

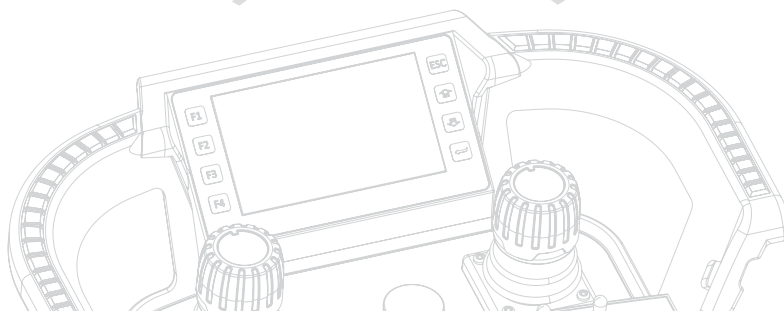


## New cooperation

In order to offer the market an all-in-one solution, MOBA Mobile Automation AG and NBB Controls + Components GmbH merged to pool their knowledge in the field of radio and control solutions.

The result is a product, that

- can be paired with all radio transmitters of NBB
- robust design for mobile applications
- I/O configurable via software
- CODESYS Version V3.5



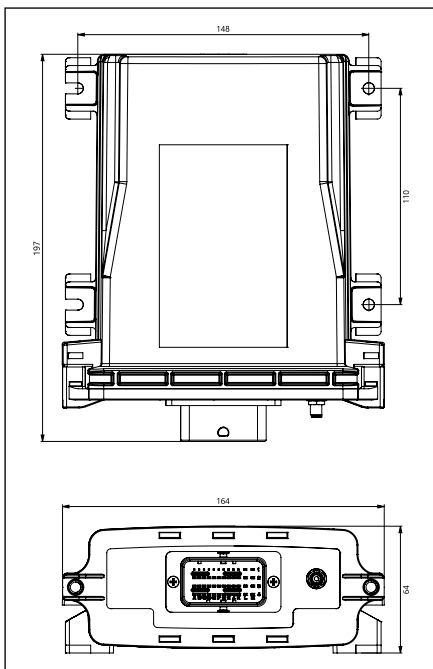
## Receiver MPC-RC 2.4

MPC-RC 2.4 is a powerful, flexible electronic control unit. It is designed with an automotive-style housing, resistant to extreme application conditions, such as humidity, vibrations, high temperature and mechanical loads. This is the flagship control unit of a new generation of controllers, which offers a greater flexibility and high level of security, to achieve a wide range of applications for mobile machine market.

The controller has been designed to fully respond the main international standards like IEC 61508 and ISO/EN 13849, so that hardware is compliant to CAT III (EN 13849) and could be used to develop software applications that meets the requirements for SIL 2 (Safety Integrity Level 2) or PL d (Performance Level d).

MPC-RC 2.4 supports any CAN-BUS standard protocol (two independent CAN lines) programmable using CoDeSys V3.5. The product consists of two CPUs, for application execution on two completely independent (and redundant) channels, where each of the CPUs check the other one continuously, constantly monitoring the status of inputs and outputs for safety reasons.

## Technical data (preliminary)



### Specifications

Power Supply	8 – 32 VDC
Frequency	2.4 GHz
Microprocessor	2x CPU 32 bit – ARM
Programmability	CoDeSys V3.5
Inputs	2x6 Digital/Analog Programmable
Outputs	2x6 Digital/PWM Programmable
Interface	2x CAN-BUS ISO 11898 24V
Connector	Molex CMC 48
Architecture	ready to be PL d compliant
Antenna	Standard: Integrated Optional: External
Ambient operating temperature	-25°C up to +70°C
Weight	620g
Dimensions (L x W x H)	197 mm x 164 mm x 64 mm
Case	Phoenix ECS
Case material	PC (UL 94: V0)
CE certification	Yes
Protection class	IP65