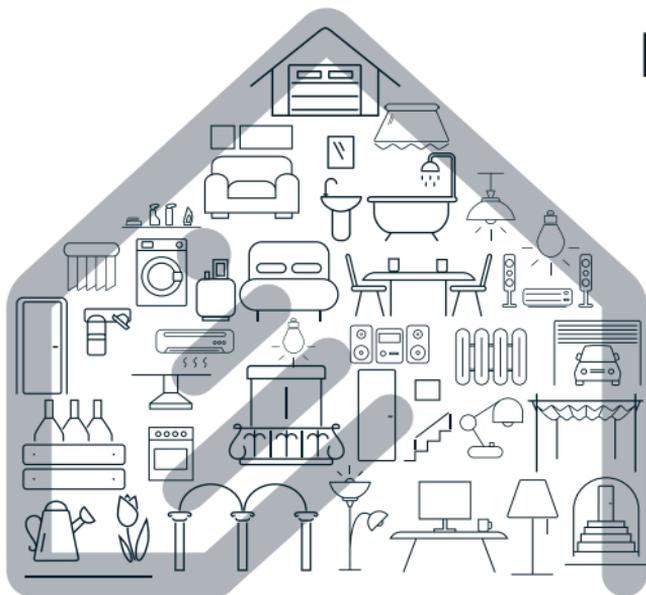


CHERUBINI

tocco italiano dal 1947

MAGO



La Domotica Bluetooth **I**

Bluetooth Domotics **GB**

Bluetooth-Domotik **D**

La domotique Bluetooth **F**

La Domótica Bluetooth **E**



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ANDROID APP ON
Google play



ISTRUZIONI - INSTRUCTIONS - EINSTELLANLEITUNGEN
INSTRUCTIONS - INSTRUCCIONES

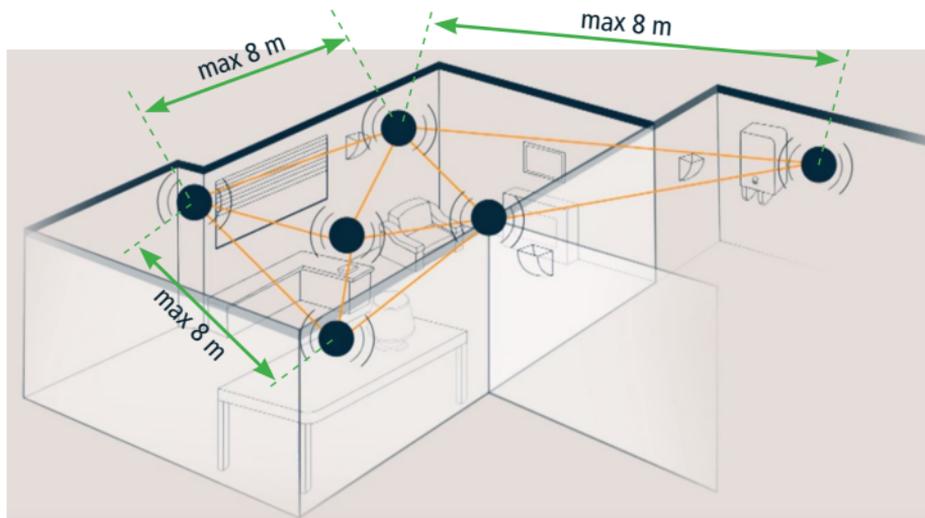
DISPOSIZIONE IMPIANTO IN APPARTAMENTO

SYSTEM LAYOUT IN THE APARTMENT

ANORDNUNG DES SYSTEMS IN DER WOHNUNG

POSITIONNEMENT DE L'INSTALLATION DANS L'APPARTEMENT

DISPOSICIÓN DE LA INSTALACIÓN EN UN APARTAMENTO



La distanza massima tra i vari dispositivi non deve superare 8 metri.

The maximum distance from one device to the next should not exceed 8 metres.

Der Abstand zwischen den einzelnen Geräten darf nicht mehr als 8 m betragen.

La distance maximale entre les différents dispositifs ne doit pas excéder 8 mètres.

La distancia máxima entre los distintos dispositivos no debe ser superior a 8 metros.

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INTRODUCTION

MAGO is a system consisting of various devices connected to each other via Bluetooth in a mesh network. The system can be expanded adding other devices at any time; this allows considerable distances to be covered - even across different floors. The system is only accessible via the MAGO application downloaded to a smartphone. The data exchanged on the system are encrypted and can only be accessed from MAGO devices using the system password, or from smartphones with access authorisation. This makes of MAGO a highly secure system protected from unauthorised access.

