MASTER
MOTION AHEAD

I-GLU

USER MANUAL

GENERAL INFORMATION

Master spa cannot be held responsible for consequences and damages due to use that does not comply with the product user manual, the safety instructions and the warnings listed below.

- I-GLU is compatible with all devices equipped with a radio receiver produced by Master spa, operating at the frequency 433.42 MHz (unidirectional) and 868.30 MHz (bidirectional).

- I-GLU must be connected to a Wi-Fi network with INTERNET access. The stability of the Wi-Fi network and the INTERNET connection are essential for the correct functioning of the system.

- In the event of service interruptions, even for brief moments, of the Wi-Fi network, the INTERNET connection or the power supply voltage, I-GLU may not be able to carry out its activity completely or partially for a period of time varying from a few seconds to a few minutes. In some cases it may be necessary to turn I-GLU off and on again.

- By keeping I-GLU and the home router powered, it will be possible to fully use all the product's features (remote controls, timed maneuvers, ...). Keeping I-GLU unpowered for long periods could affect the maintenance of the internal system clock.

- Before pairing a radio receiver with I-GLU, install the radio receiver carefully following the instructions in the radio receiver's instruction manual.

- Some characteristics of the installation site (presence of metal surfaces, floors, size and shape of the building, presence of other radio communication systems, ...) can significantly reduce the system's performance.

- Only connect I-GLU to devices for which the remote control cannot be a source of danger to people or things.

- Periodically check the correct functioning of I-GLU and the devices connected to it.

I-GLU communicates via radio with the radio receivers installed in your home.
To improve the performance of the system, we recommend installing I-GLU in the center of the house, in an open space and away from metal surfaces.

Keep at least 50 cm distance between I-GLU and the Wi-Fi router or other radio devices.

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WARNINGS

- Check that the packaging is intact and has not been damaged during transport.
- Violent impact and the use of unsuitable tools may cause breakage of external or internal parts of the device.
- It is forbidden to puncture or tamper with the device in any way.
- Do not modify or replace parts without the manufacturer's authorization.
- Certain applications require a "dead man" control and may exclude the use of radio controls or require special safety features. In general, the use of radio controls is prohibited where this could be a source of danger.
- Install the product exclusively inside buildings, in a place protected from atmospheric agents, away from heat sources and metal surfaces.
- To clean the product, wipe with a dry cloth, do not use solvents or abrasive products.
- The product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, unless they have been given supervision or instruction concerning use of the product by a person responsible for their safety.
- Do not allow children to play with the appliance.

1 PACKAGE CONTENTS

I-GLU	Power supply	Power/Data Cable	Quick guide

MASTER MOTION AHEAD
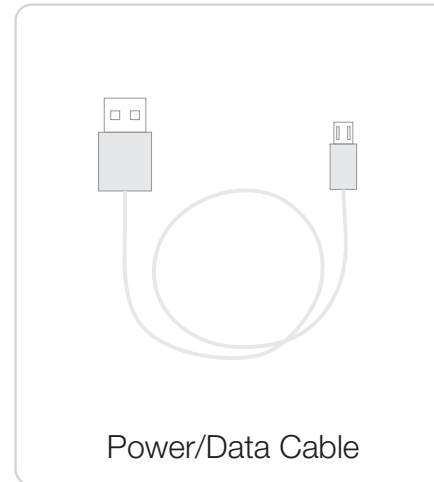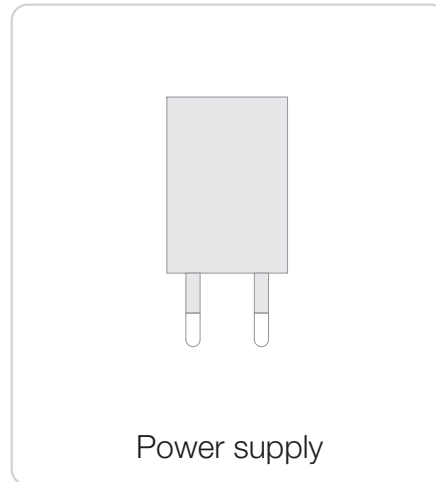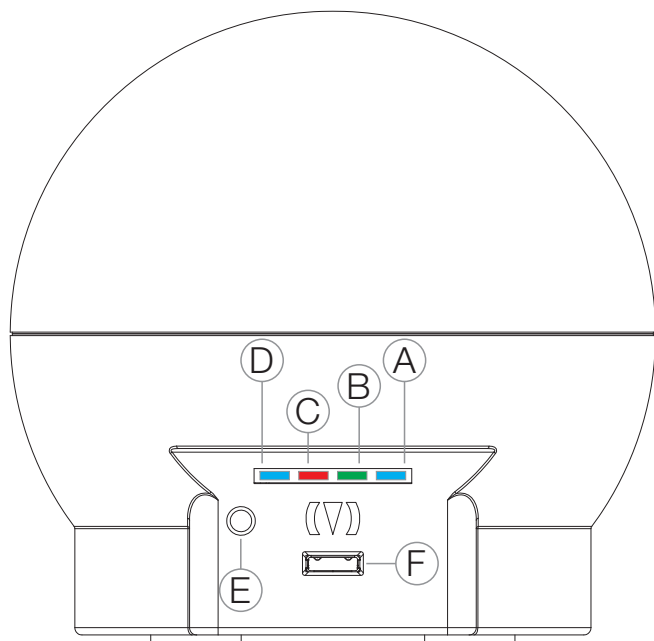
A - <u>Wi-Fi LED</u>: indicates the connection status between I-GLU and your Wi-Fi network.
FLASHES: not connected
FIXED ON: connected

B - <u>CLOUD LED</u>: indicates the connection status with the cloud server.
FLASHES: not connected
FIXED ON: connected

C - <u>CLOUD ACTIVITY LED</u>: indicates the status of transmission to the cloud.
SHORT FLASH: cloud communication in progress
FIXED ON: radio code pairing phase

D - <u>RADIO LED</u>: indicates the status of the radio transmission.
SHORT FLASH: radio broadcast in progress

E - <u>I-GLU DISSOCIATE BUTTON</u>: go to paragraph 5.1 pag. 16

F - <u>USB PORT</u>: power supply

If the Wi-Fi LED continues to flash, check the operation of your Wi-Fi network. If the problem persists, try re-entering the Wi-Fi network credentials on I-GLU (see procedure in section 4.2).

If the CLOUD LED flashes (or remains off) for several minutes, try turning the device off and then on again after a few seconds.
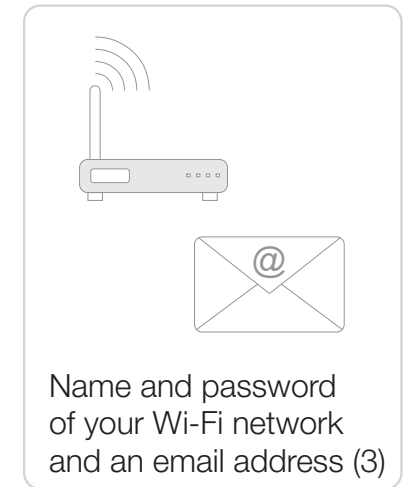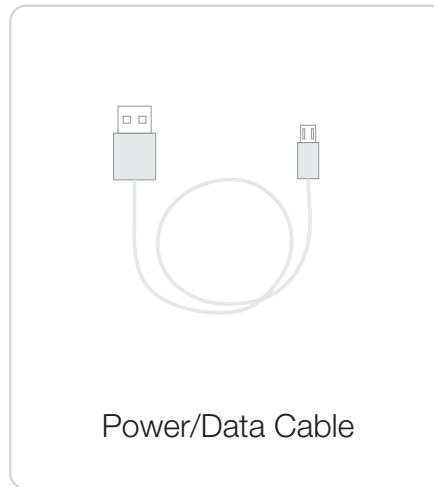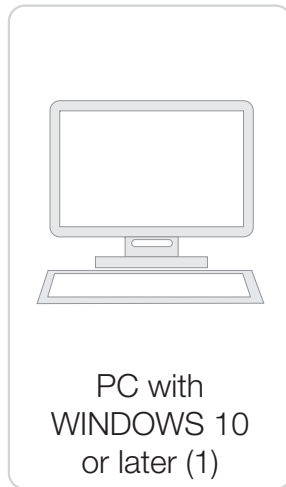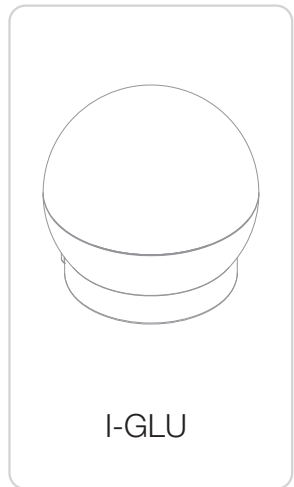
MASTER
MOTION AHEAD

3 TECHNICAL DATA

Power supply	5 V ⎓	
Grade of protection	IP20	
Dimensions	90 x 90 x 90 mm	
Operating temperature	0°C - +50 °C	
Operating frequencies	433.42 Mhz	maximum radiated power, e.r.p < 10 mW operating frequency band 433,050 – 434,790 Mhz range (estimated) 100m outdoor
	868.30 Mhz	maximum radiated power, e.r.p < 25 mW operating frequency band 868,10 – 868,50 MHz range (estimated) 200m outdoor
N° of radio channels	50	
Groups	50	
Scenarios	50	
Timers	max 15 for each day of the week	

POWER SUPPLY DATA

Power supply	230V~ 50Hz
Output	5V ⎓ 1A

4 INSTALL

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I-GLU	PC with WINDOWS 10 or later (1)	Power/Data Cable	IGLU WIFI MANAGER (2)	Name and password of your Wi-Fi network and an email address (3)

(1) The installation procedure requires the use of a PC with Windows 10 or higher installed: connecting I-GLU to the PC is only necessary to set up the Wi-Fi network and register the device to the cloud service (see sections 4.2 and 4.3), using the IGLU WIFI MANAGER program.

