

# EZY-LAN Wireless alarm panel with Ethernet + Wi-Fi + GSM + LTE

## 1 General

*EZY-LAN is an alarm control unit that combines the best of the latest technologies available with a pleasant, compact, modern and elegant design. It manages up to 64 external devices, which can be divided into a maximum of 8 freely partitionable sectors.*

*Up to 32 different users can control the control unit via App, keyfob or SMS messages. The double radio section of the latest generation in the 868MHz bidirectional multi-channel band allows safe, reliable and efficient communication.*

*EZY-LAN gives its best when connected to the internet - via Ethernet cable, 2.4GHz Wi-Fi or LTE data connection - and can be controlled in real time from the App on any device.*

*Whether it is a smartphone or a tablet (Apple iOS and Android), the management and programming interface is presented in the same form: simple, intuitive, immediate!*

*EZY-LAN integrates a video verification function - usable both with radio photo sensors and with IP cameras (Dahua, Sunell, Provision) - which allows you to view within the same App animated images relating to alarm events or captured at the request of the user.*

*EZY-LAN also interfaces with Shelly Wi-Fi modules for home automation control of lights, shutters, gate openings, irrigation or other generic electrical loads powered at 230Vac or 12Vdc.*

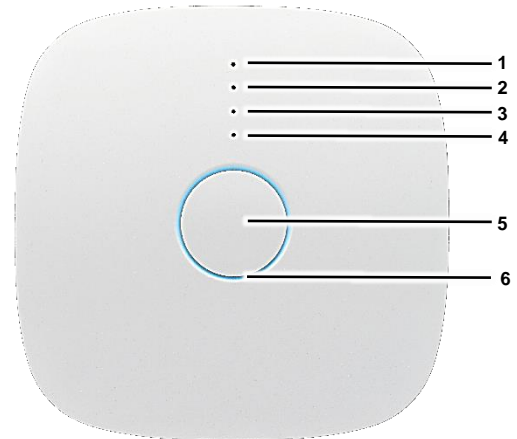
## 2 Priority of connections

*The channel used by the control panel for connection to the internet follows a priority logic. The Ethernet cable is the primary channel that is used if a network cable is connected.*

*Wi-Fi (if enabled in programming) is the alternative channel used when a network cable is not connected.*

*The LTE connection with the SIM card (if enabled in programming) is the channel used when the Ethernet / Wi-Fi connection is absent or there is no internet on one of the two connections.*

## 3 Identification of the parts



FRONTAL VIEW

- |                  |                                 |
|------------------|---------------------------------|
| 1 – led power    | 4 – led GSM + LTE               |
| 2 – led Ethernet | 5 – programmable central button |
| 3 – led Wi-Fi    | 6 – multicolor led ring         |

## 4 Signals of the luminous ring

*The luminous ring visible around the central button (6), if enabled during the programming phase, provides information on the status of the system.*

*The luminous intensity of the ring (6) is reduced after 60 seconds of inactivity of the control unit, to reduce any disturbance at night. Return to maximum brightness as soon as you perform an operation on the control unit.*

*When the control unit is powered only by battery (no external power supply), in order to reduce consumption, the ring (6) only flashes periodically.*

### Luminous ring signals meanings (6)

Green	Disarmed
Green / Blue (blinking)	Disarmed with door open
Green / Red (blinking)	Disarmed with alarm memory
Red	Totally armed
Orange	Partially armed Exit time (flashing) Entry time (flashing)
Violet (blinking)	Alarm in progress
White (blinking)	Panel in SETUP mode
Blue (blinking)	Panel in TEST mode

## 5 LED signals

The LEDs visible above the central button (1) (2) (3) (4) provide information on the power supply and connection status of the control unit.

When the control unit is powered by battery only (no external power supply), in order to reduce consumption, the LEDs (2) (3) (4) no longer give any indication.