MAGO DEVICES:

Device	Positioning	Specialisation	CH motor compatibility
MAGO Switch	Wall-mounted with built-in box	Shutter, Awning, Screen, Venetian blind	Standard wiring
MAGO Control unit	Flush-mounted	Shutter, Awning, Screen, Venetian blind, Adjustable roller shutter	Standard wiring Wiring with white lead
MAGO Actuator	Flush-mounted	2 stable independent outputs 2 independent impulsive outputs 2 independent timed outputs 1 switching output (diverter) 1 switching thermostat output	
MAGO Gateway	Tabletop	Cloud access Temperature and humidity sensors	
MAGO Dimmer	Flush-mounted	2 independent LED outputs	

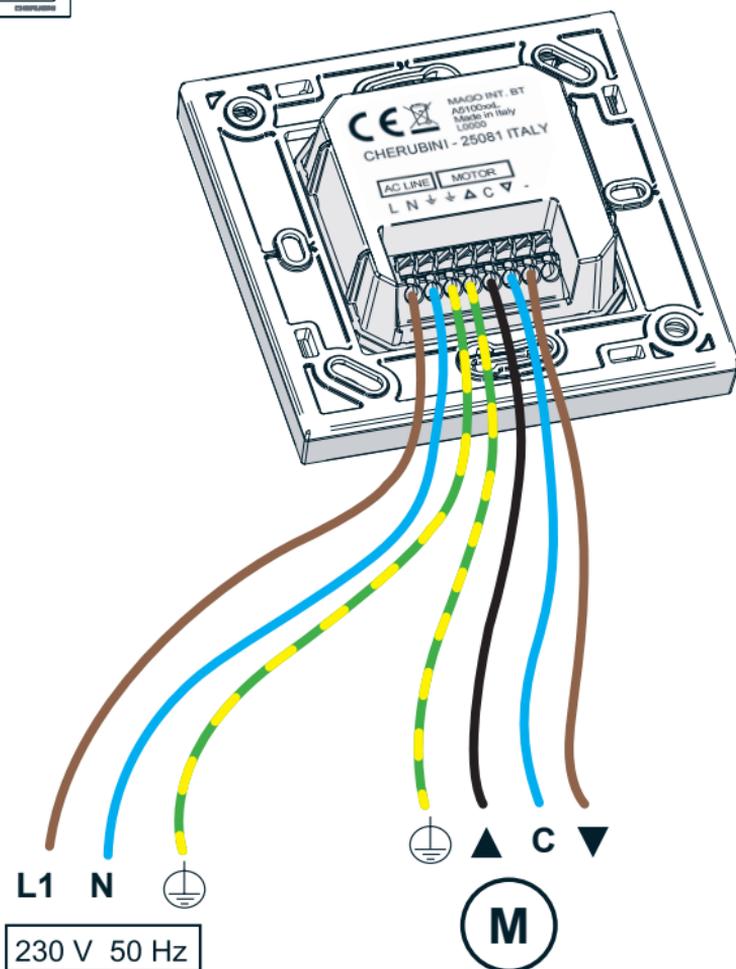
Maximum system capacity:

192 devices, 15 units, 16 scenes, 16 environments, 250 events.



MAGO Switch A510046

Wall-mounted button panel for standard wiring motors.