(2) To download the program, go to the page https://www.mastermotion.eu/en/products/i-glu-4/ and select the icon. The file is compressed: unzip it and put it on the PC desktop.

(3) Your email will be used exclusively to allow you to recover your password (necessary to access the Control Panel) in case of loss or to update you on important information regarding your IGLU device.The name and password of your network are data that will be stored exclusively in the I-GLU device: Master spa has no access to such data.
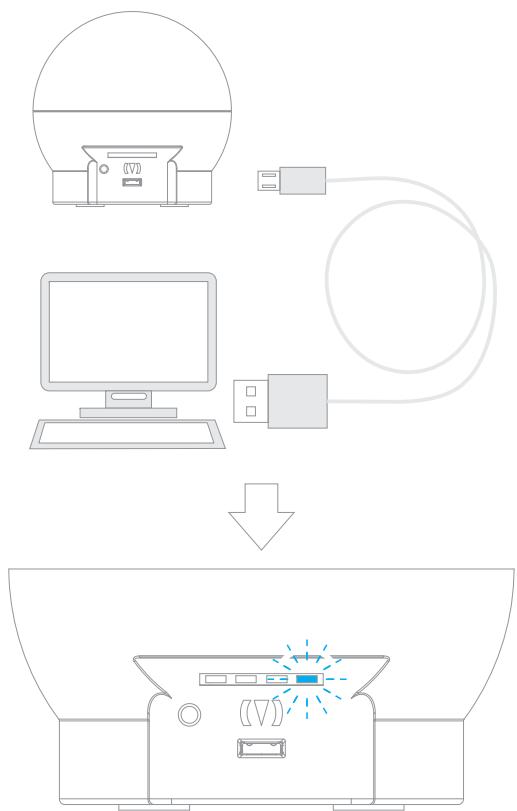
IMPORTANT: Your Wi-Fi network must be 2.4 GHz and password protected!

IMPORTANT: Before starting the procedure, make sure your Wi-Fi network is available and working!

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IMPORTANT: Your Wi-Fi network must be 2.4GHz and password protected!

A

Connect I-GLU to the PC, using the supplied cable*.
The Wi-Fi LED flashes: I-GLU is waiting to connect to a Wi-Fi network.

*If the "AUTOPLAY" function on your PC automatically opens the "Curiosity" window, close it.
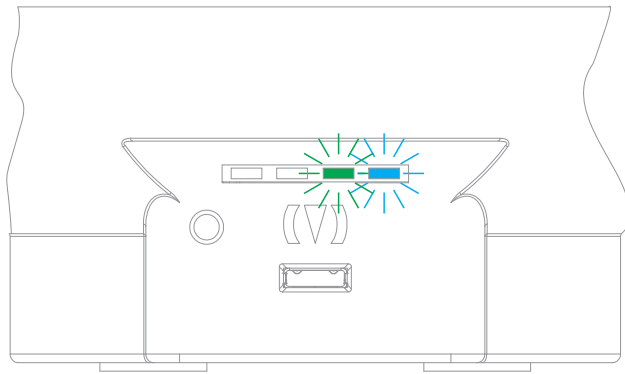
B

Run IGLU WIFI MANAGER*:
- wait a few seconds: the IGLU ID field displays the serial number of your I-GLU device
1 enter the name of your Wi-Fi network
2 enter the password of your Wi-Fi network
3 press SET WiFi CONFIGURATION

* if a window appears saying "PC protected by Windows", select More information and then Run anyway

MASTER MOTION AHEAD

C

IMPORTANT:
Keep the IGLU WIFI MANAGER program for future system maintenance (in any case it will always be downloadable from the Master site).

In the event that, for any reason (e.g. router replacement, change of operator, etc.), the network name and/or network password are changed, the new values must be stored in I-GLU: the procedure to follow is the one reported in points A, B and C of this paragraph 4.2

Use the IGLU WIFI MANAGER program only if you need to change the network settings, or if you have disassociated IGLU from your email and want to associate it with another email.

Wait (a few seconds to a few minutes*) until:
- Wi-Fi LED stays on
- CLOUD LED stays on

*time required to connect to your Wi-Fi network and then to the cloud service.If after a few minutes the LEDs are not lit steadily, it is likely that the Wi-Fi network is not working properly, or that the Wi-Fi network name or password has not been entered correctly. In this case, repeat point B.
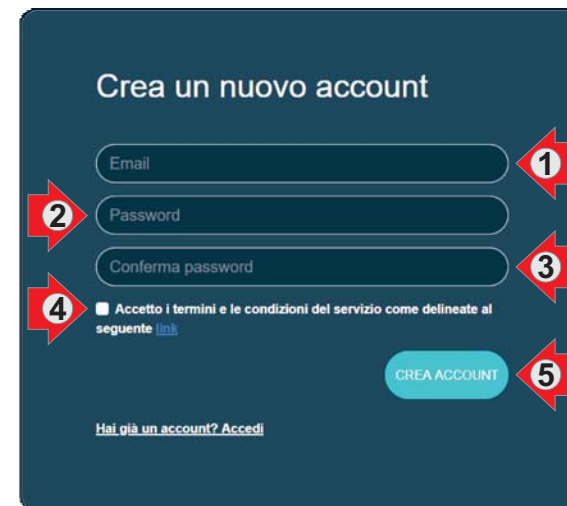
A

**1** Press Login/Register I-GLU

B

The CREATE A NEW ACCOUNT page appears:
1 enter your email
2 enter a password (must contain at least 8 characters including at least one capital letter, one number and one special character)
3 confirm the password
4 accept the terms of service (MANDATORY)
5 press CREATE ACCOUNT

If you are already registered and have another I-GLU to associate with your email, press "Already have an account? Log in":
- enter the email and password previously registered
- press LOGIN
- skip to point E

C

Verification code
******

@
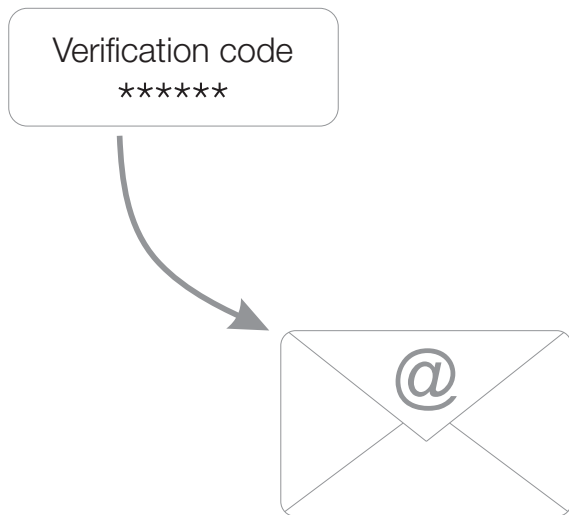
Please wait…
Check your email: you will receive an email with a 6-digit verification code.

D

Codice di verifica

1 → x x x   x x x

VERIFICA **2**

The VERIFICATION CODE page opens:
1 enter the code received
2 press VERIFY

E

F

The ASSOCIATE I-GLU page opens:
1 enter a name to identify your I-GLU
2 press ASSOCIATE
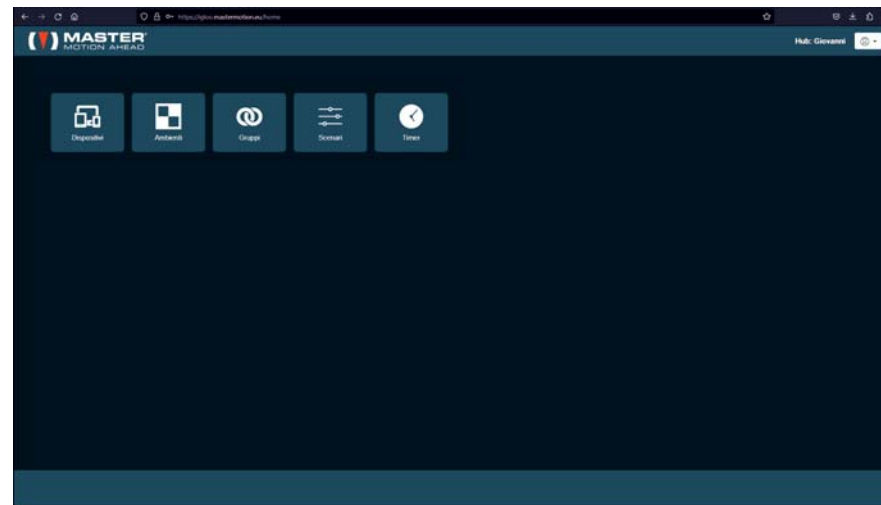
The Control Panel of your new I-GLU opens: you are ready to configure your system!

