Panel 640-zone IP + 4G home security system via radio (Z-wave)

Welcome to the **VESTA Wireless and Hybrid Control Panels Knowledge Base**. Here, you'll find all the essential information for installing, configuring, and maintaining VESTA security control panels that operate via wireless communication and hybrid systems.

This manual is designed for technicians, integrators, and advanced users who need a detailed understanding of these control panels. It includes step-by-step guides, troubleshooting tips, device compatibility, and best practices to optimize system performance.

QUICK GUIDE

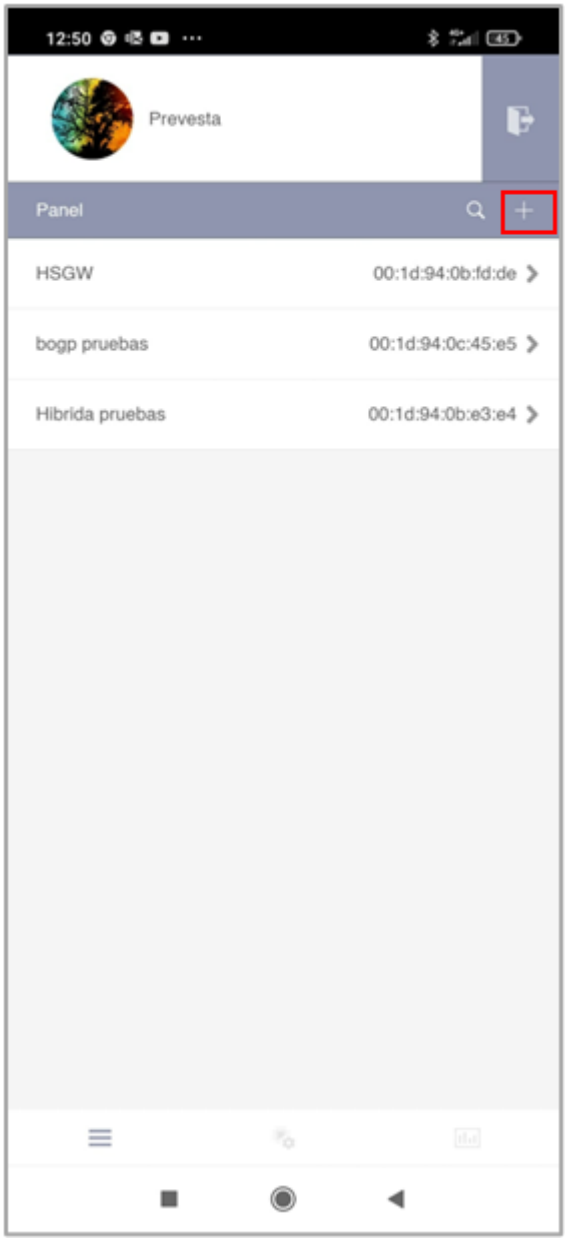
1. Panel Registration as Installer and User

1.1 Installer Registration

Step 1: Log in as an installer in the SmartHomeSec APP

Step 2: Select the + button

(Add panel)



Step 3: Enter the panel's MAC address found on a label of panel

Once the panel is registered as an installer, it is ready ✨ for configuration.

The panel must be on and connected to the internet. We have 15 minutes after powering it up to register the panel.

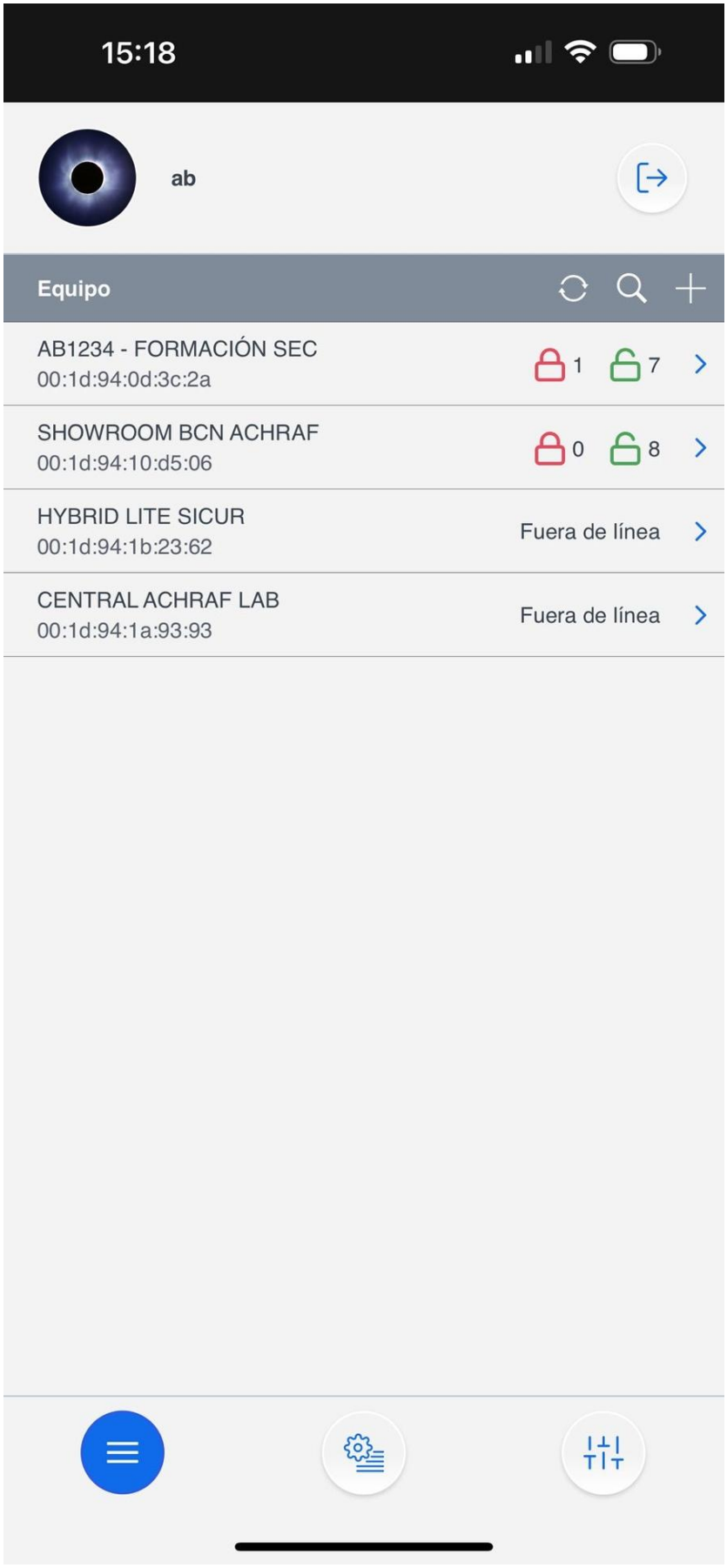
The MAC of the panel is always on one side of the panel physically. In the NAME field, we should place the subscriber or any identifier of the panel.

2. User Account Registration

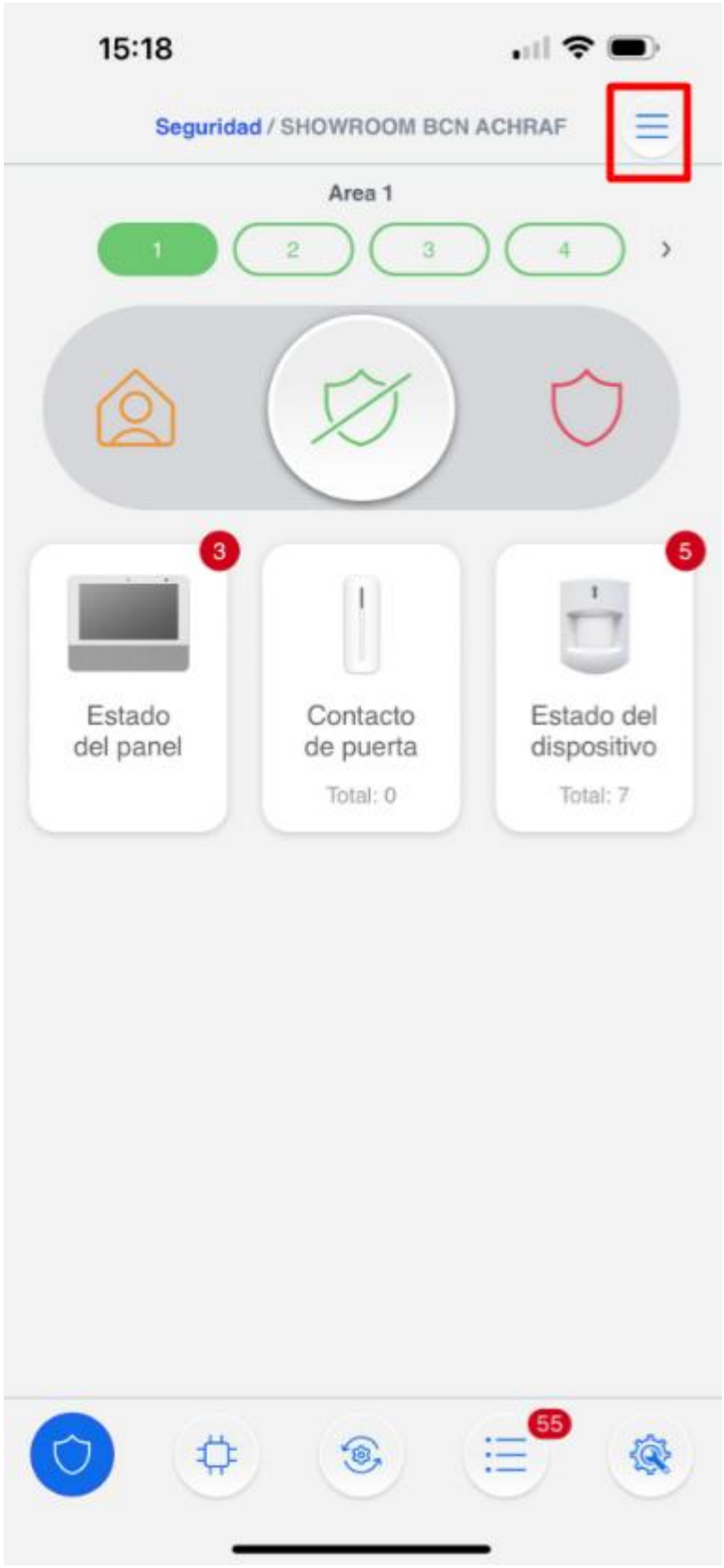
The user account is used to control the system and is intended for the end user. From the SmartHomeSec APP, this account allows arming, disarming, and performing any operation. There are two types of user accounts: Master and Slave.

The first account we register is the Master. The main difference between the Master and Slave accounts is that the Master allows creating new users, while the Slave cannot create new accounts.

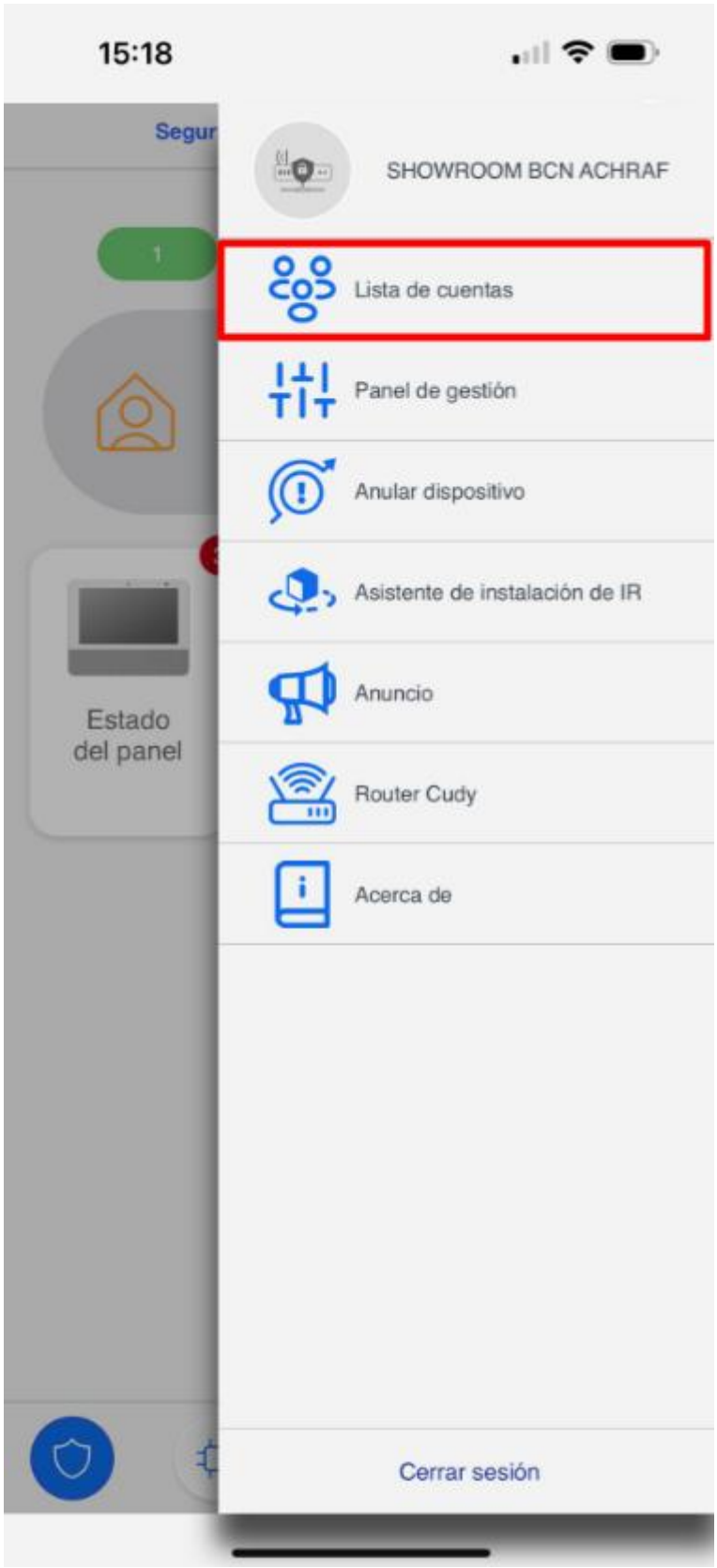
Step 1: Access the panel as installers, the default code is [7982]