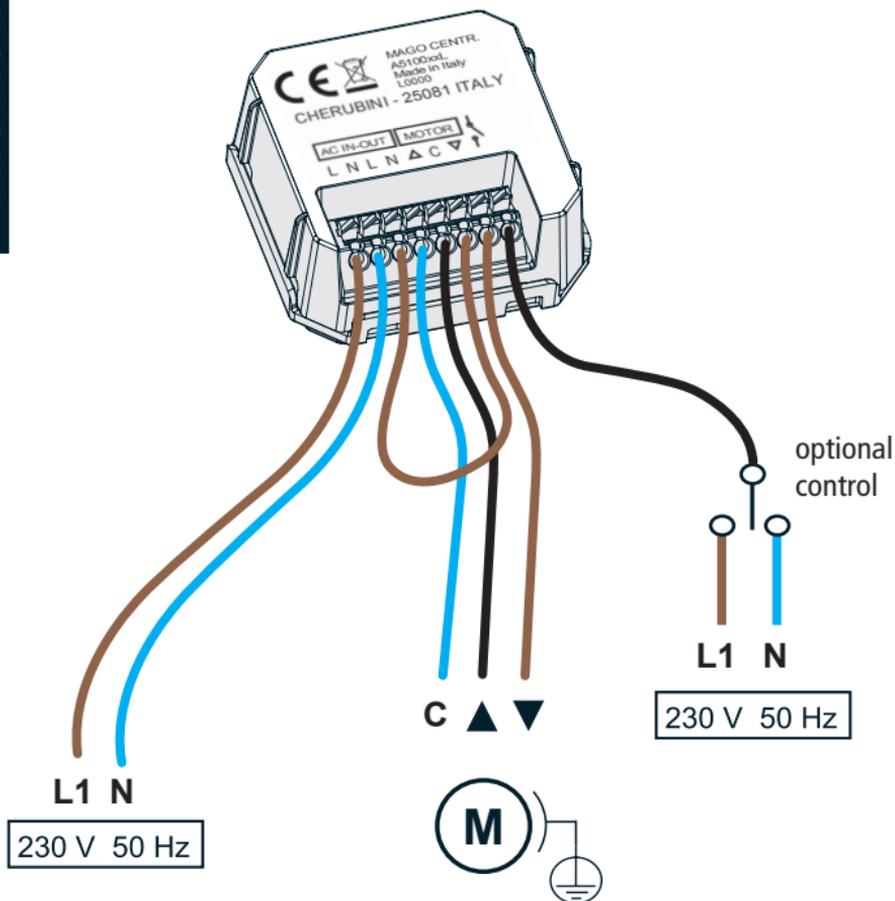




MAGO Control unit A510051

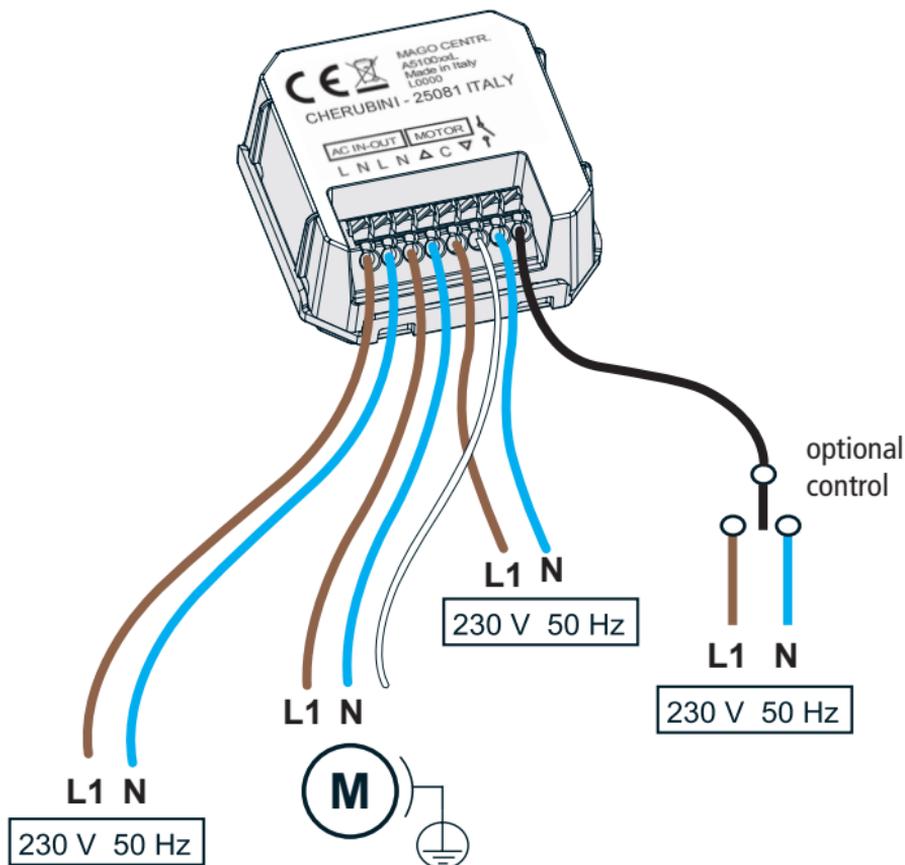
Flush-mounted control unit for standard wiring motor

ENGLISH



**MAGO Control unit A510051**

Flush-mounted control unit for RX white wire motor

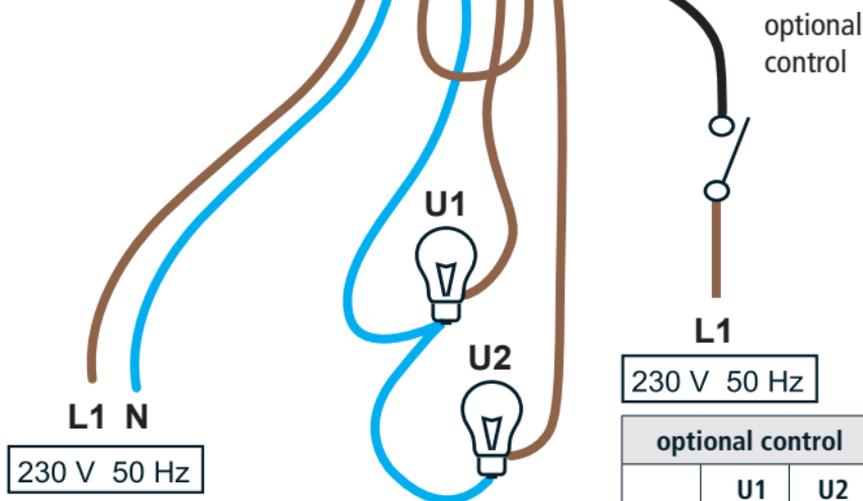
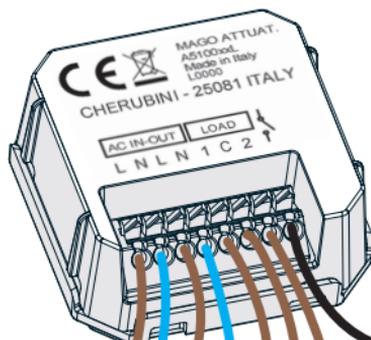




MAGO Actuator A510048

ON/OFF actuator for two independent loads.

