

moovo



## MOOVO, BEAUTIFULLY PRACTICAL

**Moovo is the latest automation system for gates and garage doors: sturdy, practical, with a clear-cut, functional and ergonomic design.**

Moovo can be installed anywhere, even in areas not reached by the electrical mains, thanks to **photovoltaic power supply**, saving the normal time and costs involved in excavation work.

The installation of Moovo is incredibly simple even for the unskilled, with no need to observe polarity and using just two wires for power supply and communication signals, thanks to the BUS Technology.

Complete kits ready to use, to avoid the need to install expensive and complex domotics systems.



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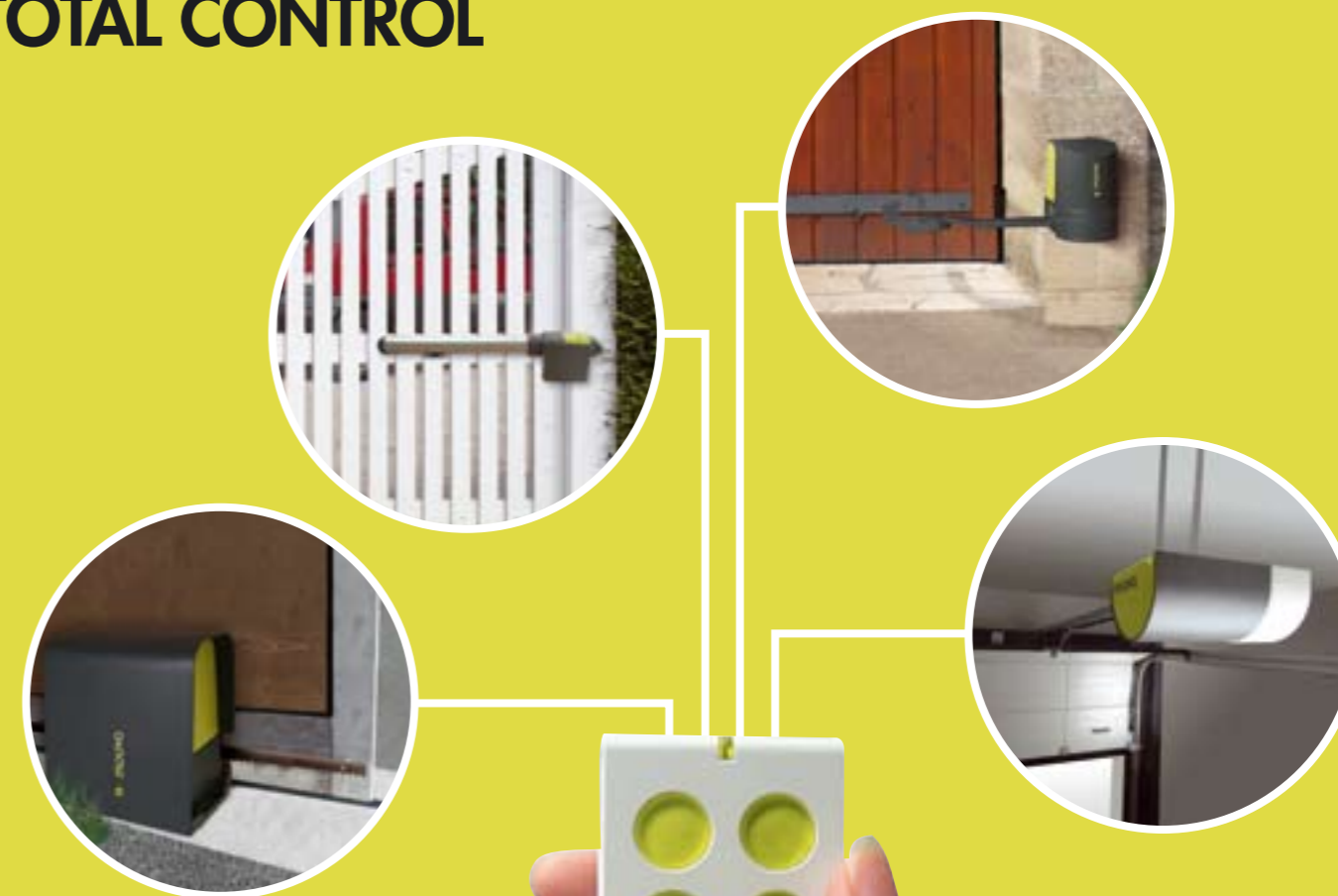
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# MOOVO, TOTAL CONTROL