15:18
ab
Equipo
AB1234 - FORMACIÓN SEC
00:1d:94:0d:3c:2a
1
7
SHOWROOM BCN ACHRAF
00:1d:94:10:d5:06
0
8
HYBRID LITE SICUR
00:1d:94:1b:23:62
Fuera de línea
CENTRAL ACHRAF LAB
00:1d:94:1a:93:93
Fuera de línea

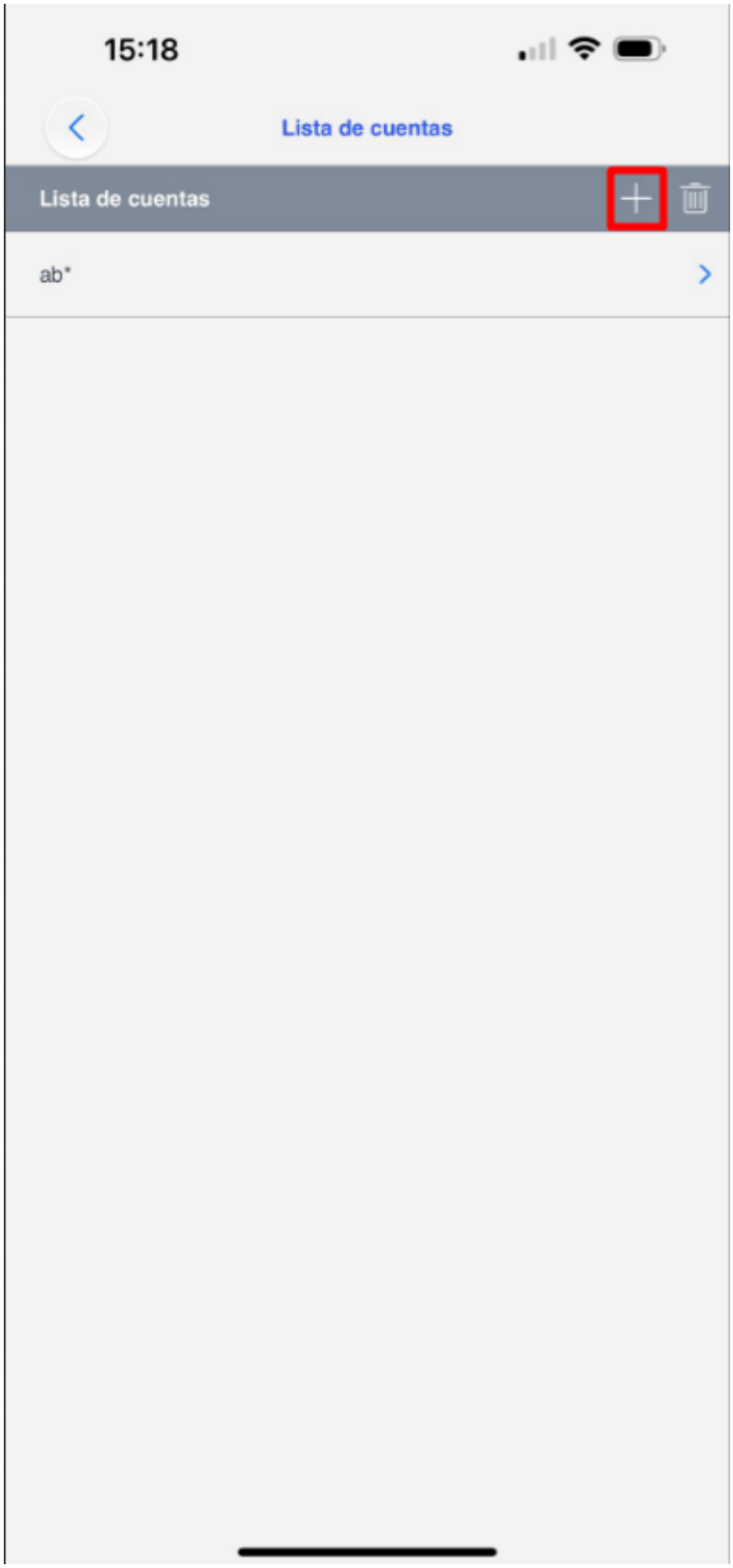
Step 2: Select the Main system menu section