ENGLISH

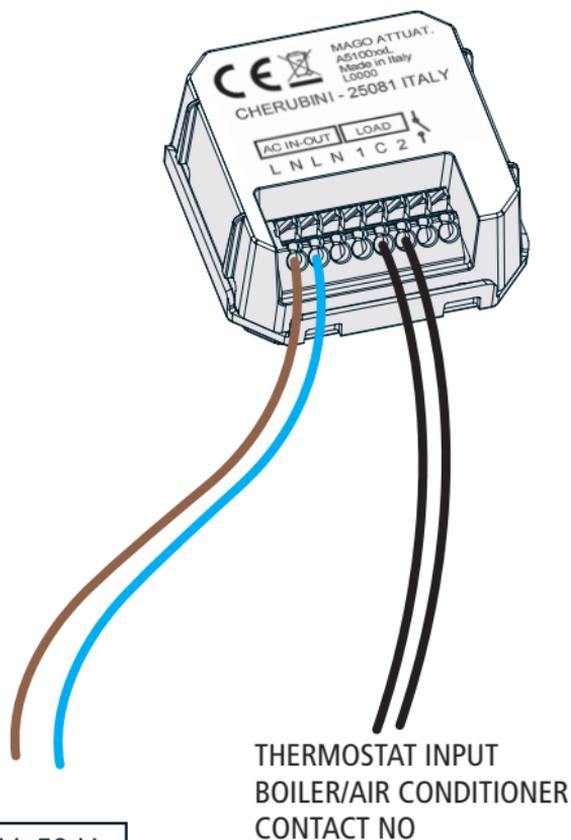


230 V 50 Hz

optional control		
	U1	U2
1	ON	ON
2	OFF	ON
3	ON	OFF
4	OFF	OFF

**MAGO Actuator A510048**

Thermostat actuator.

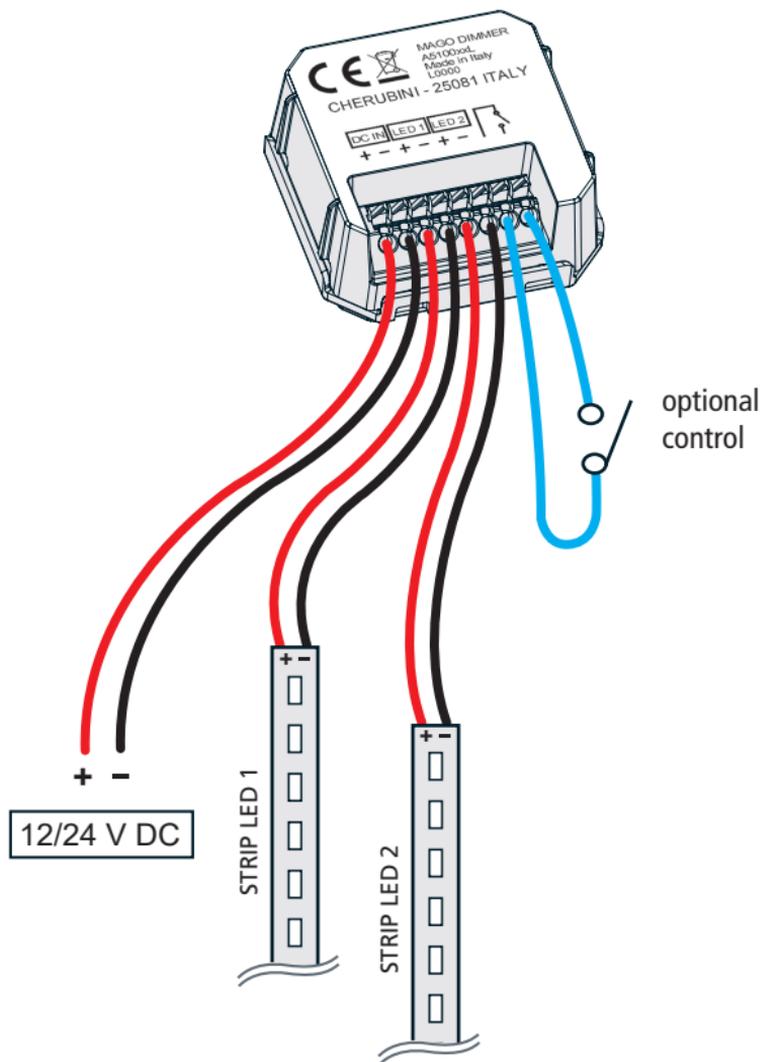




MAGO Dimmer A510047

Low voltage device to control 2 LED bars.

ENGLISH



MAGO Gateway A510049

Temperature/humidity sensor and internet gateway.

MAGO Gateway's two main features are:

- 1) Connection to the Cloud, i.e. ability to remotely access the Mago system via Wi-Fi or a GPRS connection.
- 2) Through the temperature and humidity sensors integrated in the device, MAGO Gateway allows these values to be displayed on the application home page. Temperature data can also be used by the specialised thermostat MAGO Actuator, to manage the activation or deactivation of the boiler or air conditioner.

MAGO Gateway is an optional unit: the system will work even without this device.

Front LED description:

Steady red: it indicates that the Cloud configuration is not complete or has not been implemented.

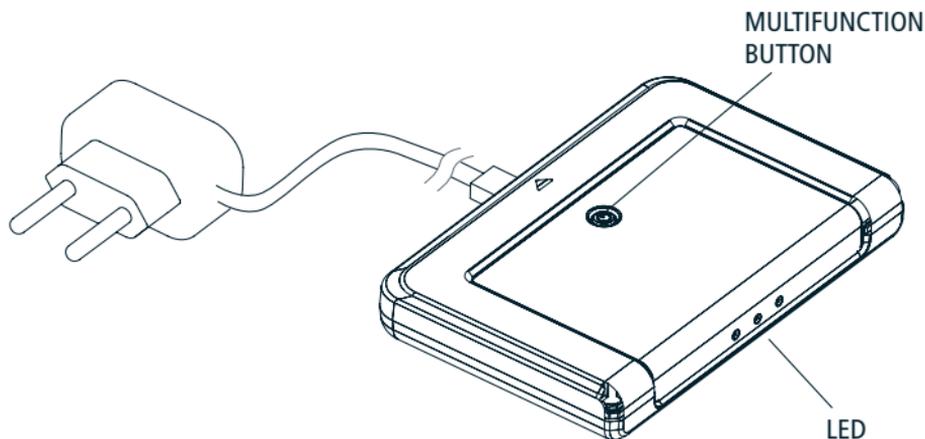
Slow green: it indicates that the connection to the network has not yet been made, or that logging in to the GPRS network has not occurred.

