

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.

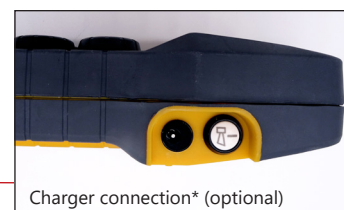
> Operating elements

SMP push buttons	<ul style="list-style-type: none"> – Up to 6 SMP push buttons – Up to 8 SMP push buttons – Up to 10 SMP push buttons
SMP push button options	1 detent, 2 detent, 3 detent or proportional
Push buttons	<ul style="list-style-type: none"> – 1x On/Horn – 1x Frequency Change – Up to 2 additional single detent
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)



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. 50 ms
LF modulation method	FSK/GFSK
Datarate	9,600 Baud (Bit/sec.)
Ø Current consumption (depending on the expansion level)	– approx. 70 mA (with LED 7-segment display) – approx. 180 mA (with LCD)
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 (320x240 px), customized illustration possible
Energy saving function (Standby)	Standard: after 60 min. Optional: Setting according to customer requirements (continuous operation possible)

Machine data

Ambient operating temperature	-20 °C up to +70 °C (AA/LR6/Mignon battery or accu) -20 °C up to +60 °C (Li-Ion battery)
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)

Equipment safety

CE certification	Yes
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/2,350mAh), pluggable Option 2: 2x AA/LR6/Mignon battery or accu
Operating time	Option 1: up to 12 hours Option 2: up to 9 hours
Loading form	Externally, via a separate charger
Charger available for (UE)	110VAC–230VAC, 12/24VDC
Plug form AC (adapter set)	EU, USA, JP, GB, AU
Plug form DC	Car charger plug