Led	Status	Indication
1 Power	off	Panel turned off
	slow flashing	No power supply + battery ok
	quick flashing	Power supply present + battery absent
	steady on	Power supply present + battery ok
2 Ethernet	off	cable disconnected
	quick flashing	cable connected + internet / P2P absent
	steady on	cable connected + internet / P2P present
3 Wi-Fi	off	Module turned off
	slow flashing	Wi-Fi access point mode
	quick flashing	Wi-Fi router mode + internet / P2P absent
	steady on	Wi-Fi router + internet / P2P mode present
4 GSM / LTE	off	Module turned off
	slow flashing	SIM registered / GSM mode
	quick flashing	SIM not registered or other problems
	steady on	SIM registered / LTE mode + internet / P2P present

## 6 Battery

The control unit is internally equipped with a rechargeable lithium battery, which guarantees an autonomy of up to 15 hours in the absence of an external power supply.

When the battery level drops below the minimum operating threshold, the control unit **switches off automatically**, to preserve battery life. The control unit automatically switches back on when power is restored.

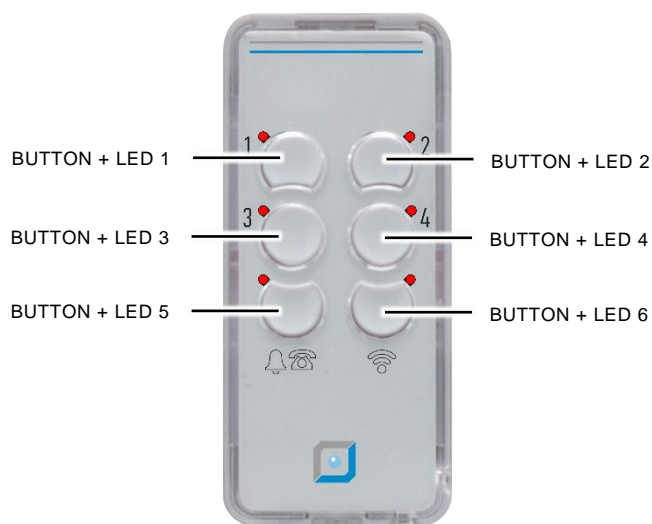
## 7 Control of the panel

The panel can be controlled by:

- Keyfob / remote control
- APP for smart devices  
This is the privileged tool, thanks to which you have complete control of the system in real time.
- SMS messages

## 8 Using the keyfob /remote control

Before being used, the remote control must have been configured in the control panel by the installer.



Button 6 requests the system status from the control panel and then displays:

TOTALLY ARMED	Led 1/2/3/4 steady ON
DISARMED	Led 1/2/3/4 flashing
PARTIALLY ARMED	Led 1/2 steady ON Led 3/4 OFF

Buttons 1-2-3-4, when pressed briefly, perform the operation for which they were programmed in the control panel (arming, disarming, scenario activation, etc)

Button 5, when pressed for at least 5 seconds, can generate a panic alarm or a silent alarm (if programmed in the control panel)

If the keyfob does not receive a response from the control panel (e.g. because it is out of range) or the control panel cannot carry out the command, LEDs 5 and 6 flash simultaneously

## 9 Using the App

The control unit can be controlled via a dedicated App available for IOS and Android systems on the relevant stores.

The first time the App is run, the graphical interfaces must be updated.

To connect to a control panel, it must be added to the list of devices to be managed.

Enter SETTINGS -> MANAGE DEVICES and perform one of the following actions:

- SEARCH LOCAL DEVICES - automatically searches for control panels connected to the same local network to which the App device is connected. In some cases, the modem / router or the device itself may block this type of request, so it will be necessary to proceed with the manual addition (next point)
- ADD WITH SERIAL / QR CODE - manually enter the serial / scan the QR code on the control panel label.

Press the "Back" button to return to the Home Page of the App, where you will find your control panel.

Click on the name of the control panel to reach the login page (LOGIN).