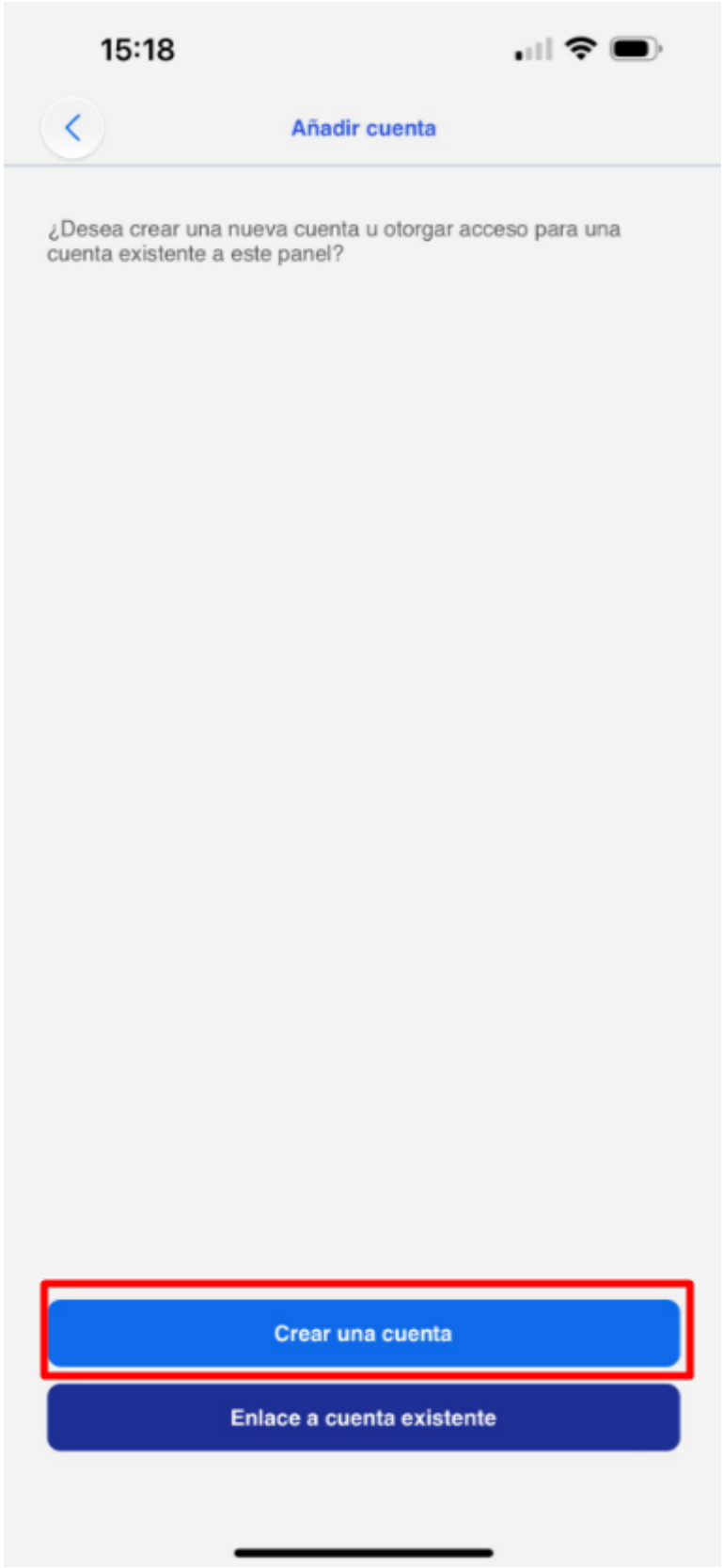
Step 3: Select account list



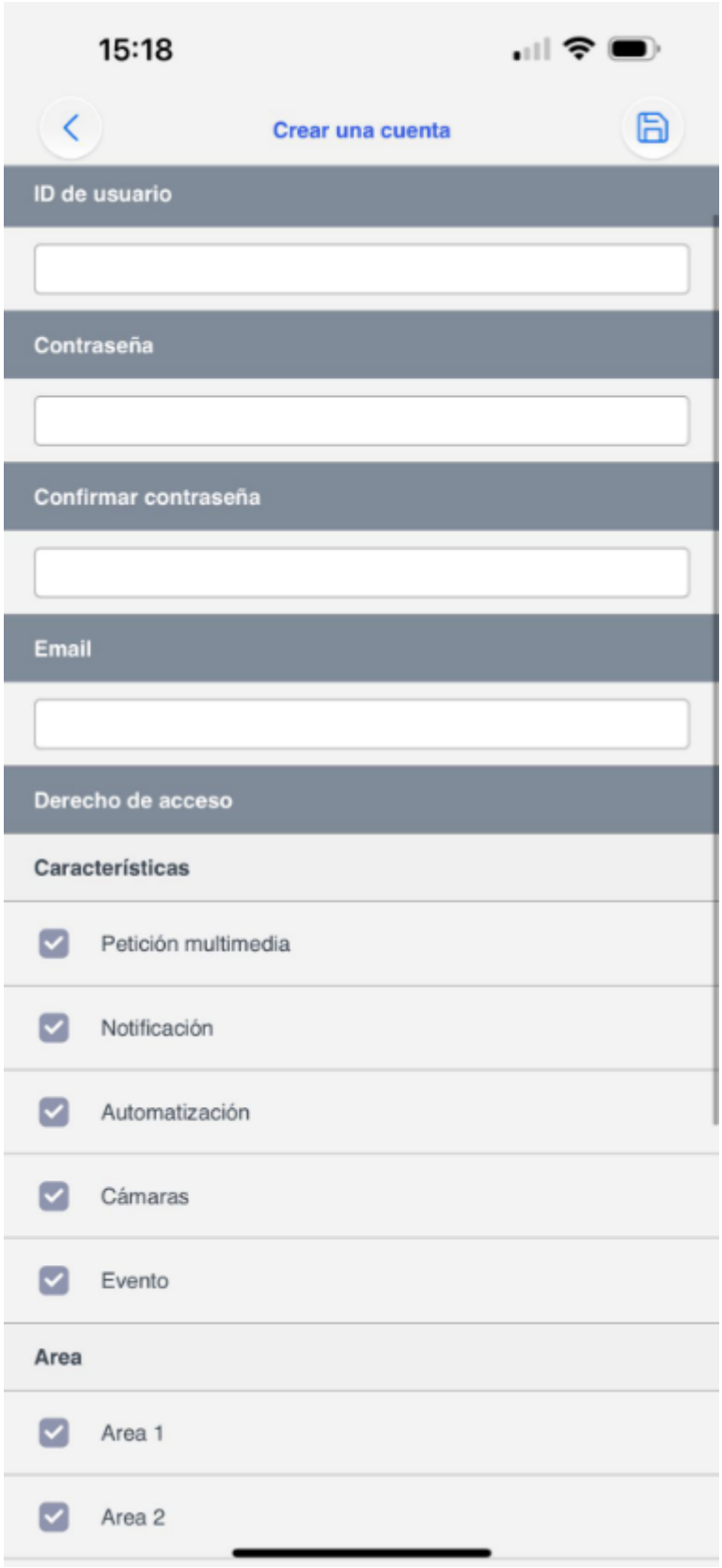
Step 4: Select add



Step 5: If it's a new user: Select create an account



Step 6: Fill in the user data for APP access



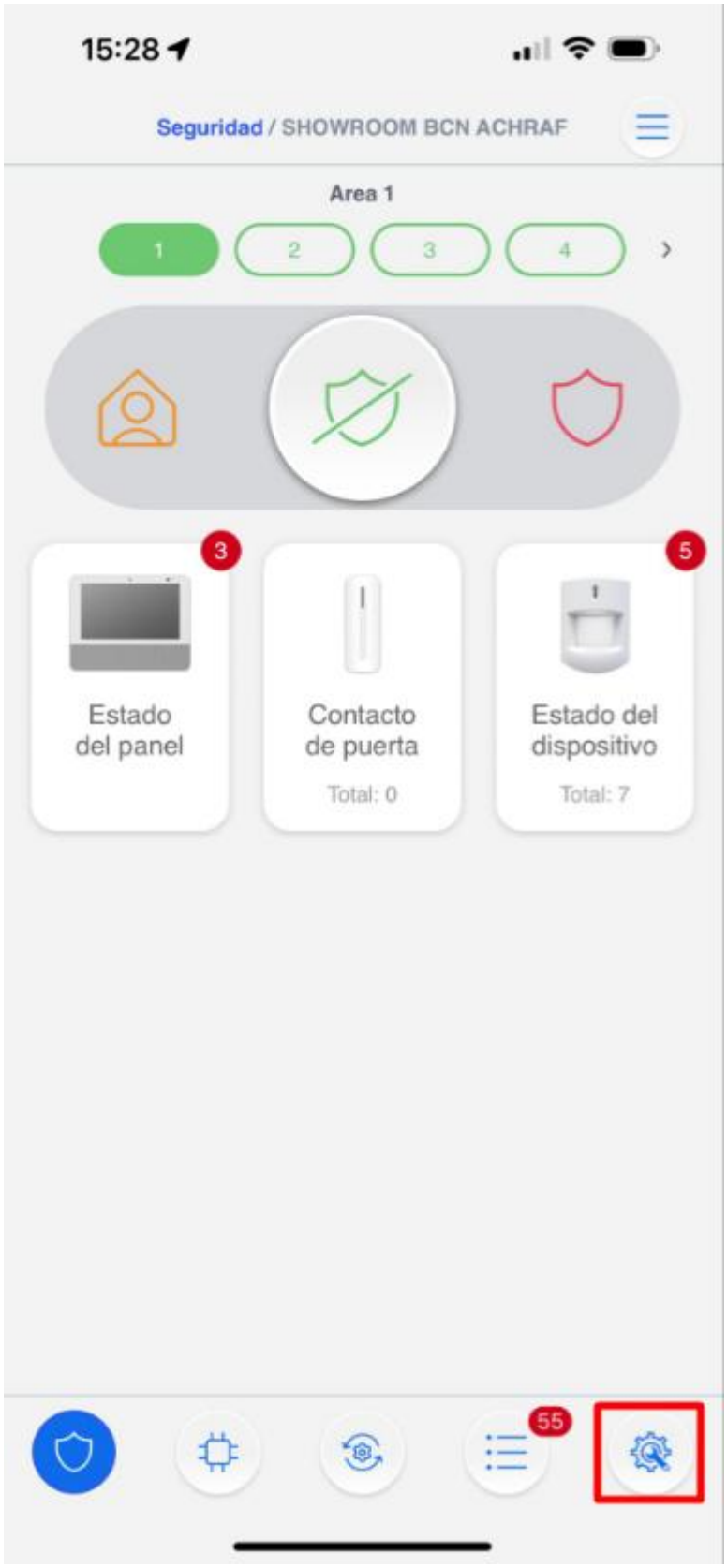
User registration completed! For information on how to operate with the user APP, follow the SmartHomeSec user guide.

3. Add and Configure Devices

To add and configure VESTA RF devices, follow these steps:

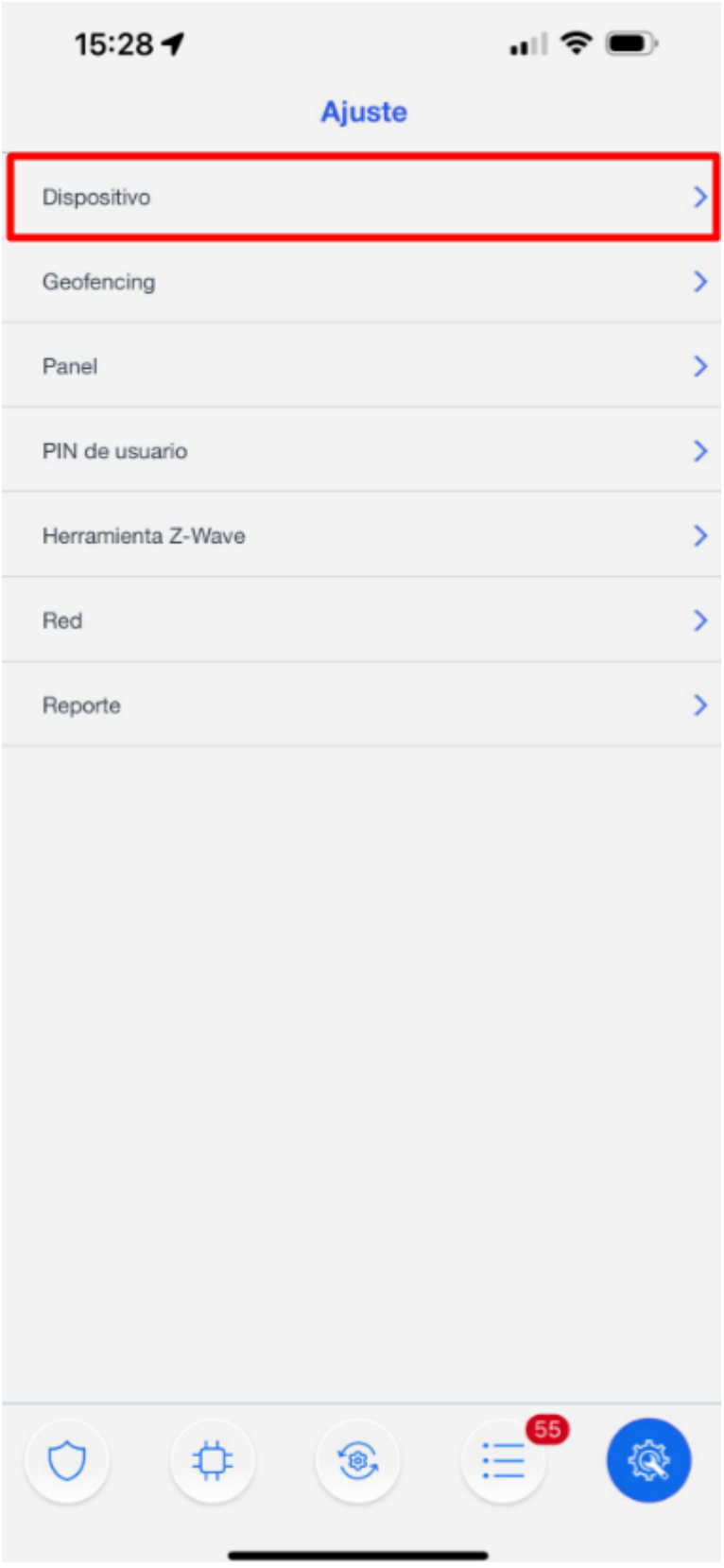
3.1 Add Devices

Step 1: Access the panel configuration from the installer APP:



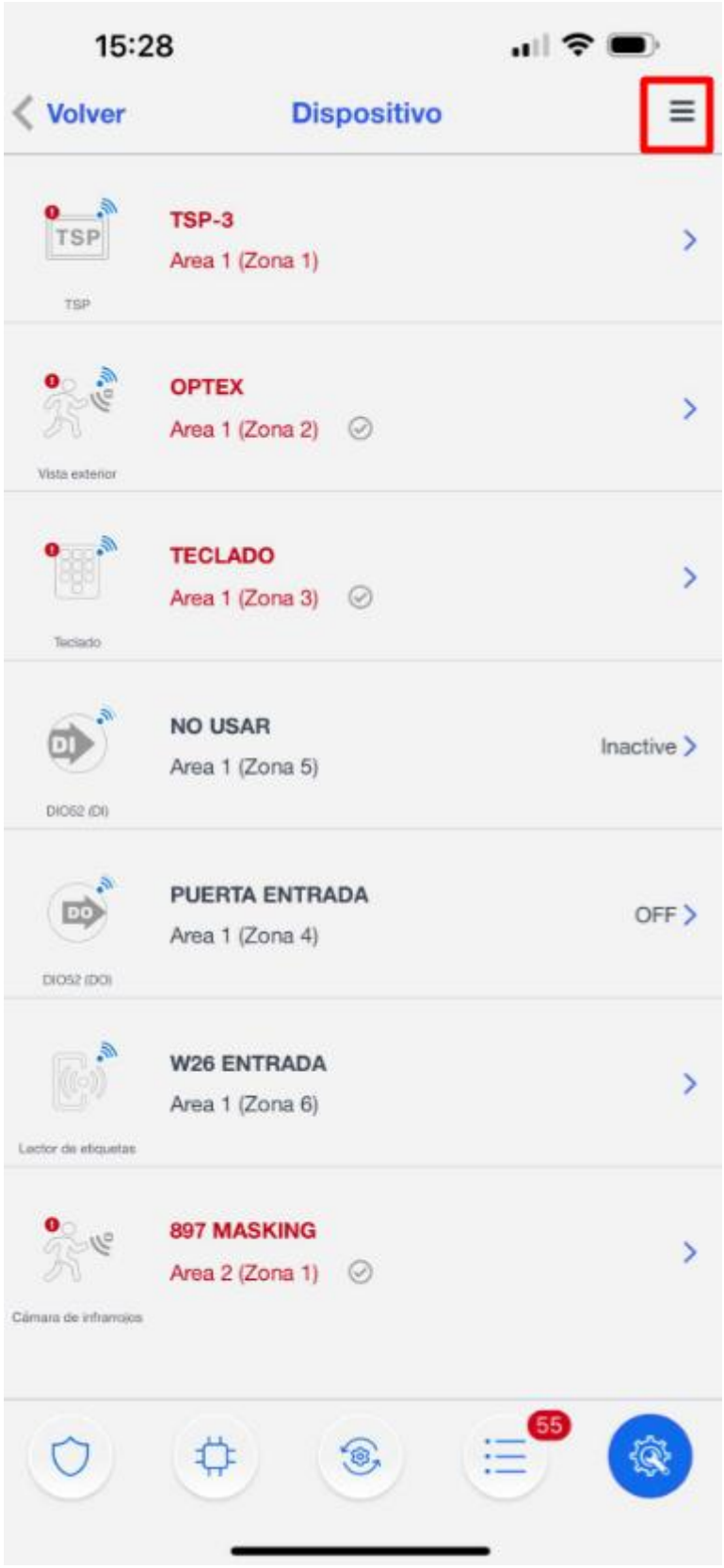
Installer -> Settings

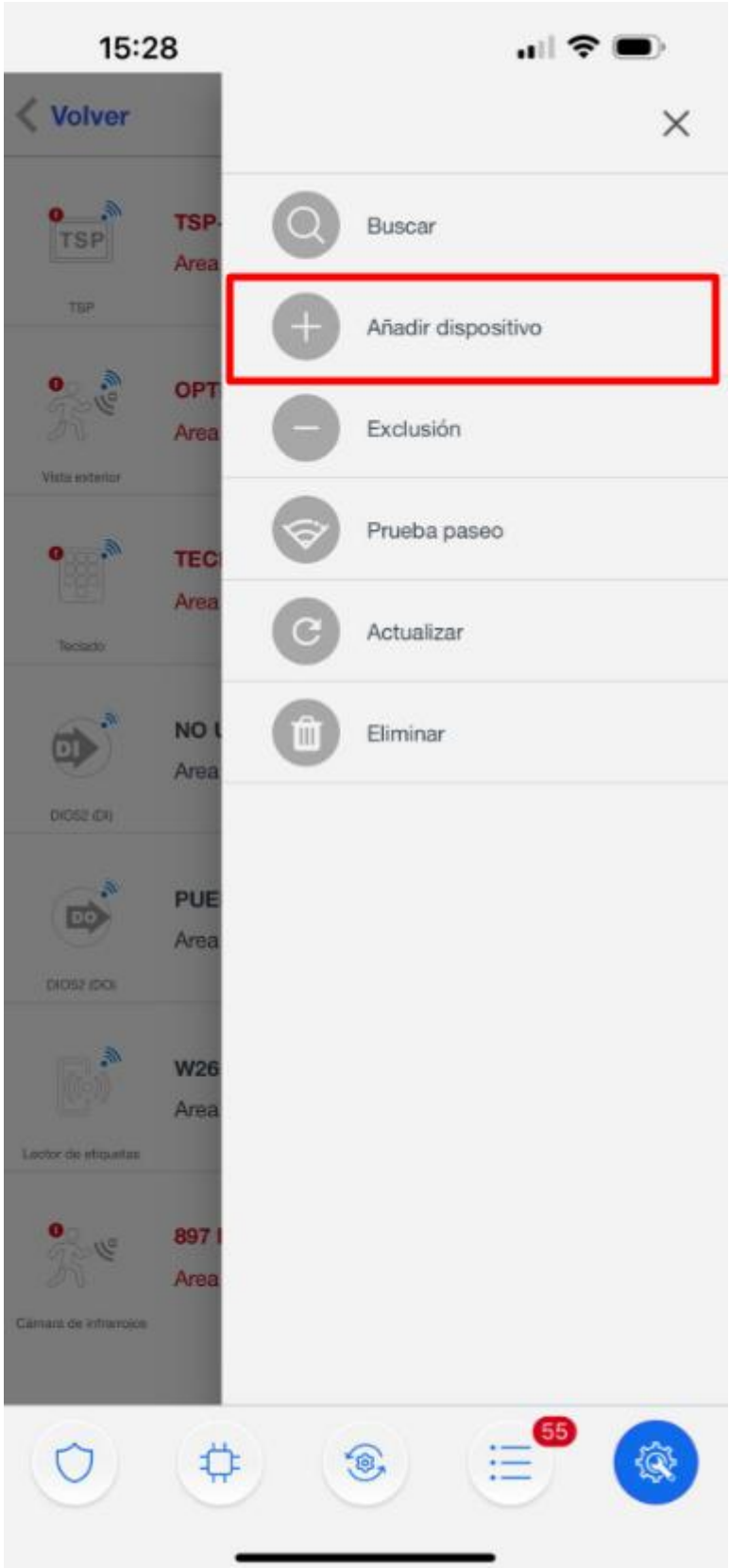
Step 2: Select "Devices" in the menu.



