

micron M

*Compact, user-friendly radio control
ideally suited for operating industrial
cranes and machinery.*



Scale 1:1.3

Quality in Control.

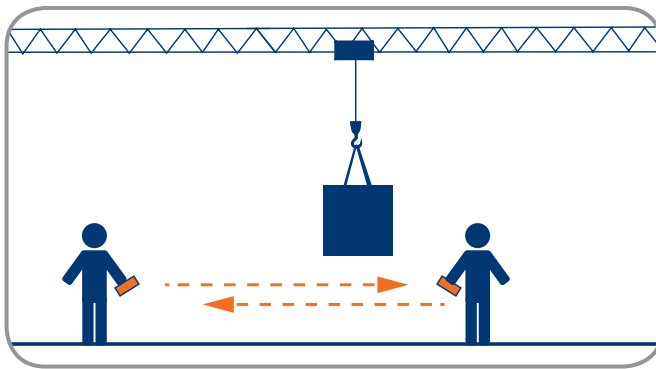


micron M

micron M is a compact handy radio control designed for industrial applications with three two-step drives. This quality, robust product is the perfect fit for demanding industrial use and offers many useful features. Radio control has never been that easy!



Your advantages at a glance:



Catch-release

Machine-sharing, efficient use, safe driving maneuvers

With the catch-release function, control of the machine can be transferred between two or more transmitters. This proven control feature offers many advantages and is automatically included in micron M.



Automatic frequency management with 2.4 GHz technology

Reliable operation in busy radio environments

HBC's state-of-the-art automatic frequency management comes standard with this transmitter.



Built-in rechargeable Li-ion battery with inductive charging

Power & Performance

Up to 30 hours with a single battery charge offers maximum flexibility when working with micron M.



radiomatic® zero-g / inclination switch

Intelligent protection in emergencies

These innovative features can be utilized to trigger safety functions on the machine.



Two LEDs

to indicate an available receiver to pair via HBC's merlin® technology

8 two-step HBC push buttons

for 3 two-step drives

Robust plastic housing

(protection class IP 65) with integrated rubber shock absorber

LED

for indication of operating / battery status

merlin® iLOG

for the quick activation of a spare transmitter

merlin® iLOG

Scale 1:1

merlin®



Discover the "magical" possibilities

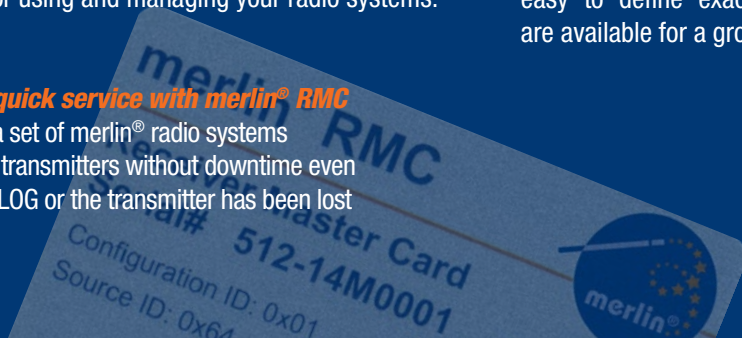
With micron M, the intelligent merlin® technology by HBC-radiomatic is included as standard. The merlin® RMC (Receiver Master Card) is the magic key. With this convenient card you can pair merlin® transmitters and merlin® receivers without effort. As such, merlin® opens up a whole new range of possibilities for using and managing your radio systems.

Flexibility and quick service with merlin® RMC

- ✓ Easily extend a set of merlin® radio systems
- ✓ Activate spare transmitters without downtime even if the merlin® iLOG or the transmitter has been lost

Safety and efficiency with merlin® TUC (optional)

merlin® TUC (Transmitter User Card) is the perfect addition to the merlin® technology. It serves as the key to protect the radio system from unauthorized use and can be configured for each operator. It is also easy to define exactly which functions are available for a group of operators.



Quality in Control.

Technical Data.

Radio transmitter	micron M
Combined with	FSE 512 merlin®
Control concepts	Point-to-point operation, catch-release
Operating elements	8 two-step push buttons
Control functions	Up to 16 control functions (on / off)
Indication	LED / transmitter vibration: operating / battery status, availability of the receiver for catching
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
Enhanced safety functions	radiomatic® zero-g / inclination switch; <i>optional</i> : access control via merlin® TUC
Service concept	merlin® iLOG / merlin® Receiver Master Card
Frequency ranges	Country-independent use in the ISM band: 2402 – 2480 MHz; channel spacing: 1 MHz; output power: max. 100 mW
Frequency management	Adaptive Frequency Hopping
Antenna	on-board, 2.15 dBi
Battery technology	Built-in rechargeable Li-ion battery; continuous operating time: typically 30 hours
Charging technology	Inductive charging, typical charging time < 4 h
Housing material	ABS / TPE
Dimensions / weight	176 x 63.25 x 47.5 mm (6.93" x 2.49" x 1.87") / 320 g (0.71 lbs.)
Operating temperature	-20 °C ... +70 °C (-13 °F ... +158 °F)
Protecting class	IP 65

