



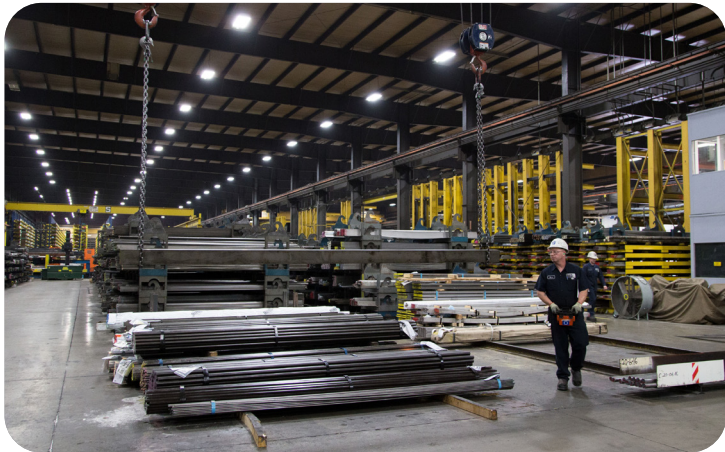
eco

The compact joystick controller now with the latest generation of high-performance HBC radio technology.



Scale 1:2

Quality in Control.

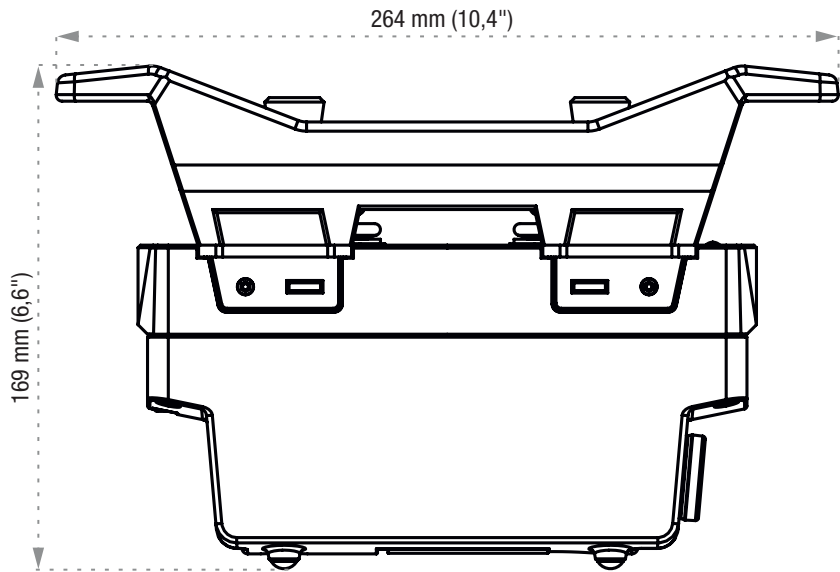
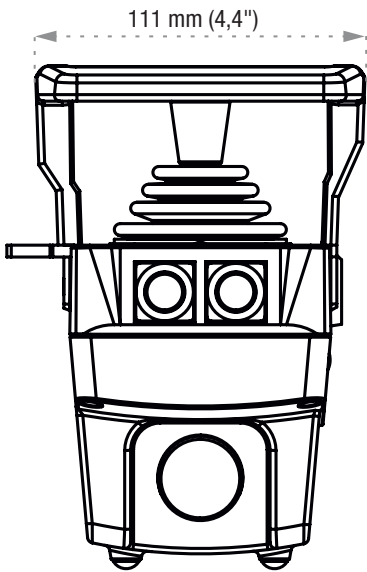


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Technical data



Radio transmitter	eco		
Combined with	FSE 507 / 510 / 512 / 516 / 524, FSE 726 / 727 / 736 / 737 radiobus®		
Control concepts	Point-to-point operation, catch-release, combined operation (tandem, trio, quattro), cable option		
Operating elements	Up to 2 joysticks; 2 positions for combination of push buttons and / or rotary switches (maintained / spring-return); 4 one-step push buttons on the sides; <i>optional</i> : 2 buttons on the frontside of the transmitter to extend the range of commands		
Control functions	Up to 16 control functions (on / off), up to 4 analog functions		
Indication	LED / acoustic signal / transmitter vibration: operating status, battery status		
Safety	E-STOP: PL d category 3 according to EN ISO 13849-1:2015 Protection from unauthorized use: activation via HBC start-up sequence or merlin® TUC Auto Power Off: automatic deactivation of the transmitter after 15 min without command input <i>optional</i> : Auto Movement Off: automatic deactivation of movement functions after 5 min without command input; shut-down on implausible control commands		
Enhanced safety functions	radiomatic® shock-off / zero-g / inclination switch; <i>optional</i> : radiomatic® infrakey, micro drive		
Feedback to the operator	Information and warnings via transmitter vibration or up to 20 LEDS (single color or 6 RGB LEDS)		
Service concept	radiomatic® iLOG, radiomatic® ADCON, teach battery for pre-setting of proportional functions		
Frequency ranges	ISM bands		
	country-specific use: 405 – 475 MHz 865 – 870 MHz 902 – 928 MHz	country-independent use: 2.4 GHz: 2402 – 2480 MHz	country-specific use: DECT: 1790 – 1930 MHz
Frequency management	Fixed frequency, radiomatic® AFS, Adaptive Frequency Hopping, DECT		
Antenna	Internal		
Battery technology	Rechargeable NiMH exchange battery; continuous operating time: typically 14 hours		
Charging time	< 5 h (typ.)		
Housing material	Plastic (PA6 GF30)		
Weight	1.5 kg (3.3 lb.)		
Operating temperature	-25 °C ... +70 °C		
Protection class	IP 65		



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The unbeatable quality of the HBC joystick in the smallest transmitter format: That is eco. With its new design, this proven device now offers the latest HBC radio technology and numerous innovative features. This makes the all-rounder the perfect choice for diverse applications, from industrial and construction cranes to mobile hydraulic applications to machines in agriculture and forestry.

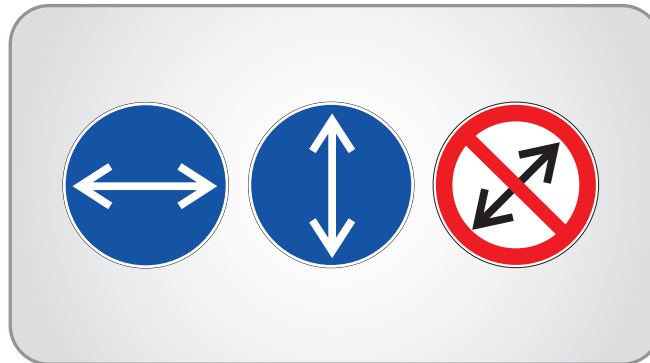
Valuable features and options at a glance:



Intelligent frequency management

First-class technologies for areas with high radio traffic

The transmitter is available with HBC's cutting-edge frequency management technologies and is, thus, the perfect choice for areas with many radio users or environments with frequently changing spectrum demands.



Micro / orthogonal drive

Reach your destination safely

During difficult maneuvers, these functions protect the operator from dangers resulting from driving too fast or unintended direction changes of the crane / machine.



merlin® TUC (Transmitter User Card)

Simple and safe management of access rights

merlin® TUC protects the control against unauthorized use. In addition, this card allows you to unlock or lock machine functions for each different operator.



radiomatic® iLOG

Service without downtime

This clever electronic key enables the quick activation of a spare transmitter if the original transmitter is damaged. This means service without expensive downtime.



High-performing rechargeable NiMH battery.



E-STOP.



Carrying with the hip belt.