| MT4  
Portable transmitter

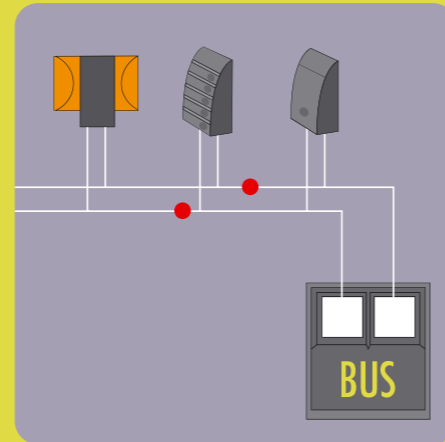
## Convenience at your fingertips

Just one touch is enough to manage all entrances, separately, all together or in groups, from any point of the building, and also nearby.


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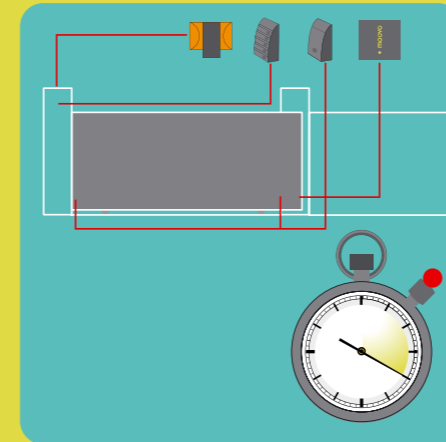
# SIMPLE, SAFE AND PRACTICAL

Systems equipped with advanced technology and practical designs to facilitate the installer's work and make operation easy for all, in total safety.




## BUS TECHNOLOGY

 Just two wires to convey signals both for communication and electric power supply; sufficient to connect all devices with no need to observe polarity.




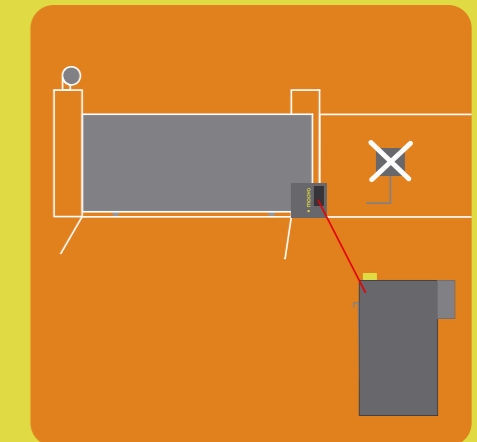
## QUICK INSTALLATION

 Programming is now quick and simple thanks to the BUS Technology and the single built-in control unit for all products in the Moovo range.




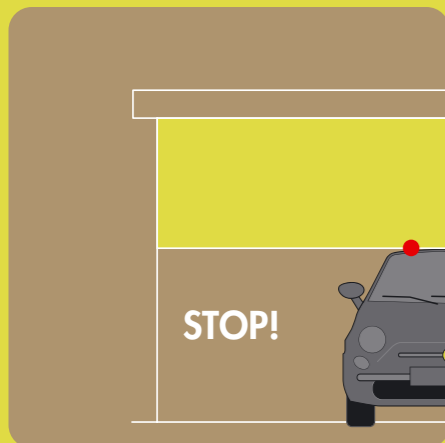
## BACK-UP BATTERY

 The buffer battery (optional accessory) ensures opening and closing manoeuvres also in the event of a power failure and can be connected by means of a simple quick connector.




## BUILT-IN CONTROL UNIT

 The built-in control unit is used for all products to guarantee time-saving procedures and simpler use in the phases of programming and maintenance.