To configure your devices, you can keep I-GLU connected to the PC, or disconnect I-GLU from the PC and power it through the supplied power supply. If you connect I-GLU to the power supply, before operating on the Control Panel, wait until the Wi-Fi LED is on and the CLOUD LED is on.

5 CONFIGURE

To configure your devices connected to the site:
https://i-glu.mastermotion.eu/login
and enter the email and password previously registered.

Control Panel is the tool needed to configure and customize your system; it allows you to associate radio actuators compatible with I-GLU, generate groups, scenarios and timed maneuvers (timers). It is possible to control the different devices to check their operation, customize the interface depending on the type of device controlled and much more.

The app does not have these configuration functions (it is only possible to configure the Timers).

The Control Panel is displayed on a WEB page: in this way it can be reached from any device with Internet access.

We recommend using a device with a large screen (for example a PC) to best view the Control Panel.

Control panel interface

I-GLU name in use

Menu

TIMER: displays timed maneuvers
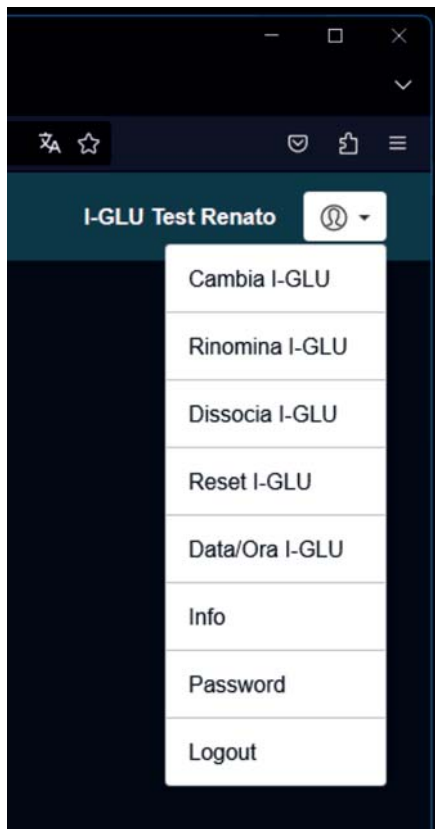
SCENARIOS: view the scenarios created

GROUPS: View device groups by type

ENVIRONMENTS: View devices based on the room they are installed in

DEVICES: View all devices associated with I-GLU

Work area

Menu

Change I-GLU: if you have more than one I-GLU associated with your account, you can select which one to operate on

Rename I-GLU: you can change the name of the currently selected I-GLU

Unbind I-GLU: you can dissociate the I-GLU from your account, keeping all the settings (devices, groups, etc.). This operation can be performed physically using the Dissociate I-GLU button (see paragraph 2): press and hold the button until the RADIO LED remains permanently lit. To re-associate I-GLU to an account you must use the IGLU WIFI MANAGER program

Reset I-GLU: you can permanently delete currently set devices, environments, groups, scenarios, timers, restoring IGLU to factory conditions. Warning: the information cannot be recovered. IGLU remains associated with your email. To disassociate I-GLU from your email, execute the command Dissociate I-GLU

Date/Time I-GLU: you can set the date and time stored in I-GLU. In order for the I-GLU timers to work as desired, make sure that the I-GLU internal clock is set correctly.

Info: device information

Password: you can change the password associated with your account

**Logout**: exit Control Panel

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The term DEVICE refers to a MASTER spa receiver compatible with I-GLU.

Before associating a receiver with I-GLU, the receiver must already have been correctly installed.

The term REMOTE CONTROL refers to a remote control (or channel) memorized exclusively in the receiver that you want to associate with I-GLU

As you add devices, they are added to the Control Panel work area.
Selecting DEVICES displays a second line that lists all the device types used up to that point; selecting a specific type displays all the devices belonging to the selected type on a third line.
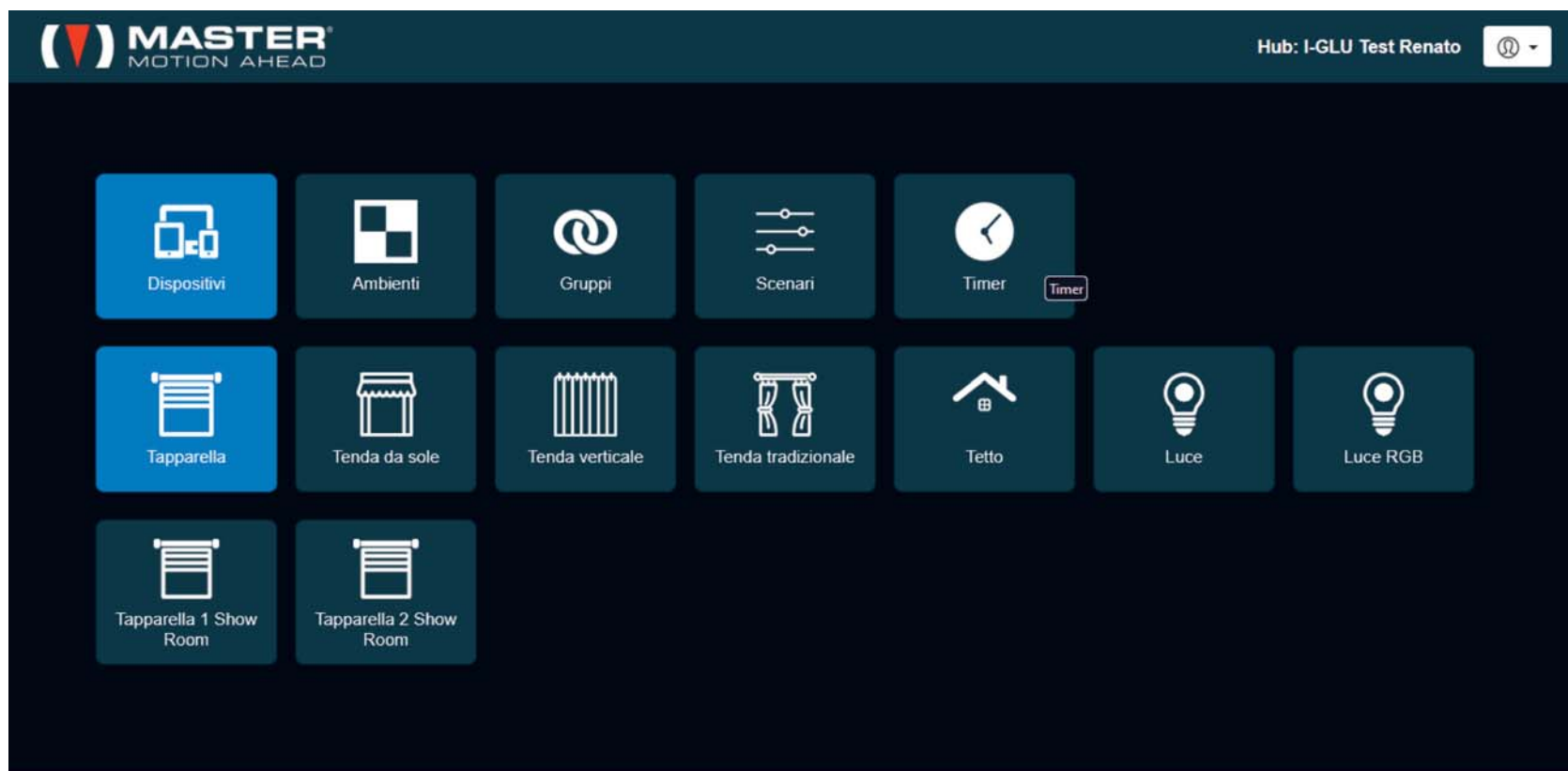
Example of Control Panel where the Roller Shutter type has been selected

