

## Receiving units



Autec receiving units can be matched with different transmitters, depending on specific needs: AC and DC power supply, installation inside electrical panels or outdoor, availability of optional cards to provide additional commands and functions. Custom wiring available upon customer specifications.

## ACS technology with data communication, for the Modular series

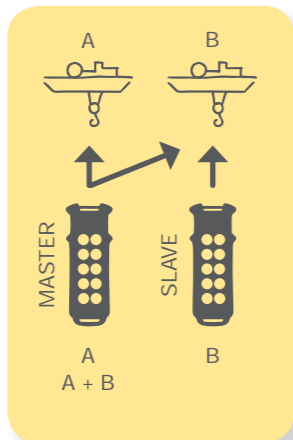
ACS (Automatic Channel Search) technology makes it easier to work in places where several radio devices are operating. ACS radio remote controls use two-way radio modules that automatically move to a free working frequency if interference or disturbance occur. Two-way communication also makes it possible to send signals collected by the machine, and to display them on the transmitter.



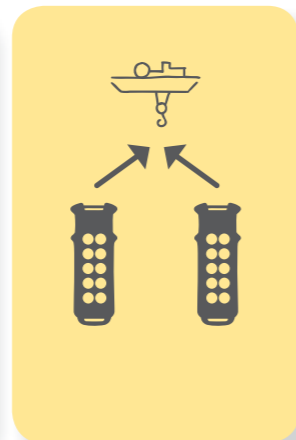
## Multiple systems

Modular series radio remote controls provide multi-transmitters or multi-receivers systems, to solve special working situations while preserving full safety at work.

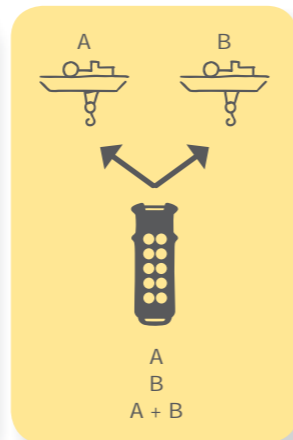
**Master/Slave:** used to control two machines simultaneously or individually with the Master transmitting unit; the Slave transmitter can only control the second machine.



Master & Slave



Take & Release



Tandem

**Take & Release** solves the problems related to the transfer of control from one transmitting unit to the other when two different working stations are present.

**Tandem:** used to control two machines either independently or in tandem mode.

INDUSTRIAL LIFTING DEPLIANT ENG 2\_05/12

Autec remote control systems keep your people safe in challenging environments



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Design, manufacture and service of remote control systems for safety industrial application



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**autec**  
safety remote control



*Proven protection for your people*

safety remote controls  
for overhead cranes, hoists, winches,  
magnets and underhook attachments



## Know how

Since its foundation, 25 years ago, Autec activity is entirely committed to designing, manufacturing and selling radio control systems for safety critical applications. Experience gained in satisfying the most demanding needs in industrial environments and building sites translates into state-of-the-art solutions providing high safety and reliability performances.

Autec's hallmark has always been a special commitment to functional safety. This philosophy is reflected in all stages of design, test, configuration and prod-

uct manufacturing. Safety functions of our radio remote controls are tested and certified by the most competent bodies (TÜV Süddeutschland) and comply with the strictest international standards. The design process of any new radio remote control is compared against the original requirements at each development stage. Production employs standardised processes with automated tests and inspections at the most important stages of manufacturing, thus ensuring that the product fully meets original requirements and provides top quality.



## Tested to resist extreme conditions



The environment surrounding industrial lifting applications can often be rather challenging. This is why Autec radio remote controls are engineered so as to resist heavy duty and demanding usage conditions. Every electronic module undergoes tests in temperature chambers: their function and correct operation even in extreme working conditions are tested.



Safety and reliability of radio remote controls are reflected in complete protection for users, even in the most difficult and demanding working conditions.



Radio remote controls are tested with fall tests to check their resistance and strength.



Transmitting units provide IP65 protection degree from dust and water and do not fear weather, wear and tear.



Plastics are made of PA6; this material provides high resistance to chemical agents (oils, solvents, diluents) typical to some industrial environments.

## Safety

Autec's know-how, gained in twenty-five years' experience, along with a safety-oriented and innovation driven company philosophy, are reflected in solutions employing "state-of-the-art" functional safety measures. Autec wireless control systems concretely reduce risks for operators and the environment, and anticipate future regulatory and market requirements.

Stop protection (EN ISO 13849-1)

PL d  
cat. 3 (Light and Modular series)

Protection against unintended movement of the actuators from the standstill position (UMFS) (EN ISO 13849-1)

PL c  
cat. 2 (Light series), cat. 3 (Modular series)

## Main features

4 to 12 keys available for pushbutton handsets or 12 to 20 main commands for joystick controllers + Start and Stop. Twelve to forty-hour working autonomy (continuous use at 20°C), depending on the model. Data Feedback option displays data coming from the machine (text, measurements, graphic icons) on an LCD display or through LEDs.



### AIR

Available versions:  
A4, A6 and A8

Max. 12 on/off commands  
Dimensions: 64.5x179x37.5 mm  
Weight: 250 g



### LK

Available versions:  
LK 4, LK 6 and LK 8

Max. 14 on/off commands  
Dimensions: 80x185x43 mm  
Weight: 420 g



### MK

Available versions:  
MK 06, MK 06-DF, MK 08,  
MK 10, MK 10-DF, MK 12

Max. 28 on/off commands  
Dimensions: 85x260x56 mm  
85x210x56 mm  
Weight: max. 650 g



### MJ

Available versions:  
MJ 01, MJ 02, MJ 03  
MJ 04 and MJ DF

Max. 20 on/off commands  
Dimensions: 255x170x126 mm  
Weight: 1.3 kg



Autec radio remote controls are designed so as to bring or maintain the machine in a safe state in case of single failure in the radio remote control.



Transmitting units are light and ergonomic, so that they can be used for long time without being tiring for operators.



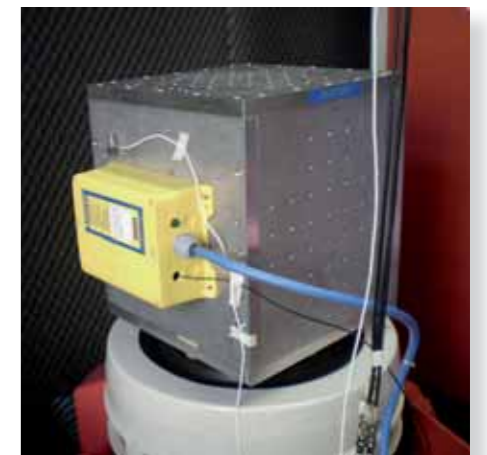
Radio remote controls allow to choose the best working position, to take advantage of a better point of view and improved working comfort (i.e. far from unpleasant situations, high temperature, smells...).



Autec radio remote controls use proprietary, high-integrity coding systems that only enable communication between devices with the same code.



Using safe and certified products also proves to be profitable from an economical point of view: risk reduction also reflects into drop of costs due to accidents, insurance, machine downtime...



Receiving unit undergoing vibration tests



Transmitting unit after years of intensive usage