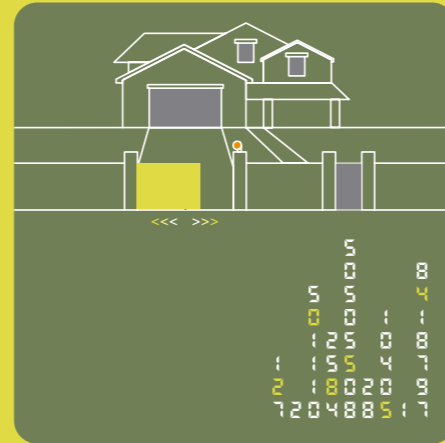
## OBSTACLE DETECTION

 Automatic detection of obstacles and controlled deceleration on opening and closing.




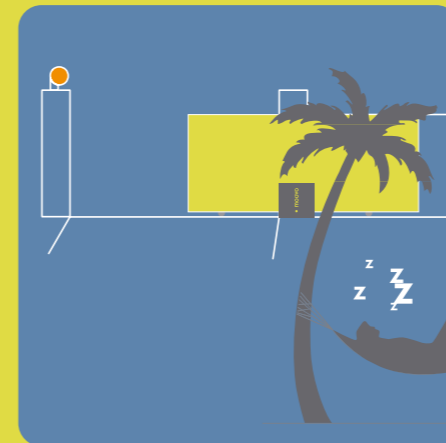
## SECURITY CODE

 The variable Rolling Code process guarantees total security against possible cloning of the transmitter.




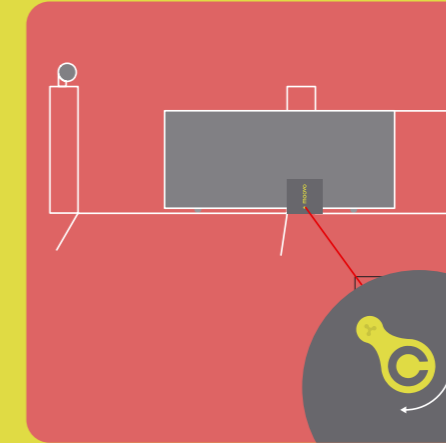
## SELF-PROGRAMMING

 During installation, a simple key enables self-learning of the travel limit positions.




## SUPER-SILENT

 Operation of the motors in the Moovo range is exceptionally silent with no disturbance to everyday work in the vicinity.



## MANUAL RELEASE

 In the event of a power failure the automation can be released to enable simple and quick manual movement of the gate or garage door.



## MOOVOSUN WIRELESS ENERGY

### INSTALLABLE ANYWHERE

Without the need for excavations or connections to the electrical mains, even in locations far away or difficult to access

### ECONOMICAL AND ECOLOGICAL

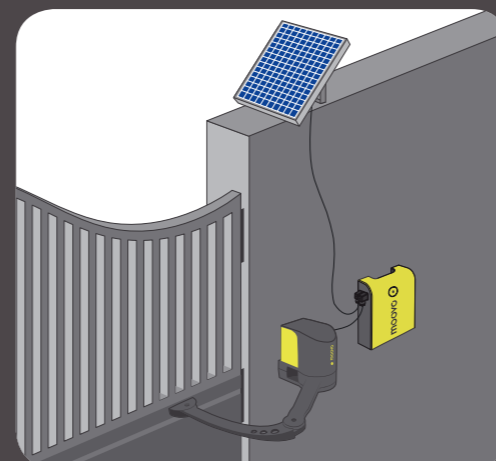
Thanks to solar energy, free and clean: an ecological and intelligent choice with short term benefits

### LOW CONSUMPTION WITH NO RISK OF BLACKOUTS

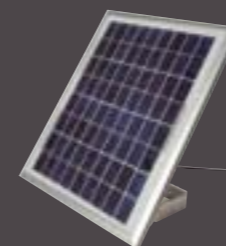
The energy reserve levels, combined with low consumption of the automations, guarantee operation even in prolonged overcast weather conditions

MoovoSun uses solar energy, replacing the electrical mains as the source of power for automating a gate, even if located far from the electrical mains, with no need for excavations for necessary connections. The battery, recharged by the solar panel\*, provides a reserve of energy for a great number of manoeuvres.

\*rechargeable also via the power mains, using the optional power supply unit MBC



### Solar power kit for gate automations



Photovoltaic solar panel



Box for battery



Battery charger



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# MOOVO COLLECTION

A single table, clearly summarising the contents of each kit and accessories that can be added as required.