Add a device

A
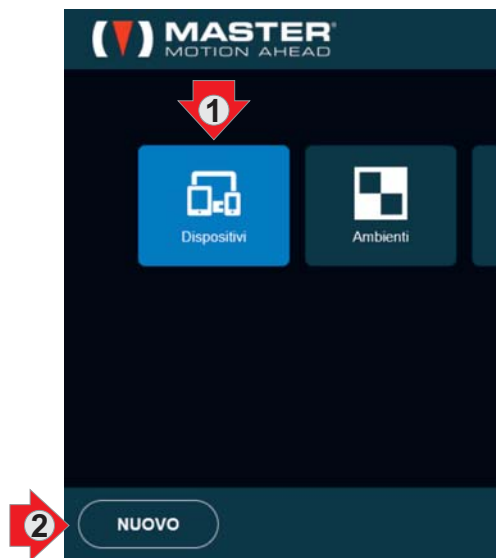
Warning: Keep the remote control stored in the device to be added at hand and locate the PROG button

1 Select DEVICES

2 Select NEW

B

The New Device tab opens:
1 choose the type of protocol/frequency (Unidirectional 433.42MHz or Bidirectional 868.30MHz, depending on the receiver)
2 choose the device type (roller shutter, awning, etc.)
3 choose the environment in which the device is located (if you need to create a new environment, select NEW)
4 write the name you want to give to the device
5 select OK

C

Nuovo dispositivo

Istruzioni

1. Premi il tasto "Continua"

2. Entro 15 secondi premi brevemente il tasto PROG del telecomando associato al ricevitore

ANNULLA   CONTINUA **1**

2 Prog

A second New Device tab opens:

1 select CONTINUE, the CLOUD ACTIVITY LED lights up

2 within 15 seconds press the PROG button on the remote control, the CLOUD ACTIVITY LED turns off

Operate a device: useful for verifying that the device has been correctly paired and for customizing the command interface displayed in the smartphone application

Example of command interface

Tenda 1 Show Room

Favourite position — PREFERITO 2

Up

Slider

Down

ANNULLA   PERSONALIZZA

STOP   CONFERMA
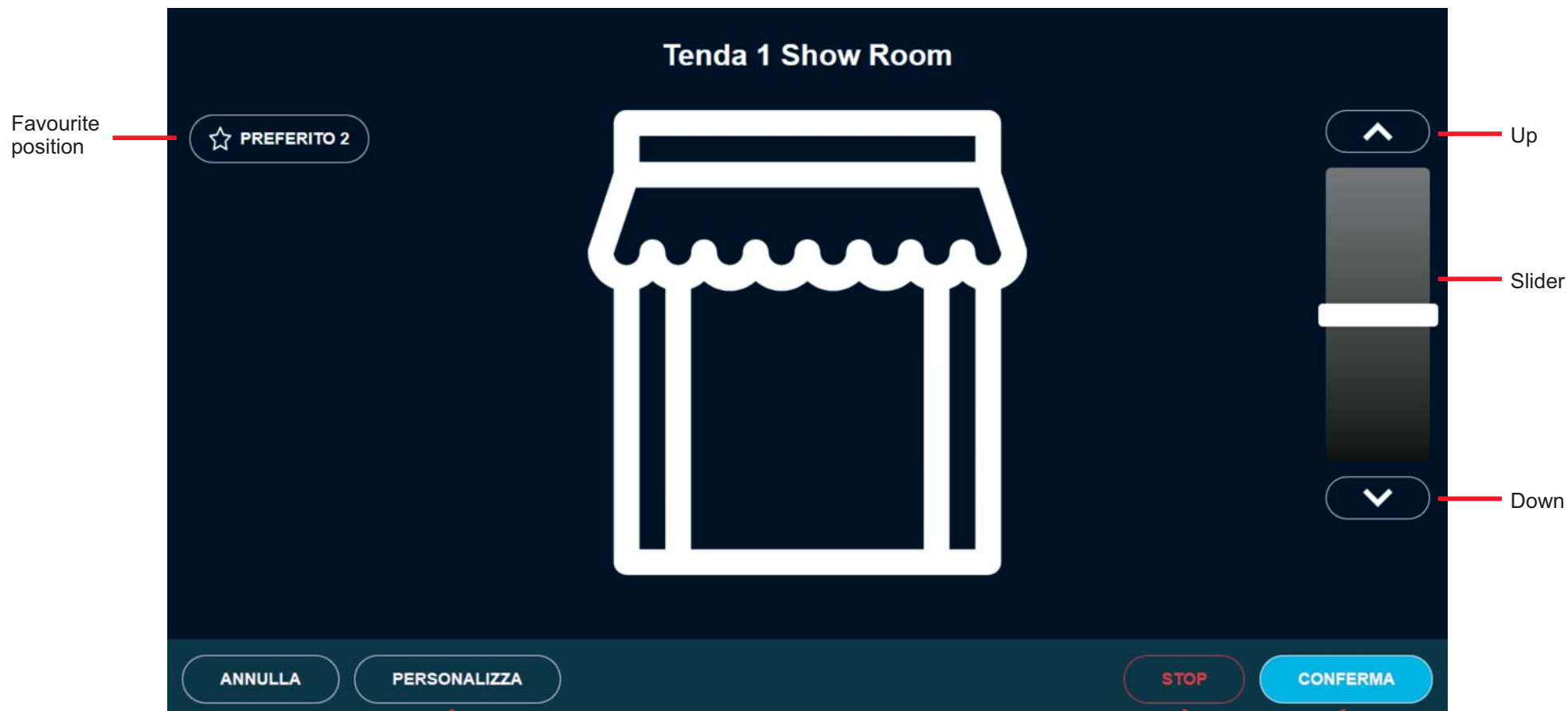
You can add or remove options to the control panel, to better adapt it to the characteristics of the receiver. It is possible that some functions of the receiver are not implementable from the IGLU control panel

Stop the maneuver in progress

Start the selected maneuver

MASTER MOTION AHEAD

A

B

1 Select DEVICES

2 Select the type

3 Select the device to operate

4 Select OPERATE

The command interface opens:
1 select UP (or move the slider cursor all the way up)
2 press CONFIRM: check the receiver's response
1 select DOWN (or move the slider cursor all the way down)
2 press CONFIRM: check the receiver's response
- if necessary, select CUSTOMIZE to add/remove commands (see page 22)

Press CUSTOMIZE to customize the control interface based on the characteristics of the associated actuator (the actuator instruction manual may contain advice on how to customize the control interface).
Incorrectly setting these parameters will not cause any malfunction, it may simply cause some commands to appear that the associated actuator will not be able to interpret. Try without fear and find the configuration that best suits your actuator!

Slider type
CONTINOUS: if the actuator is compatible with this function, it allows you to select any position between 0% (All Down / Off) and 100% (All Up / On)

DISCRETE: you can only select the All Up or All Down positions

ReverseSlider
Depending on the type of actuator and the type of installation, it may be necessary to reverse the operation of the slider

Number of favourites
Select how many favorite positions (from 0 to 3) you want to manage, based on the characteristics of the associated actuator

Slider orientation
Some actuators may include a second slider dedicated to the inclination of the blades

Personalizza i controlli

Funzionamento slider
Discreto

Quanti preferiti
1

Inverti slider
No

Slider orientamento
No

ANNULLA   OK

Edit a device: you can change the description, type and environment of a device.

A

1 Select DEVICES

2 Select the type

3 Select the device to modify

4 Select EDIT

B

The edit tab opens:
1 if necessary, change the device name
2 if necessary, change the device type
3 if necessary, change the device environment
4 select EDIT to apply the changes

Delete a device: you can delete a device.

A

1 Select DEVICES

2 Select the type

3 Select the device to delete

4 Select DELETE

B

The Delete Device tab opens: if you want to delete the device from the I-GLU memory, select DELETE.
Attention: deleted data is not recoverable in any way!