Fast green: it indicates that logging in to the network has been successfully performed, or that IP connection from the GPRS network has been obtained.

Steady green: it indicates that the gateway is connected with the server.

Steady green + flashing red: it indicates that the gateway is temporarily unavailable because updating is in progress.

Blue: it indicates the reception of a Bluetooth package.



Installing the MAGO application



APP MAGO



MAGO system creation

At this point, after connecting all the devices and installing the MAGO application, we can create the system by associating the various components to the Bluetooth system.

- 1) Open the app, click on "+", then "create new system".
- 2) Assign a name to the system.
- 3) Enter the 8-digit system identification code (store this code safely).

ID Code: _____

- 4) Enter the 6-digit administrator password. The administrator is the highest user profile with the most power over the system. Lower profile passwords are created automatically and can be changed by the administrator.

User	Password	New password	Powers		
			Configu-ration	Planning	Use
Administrator			YES	YES	YES
Expert			NO	YES	YES
Base			NO	NO	YES
User 1/2/3			NO	NO	YES

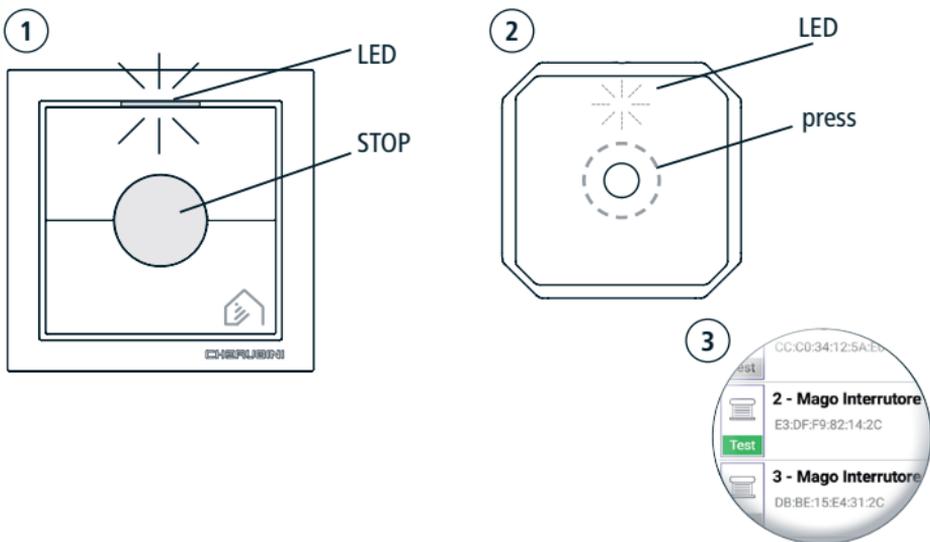
For user and password management, refer to "MAIN MENU" on page 40.

Device association:

After clicking on "Add device", the app shows a list of all the available devices that can be added to the system. Be careful in this phase because devices from the next-door apartment may also be on the list. To avoid errors, it is possible to accurately identify the device that we are adding in two different ways.

Device identification:

Press and hold down for 5 seconds the Mago switch stop button (Fig. 1) or the middle of the other devices (Fig. 2) until the LED flashes. On the app, the TEST button of the newly identified device goes green for one minute (Fig. 3).

