



USER MANUAL



Download on the
App Store



GET IT ON
Google Play



Download on the
App Store



GET IT ON
Google Play



YONUSA MOBILE APP AND WIFI SLIM CARD SETUP

Chopo No. 612 at the corner of Encarnación Ortiz and Arenal Extension
Delegation Azcapotzalco CP 02980, Mexico City

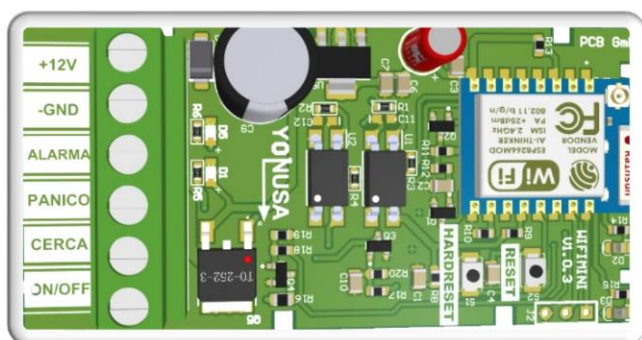
www.yonusa.com

Mexico City: 53 58 07 96

Interior of the Republic: 01 800 YONUSAA (9668722)

SPECS

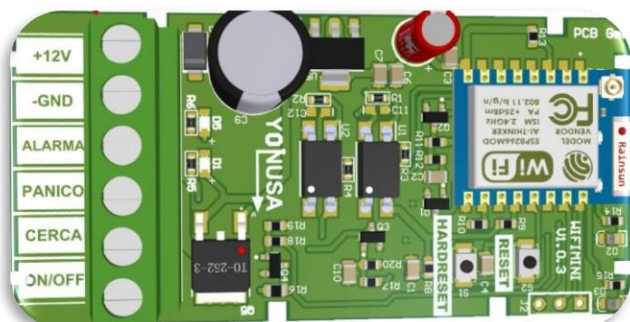
Power supply	Input: 127/220VAC 50-60Hz Output: 12VDC
WIFI Standard	805.11 b/g/n
Data transfer speed	130 Mbit/Sec
Working frequency	2.4 GHz
Password encryption	WPA, WPA-2, TKIP
Data frequency channels	1, 6, 11
Recommended connection power	55 – 75 dBm
Temperature range	- 30 to 60 °C
Output relay capacity.	12 Vdc – 127/240 Vac – 10A
Cabinet Dimensions	100mm x 43mm x 20mm
Degree of protection of the cabinet	IP55



INDEX

1. Slim Wi-Fi Card	4
1.1 PINOUT	4
2. CONTROL TERMINALS	4
3. WIFI SLIM COMMUNICATION MODULE	5
3.1 RESET OPTIONS	5
3.2 LED INDICATORS	6
4. YONUSA ENERGIZERS AND SLIM WIFI MODULE	7
4.1 CONNECTING DEVICES	7
4.2 INSTALLATION AND CONNECTION RECOMMENDATIONS	9
5. YONUSA MOBILE APPLICATIONS	13
5.1 YONUSA INSTALLERS	13
5.1.1 YONUSA ACCOUNT	14
5.1.2 ADDING AN ELECTRIC FENCE	15
5.2 YONUSA PLUS FENCES (CONTROL AND MONITORING)	21
5.2.1 YONUSA ACCOUNT	21
5.3 CONTROL AREA	24
6. NOTIFICATIONS	25
7. USER MANAGEMENT AND CONTROLS.	26
8. UNSUBSCRIBE MAC ADDRESS	26
9. COMMON PROBLEMS	26

1Slim Wi-Fi Card



1.1PINOUT

1. **+12V:**

Positive voltage input of up to 12 Volts of Direct Current.

2. **-GND:**

Negative voltage input.

3. **ALARMA:**

Electric fence alarm activation sensor terminal.

4. **PANIC:**

Alarm activation output via the panic function

5. **NEAR:**

Energizer on/off sensor terminal

6. **ON/OFF:**

Output for turning the energizer on and off

2 CONTROL TERMINALS

The M-WIFI card has 2 ON/OFF outputs:

- NEAR
- PANIC

These outputs are designed solely for the operation of said energizer functions.

