PORTUGAL

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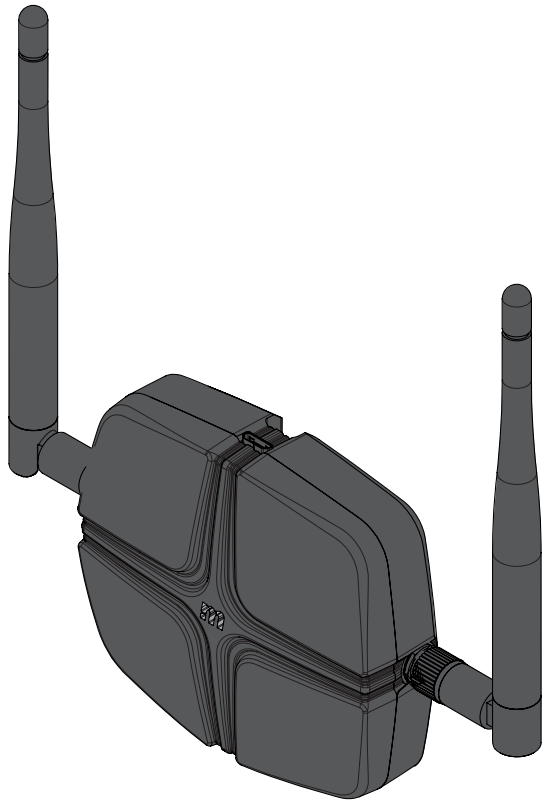
MCONNECT BRIDGE

USER'S AND INSTALLER'S MANUAL



Motorline® PROFESSIONAL

v1.2
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01. SAFETY INSTRUCTIONS

ATTENTION:

CE	This product is certified in accordance with European Community (EC) safety standards.
RoHS	This product complies with Directive 2011/65/EU of the European Parliament and of the Council, of 8 June 2011, on the restriction of the use of certain hazardous substances in electrical and electronic equipment and with Delegated Directive (EU) 2015/863 from Commission.
	(Applicable in countries with recycling systems). This marking on the product or literature indicates that the product and electronic accessories (eg. Charger, USB cable, electronic material, controls, etc.) should not be disposed of as other household waste at the end of its useful life. To avoid possible harm to the environment or human health resulting from the uncontrolled disposal of waste, separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Home users should contact the dealer where they purchased this product or the National Environment Agency for details on where and how they can take these items for environmentally safe recycling. Business users should contact their vendor and check the terms and conditions of the purchase agreement. This product and its electronic accessories should not be mixed with other commercial waste.
	This marking indicates that the product and electronic accessories (eg. charger, USB cable, electronic material, controls, etc.) are susceptible to electric shock by direct or indirect contact with electricity. Be cautious when handling the product and observe all safety procedures in this manual.

01. SAFETY INSTRUCTIONS

GENERAL WARNINGS

- This manual contains very important safety and usage information. very important. Read all instructions carefully before beginning the installation/usage procedures and keep this manual in a safe place that it can be consulted whenever necessary.
- This product is intended for use only as described in this manual. Any other enforcement or operation that is not mentioned is expressly prohibited, as it may damage the product and put people at risk causing serious injuries.
- This manual is intended firstly for specialized technicians, and does not invalidate the user's responsibility to read the "User Norms" section in order to ensure the correct functioning of the product.
- The installation and repair of this product may be done by qualified and specialized technicians, to assure every procedure are carried out in accordance with applicable rules and norms. Nonprofessional and inexperienced users are expressly prohibited of taking any action, unless explicitly requested by specialized technicians to do so.
- Installations must be frequently inspected for unbalance and the wear signals of the cables, springs, hinges, wheels, supports and other mechanical assembly parts.
- Do not use the product if it is necessary repair or adjustment is required.
- When performing maintenance, cleaning and replacement of parts, the product must be disconnected from power supply. Also including any operation that requires opening the product cover.
- The use, cleaning and maintenance of this product may be carried out by any persons aged eight years old and over and persons whose physical, sensorial or mental capacities are lower, or by persons without any knowledge of the product, provided that these are supervision and instructions given by persons with experienced in terms of usage of the product in a safe manner and who understands the risks and dangers involved.
- Children shouldn't play with the product or opening devices to avoid the motorized door or gate from being triggered involuntarily.

