 digits, only if without LCD display)

### > Equipment safety

CE certification	Yes
IP-Protection class	IP65
Data security	Addressing of each transmitter by unique bit combination
EMERGENCY STOP or STOP function	Yes (sending stop telegrams for 2 sec.)

### > Power supply

Power supply	– Option 1: Li-Ion battery (3.6VDC/2350mAh), pluggable – Option 2: 2x AA/LR6/Mignon battery or accu
Operating time	– At Option 1: up to 12 hours – At Option 2: up to 9 hours
Loading form	Externally, via a separate charger
Available for (UE)	230 VAC, 110 VAC, 12/24 VDC
Optional plug shape	EU, USA, JP, GB, AU