- ***IMPORTANT:*** *The control terminals **THEY ARE ONLY ON/OFF OUTPUTS** In the case of monitoring, the remaining terminals are also responsible for monitoring the assigned functions.*

Note: *The ON and SIR outputs correspond to the connection board (kulka) of the WIFI module described in point 4 of this manual.*

3 Slim Wi-Fi Communication Module

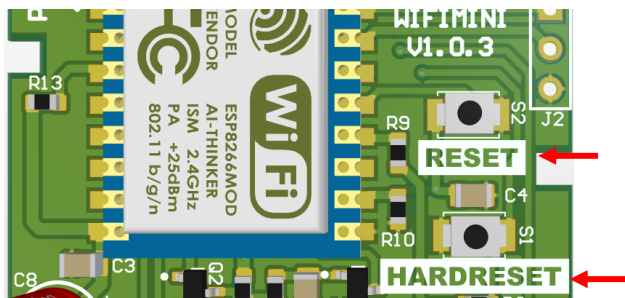
The WIFI module offers control and monitoring of the electric fence, using WIFI communication or via 3G/4G network with your mobile device through our YONUSA PLUS FENCES and YONUSA INSTALLERS applications.

The module has two reset options that perform specific functions depending on the configuration status of the module.

It also has LED indicators that allow you to know the configuration status of the device and select the correct reset option.

3.1 RESET OPTIONS

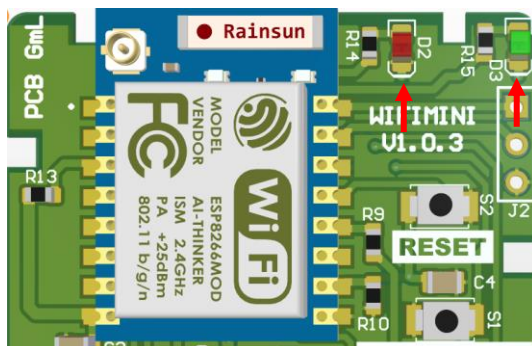
Reset options restart the M-WIFI card and WIFI module systems, allowing them to function optimally if a problem arises with the device.



- **RESET:** Performs a full system reset without erasing any data stored on the module.
- **HARD RESET:** Performs a full system reset, erasing all data stored on the module and restoring the entire system to factory settings.

3.2LED INDICATORS

The WIFI module has 2 LED indicators, each indicator has a different color and each has its own function description.



RED:

- **Fixed:** Indicates that the device has not been registered in the system (YONUSA Application) and that it does not have any data recorded in the WIFI module.
- **Button:** Indicates that the module lost communication with the server and is reconnecting.

GREEN:

- Fixed: Indicates that the module has already connected to the Wi-Fi network configured from the INSTALADORES YONUSA application.
- Button: Indicates the connection to the server, which will allow all the information configured from the YONUSA application to be stored and allow access to device control.

To determine and know that the WIFI module is connected and working together with the application, the following must be turned on: **RED AND GREEN LED**, both LEDs indicate that the WIFI module is already configured and connected to the network.

4 YONUSA ENERGIZERS AND SLIM WIFI MODULE

The WIFI module is a device that offers an ON/OFF system for actuators controlled remotely by our mobile device, allowing us to give the device countless uses.

The main use and objective of the WIFI module is the control and monitoring of YONUSA energizers (Electric fences).

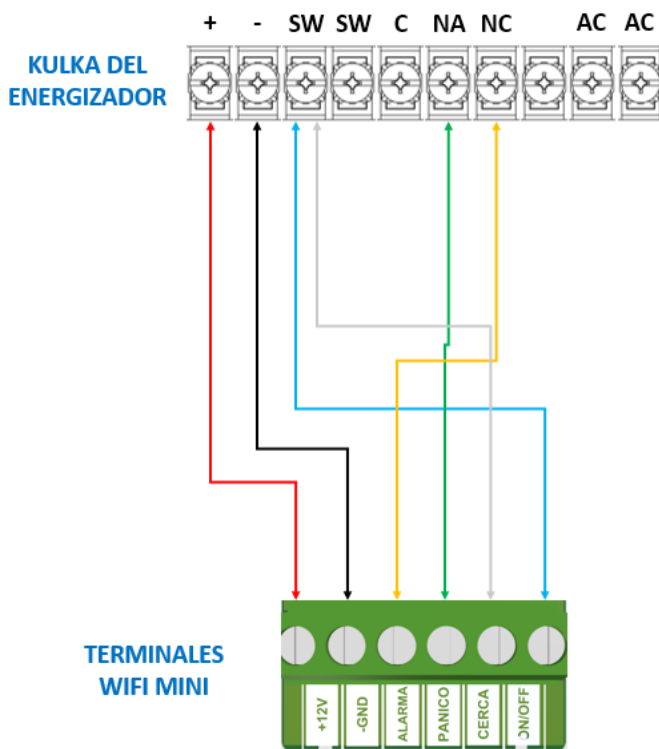
The WIFI module connects to the energizer via connections through the kulka and terminal block of both devices, allowing it to be turned on and off using the control button in the application, notifying the user in real time of the action performed from the application.