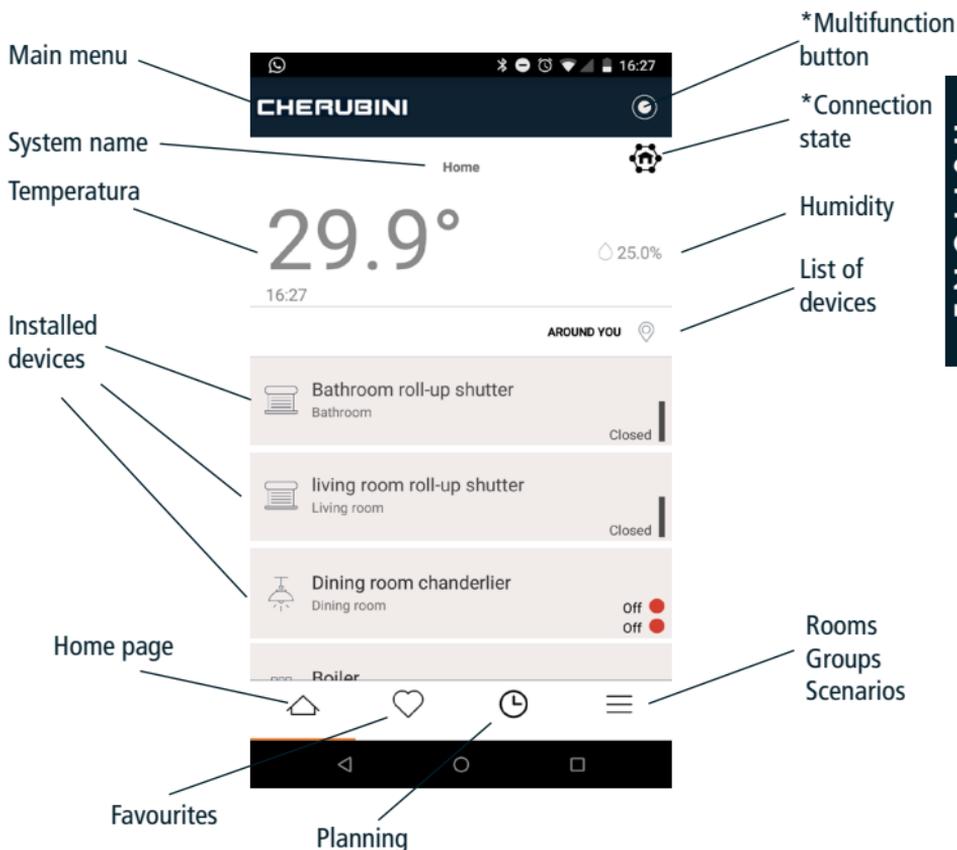
**App-assisted identification:**

Reach the device to be identified. Press the TEST button on the app of the MAGO device that you wish to identify, wait a few seconds, the motor or the connected lights should be activated.

Once it has been exactly identified, select the device from the list.

- 1) Enter the name of the controlled item that we are controlling (for example: "Kitchen shutter").
- 2) Select the most appropriate application from the list (awning, roller shutter, etc.).
- 3) Place the item inside a room. You can rename existing rooms or create others.
- 4) Repeat these steps for all the devices to be added to the system.

Description of the main screen



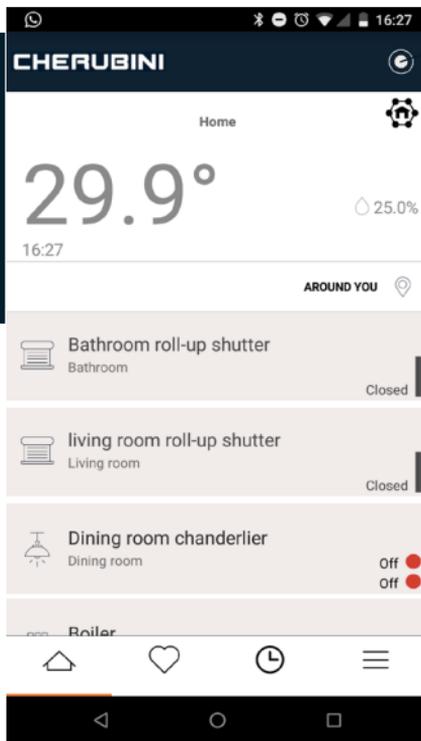
*CONNECTION STATE

-  Not connected to the system
-  Bluetooth connected
-  Cloud connection in progress
-  Cloud connected

*MULTIFUNCTION BUTTON

-  White
System synchronised
-  Yellow
Synchronising in progress
-  Red
Not synchronised

MAGO system configuration



MULTIFUNCTION BUTTON

With the multi-function button you can access the advanced configuration menu:

- 1) Select the desired item (for example "Bathroom shutter")
- 2) With the multifunction button select "Change"
- 3) Select "Advanced"

IMPORTANT

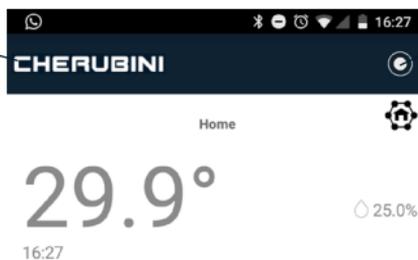
- For the MAGO switch and Mago control unit devices it is essential to set the raising and lowering times, measuring their actual duration in seconds. See the "raising and lowering times" parameters in the advanced settings menu.
- For the thermostat MAGO Actuator, it is essential to select the Mago Gateway module used as a temperature/humidity sensor. See the "Temperature sensor" parameter in the advanced settings menu.

MAGO Switch and MAGO Control Unit advanced settings menu

Parameter	Options	Description
Motor type	Standard (default)	For motors with a mechanical/electronic limit switch with standard connection (brown, black, blue). The outputs will remain active throughout the travel (up/down travel time).
	Pulses	For motors with white wire control. The outputs are managed by pulses.
Motor for adjustable shutter with connector	No (default)	Mode 5
	Yes	Mode 4
Venetian blind control mode	CH Cherubini (default)	Short pulse <1 sec: Impulsive Long pulse >1 sec: Continuous motion
	EU European	Short pulse <2 sec: Impulsive Long pulse >2 sec: Continuous motion
	US United States	Short pulse >0,5 sec: Impulsive Long pulse <0,5 sec: Continuous motion
Specialisation	Rolling shutter	The specialisation is indicated during the creation of the system and can be changed from this menu.
	Awning	
	Screen	
	Venetian blind	
	Orientable shutter	
Upward travel time	0-240 seconds (default 30)	Output activation time during the motor raising movement
Downward travel time	0-240 seconds (default 30)	Output activation time during the motor lowering movement
Position adjustment time	10-100 tenths of a second (default 10)	Total slat tilting time
Preferred position 1	0-100% (default 25%)	Preferred intermediate position 1
Preferred position 2	0-100% (default 75%)	Preferred intermediate position 2

MAGO Actuator advanced settings menu

Parameter	Options	Description
Specialisation	2 independent stable outputs (default)	Select the specialisation suitable for the type of electrical connection required.
	1 combined exchange output	
	2 independent impulsive outputs	
	2 independent timed outputs	
	Thermostat	
Output 1 timer	8-10 hours (default 10 seconds)	Output 1 activation time in "2 independent timed outputs" mode.
Output 2 timer	8-10 hours (default 10 seconds)	Output 2 activation time in "2 independent timed outputs" mode.
Temperature sensor	Select the MAGO Gateway device to be used as a temperature/humidity sensor	In the "Thermostat" mode it is necessary to specify the MAGO Gateway device to be used as a temperature/humidity sensor. This operation is mandatory even if only one MAGO Gateway is installed.