The "Basic" kit offers the essential elements to automate your gate or garage door, while "Premium" is a more comprehensive kit, but still extremely simple to install.



## Sliding gates

For leaves up to 5 m and weighing up to 300 kg

LN432Be

Basic

LN432Pe

Premium

## Swing gates

Screw worm

For leaves up to 1.8 m width and weighing up to 180 kg for leave; up to 2 m height

XW432Be

Basic

XW432Pe

Premium

For leaves up to 2.5 m width and weighing up to 250 kg for leave; up to 2 m height

XW532Be

Basic

XW532Pe

Premium

## Articulated arm

For leaves up to 1.8 m width, up to 2 m height, each leaf 250 kg weight

XA432Be

Basic

XA432Pe

Premium

## Garage doors

For a sectional door up to 3.5 m in width and up to 2.12 m high or spring or counterweight up-and-over doors up to 3.5 m in width and up to 2.6 m high

TS432B

Basic

TS432Be

Basic

### VERSION

Gear motor

Portable transmitter

Wall transmitter

Digital selector via radio

Digital selector via BUS

Photocells wire connection

Photocells via BUS

Photocells post

Flashing light

Rack

Kit for sectional doors (MA - MU)

Preset for battery

Preset for MoovoSun

● Included

○ Optional

■ MoovoSun

## MOTORS: STURDY AND SAFE

The Moovo motors are sturdy, reliable, compact in size and guarantee constantly perfect movements in complete safety.

All Moovo motors for gates automation are equipped with integrated universal control units.

### SWING GATES

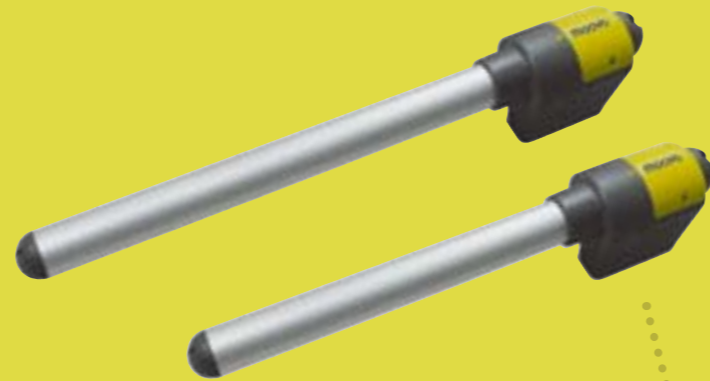


#### XA Series – Articulated arm

Electromechanical gear motor with built-in control unit and receiver, fixing brackets, compartment for housing buffer battery.

For leaves up to 1.8 m width, up to 2 m height, each leaf 250 kg weight.

XA is ideal for gates with very deep pillars, which can be easily operated thanks to its articulated arm. Its smooth and precise movements make it suitable for the most delicate of gates.



#### XW Series – Screw worm

Electromechanical gear motor with built-in control unit and receiver, fixing brackets, compartment for housing buffer battery.

Available in 2 version:

##### XW4

For leaves up to 1.8 m width and weighing up to 180 kg for leave; up to 2 m height;

##### XW5

For leaves up to 2.5 m width and weighing up to 250 kg for leave; up to 2 m height.



### SLIDING GATES

#### LN series

Electromechanical gear motor with built-in control unit and receiver, supplied base plate, compartment for housing buffer battery.

For leaves up to 5 m and weighing up to 300 kg.

### GARAGE DOORS



#### TS Series

Electromechanical gear motor with built-in control unit and receiver, guides with simple connectors, limit switch and obstacle detection system.

For a sectional door up to 3.5 m in width and up to 2.12 m high or spring or counterweight up-and-over doors up to 3.5 m in width and up to 2.6 m high.

#### MCI1

An integrated universal control unit for all Moovo gate products.



## ACCESSORIES

A set of accessories with a coordinated design completes the automation system according to personal requirements and tastes.



### TRANSMITTER

**MT4 - Portable transmitter**  
miniaturized 4 keys variable code with 433.92 MHz transmission frequency and self-learning function.