By selecting ENVIRONMENTS, the receivers associated with I-GLU are displayed based on the environment (e.g. kitchen, bedroom, ...) to which they were assigned during the creation of the device. When you log in for the first time, there is only one environment (the only one that cannot be deleted); you can create new environments, customizing the system to better adapt to your home. Once created, the environments can be modified and deleted (with the exception of the first environment).
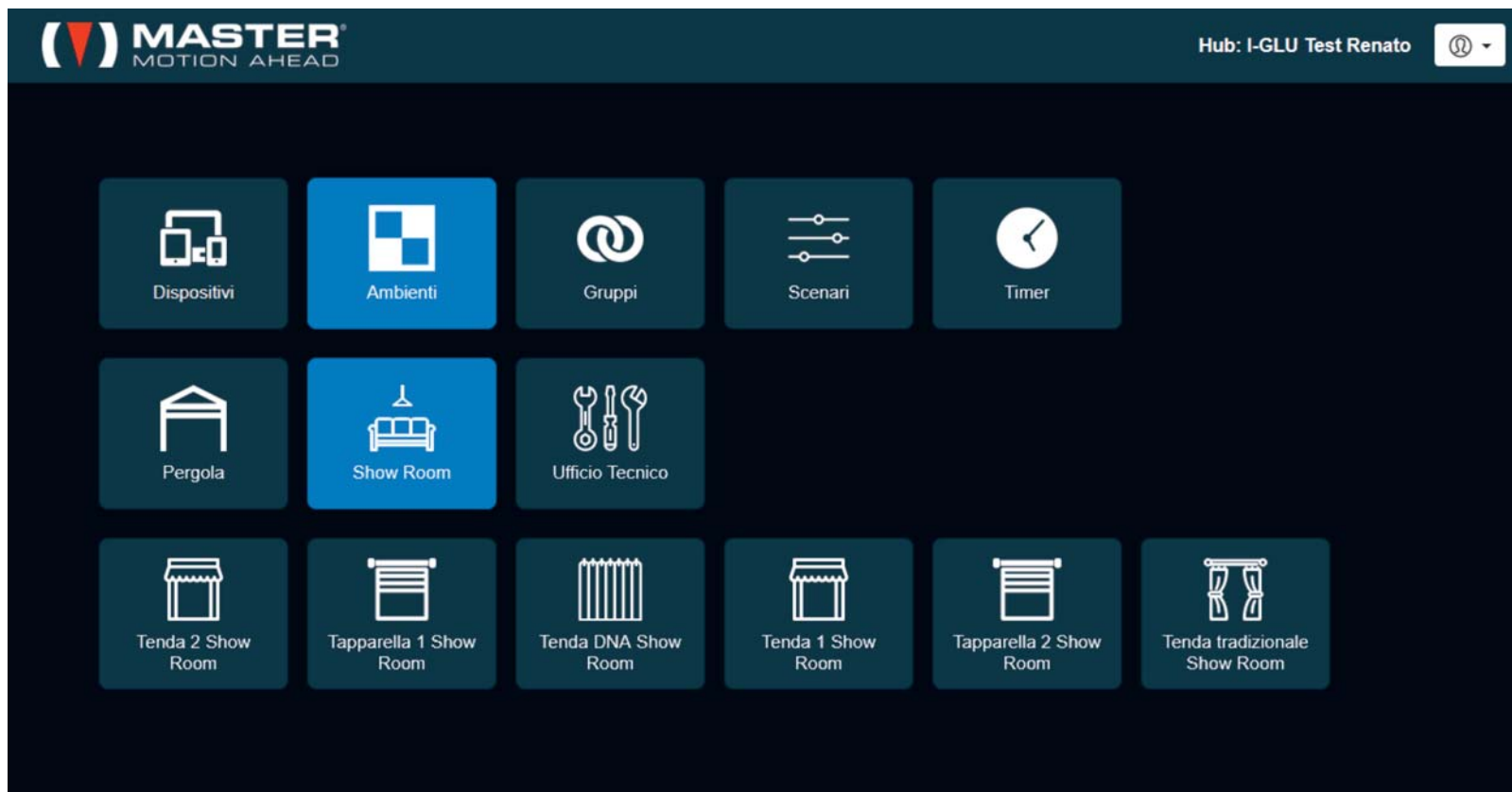
Example of Control Panel where the Show room environment has been selected

Edit an environments

A
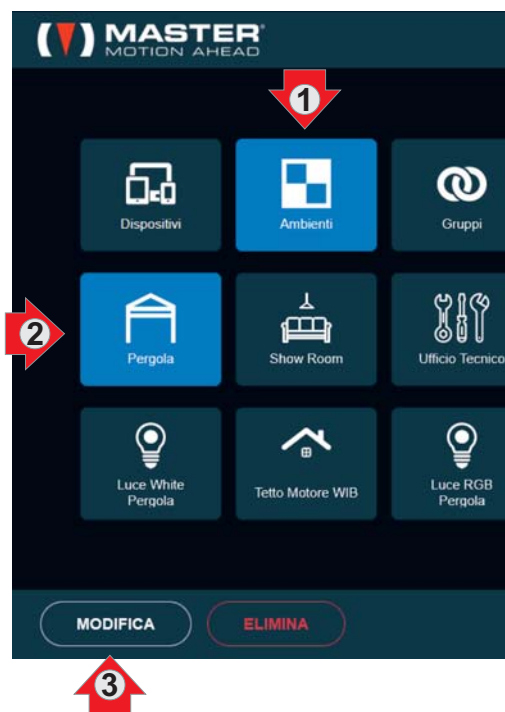
1 Select ENVIRONMENTS

2 Select an environment

3 Select EDIT
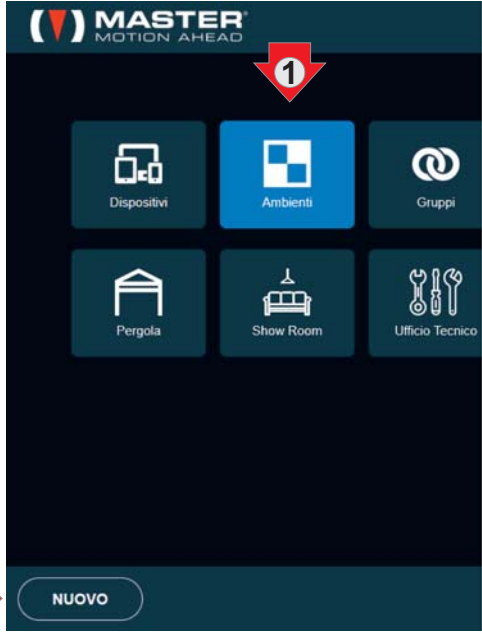
B

The Edit Environment tab opens:
1 if necessary, change the name of the environment
2 if necessary, change the icon of the environment
3 select OK

Add an environment

A

1 Select ENVIRONMENTS

2 Select NEW

B
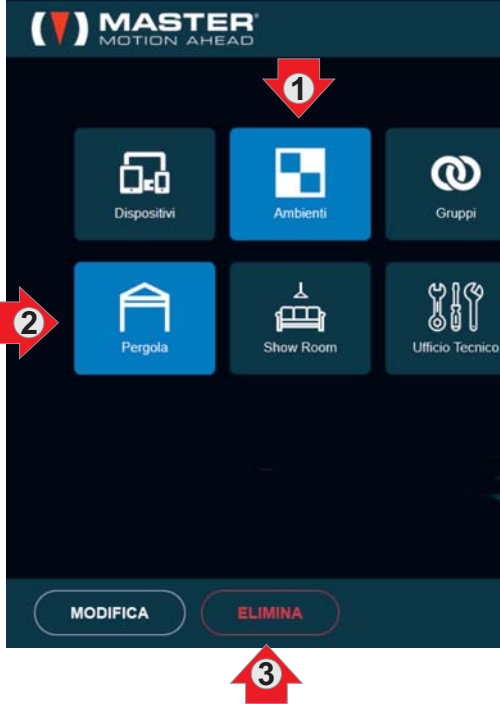
The New Environment tab opens:
1 choose the name to assign to the environment
2 choose an icon that helps to recognize the environment
3 select OK

Delete an environment

A

1 Select ENVIRONMENTS

2 Select an environment

3 Select DELETE

B

The Delete Environment tab opens: if you want to delete the environment from the I-GLU memory, select DELETE.
Attention: the environment is deleted only if it has no associated devices
Attention: deleted data is not recoverable in any way!