MAIN
MENUMULTIFUNCTION
BUTTON

How to connect MAGO Gateway to the Cloud

- 1) From the main page select the MAGO Gateway device
 - 2) With the multifunction button select "Change"
 - 3) Select "Settings" and choose the connection mode
 - Off: Not connected (default)
 - Wi- Fi: Enter the name of the Wi-Fi* network and Password to access the network
 - SIM (GPRS): Insert the SIM in the slot under the device and the corresponding parameters: APN and PIN.
- *MAGO Gateway is only compatible with 2.4 GHz password protected Wi-Fi networks (wpa/wpa2).

How to remove a MAGO item from the system

- 1) Go to the system
 - 2) From the main page select the item that you wish to remove
 - 3) With the multifunction button select "Change"
 - 4) With the multifunction button select "Remove"
- After this operation the selected MAGO item will become visible again and available to be integrated in another system.

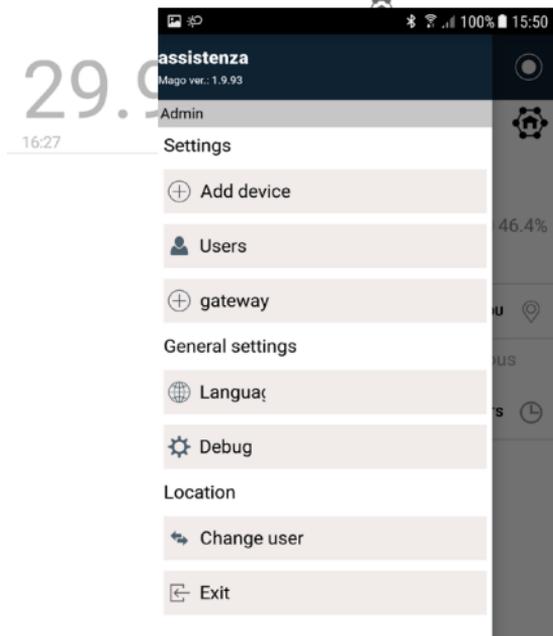
How to add a MAGO item to the existing system

- 1) From the main page, select the word CHERUBINI to display the main menu
- 2) From the main menu select "Add device"
- 3) From the list of available devices select the desired one and proceed as described in the paragraph "Device association".

Main menu

From the main (Home) page select the word **CHERUBINI** to display the main menu. From this menu you can add devices to the system, manage users, configure the cloud, change language, etc.

MAIN
MENU



Adding a smartphone to an existing system

- 1) Open the app, click on "+", then "Connect an existing system".
- 2) Assign a name to the system.
- 3) Enter the same 8-digit system identification code used before in the system creation phase.
- 4) Enter the 6-digit password, given by the administrator user.

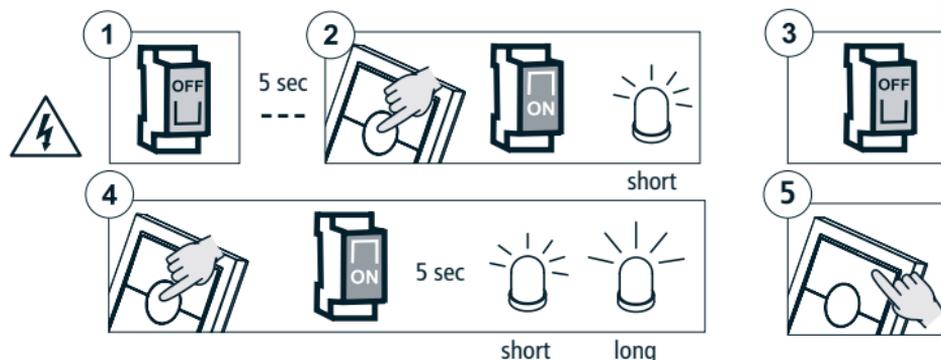
Warning:

It is not possible to configure the system from two smartphone at the same time.

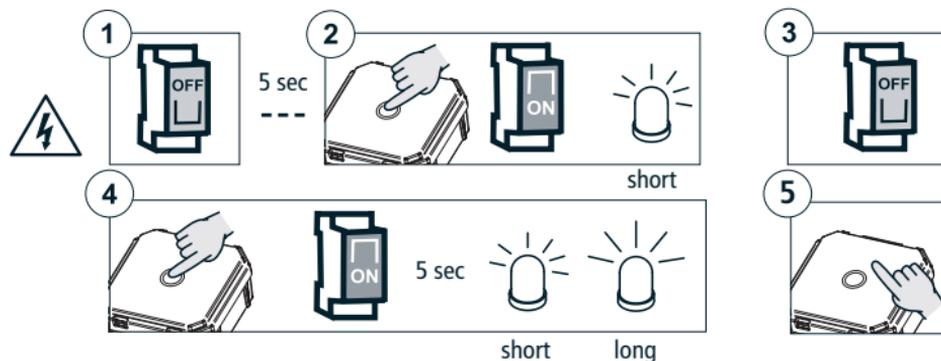
MAGO devices reset

- If a Mago device is removed from the system via the application, it is not necessary to carry out the reset procedure described in this section.
- The reset procedure described in this section will not remove the device from the system.
- In order to be associated with the system, a MAGO device must be new or reset.