Enter your username and password, then press the ENTER key.

Use the following QR codes to download the App.



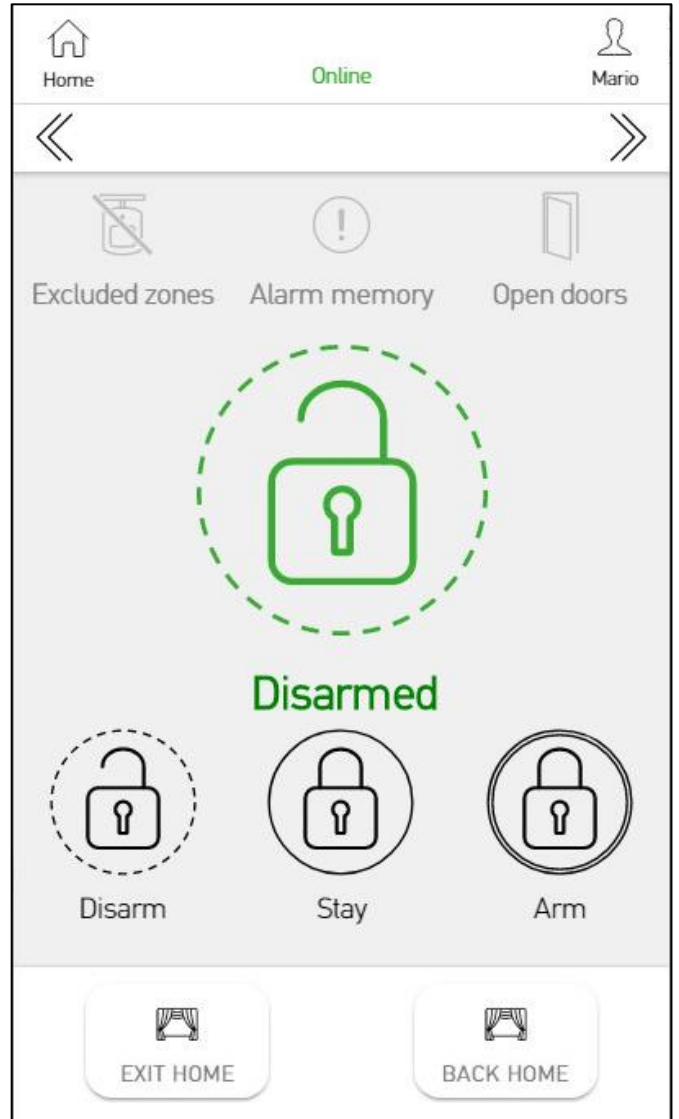
**APP for iOS (Apple)**



**APP for Android**

## 9.1 Home page

As soon as you log in, the main screen (Home) will open, displaying information on the status of the control panel.



Here you can change the arming of the system by using the buttons:

- **Disarm:** Disarm all sectors
- **Stay:** selection of the sectors to be armed
- **Arm:** Arm all sectors


**If the "Request Code from App" function is enabled, it will be necessary to enter the user code to confirm the operation.**

The icons at the top provide additional information on the system, by clicking on the relevant icon:


- **Excluded zones:** indicates the zones currently bypassed
- **Alarm memory:** indicates the zones that generated an alarm in the last arming period
- **Open doors:** indicates the zones that are open (if the function is active)

The bottom bar can be customized with links to Actions or Scenarios. To manage the favorites