A GROUP is a set of devices that you want to operate with a single command, the same for all.
Although it is possible to associate more than one type of device to a group, we recommend grouping devices of the same type: only roller shutters, only awnings, etc.
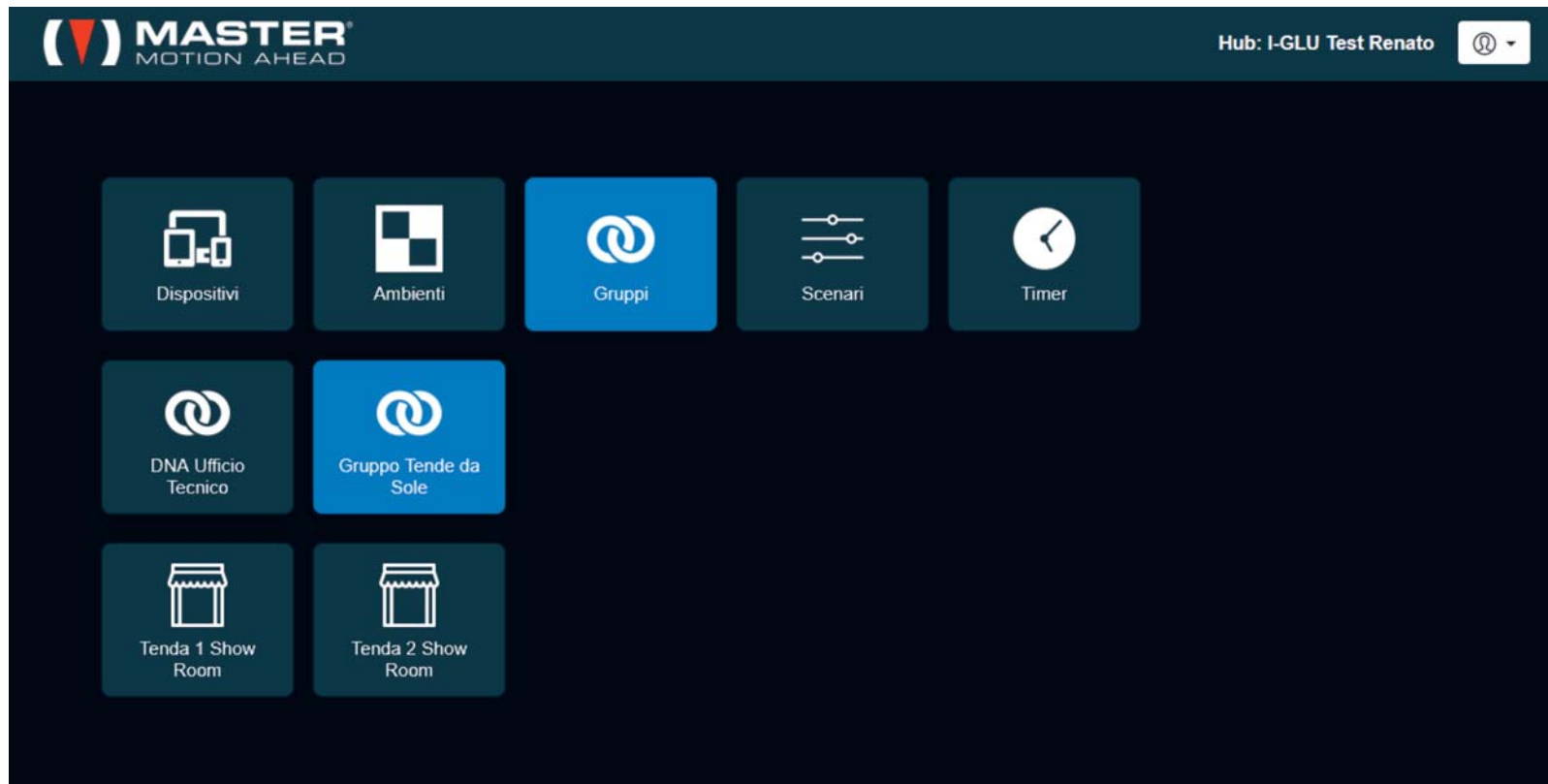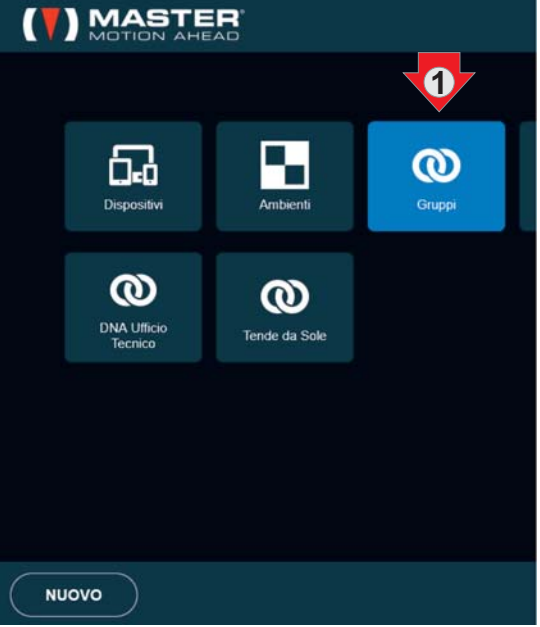
Example of Control Panel where the Awnings group has been selected

Add a groups

A

Select GROUPS

Select NEW

1 Select GROUPS

2 Select NEW

B

Nuovo Gruppo

1 Nome gruppo

2 Tipo dispositivo
Motore

ANNULLA   OK   3

The New Group tab opens:
1 choose the name to assign to the group
2 choose whether the group should include Motors or Lights
3 select OK

C

Tapparelle ✏

Dispositivi disponibili

1 Tapparella 1 Show Room | Tapparella 2 Show Room | Tenda 1 Show Room | Tenda 2 Show Room | Tenda DNA 1 | Tenda DNA 2 | Tenda

Dispositivi del gruppo

Tapparella 1 Show Room | Tapparella 2 Show Room

ANNULLA   Seleziona uno o più dispositivi da inserire o rimuovere dal gruppo   FINE 2

The Group composition tab opens:
1 to add a device, select it from those available
(- to remove a device, select it from those present in the group)
2 once the composition is complete, select END

By selecting the pencil icon, you can change the name of the group.

Operate a group

A

B
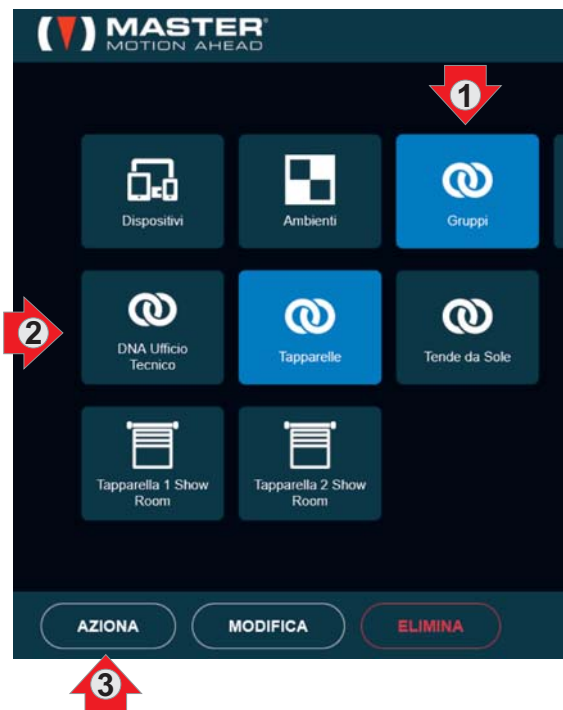
1 Select GROUPS

2 Select a group

3 Select OPERATE

The group command interface opens:
1 select UP (or move the cursor all the way up)
2 press CONFIRM: check the receivers' response
1 select DOWN (or move the cursor all the way down)
2 press CONFIRM: check the receivers' response
 - if necessary, select CUSTOMIZE to add/remove commands (see page 22)

Edit a group

A

1 Select GROUPS

2 Select a group

3 Select EDIT

B
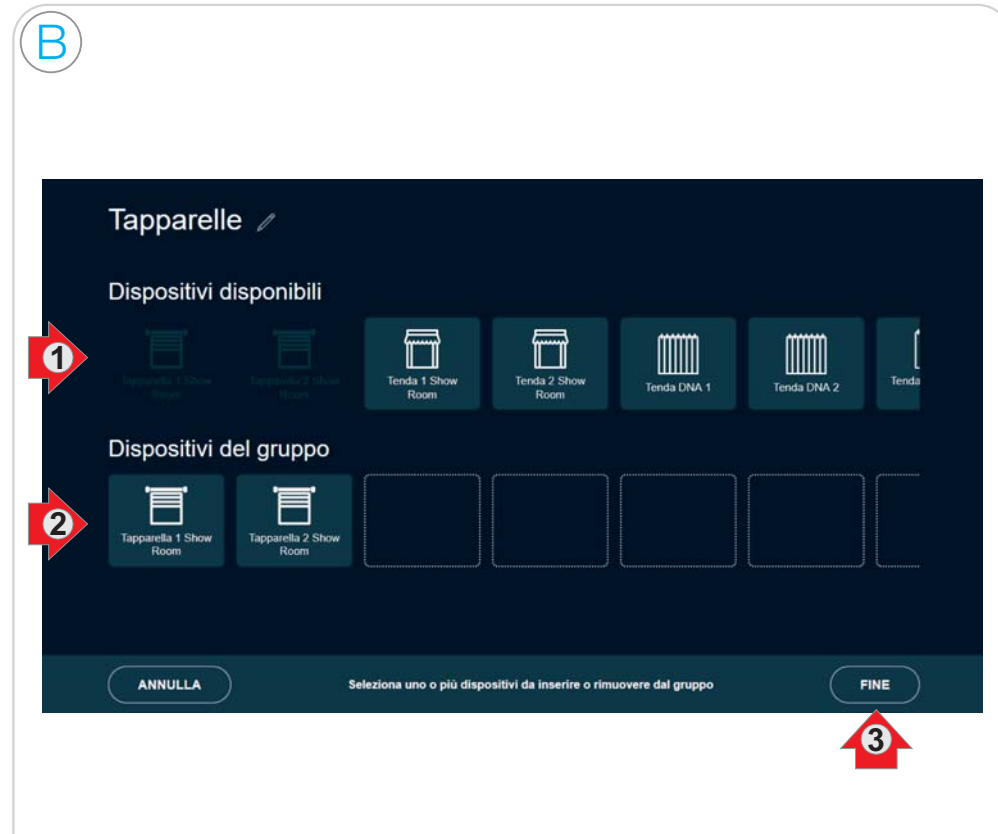
The Group edit tab opens:
1 to add a device, select it from those available
2 to remove a device, select it from those present in the group
3 once the modification is complete, select END

By selecting the pencil icon, you can change the name of the group.