The application has a panic button to control the on and off of the siren as well as providing a notification the instant the siren is activated due to the energizer. (**OBSERVE POINT 5**).

4.1 CONNECTING DEVICES

To make the connections between the WIFI module and the Energizer, you must identify the connection board or known as KULKA as well as the designation of each port in order to make a proper connection.

Each connection has a function that will allow the control and monitoring of the energizer through the WIFI module in conjunction with the YONUSA PLUS FENCES application, each connection corresponds to:



- **(+) and (-):** These are the 12-volt DC power supply required by the module for operation. They also serve as the power sensor, which indicates whether the Wi-Fi module is on or off.
- **SW:** It will allow us to turn the energizer on and off using the YONUSA application.
- **NA:** It corresponds to the activation of the siren by means of the panic button.
- **NC:** It corresponds to the sensor that detects the activation of the electric fence alarm.

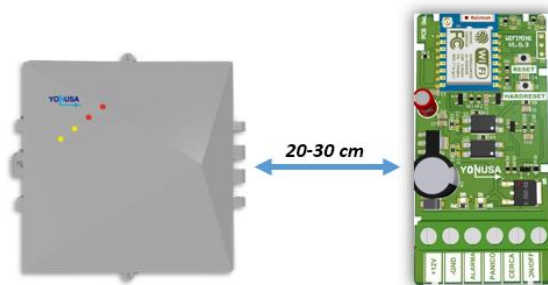
4.2 INSTALLATION AND CONNECTION RECOMMENDATIONS

It must be taken into account that you are working with devices that have a very different operating purpose and the main differentiator is that the energizer generates high voltage and a phenomenon called **INDUCTION DUE TO THE CIRCULATION OF HIGH VOLTAGE**.

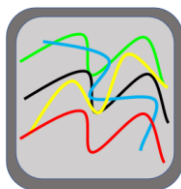
While the WIFI SLIM module operates by monitoring and works with a commercial or common voltage.

This is important to keep in mind to prevent this phenomenon from reaching the WIFI SLIM module and ensure it works optimally. Therefore, the following installation and connection recommendations should be taken into account:

- Avoid having both devices, the energizer and the WIFI SLIM module, connected. Try to install them as far away from each other as possible. The recommended separation distance is **40-50 cm minimum and 2 m maximum**, the further away the devices can be, the more we will avoid induction in the WIFI SLIM module, avoiding damage to the components or involuntary restart of the system.

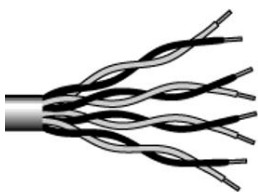


- The connections made between the KULKA and the device terminals must be as neat and clean as possible, by this we mean that the cables used do not interfere with any of the internal connections made in the energizer, the most important thing is that **The cables do not pass through or interfere with the high voltage terminals that energize the electric fence..**

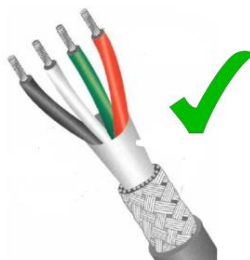


- Use 20 or 22 gauge wire for connections between devices. The strength of the wire allows for good conduction without voltage drops. There are types of wire that allow for easy connections and clean, organized wiring, such as 4x20 and 4x22 gauge. **IT IS NOT FUNCTIONAL TO USE UTP CABLE.**

UTP

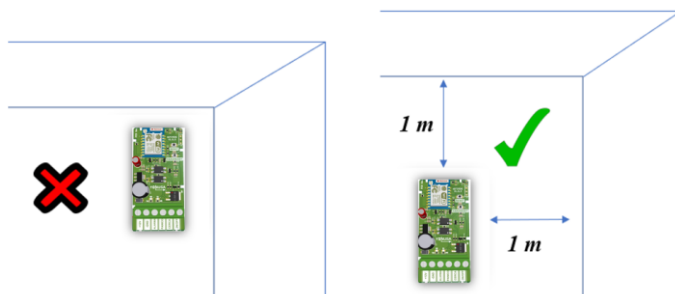


AWG 4X22

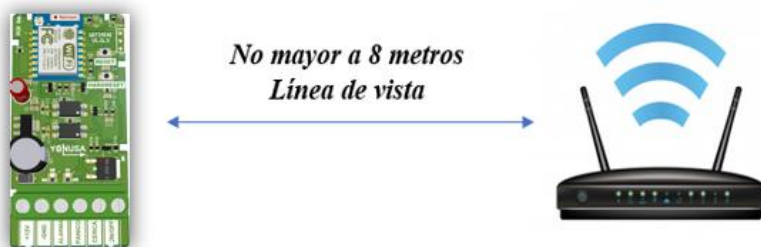


- Place the WIFI module on open walls without a corner and without a ceiling where there is no type of electrical installation, in case of a wall with a ceiling place the WIFI module on **1 meter** minimum distance from

ceilings and walls, as well as not placing the device in corners with a ceiling, this generates poor network reception towards the WIFI module.