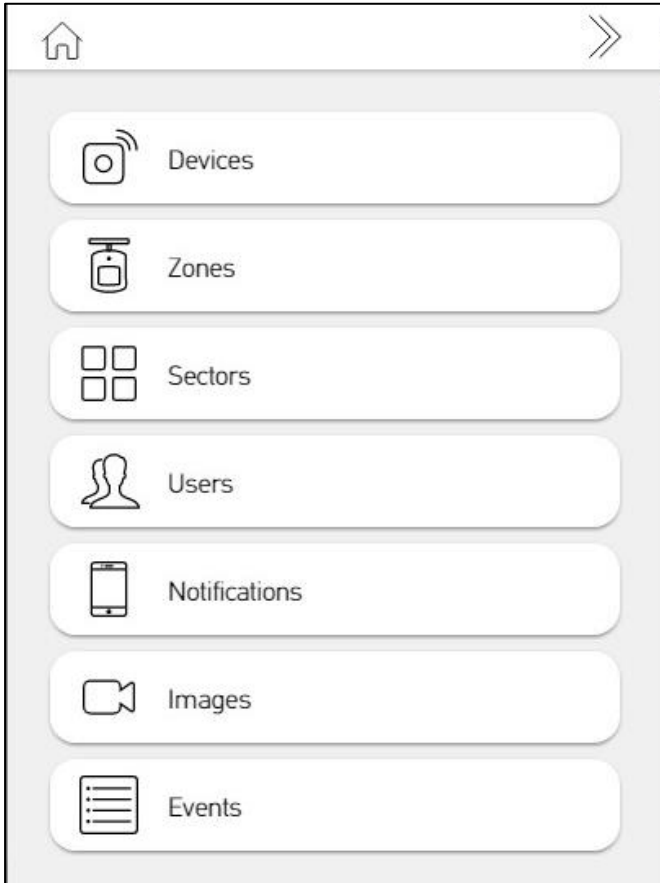
bar, click on the user icon (top right) and select "User Settings".

From any page, you can return to the Home by pressing the  (home).

## 9.2 Alarm control menu


From the Home page, by pressing the icon  (left double arrow) or swiping to the left, you access the Alarm Control Menu.

The Administrator User has access to all the items in this menu, while the Normal User has limited access to Sectors and Images items.