WARNINGS FOR TECHNICIANS

- Before beginning the installation procedures, make sure that you have all the devices and materials necessary to complete the installation of the product.
- You should note your Protection Index (IP) and operating temperature to ensure that is suitable for the installation site.
- Provide the manual of the product to the user and let them know how to handle it in an emergency.
- If the automatism is installed on a gate with a pedestrian door, a door locking mechanism must be installed while the gate is in motion.
- Do not install the product "upside down" or supported by elements do not support its weight. If necessary, add brackets at strategic points to ensure the safety of the automatism.
- Do not install the product in explosive site.
- Safety devices must protect the possible crushing, cutting, transport and danger areas of the motorized door or gate.
- Verify that the elements to be automated (gates, door, windows, blinds, etc.) are in perfect function, aligned and level. Also verify if the necessary mechanical stops are in the appropriate places.
- The central must be installed on a safe place of any fluid (rain, moisture, etc.), dust and pests.
- You must route the various electrical cables through protective tubes, to protect them against mechanical exertions, essentially on the power supply cable. Please note that all the cables must enter the central from the bottom.
- If the automatism is to be installed at a height of more than 2,5m from the ground or other level of access, the minimum safety and health requirements for the use of work equipment workers at the work of Directive 2009/104/CE of European Parliament and of the Council of 16

01. SAFETY INSTRUCTIONS

September 2009.

- Attach the permanent label for the manual release as close as possible to the release mechanism.
- Disconnect means, such as a switch or circuit breaker on the electrical panel, must be provided on the product's fixed power supply leads in accordance with the installation rules.
- If the product to be installed requires power supply of 230Vac or 110Vac, ensure that connection is to an electrical panel with ground connection.
- The product is only powered by low voltage satefy with central (only at 24V motors)

WARNINGS FOR USERS

- Keep this manual in a safe place to be consulted whenever necessary.
- If the product has contact with fluids without being prepared, it must immediately disconnect from the power supply to avoid short circuits, and consult a specialized technician.
- Ensure that technician has provided you the product manual and informed you how to handle the product in an emergency.
- If the system requires any repair or modification, unlock the automatism, turn off the power and do not use it until all safety conditions have been met.
- In the event of tripping of circuits breakers of fuse failure, locate the malfunction and solve it before resetting the circuit breaker or replacing the fuse. If the malfunction is not repairable by consult this manual, contact a technician.
- Keep the operation area of the motorized gate free while the gate in in motion, and do not create strength to the gate movement.
- Do not perform any operation on mechanical elements or hinges if the product is in motion.

RESPONSABILITY

- Supplier disclaims any liability if:
  - Product failure or deformation result from improper installation use or maintenance!
  - Safety norms are not followed in the installation, use and maintenance of the product.
  - Instructions in this manual are not followed.
  - Damaged is caused by unauthorized modifications
  - In these cases, the warranty is voided.

SYMBOLS LEGEND:

- Important safety notices

- Potentiometer information

- Useful information

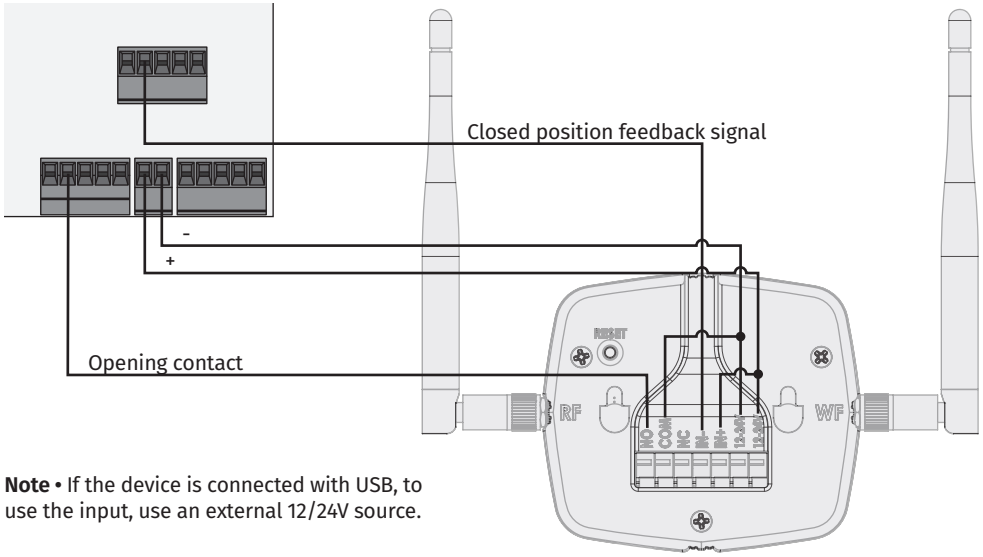
- Connectors information

- Programming information

- Buttons information

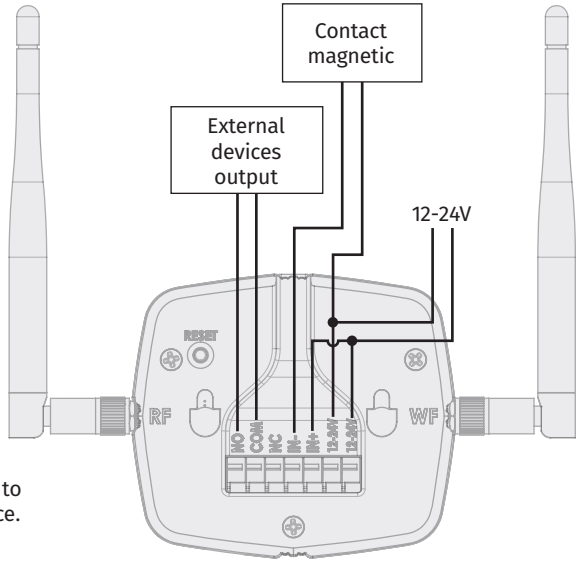
02. CONNECTIONS SCHEME

CONNECTION TO A MOTORLINE CONTROL BOARD



Note • If the device is connected with USB, to use the input, use an external 12/24V source.

MAGNETIC CONTACT CONNECTION



Note • If the device is connected with USB, to use the input, use an external 12/24V source.

03. CONTROL BOARD

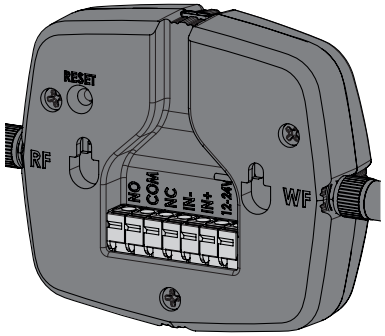
MCONNECT BRIDGE

MCONNECT BRIDGE was developed to connect mobile devices (smartphone) and all Motorline automatisms in a home.

Advantages of using MCONNECT:
• Control anywhere with multiple devices, as long as they are compatible with Motorline remote controls (Rolling Code and Fixed Code);
• Wireless radio communication up to 15 different devices, each with up to 4 buttons;
• Input for checking the device status (open or closed) using an external sensor (example: magnetic contact);
• Relay output to connect directly by wires to any type of device;
• Setting up routines for devices, such as opening the gate at 9:00 am and closing the gate at 5:00 pm;
• Synchronization with virtual assistant (Alexa and Google Assistant);
• Power via Micro USB cable or transformer (with wire).

The voice assistant (Google Assistant and Alexa) only controls BRIDGE commands if a scenario for that command is created.

GRAPHIC DESCRIPTION

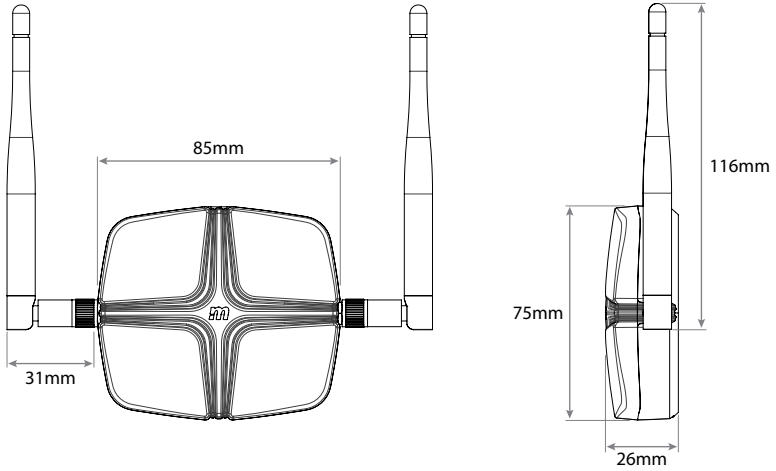


NO	Contact NO
COM	Common
NC	Contact NC
IN-	Common input
IN+	Input (12/24Vdc)
12-24V	Power Supply input

LEDs	• Flash in purple	Pairing mode (It is waiting to be added)
	• Red	No network
	• Flash in red	Lost connection to the cloud
	• Blue	Successfully connected to the local network, but not yet connected to the cloud
	• Flash in blue	Upgrading Firmware
	• Green	Connected to the cloud