- It is recommended to install the WIFI module as close as possible to the modem, this will greatly help the device not to lose the local network (Internet) signal, the maximum recommended distance is 8 meters line of sight, counting on a commercial modem with 2.4GHz technology, this may vary depending on the signal strength provided by the modem.

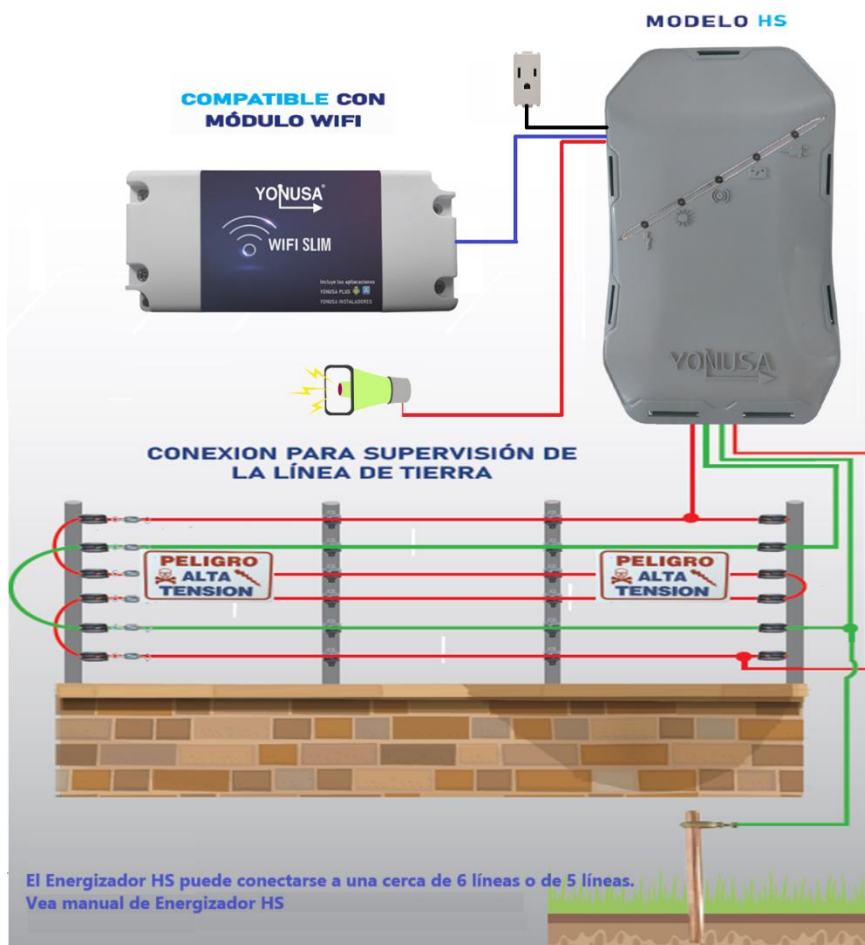


- In case the modem is far from the device and there is no possibility of bringing it closer, you can opt for a **repeater**, which

It will allow the signal to be extended and allow the WIFI module to have good reception of the internet signal.

Modulo WIFI*Repetidor**Modem***CAUTION**

- When you connect the WIFI SLIM module to the Internet with the Yonusa Plus or Yonusa Installers application and every time you restart the module, it will turn on the Energizer. You can turn it off and on again normally with any of the apps.



5 YONUSA MOBILE APPLICATIONS

YONUSA has two applications for configuring and monitoring the electric fence in conjunction with the different models of WIFI MODULES (See models at the end of the manual):

- YONUSA Installers
- YONUSA Plus Fences

5.1 YONUSA INSTALLERS

This application allows us to perform all device configuration as an installer without the need to request information from the end user.

It allows us to perform the necessary tests to ensure the correct operation of the YONUSA WIFI MODULES before providing controls and monitoring to the end user with YONUSA PLUS FENCES.