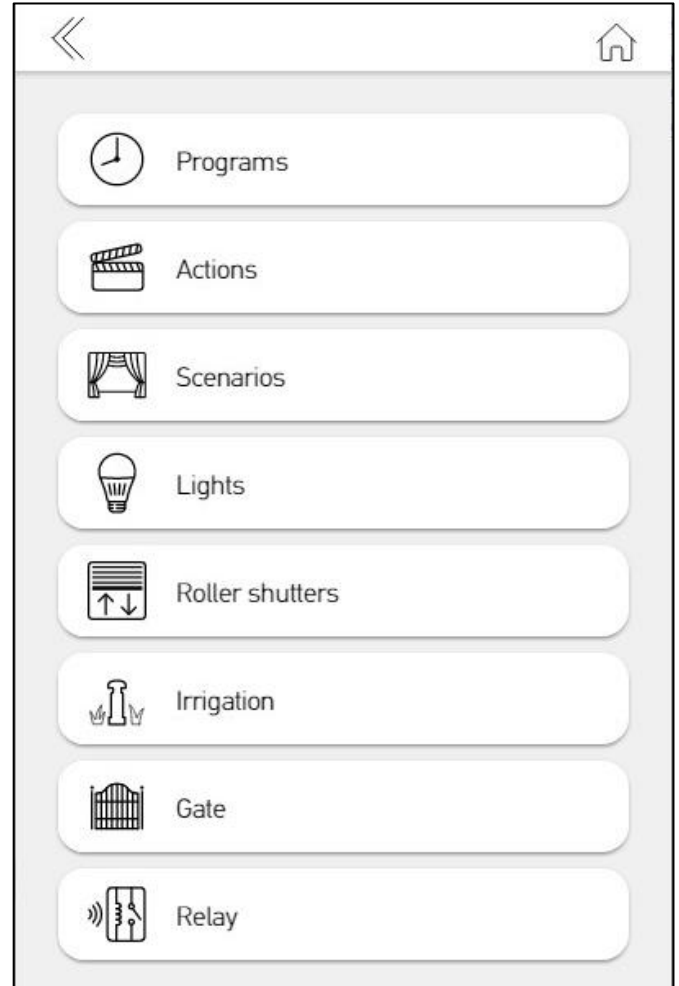


- **Devices:** displays the detailed status of the paired devices (control panel included) with indications on connection, power supply, radio transmissions, etc.
- **Zones:** displays the alarm status of the zones in real time, divided into various sectors, and it is possible to manually exclude the zones or the Alert signals (din-don)
- **Sectors:** displays the status of the sectors
- **Users:** displays the connected users and it is possible to enable / disable the access of the Installer user
- **Notifications:** view and change the settings for sending notifications to the various users
- **Images:** displays the video verification images of the devices on which the user is enabled and allows to manually request new images.
- **Events:** displays the complete and detailed list of the 5000 panel events

## 9.3 Home automation control menu

From the Home page, by pressing the icon  (right double arrow) or swiping to the right, you access the home automation control menu.

The Administrator User has access to all the items in this menu, while the Normal User does not have access to the Programs item.



- **Programs:** displays all scheduled programs set with the possibility of enabling / disabling
  - **Actions:** displays and allows the execution of all the Actions programmed in the control unit
  - **Scenarios:** displays and allows the execution of all the Scenarios programmed in the control unit
  - Home automation control divided by:
    - **Light**
    - **Roller shutters**
    - **Irrigation**
    - **Gate**
    - **Relay**
- It displays the status in real time and allows manual control of all the home automation outputs inserted in the sectors to which the user has access.

## 10 Using SMS Messages

The control unit can be controlled by sending simple SMS messages.

The control unit must have an active SIM card connected to the telephone carrier.

SMS messages can be sent using the DUEVI ALARM PRO app, available for IOS and Android systems in the respective stores.

**Each SMS must begin with a user code, which uniquely identifies the user and his authorisations in the control panel.**

xxxxxxx.<command>

where xxxxxx = 6-digit user code

**Commands will be executed by the control panel only if the user is enabled to execute them.**

**The control panel accepts SMS commands from any telephone number and responds with a confirmation or error text message**

**SMS commands have a precise syntax which must be respected!  
Do not enter spaces or other characters other than those indicated below.**

### 10.1 Request system status

xxxxxxx.status

The control panel responds with an SMS containing the status of the sectors associated with the user.

### 10.2 Total arm

xxxxxxx.arm

The control panel arms all sectors associated with the user.

### 10.3 Individual sectors arm

xxxxxxx.arm.Y.Y.Y.Y

Y= number of the individual sector to arm

Examples:

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arm.1.3.5	arm sectors 1+3+5
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arm.2	arm sector 2
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The control panel arms the individual sectors indicated only if they are associated with the user.

### 10.4 Total disarm

xxxxxxx.disarm

The control panel disarms all sectors associated with the user.

### 10.5 Individual sectors disarm

xxxxxxx.disarm.Y.Y.Y.Y

Y= number of the individual sector to disarm

Examples:

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disarm.1.2.6	disarm sectors 1+2+6
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disarm.4	disarm sector 4
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The control panel arms the individual sectors indicated only if they are associated with the user.

### 10.6 Enabling installer access

xxxxxxx.installer.on

The control panel enables installer access.

### 10.7 Disabling installer access

xxxxxxx.installer.off

The control panel disables installer access.

### 10.8 SIM Data Activation

xxxxxxx.apn.Y

Y= apn address for internet access

Examples:

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apn.mobile.vodafone.it	enable data for italian Vodafone SIM
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The control panel sets the indicated apn address and enables the SIM data connection.

### 10.9 GSM Status Request

xxxxxxx.statusgsm

The control panel responds with an SMS containing GSM status, carrier name and signal level.

### 10.10 GSM module reboot

xxxxxxx.rebootgsm

The control panel performs a reboot of the GSM telephone module.

### 10.11 Control panel reboot

xxxxxxx.reboot

The control panel performs a complete reboot.