Installer -> Settings -> Devices

Step 3: In the menu click "Add device".


15:28
Volver
Dispositivo
TSP-3
Area 1 (Zona 1)
TSP
OPTEX
Area 1 (Zona 2)
Vista exterior
TECLADO
Area 1 (Zona 3)
Teclado
NO USAR
Area 1 (Zona 5)
Inactive
DIO52 (DI)
PUERTA ENTRADA
Area 1 (Zona 4)
OFF
DIO52 (DO)
W26 ENTRADA
Area 1 (Zona 6)
Lector de etiquetas
897 MASKING
Area 2 (Zona 1)
Cámara de infrarrojos
55



Step 4: Select the device type you want to add, e.g., Motion Detector. Press and hold the pairing button on the device until the LED flashes (refer to the device's manual for specific instructions).

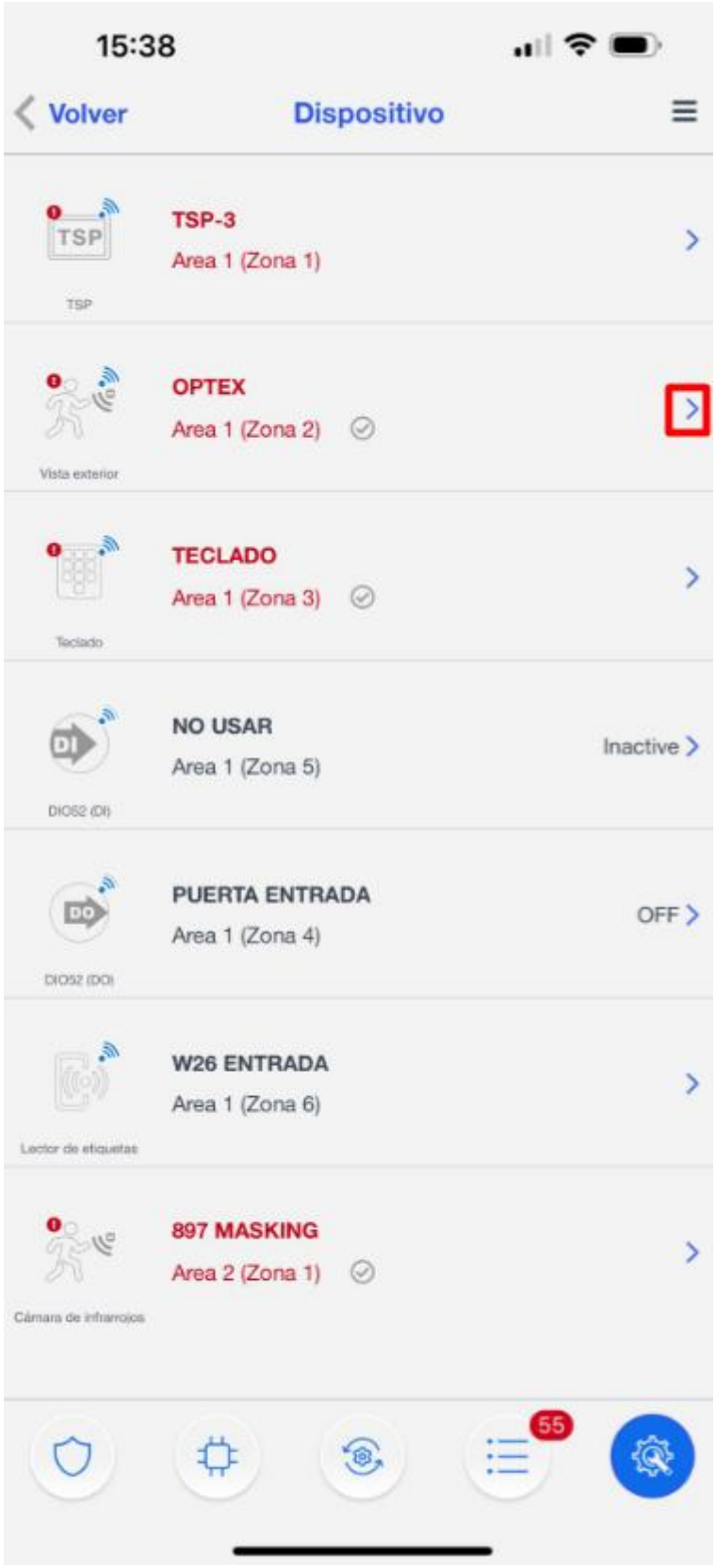
Step 5: Follow the on-screen instructions to complete the pairing process. The panel will confirm the successful addition of the device.

Botón learn de los dispositivos VESTA

Important! In case of PIRCAMS and keyboards: The keystroke must be 3 or 4 seconds. While the rest of the devices with a short press is enough to add them.

Once added, the RF devices will be ready for use and can be managed from the same section, here is an example of sensor attribute configuration:

3.2 Zone configuration


15:38
Volver
Dispositivo
TSP-3
Area 1 (Zona 1)
TSP
OPTEX
Area 1 (Zona 2)
Vista exterior
TECLADO
Area 1 (Zona 3)
Teclado
NO USAR
Area 1 (Zona 5)
Inactive
DIO52 (DI)
PUERTA ENTRADA
Area 1 (Zona 4)
OFF
DIO52 (DO)
W26 ENTRADA
Area 1 (Zona 6)
Lector de etiquetas
897 MASKING
Area 2 (Zona 1)
Cámara de infrarrojos
55


15:38
Volver
Dispositivo
Enviar
Bypass
Apagado
Debe estar Cerrado
No
Anulación Tamper
Apagado
Anular Supervisión
Apagado
Bypass Anti-masking
Apagado
Anulación automática
Inhabilitar
Activación
1
min (s)
2
24 HR
Alarma
Respuesta Desarmado
Ninguna respuesta
Respuesta Armado
Alarma Instantanea
Respuesta Armado en Casa
Ninguna respuesta
Salida
Ninguna respuesta
Respuesta de disparo de zona
Ninguna respuesta
Respuesta de restauración
Ninguna respuesta
55

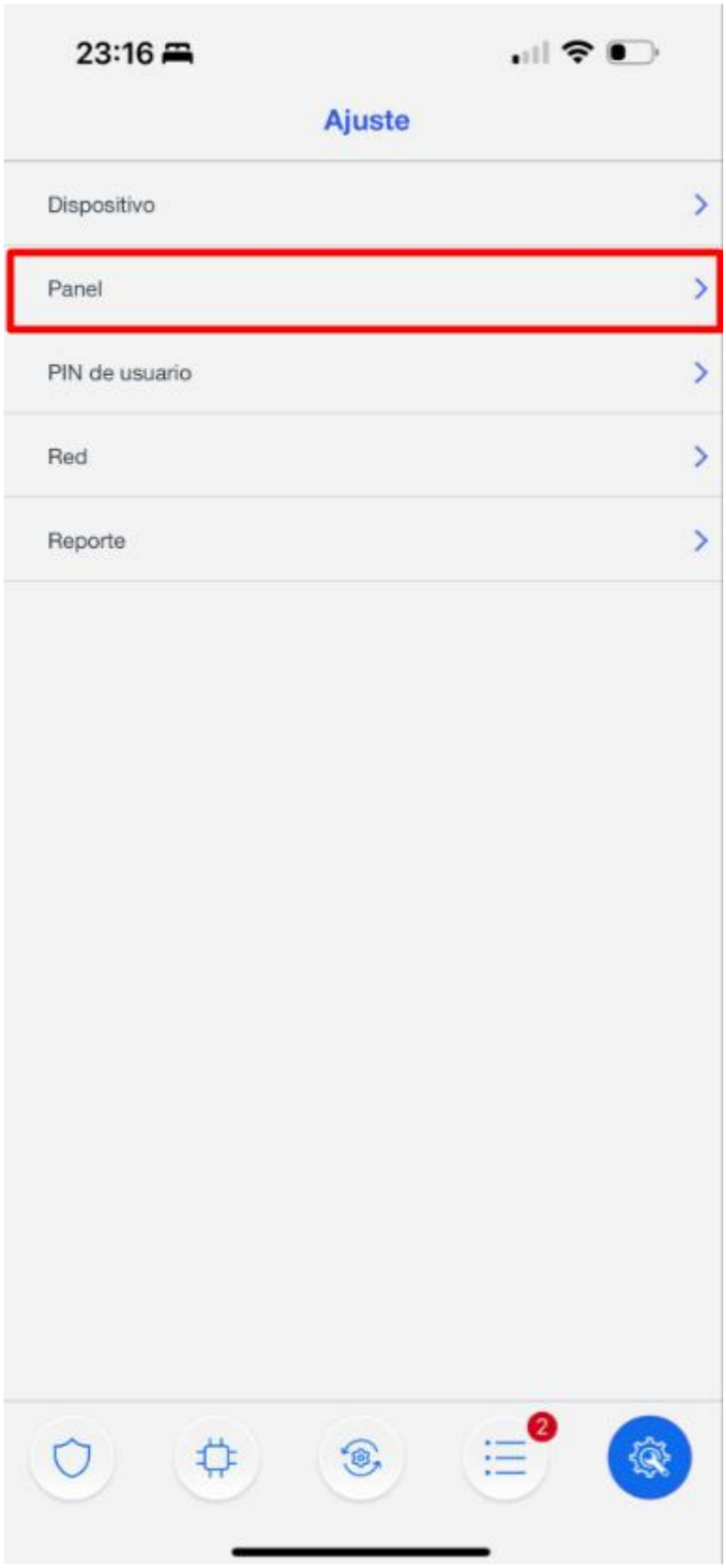
To configure the zones correctly, it is important to be familiar with the available attributes and their impact on the behavior of the alarm system.

For example: Interior is an instant zone and Entry is a delayed zone; we can assign these attributes in the section Response on arming which means "When the system is armed."

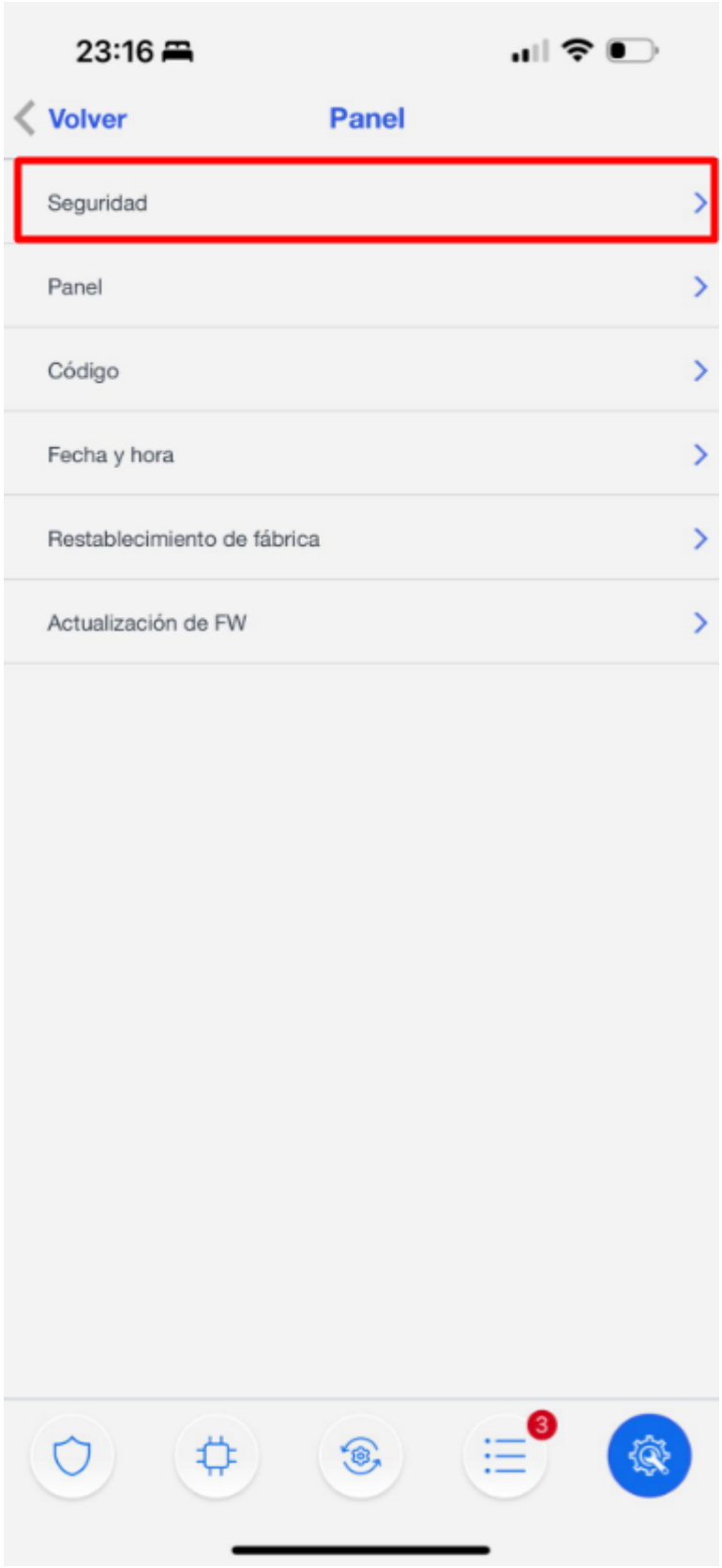
4. Panel configuration and reporting to ARC (Alarm Receiving Central Station)

4.1 Security configuration

This section details how to adjust the **siren duration** during an alarm and set the **input and output delays**. For ease of identification and adjustment, critical options are highlighted in **color **red**.