The YONUSA INSTALLERS application will allow us to control and monitor the WIFI module. **To download the application please follow the steps below:**

- Go to the app store on your cell phone.
- Once inside, choose the "Search" option and type "YONUSA INSTALLERS" in the corresponding field.
- Select the "download" option, accepting the terms, conditions, Wi-Fi connection permissions, and device identifier.
- Once the application is installed, it will be ready to be used.

5.1.1 YONUSA ACCOUNT.

Once you have downloaded the Yonusa app to your mobile phone, you will need to create your own Yonusa account. To do so, please follow these steps:

- Access the Yonusa application, which will display the home screen:
- Press the "Create account" option.
- A screen will appear where you must enter the data of the person who will create the account.
- A screen will appear where you can see your data privacy notice. To continue, you must accept this notice by clicking the save icon.

Instaladores Yonusa

YONUSA

Crear cuenta

Nombre

Apellidos

Correo electrónico

Contraseña mostrar

☐ Recordar Datos

[Recuperar contraseña](#)

Iniciar sesión

Crear cuenta

Instaladores Yonusa

YONUSA

Crear cuenta

Nombre

Apellidos

Correo electrónico

Contraseña mostrar

Confirme contraseña mostrar

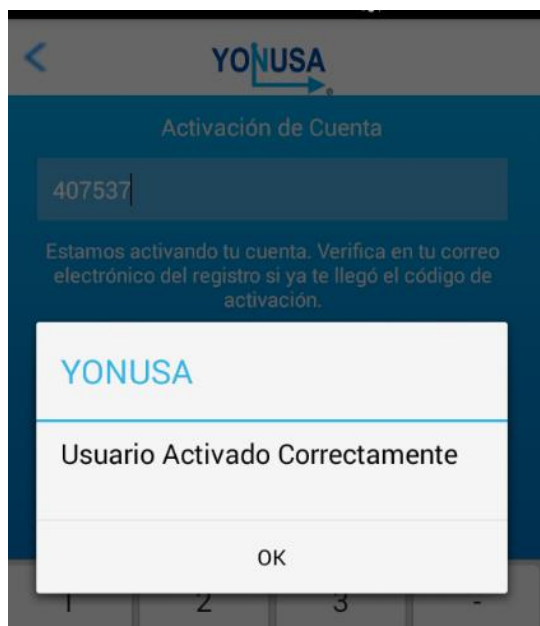
+52 Tel. Móvil

☒ Acepto las políticas de privacidad

CREAR CUENTA

- A screen will appear where you can see your data privacy notice. To continue, you will need to accept this notice. Click the save icon.
- An email will be sent to the address you registered from appservice which will contain an activation number.
- The activation code will be entered in the field shown:

h) You will be notified on screen and by email that your account has been activated.



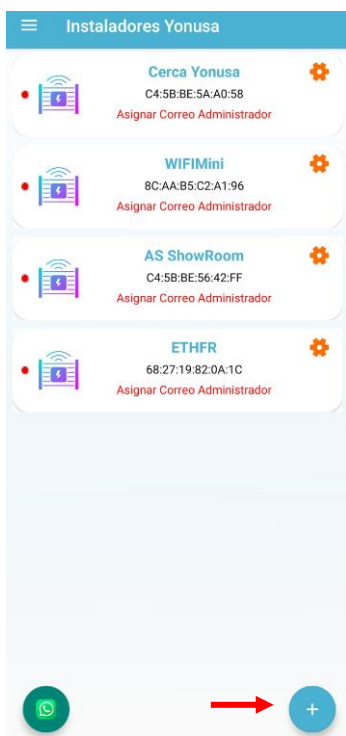
5.1.2 ADD AN ELECTRIC FENCE.

To configure a Yonusa electric fence energizer to your account in the app, we recommend that you have the following information on hand:

- Name of the network to which you want to connect your energizer.
- Corresponding password.

Once you have the above data please follow these steps:

- a) Log in to your Yonusa account and press the MORE icon to select the Wi-Fi module option.



- b) You will be prompted to locate the “Hard Reset” button and hold it until the red LED next to it lights up. This will create the “Yonusa XX:xx:XX:xx” network. This network should be displayed in your mobile phone’s networks.

YONUSA®

Ahora conectate a la red:

#YONUSA



REFRESCAR

Localiza el botón hardreset en la tarjeta que se muestra arriba, y presionalo hasta que se encienda un led rojo. Esto generará una red a la que deberás conectarte. Para conectarte es necesario ir a Ajustes y en el menú de conexión wifi, seleccionar la red #YONUSA e introducir la contraseña: yonusa0123, al establecer conexión deberás volver a la app Yonusa para continuar con la configuración.