Delete a group

A
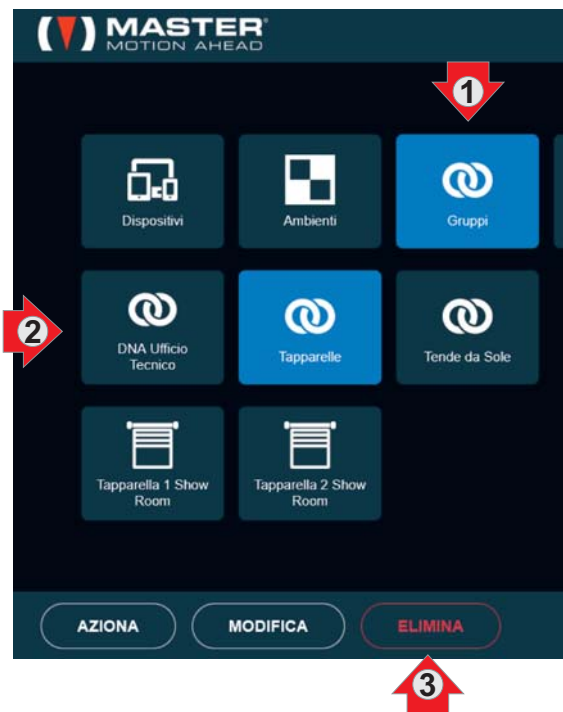
1 Select GROUPS

2 Select a group

3 Select DELETE

B

The Delete Group tab opens: if you want to delete the group from the I-GLU memory, select DELETE.

Attention: the deleted data cannot be recovered in any way!

A SCENARIO is a set of devices that you want to activate simultaneously, by sending a command that can be different for each device.
For example, you can command Up for the kitchen roller shutter, Down for the living room roller shutter, Turn on for the bedroom light and bring the awning halfway: all this by pressing a single button.
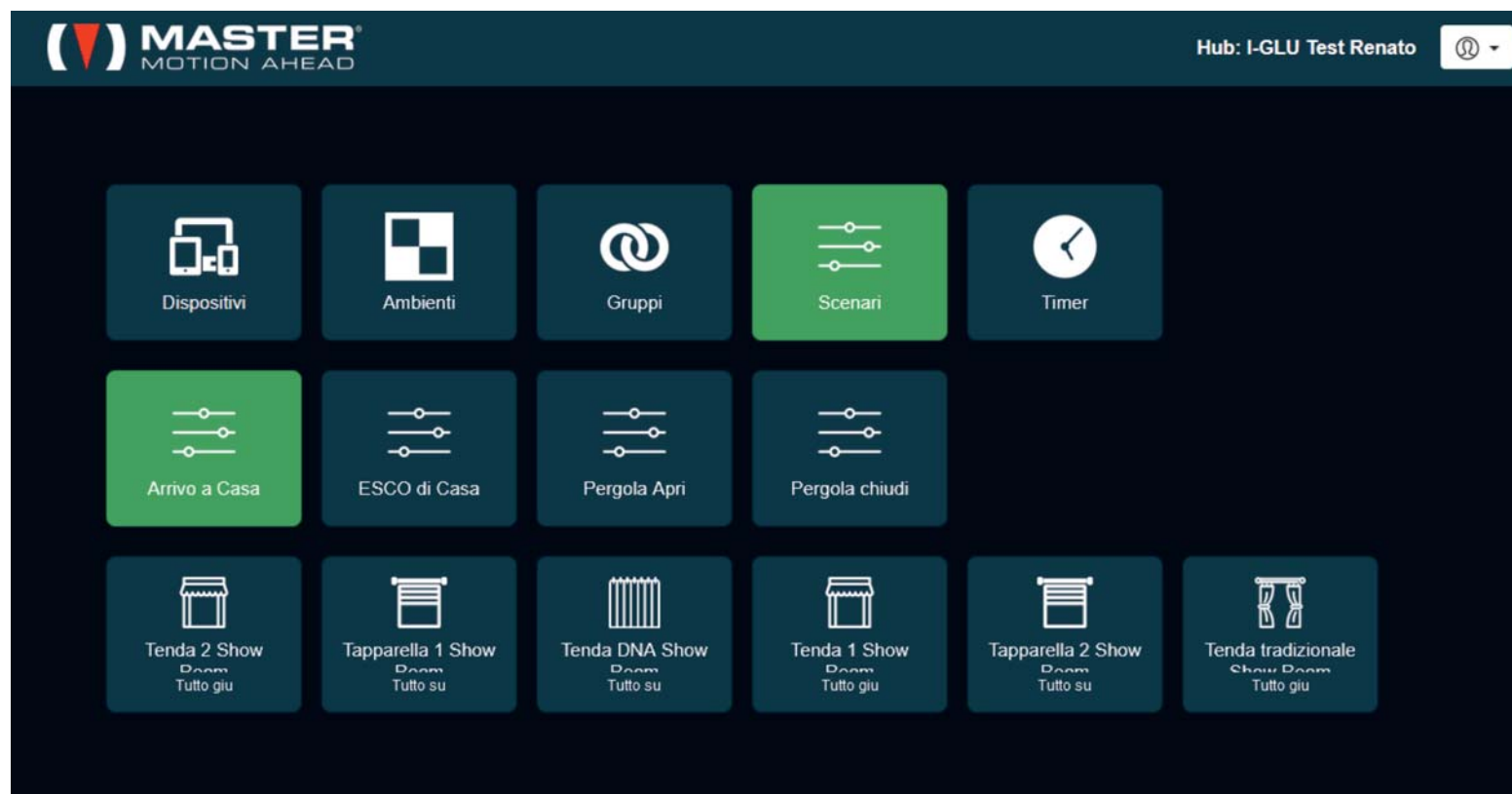
Example of a Control Panel where the At Home scenario has been selected

Add a scenario

A
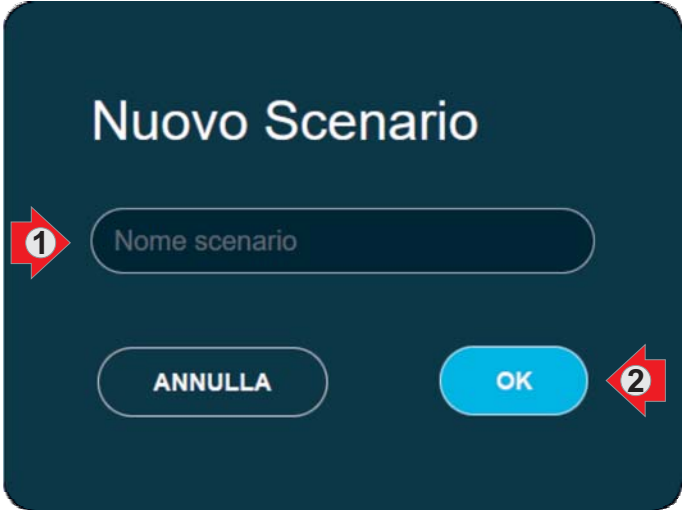
1 Select SCENARIOS

2 Select NEW

B

The New Scenario tab opens:
1 choose the name to assign to the scenario
2 select OK
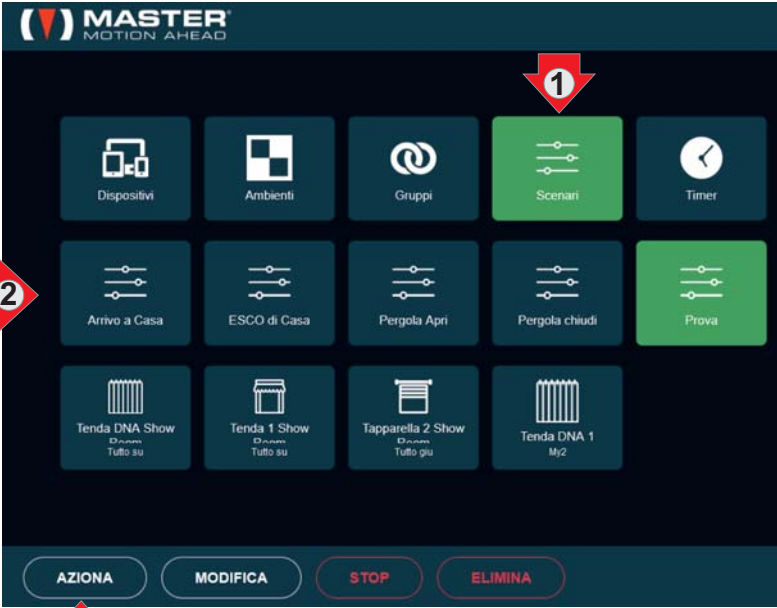
The Scenario composition tab opens:
① to add a device, select it from those available
② the device tab opens: choose the maneuver it must perform
③ select CONFIRM
④ once the composition is complete, select END

To remove a device from the scenario: select it and press DELETE. By selecting the pencil icon, you can change the name of the scenario.