Ajustes -> Panel

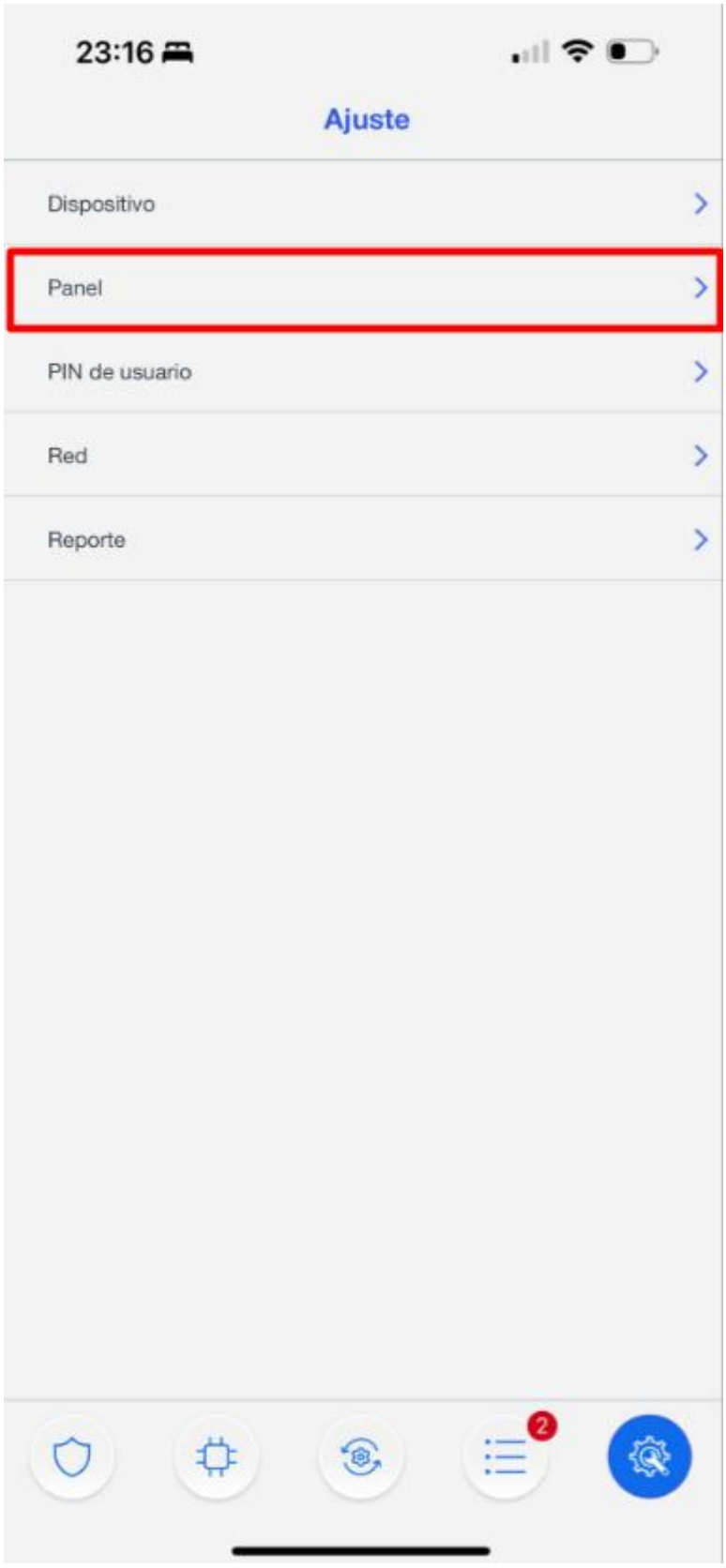


Ajustes -> Panel -> Seguridad

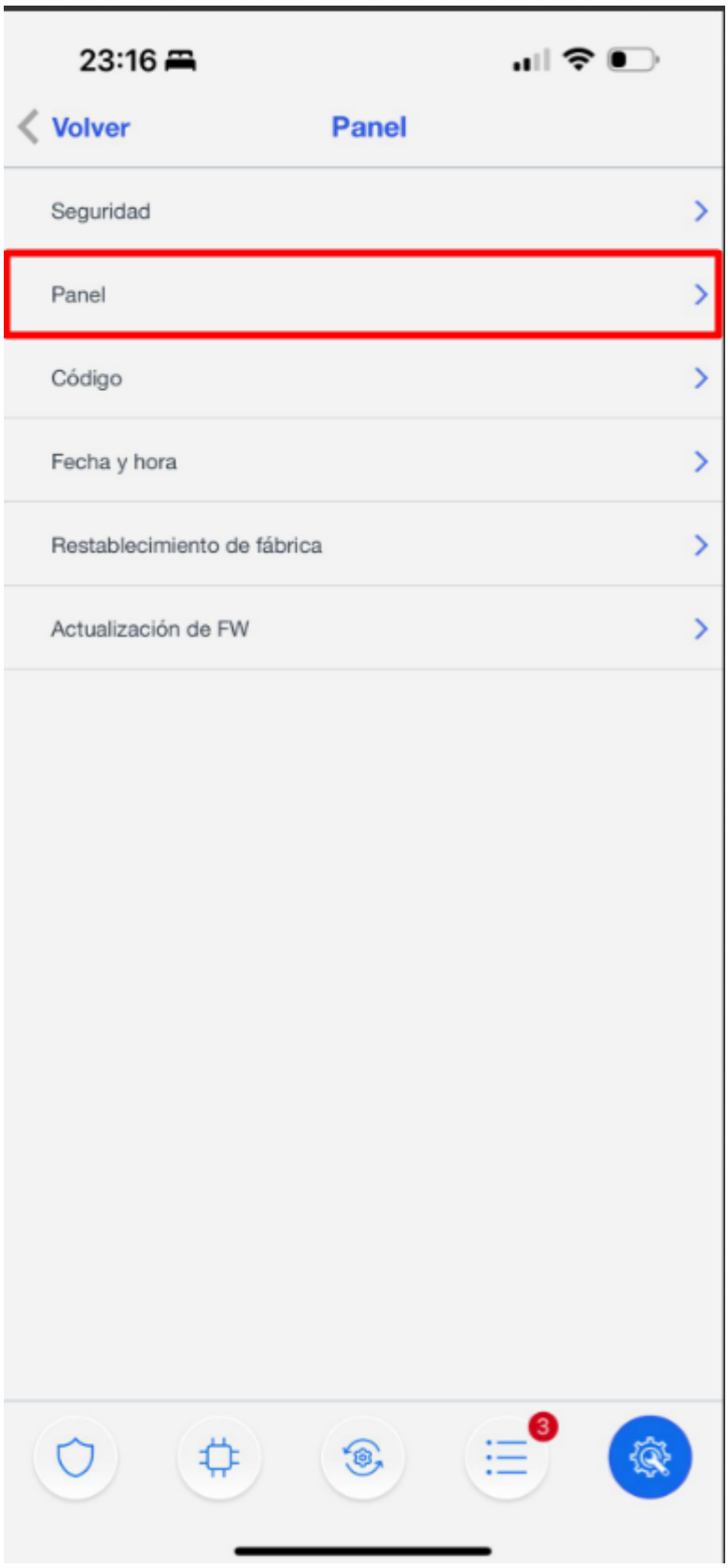
1. La **siren duration** en in case of alarm
2. Enabling this option delays the alarm reporting by 30 seconds. (**Recommended to leave OFF**)