Internet

AT&T
No se conectarán automáticamente los datos móviles

Wi-Fi
Buscar redes Wi-Fi y conectarse a ellas

IZZI-B8BA
Conectada

#YONUSA
C4:5B:BE:5A:A0:58
Guardada / No se establecerá conexión automáticamente

Capacitacion Yonusa
Guardada

Invitados Yonusa
Guardada

Totalplay-C3A3
Guardada / Sin acceso a Internet

CDMX-Internet para Todos
Guardada / No se establecerá conexión automáticamente

- c) Access your cell phone's Wi-Fi settings and connect to the Yonusa network with the password "yonusa0123" Once connected, please press the "Refresh Wi-Fi" button.

YONUSA®

Siguiente

Ya estás conectado a

#YONUSA C4:5B:BE:5A:A0:58



REFRESCAR

Localiza el botón hardreset en la tarjeta que se muestra arriba, y presionalo hasta que se encienda un led rojo. Esto generará una red a la que deberás conectarte. Para conectarte es necesario ir a Ajustes y en el menú de conexión wifi, seleccionar la red #YONUSA e introducir la contraseña: yonusa0123, al establecer conexión deberás volver a la app Yonusa para continuar con la configuración.

- d) The Wi-Fi card will display the networks scanned by the Wi-Fi module (not the networks scanned by the cell phone). Please choose the network you wish to connect the module to, ensuring that the signal strength is medium to excellent. Do not, under any circumstances, connect the energizer to a network with poor signal reception.
- e) Enter the network password and the fence name or ID. If you don't find the network you want to configure, press the "Refresh Networks" button to find your network.



Selecciona una red

Hemos encontrado éstas redes cercanas, selecciona una para continuar la instalación.

Totalplay-5FAB


INFINITUMA368_2.4


INFINITUM860A_2.4


Capacitacion Yonusa


./..


INFINITUMA5BC_2.4


IZZI-B8BA


Time Capsule Kleverness


Actualizar redes



Agregar usuarios

Verifica los datos de configuración sean correcto, el dispositivo Yonusa se conectará a la red con los datos que le proporciones:

IZZI-B8BA

Contraseña de la red wifi

Nombre de tu dispositivo

REGISTRAR DISPOSITIVO

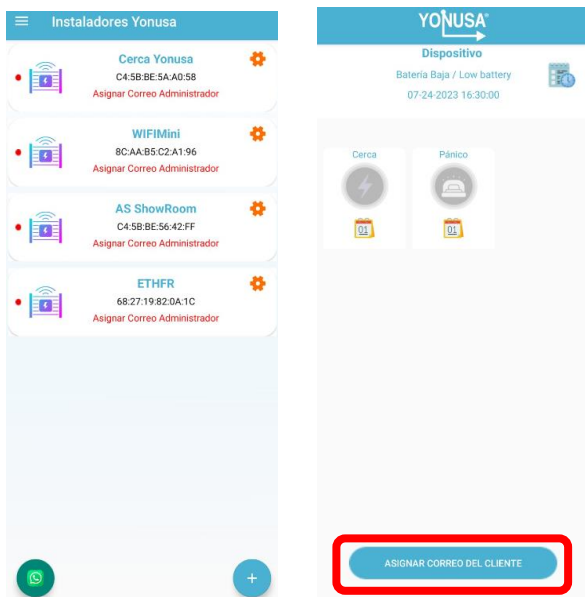
- f) When REGISTERING DEVICE, the application will generate a timer to configure the device.



Se está configurando tu módulo Wifi

La red Wifi de Yonusa se desconectará, asegúrate de estar conectado a una red que cuente con servicio de internet antes de continuar. En un momento serás dirigido a la pantalla principal, espera por favor.

- g) Once the process is complete, make sure your device appears in the app and your fence will be added to your Yonusa account and ready to be controlled.



- h) Finally, only assign the device to the end user with the email that was registered in CERCOS YONUSA PLUS so that they can control the device.

Instaladores Yonusa



Asignar Cerca

Ingresa el correo electrónico que será administrador de esta cerca. Recuerda que de no ingresarlo no podrá ser operada.

Ingresa el correo del administrador

ASIGNAR CERCA

5.2 YONUSA PLUS FENCES (CONTROL AND MONITORING)

This application is designed for the end user to control, monitor, and manage the device and the electric fence, making it easier to use the entire Smart Fence system.