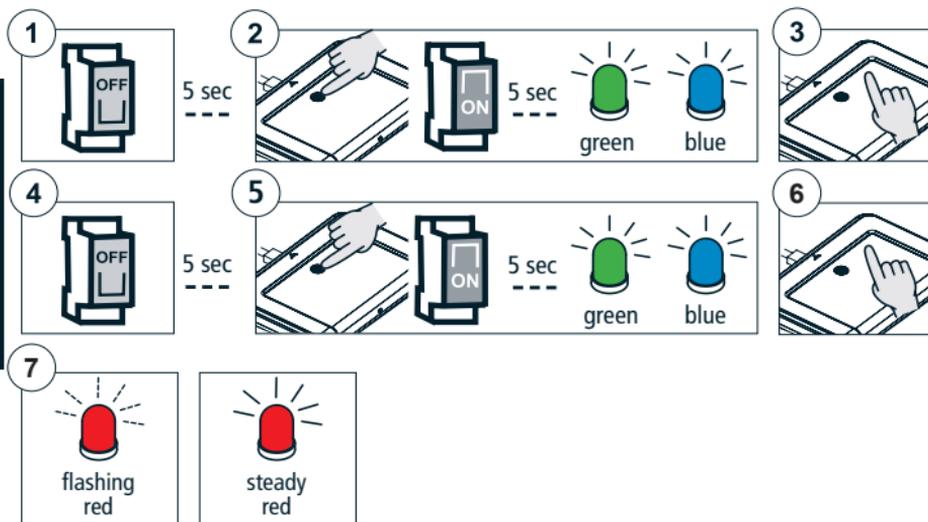
MAGO Switch reset



MAGO Control unit, MAGO Actuator, MAGO Dimmer reset



MAGO Gateway reset



TECHNICAL FEATURES

CHARACTERISTICS	MAGO Switch A510046	MAGO Control unit A510051	MAGO Actuator A510048	MAGO Dimmer A510047	MAGO Gateway A510049
Power supply	110-230V ac	110-230V ac	110-230V ac	12-24V dc	5V dc
Max power	500 W	500 W	2 x 500 W resistive	2x60 W (12V) 2x120 W (24V)	--
Transmission frequency	2,4 GHz	2,4 GHz	2,4 GHz	2,4 GHz	2,4 GHz 900-1800 MHz
Decoder system	Bluetooth 4 or higher	Bluetooth 4 or higher	Bluetooth 4 or higher	Bluetooth 4 or higher	Bluetooth 4 / Wi-Fi / GPRS
Operating temperature	-10 °C +55 °C	-10 °C +55 °C	-10 °C +55 °C	-10 °C +55 °C	-10 °C +55 °C
Dimensions (mm)	76x76x28	48,5x48,5x22	48,5x48,5x22	48,5x48,5x22	134x98x20
Weight	62 g	30 g	30 g	30 g	121 g
Protection degree	IP20	IP20	IP20	IP20	IP20

I Dichiarazione di conformità UE

CHERUBINI S.p.A. dichiara che il prodotto è conforme alle pertinenti normative di armonizzazione dell'Unione: Direttiva 2014/53/UE, Direttiva 2011/65/UE.

Il testo completo della dichiarazione di conformità UE è disponibile facendone richiesta sul sito: www.cherubini.it.

Il mancato rispetto di queste istruzioni annulla la responsabilità e la garanzia CHERUBINI.

GB EU declaration of conformity

CHERUBINI S.p.A. declares that the product is in conformity with the relevant Union harmonisation legislation: Directive 2014/53/EU, Directive 2011/65/EU.

The full text of the EU declaration of conformity is available upon request at the following website: www.cherubini.it.

Failure to comply with these instructions annuls CHERUBINI's responsibilities and guarantee.

D EU-konformitätserklärung

CHERUBINI S.p.A. erklärt der produkt erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der Union: Richtlinie 2014/53/EU, Richtlinie 2011/65/EU.

Der vollständige Text der EU-Konformitätserklärung kann unter unserer Web-Seite www.cherubini.it, gefragt werden.

Bei nichtbeachten der Gebrauchsanweisung entfällt die CHERUBINI Gewährleistung und Garantie.

F Déclaration UE de conformité

CHERUBINI S.p.A. déclare que le produit est conforme à la législation d'harmonisation de l'Union applicable: Directive 2014/53/UE, Directive 2011/65/UE.

Le texte complet de la déclaration UE de conformité est disponible en faisant requête sur le site internet: www.cherubini.it.

Le non-respect de ces instructions exclut la responsabilité de CHERUBINI et sa garantie.

E Declaración UE de conformidad

CHERUBINI S.p.A. declara que el producto es conforme con la legislación de armonización pertinente de la Unión: Directiva 2014/53/UE, Directiva 2011/65/UE.

El texto completo de la declaración UE de conformidad puede ser solicitado en: www.cherubini.it.

El incumplimiento de estas instrucciones anula la responsabilidad y la garantía de CHERUBINI.

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