3. Ajustar los **entry and exit delays**

4.2 Panel configuration



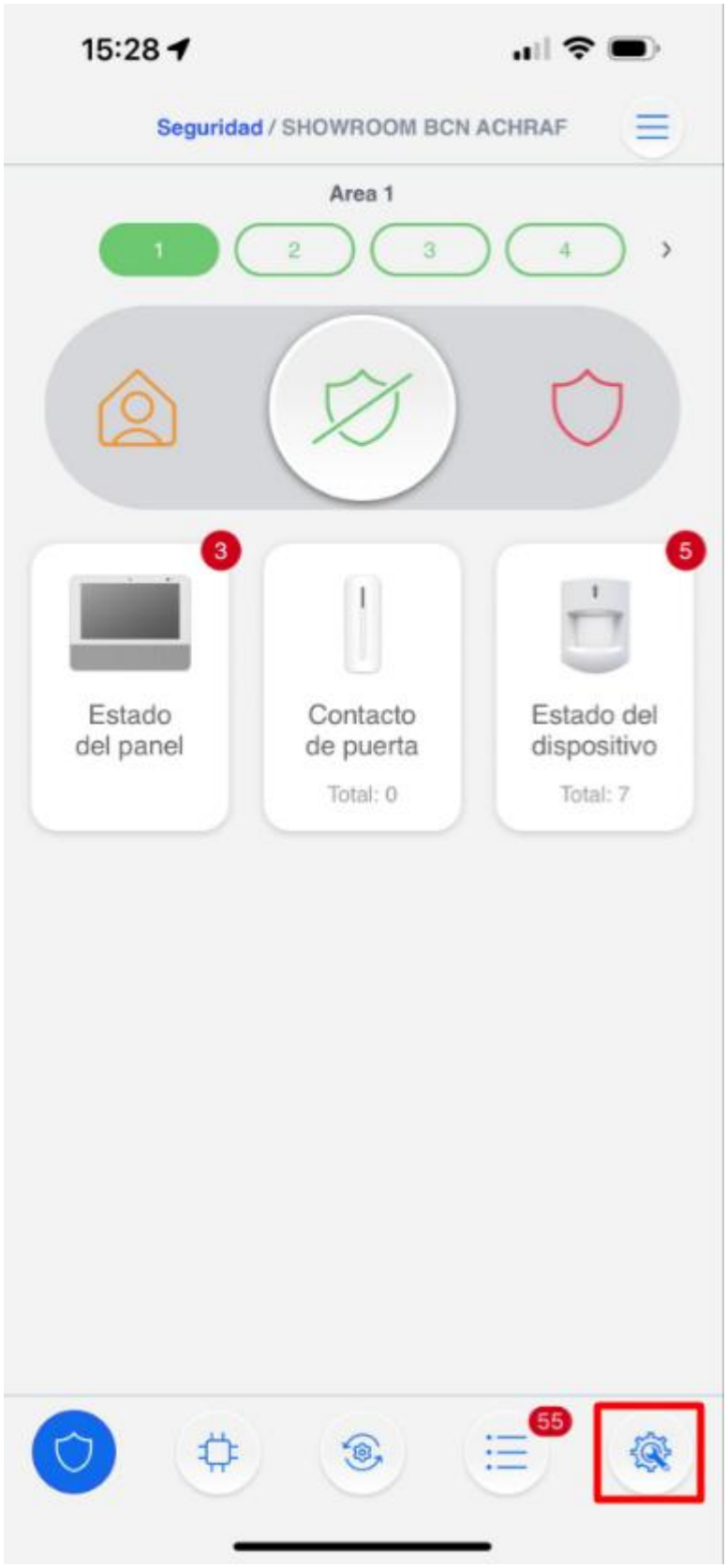
Settings -> Panel



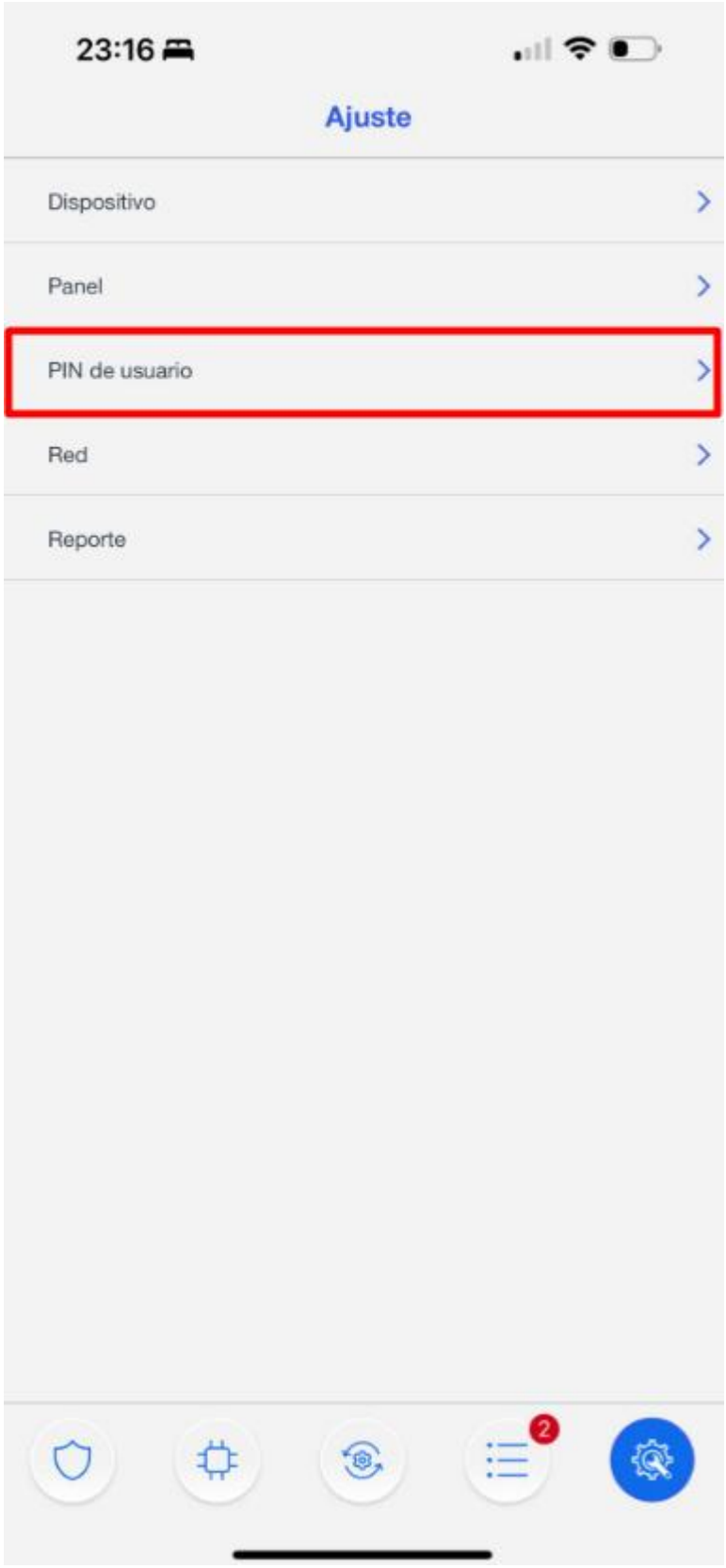
Settings-> Panel -> Panel

Polling --> test time to ARC

4.3 Configure user codes



Inslogging -> Settings

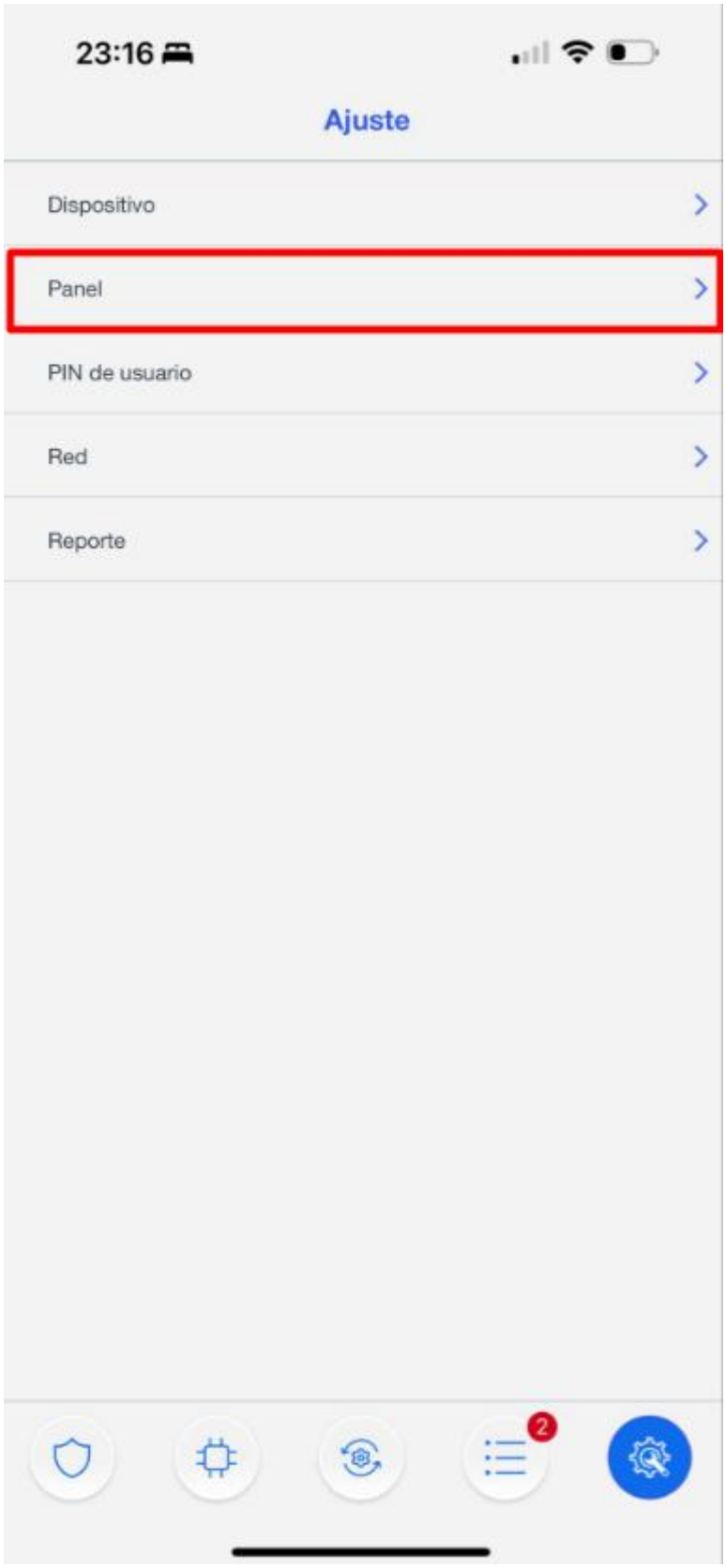


Settings -> User PIN

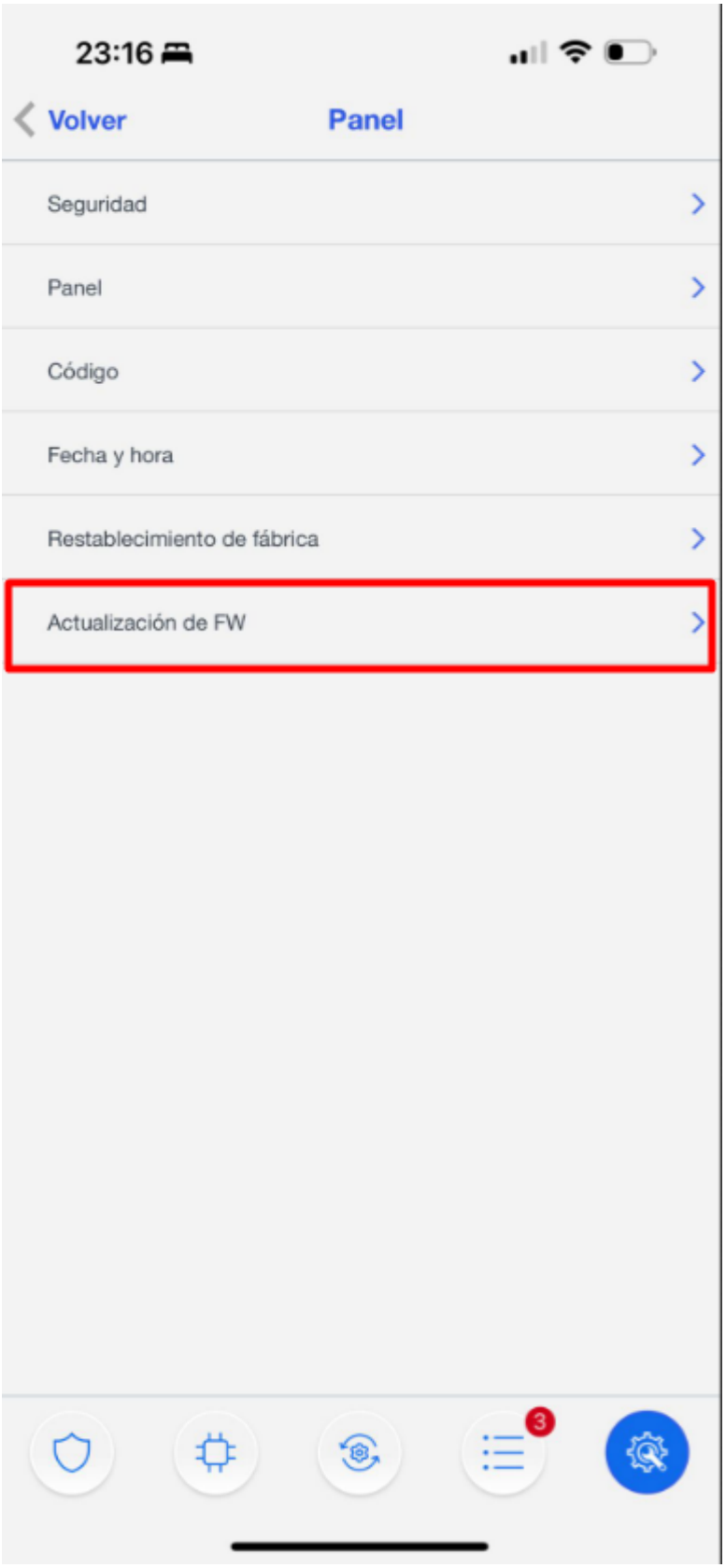
Add the Name and code for each user, this code will allow the user to switch modes from the APP or keyboards see User Manual for more information.

4.4 Updating the panel

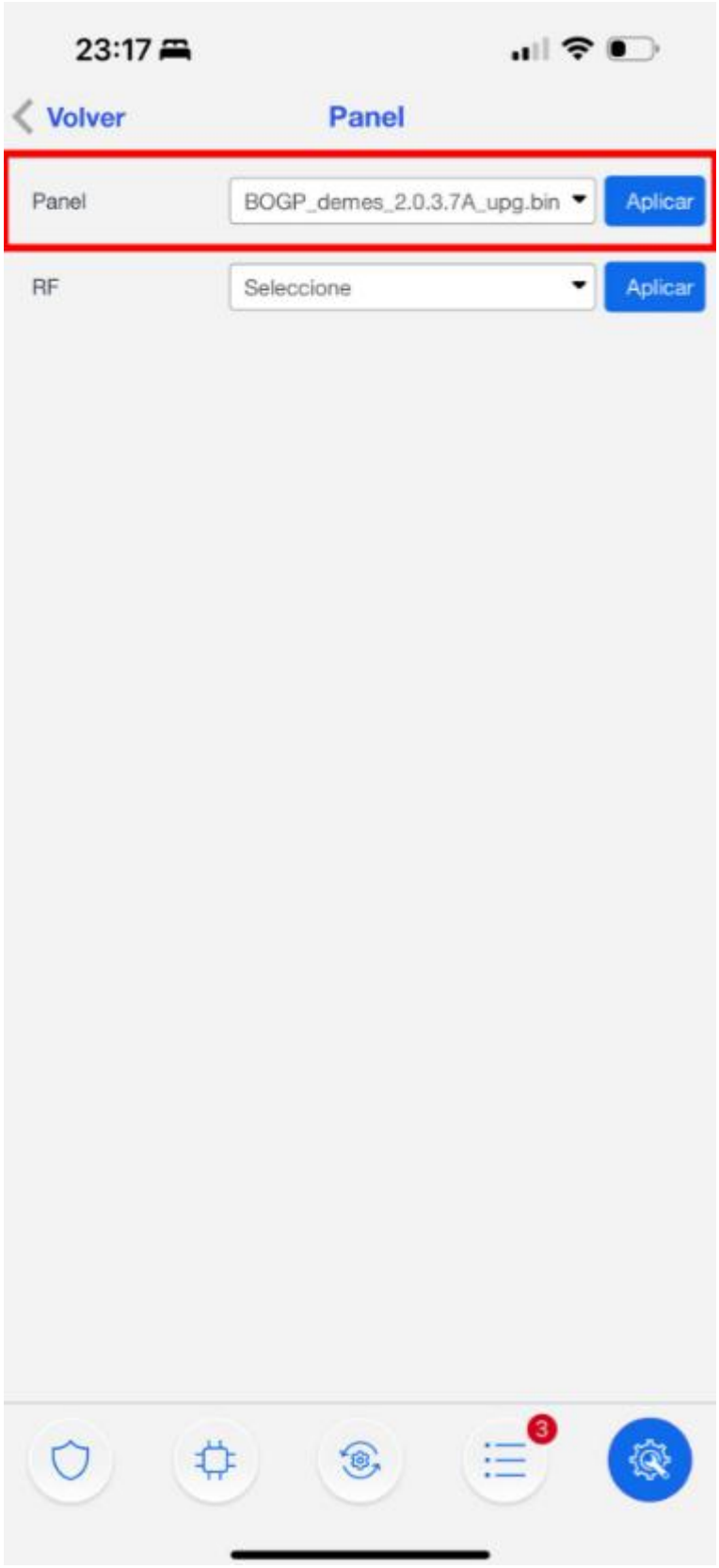
It is crucial to keep the control panel up to date to ensure optimal system performance and security. Updates may contain essential enhancements, bug fixes and security patches that protect against known vulnerabilities.