The CERCOS YONUSA PLUS application will allow us to control and monitor the WIFI module. **To download the application please follow the steps below:**

- Go to the app store on your cell phone.
- Once inside, choose the "Search" option and type "FENCES YONUSA PLUS" in the corresponding field.
- Select the "download" option, accepting the terms, conditions, Wi-Fi connection permissions, and device identifier.
- Once the application is installed, it will be ready to be used.

5.2.1 YONUSA ACCOUNT.

Once you have downloaded the Yonusa app to your mobile phone, you will need to create your own Yonusa account. To do so, please follow these steps:

- a) Access the Yonusa application, which will display the home screen:
- b) Press the "Create account" option.
- c) A screen will appear where you must enter the data of the person who will create the account.

- d) A screen will appear where you can see your data privacy notice. To continue, you must accept this notice by clicking the save icon.

The image displays two side-by-side screenshots of the YONUSA mobile application interface. Both screens are titled 'Cercas Yonusa Plus' at the top.

Left Screenshot (Login Page):

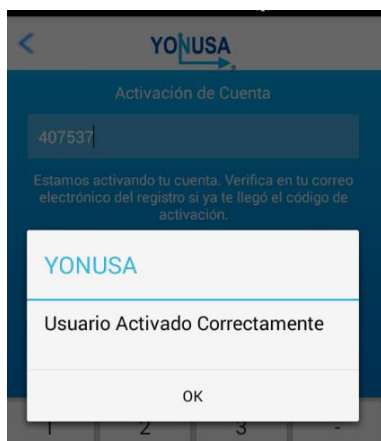
- Header: YONUSA logo and 'Iniciar Sesión' text.
- Form fields: 'Correo electrónico' and 'Contraseña' (with a 'mostrar' link).
- Options: A checked 'Recordar Datos' checkbox and a 'Recuperar contraseña' link.
- Buttons: 'Iniciar sesión' (blue) and 'Crear cuenta' (yellow, with a red arrow pointing to it).

Right Screenshot (Registration Page):

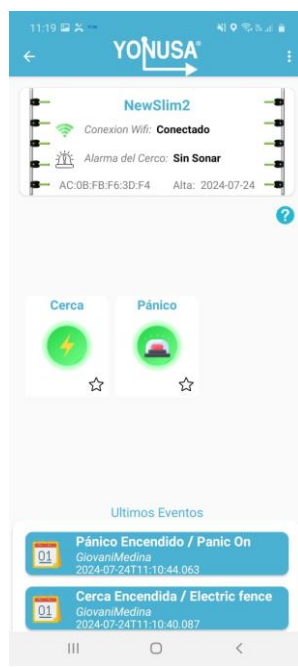
- Header: YONUSA logo and 'Crear cuenta' text.
- Form fields: 'Nombre', 'Apellidos', 'Correo electrónico', 'Contraseña' (with a 'mostrar' link), 'Confirme contraseña' (with a 'mostrar' link), a country code dropdown (showing '+52'), and 'Tel. Móvil'.
- Options: A checkbox for 'Acepto las políticas de privacidad' (with a red arrow pointing to it).
- Buttons: 'CREAR CUENTA' (blue, with a red arrow pointing to it).

- e) A screen will appear where you can see your data privacy notice. To continue, you will need to accept this notice. Click the save icon.
- f) An email will be sent to the address you registered from appservice which will contain an activation number.
- g) The activation code will be entered in the field shown:

h) You will be notified on screen and by email that your account has been activated.



5.3CONTROL AREA

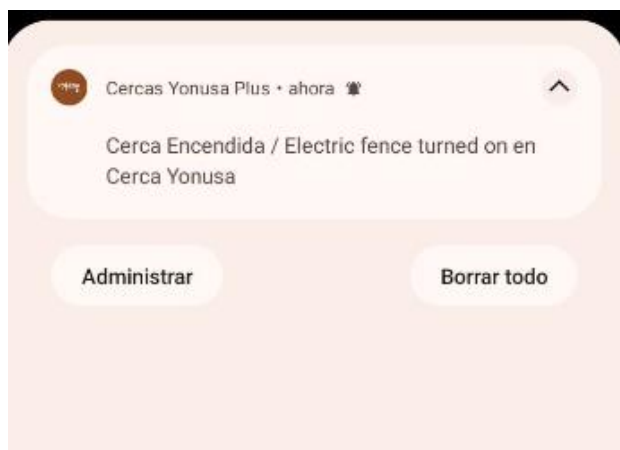


In this section you can control the on/off of:

- Electric fence energizer.
- Panic Button.