**MTI4 - Recessed transmitter**  
miniaturized 4 keys variable code with 433.92 MHz transmission frequency and self-learning function.  
Possibility of connecting up to 4 push buttons (optional) for cable control of automations.

**TOTAL SECURITY**  
Ensured by the variable code with 18 billion billion combinations!

**UNCLONABLE**  
The code varies with each transmission according to an algorithm that masks the code and does not show any relation with the following ones, which can only be recognized by the Moovo receiver: the same technology used in burglar systems.



### DIGITAL SELECTOR

**MK | MKR - Alphanumeric selector**  
with 4+1 keys with Moovo BUS Technology (MK) or via radio (MKR).

**STURDY**  
Plastic casing, IP44.

**EASY**  
Direct and programmable command via Moovo BUS.

**KEY-PAD THAT IS BACKLIT**  
in poor light conditions.



### PHOTOCELLS

**MP | MPQ - Pair of photocells**  
wall-mounted and auto-synchronized with Moovo BUS Technology (MP) or wire connection (MPQ).

**EASY INSTALLATION**  
Up to 6 pairs of photocells can be installed without worrying about their proximity.

**MAXIMUM SECURITY**  
Electronics protected by a second plastic casing to prevent damage during installation. The anti-dazzle circuit protects you from blinding glares generated by the sun or other powerful light sources.

**COMFORT**  
Very simple alignment thanks to the LED signal with proportional flashing.

**STURDINESS**  
Extra thick polycarbonate body.

### PHOTOCELL POSTS

**MPT5 - Pair of photocell posts**  
With connector guide for easy and quickly photocell fixture.



### FLASHING SIGNAL LIGHT

**MF - Adjustable flashing light**  
with integrated aerial, 433.92 MHz frequency and Moovo BUS Technology.

**EASY INSTALLATION**  
Can be mounted in any position using the base designed for wall or horizontal installation.

**MAXIMUM SECURITY**  
High efficiency lenses optimize visibility.

**COMFORT**  
Easy accessibility and replacement of the powerful lamp used in the automotive industry.

**DURABILITY**  
Shock-resistant polycarbonate structure.



## ACCESSORIES



### BATTERY

**MB | ME - Emergency battery**  
at 12 V (MB) for gates motors  
or at 24 V (ME) for garage doors motors.



### RACK

**MR1 - Nylon gear rack**  
2 pieces x 500 mm.



### RELEASE KIT

**MU - Kit for external release**  
using steel cord (for garage doors).



### OSCILLATING ARM

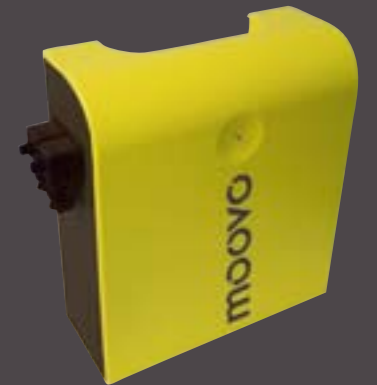
**MA - Oscillating arm**  
sliding on bearings.  
Compulsory for counter balanced  
overhead doors.

## ACCESSORIES MOOVOSUN



### PHOTOVOLTAIC SOLAR PANEL

**MSP - Photovoltaic solar panel**  
10 W, for 12 V power supply.  
Dimensions 36.7 x 28.5 cm;  
brackets included.



### BOX BATTERY

**MBB - Box battery**  
12 V 20 Ah, with carry handle.  
Dimensions 23.5 x 25.8 x 9.4 cm.  
Luminous and acoustic signals to indicate  
battery charge status.



### BATTERY CHARGER

**MBC - Battery charger power  
supply unit**, for MBB Moovo.  
Power supply 90-260 V;  
50/60 Hz. Power 60 W.

## MOOVO; CLOSER TO YOU

**A host of ideas to improve the quality of your work.**  
Moovo provides various kinds of support when making your selection, during installation and for assistance:

- technical product data sheets;
- complete and detailed instruction manuals;
- telephone help line;
- service centres with guarantee of repairs and prompt intervention;
- **www.moovo.com**: for those seeking technical information on installation, repairs and assistance.



Product sheets



www.moovo.com



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