Ajustes -> Panel



Panel -> Actualización de FW



Select from the list the firmware with the highest version (Highest number and highest letter).

NOTE: The panel by 2G or low coverage may take 8 minutes to update.

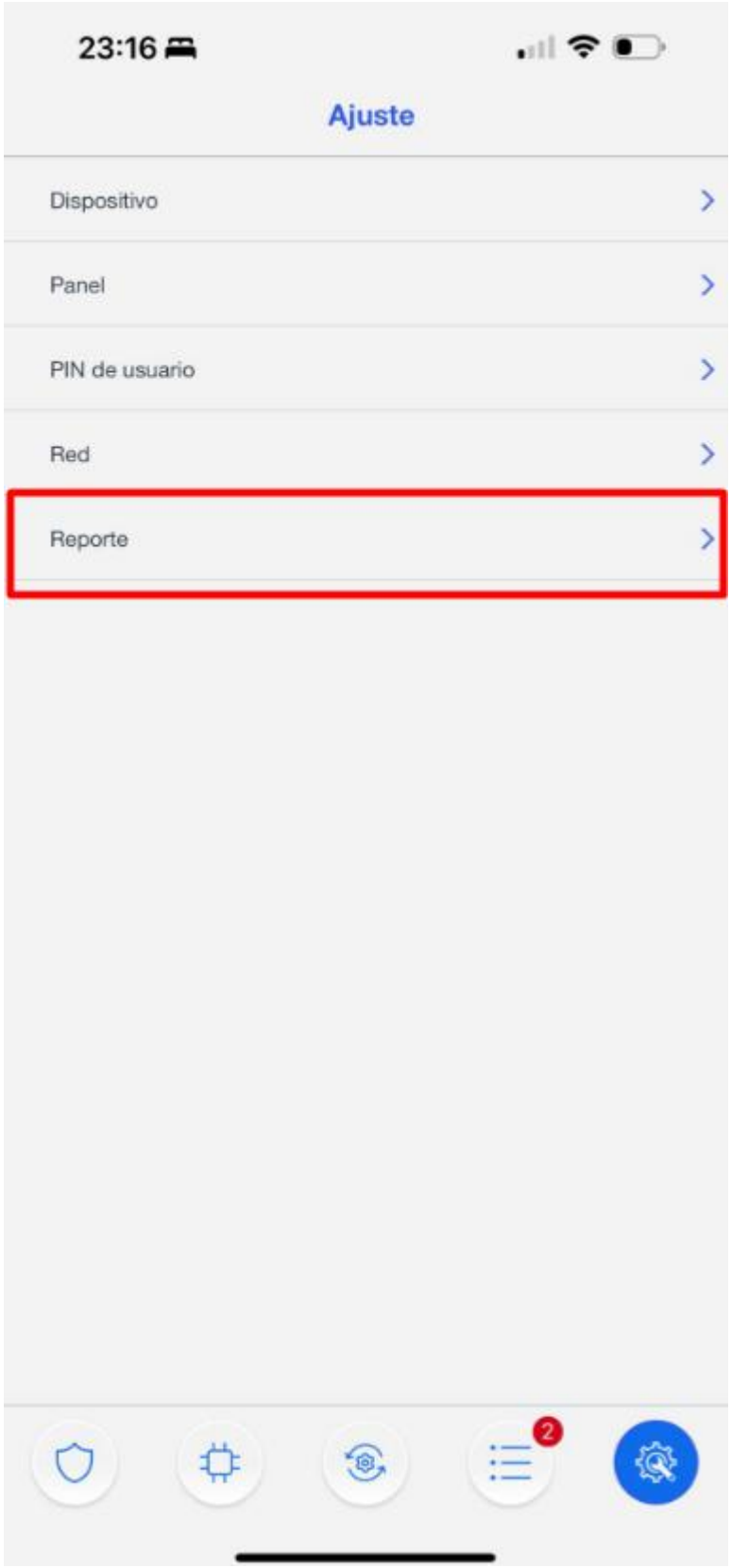
If the panel communicates over 4G/LTE with good coverage the update may take 3-5 minutes

Once the panel is in upgrade mode **Do NOT turn off** or disconnect under any circumstances. The panel will restart automatically.

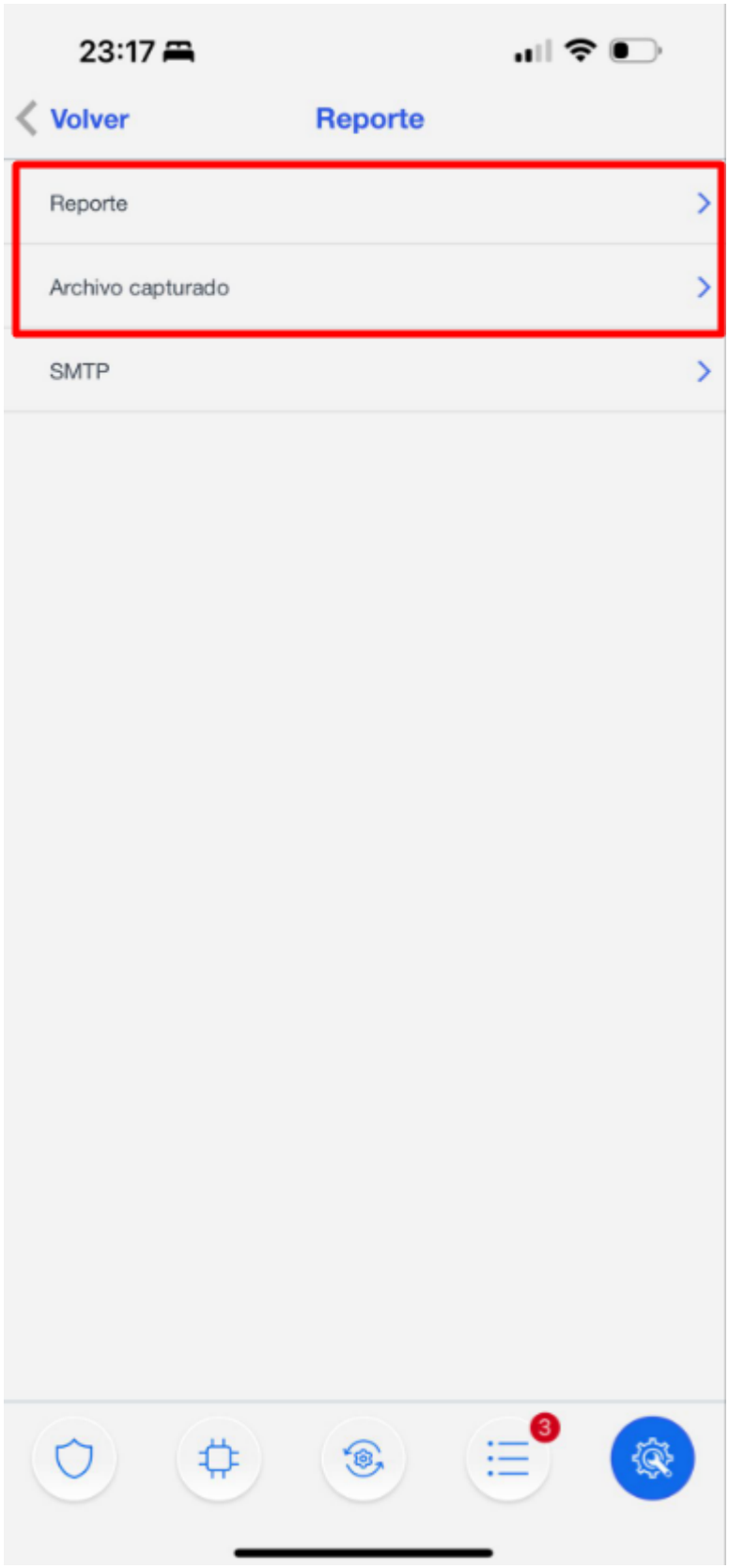
SWITCHING OFF THE PANEL DURING AN UPGRADE MAY RENDER IT COMPLETELY INOPERATIVE.

4.5 Reporting configuration to ARC (Alarm Receiving Center)

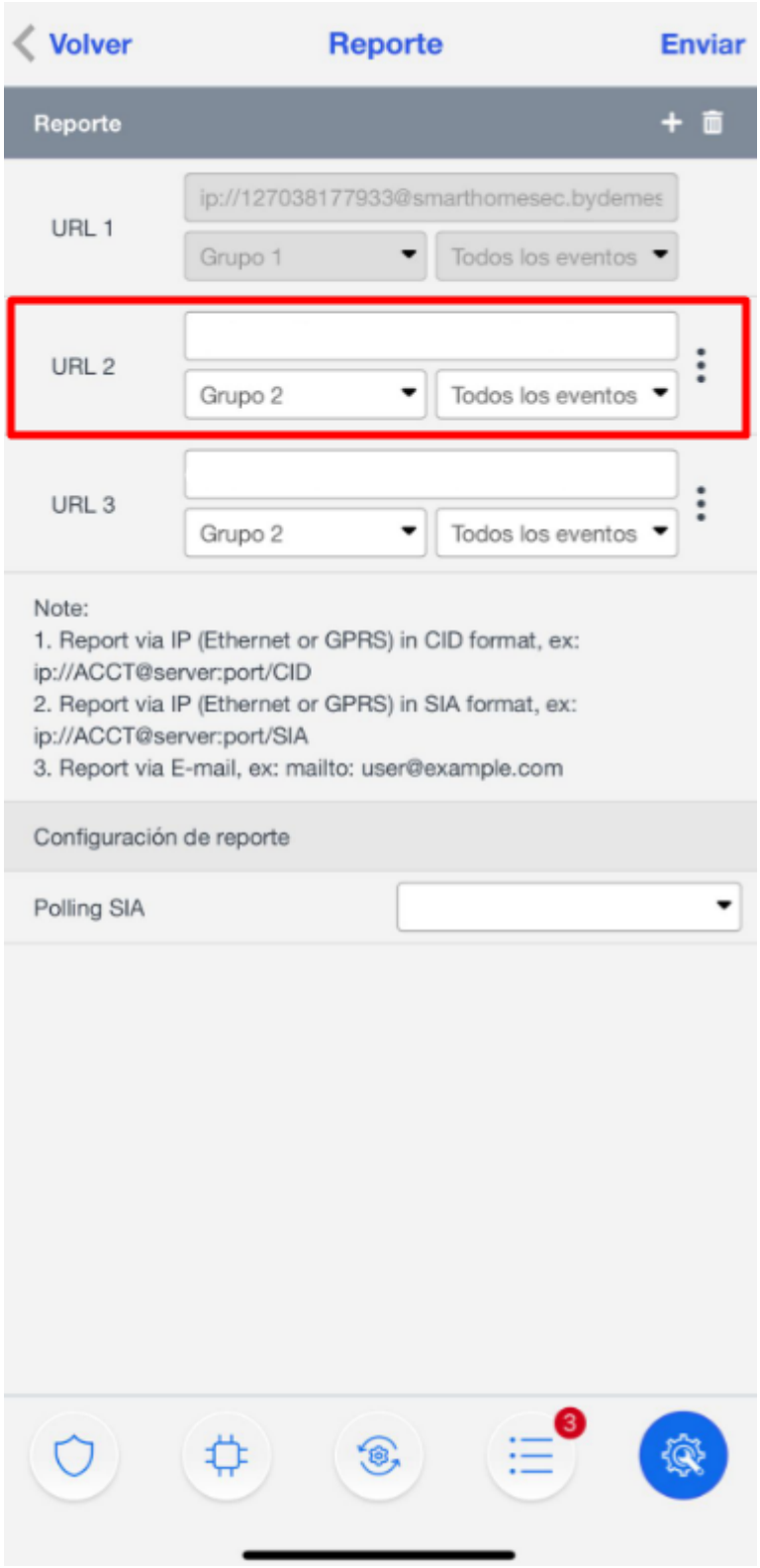
Reporte Eventos



Settings -> Report



In the report section we have report configuration for events and captured files for PIRCAMS photos.