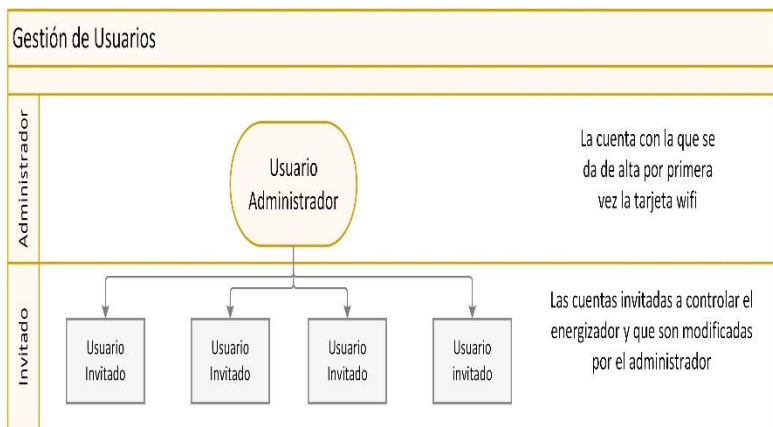
6 NOTIFICATIONS.

When any action is taken on the electric fence or any of its accessories, your mobile phone will emit a small sound and display a notification on the screen of what's happening with your electric fence or its accessories. This includes: alarm triggered (due to power cut or grounding), fence off, power disconnected, low battery, etc.



7 USER MANAGEMENT AND CONTROLS.

The Mobile App has two user levels, Administrator and Guest.



8 MAC ADDRESS UNSUBSCRIBE

To change or remove the administrator user of the wifi card please press the button **“HARD RESET”** until the Yonusa network is created, take the MAC number.

It should be **SEND** via WhatsApp, email, or by phone, where the engineering department will assist you with the process. Contact details are at the end of this manual.

9 COMMON PROBLEMS

CONTROL OUTPUTS ARE NOT ACTIVATED

This can happen for the following reasons:

- ***There is no communication between the WIFI SLIM card and the APP:*** In this case, the first thing we have to check is if the local network to which the WIFI module was configured has an Internet connection or that the modem is not turned off. If the local network does not have any problems, we proceed to check the status of the LED indicators of the WIFI module. **(POINT 3.2),**

This will allow us to detect what the problem is, having the following situations:

Yo) Green LED flashing: When this happens it is because the WIFI SLIM module cannot find the internet network to which it was configured, it may be due to low signal strength, no internet or it got stuck in the same process due to the loss of internet on several occasions. We press the **reset button** once and wait for it to return to its normal configuration (**POINT 3.2**).

ii) Fixed green LED: In this case the WIFI module has a connection to the server, but not to the Internet, it may be somewhat redundant that it can connect to the server but does not indicate that there is an Internet connection (red LED) this is because the signal strength is still low and the only thing that allows it to do is connect to the server, but the signal is not good enough to be able to carry out the rest of the processes, the network would have to be checked and that it works optimally. We press the **reset button** once and wait for it to return to its normal configuration (**POINT 3.2**).

THE FENCE APPEARS BLACK IN THE APP

The reasons for this event may be the following:

- ***The WIFI SLIM module has no power:*** The Wi-Fi module must be powered with 12 V DC. If this power is lost, or if the voltage drops too low to power it on, the module automatically loses all connectivity and appears offline in the app. Just verify that the device is powered on and has the correct voltage.
- ***The WIFI SLIM module has no internet connection:*** In this case, the first thing we have to check is whether the local network to which the module was configured works. If not, check the WIFI module to see what state the indicators are in. ***Read sections i) and ii) of the previous problem.***

TURN OFF THE ENERGIZER OR THE MODULE SENDS FALSE NOTIFICATION ALERTS

This can happen for the following reasons:

- ***High voltage induction in the WIFI SLIM module:*** If the devices were not installed correctly or did not follow the recommendations, one of the problems is likely to be the induction of high voltage from the energizer, causing the activation of sensors and even control terminals, all through the wiring. This is why it is recommended to have a clean and tidy installation inside the equipment. Simply observe the installation and identify any recommendations that have not been followed. (***POINT 4.2).***
- ***Short circuit in the KULKA connections:*** One of the most influential factors is the connections made between the terminal boards of both devices. Therefore, it is important to check that each cable is making contact with the conductive part of the KULKA. Sometimes, the cable terminals are not fully in contact with the cable insulation. The cable terminals must be completely uninsulated and in contact with the KULKA.

FOR PROBLEMS OTHER THAN THOSE COMMONLY MENTIONED, CONTACT THE YONUSA TECHNICAL SUPPORT AREA OR YOUR DISTRIBUTOR



5553580796, 5553580783, 5580170142
ingenieriaydesarrollo@yonusa.com
reparations@yonusa.com