03. CONTROL BOARD

TECHNICAL SPECIFICATIONS

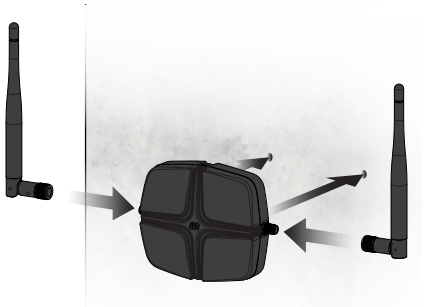


• Power Supply	12/24V ac/dc or Micro USB
• Output relay power	30Vdc 1A
• Input	12/24Vdc
• RF communication distance	100m open field
• Wi-Fi range	50m open field
• Type of relay contact	Tension free

04. INSTALLATION

DEVICE FIXATION

1 • Connect antennas in accordance with:
WF: WiFI
RF: radio frequency

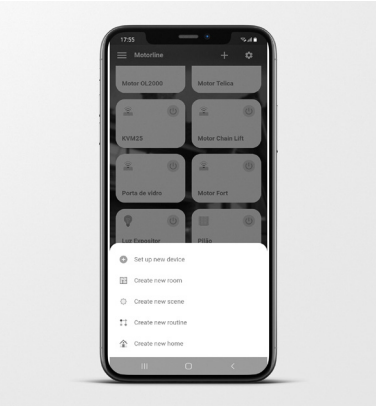


2 • Fix the MCONNECT Bridge to the wall.
Note • Use the fixing template shipped with the product.

05. CONFIGURATION

ADD MODULE IN IN THE APP

1 • Open **MCONNECT** app.
2 • ***Login***.
3 • On the home page press the "+" button at the top right.
4 • Press ***Add new MCONNECT***.
5 • Accept all requested permissions.
6 • Turn on the power.
7 • Check that the module is in pairing mode (flashing purple).
Note • if it is not in pairing mode it is necessary to reset.
8 • Read the QR Code on the module box.
9 • If you prefer or don't have the QR Code, can change the button to ***Scan nearby*** and select the module in the devices found.
10 • Enter the name and password of the Wifi network you are connected to.
11 • Wait for add process be complete.

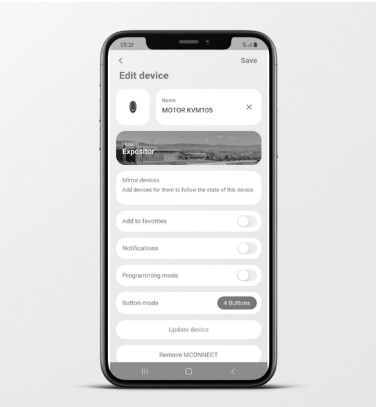


ADD EXTERNAL DEVICES TO MODULE

1 • Open the ***MCONNECT*** app.
2 • ***Login***.
3 • On the external device, for example in an automation, enter the programming mode for new remote controls.
4 • In the app, press the remote control you want to program and then the desired key until the motor starts moving.
5 • The programming is complete and you can now control the device through the app.

REMOVE MODULE FROM THE APP

1 • Press on the device you want to remove.
2 • Press on the icon with a gear symbol on the upper right side of the screen.
3 • Press ***Remove MCONNECT***.
4 • Confirm.

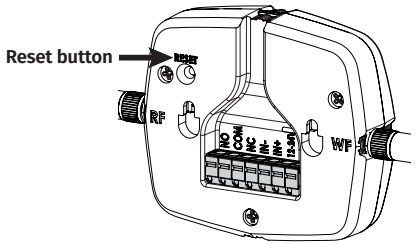


05. CONFIGURATION

RESET

When resetting, the device is no longer connected to the account it is associated with in the application.

Press the reset button until the LED changes to pairing mode (flashing purple), which will confirm successful operation.



06. TROUBLESHOOTING

INSTRUCTIONS FOR FINAL CONSUMERS/TECHNICIANS

PROBLEM	SOLUTION
The LED reader does not light up	Check that the power is connected correctly.
The module is not in pairing mode (LED flashing purple) and I haven't configured it yet	Press the Reset button located on the back of the module, until it switches to pairing mode.
The module has the red LED	Make sure the network you configured the module on is available. Check if you have coverage of the network to which the module is connected. Check if the network you have configured the module has Internet access.
The module has the blue LED	Check if the network you configure the module has Internet accesst.
The output does not change state	Check that the connections are correct.
The switch does not change the state output	Make sure the connections are correct. Check that the input has between 12 and 24V when active.