In this section we configure the repote URL of our ARC, and very important the GROUP 2 or higher since group 1 is used for the APP. APPENDIX 2 for examples

APPENDIX 2

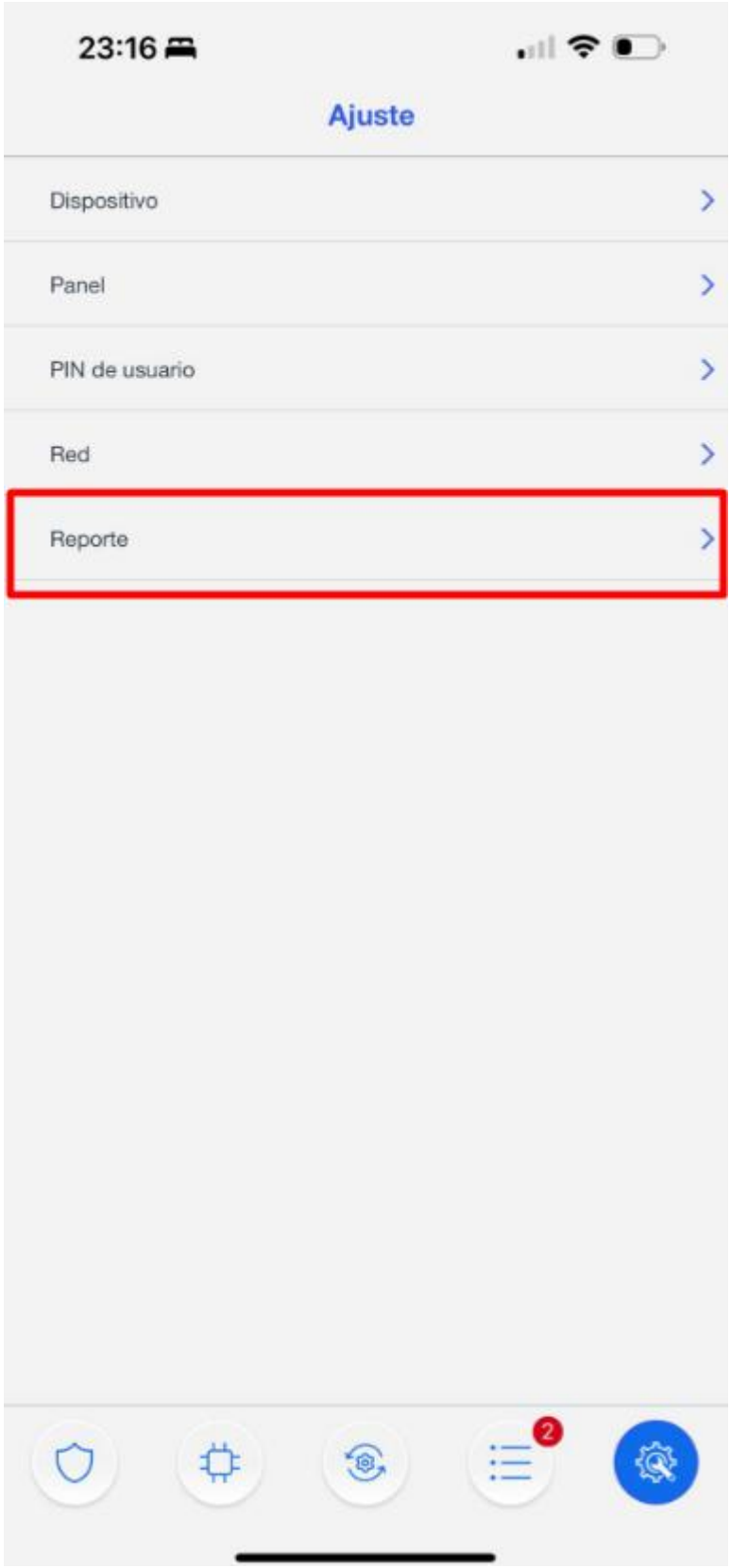
Examples of **EVENTS** reporting in different protocols:

🔥 **MANITOU (most used in Spain): ip://ACCT@IP:PORT/MAN**

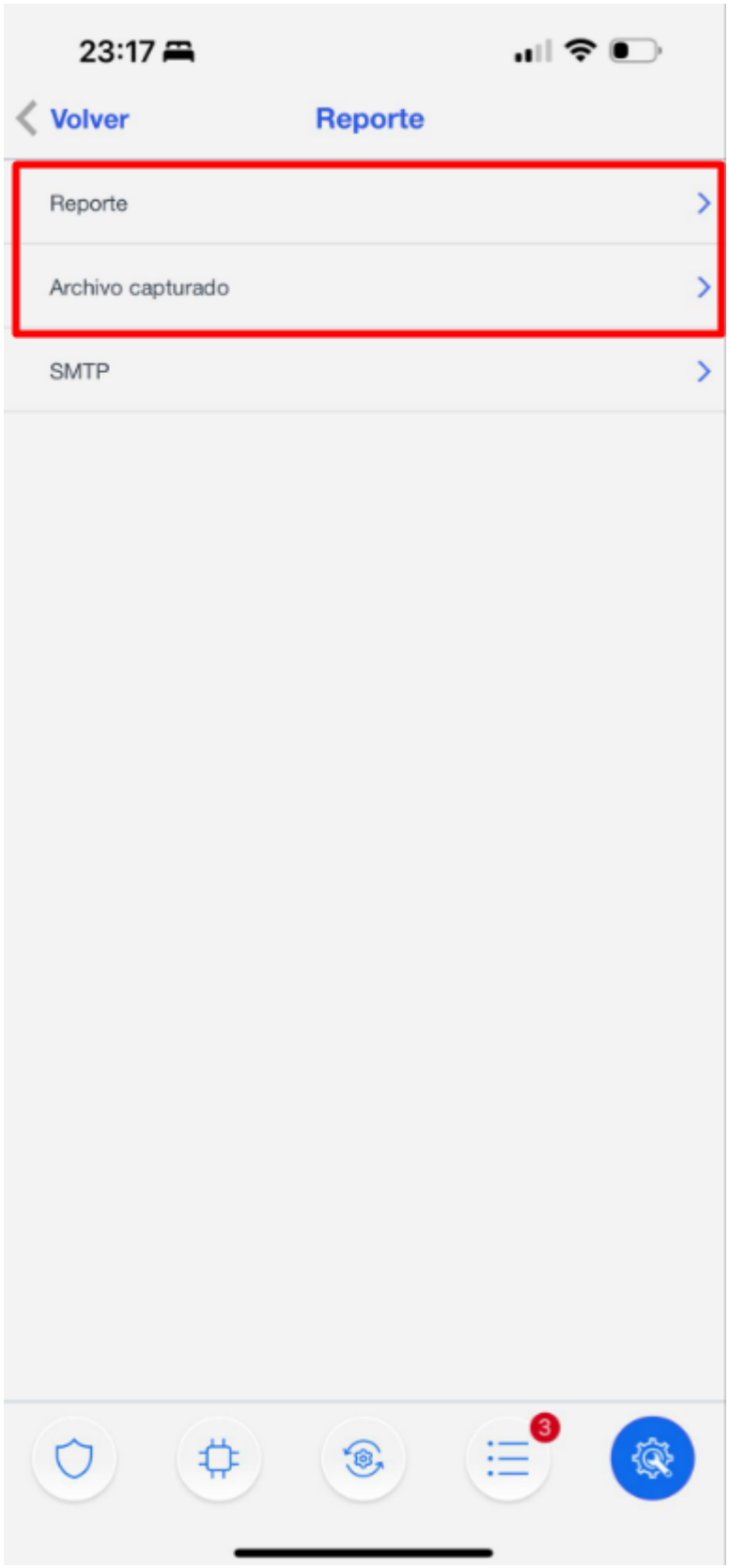
SIA: **ip://ACCT@IP:PORT**/SIA2

CID: **ip://ACCT@IP:PORT**/CID

Photo report.



Settings -> Report



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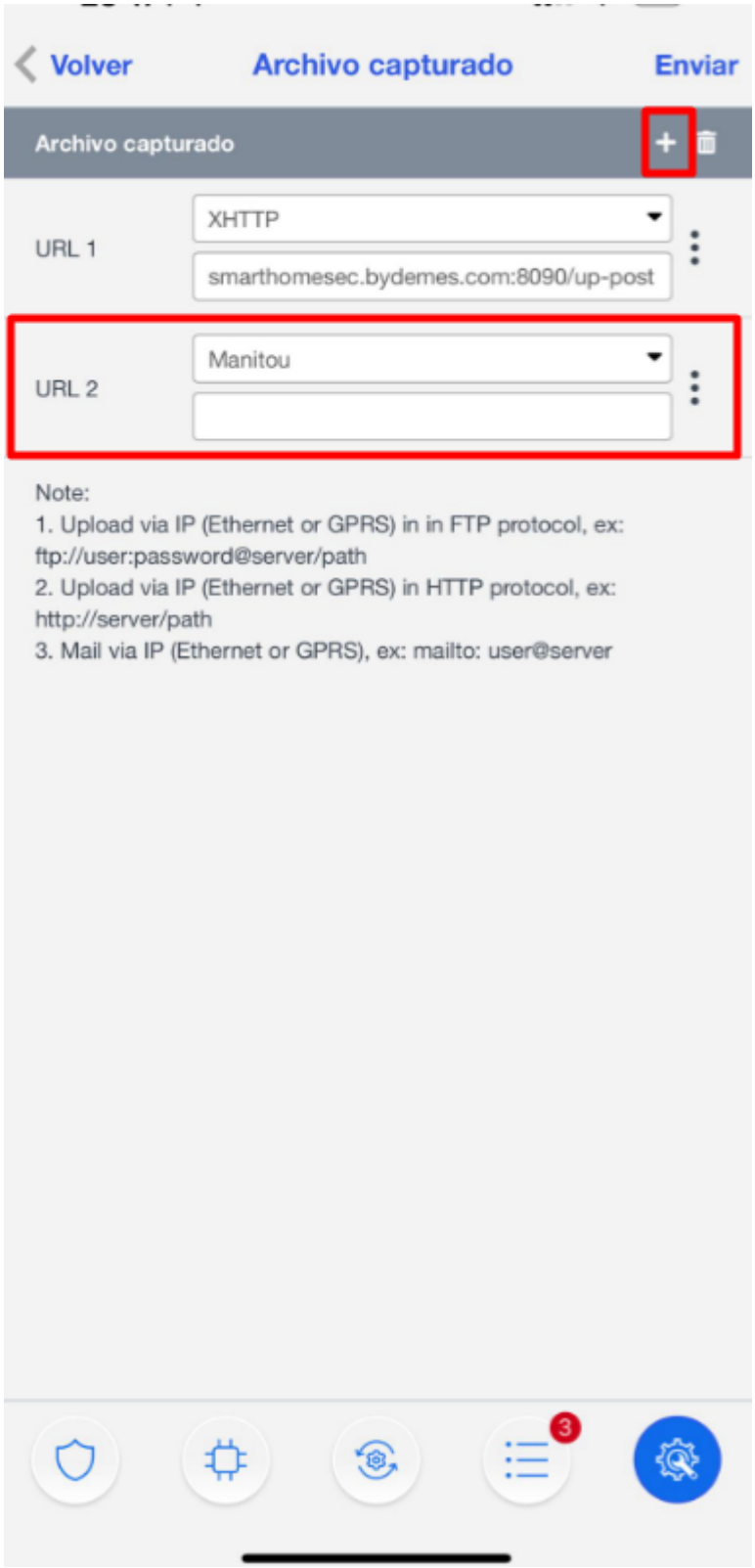


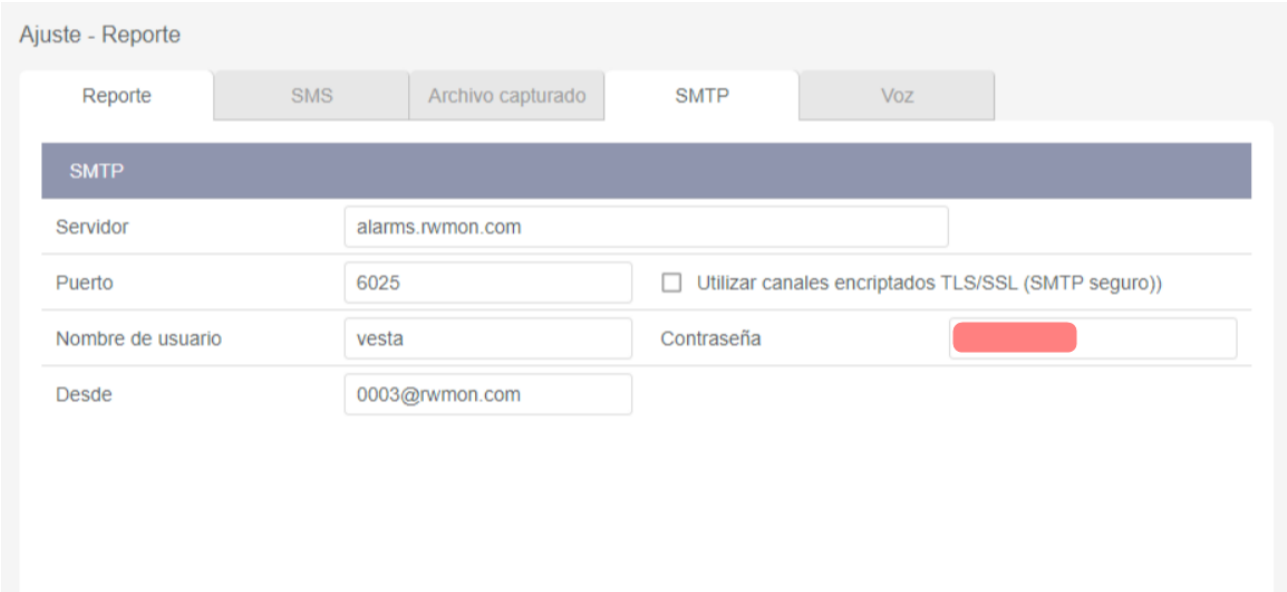
In this section we configure the repote URL of our CRA for sending photos. APPENDIX 3 for examples

Examples of **PHOTOS** reporting in different protocols:

🔥 **MANITOU**: **ACCT@IP:PORT**

Photo report for SENTINEL software

Step 1: Program SMTP information in settings -> Report



Example

Step 2: Program the email provided by central monitoring station in "Captured files"