Operate a scenario

A

1 Select SCENARIOS

2 Select a scenario

3 Select OPERATE

B

The Operate Scenario tab opens:
1 select CONFIRM to start the scenario
2 select STOP if you want to stop the moving devices
3 select the X to close the tab

Edit a scenario

A

① Select SCENARIOS

② Select a scenario

③ Select EDIT

B

The scenario editing tab opens:
① to add a device, select it from those available
② to change the setting of a device already in the scenario, select it and press CONFIGURE
② to remove a device already in the scenario, select it and press DELETE
③ once the modification is complete, select END
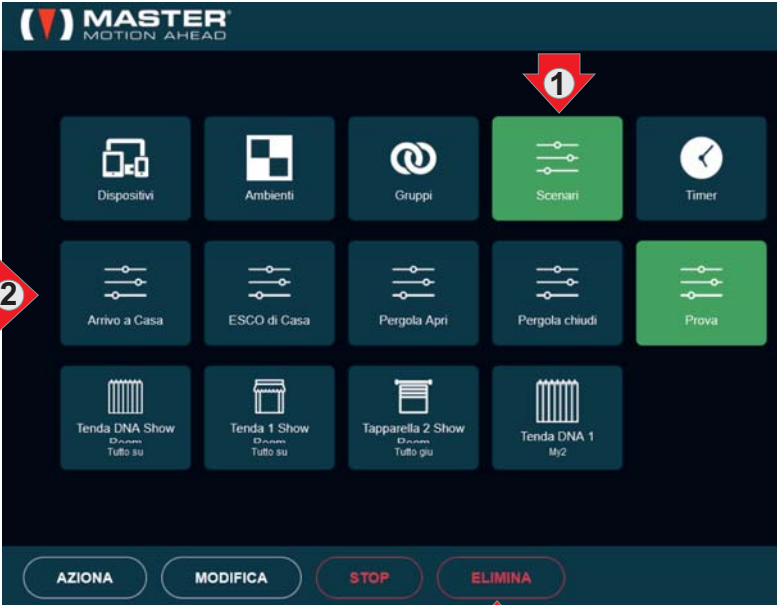
Delete a scenario

A

1 Select SCENARIOS

2 Select a scenario

3 Select DELETE

B

The Delete Scenario tab opens: if you want to delete the scenario from the I-GLU memory, select DELETE.

Attention: deleted data is not recoverable in any way!

A TIMER allows you to automatically activate a scenario on the days and at the times you set.

Example of Control Panel with Timer selected

Scenario List

Grid of timers
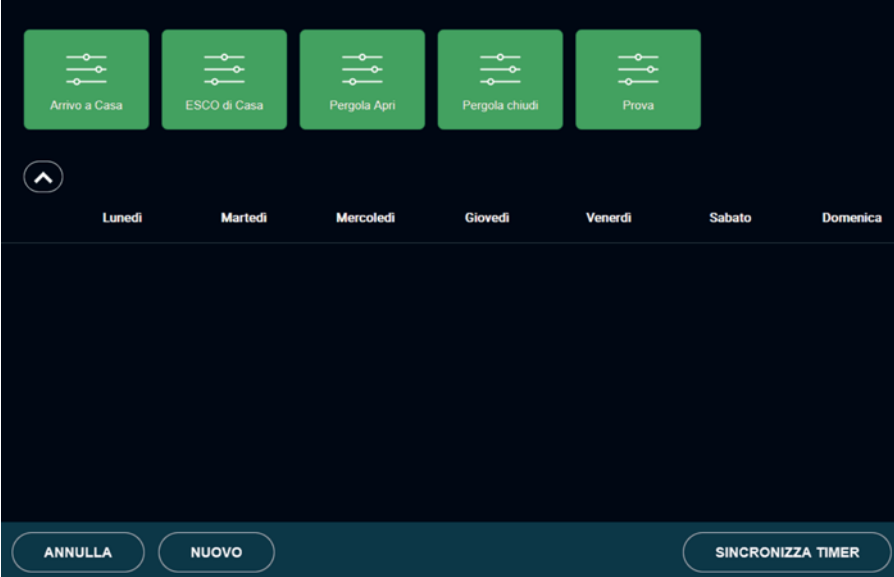
If you detect differences between what you set and what is actually executed, select Sync Timers: the timer grid will be updated with the timers stored in I-GLU.

Add a timer

A

Select TIMER: the timers page opens

Select NEW

B

The New Timer tab opens:
1 choose the scenario you want to automate
2 enter the time at which you want to activate the scenario
3 choose the days on which to activate the scenario
4 select OK
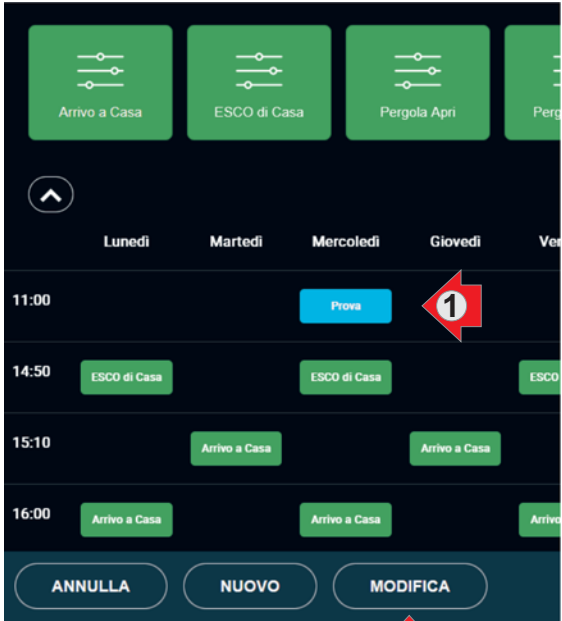
The timer you just created will appear at the time and on the days you chose.

Edit a timer

A

1 Select the timer you want to edit

2 Select EDIT

B

The Edit Timer tab opens:
1 if necessary, edit the scenario
2 if necessary, edit the time at which you want to activate the scenario
3 if necessary, edit the days on which to activate the scenario
4 select OK

The timer you just edited will appear at the time and on the days you chose.

Delete a timer

A
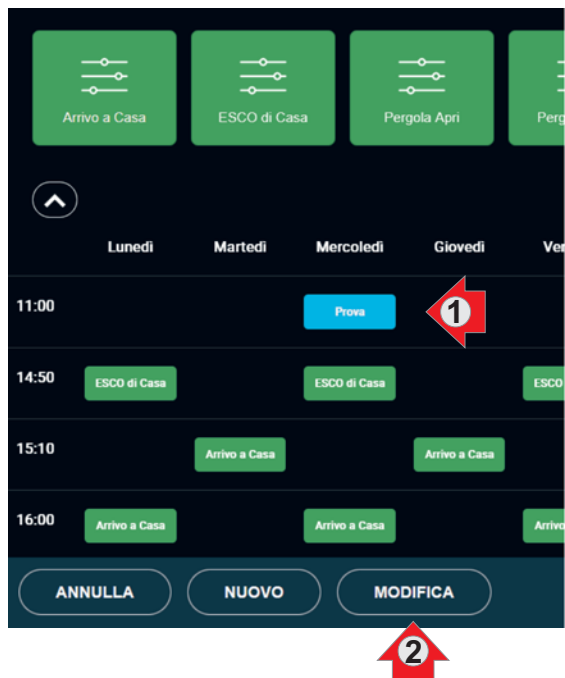
1 Select the timer you want to delete

2 Select EDIT

B

The Edit Timer tab opens:
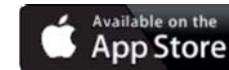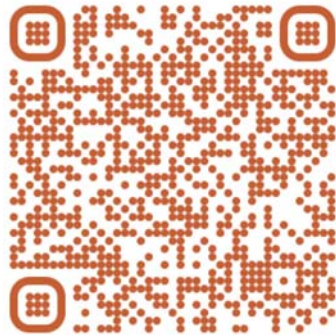**1** uncheck all days
2 select DELETE

6 USE

6.1 APP

Now you are ready to take control of your home.
As you have seen, you can control your devices using the Control Panel: you certainly have a complete tool at your disposal but it is not very practical for daily use.

For a better daily experience, we have developed the I-GLU app: available for both Android and iOS, it allows you to control all your devices configured via the Control Panel. Devices, groups, environments and scenarios cannot be modified using the app. The only settings allowed are those relating to timers.

To download the app, scan the QR code
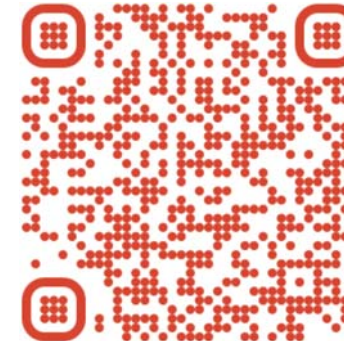
Alternatively, connect to the page https://www.mastermotion.eu/en/products/i-glu-4/ where you will find the links to the apps.

MASTER
MOTION AHEAD

CE Master spa hereby declares that the product complies with the requirements of Directive 2014/53/EU and 2011/65/EU + 2015/863. The full text of the declaration of conformity is available upon request.