

AJAX SYSTEM Security Systems Integration Manual

Onna's new feature allows users to integrate the Ajax alarm system into their **Onna** platform, giving them full control and monitoring over the Ajax alarm and any devices they wish to connect.

Con esta integración, los usuarios pueden vincular su cuenta de Ajax directamente con **Onna**, seleccionar el hub que quieren gestionar, y listo.

You can easily control your Ajax system directly from your **Onna** and receive notifications about the most important events.

Full control of the Ajax system with Onna:

- **Arm/Disarm/Night Mode/Panic Button:** Check the status of your alarm with a single tap, choosing whether to disarm it, arm it, activate a partial arming of your devices using night mode, or use the panic button in an emergency.
- **Real-time Monitoring:** Receive instant notifications of sensor and alarm events, keeping you constantly informed of what's happening in your home or business.

Prerequisites:

Sign in as an Ajax user:

Before linking your Ajax system to **Onna**, you need to register and create an account on the official Ajax app. To do this, you will need to use your email address and set a personalised password.

Pair devices:

Once you have registered, you can add your alarm and Ajax devices by scanning the QR code from the Ajax app.

And you'll then have everything you need to integrate your Ajax system into your **Onna**.

Important:

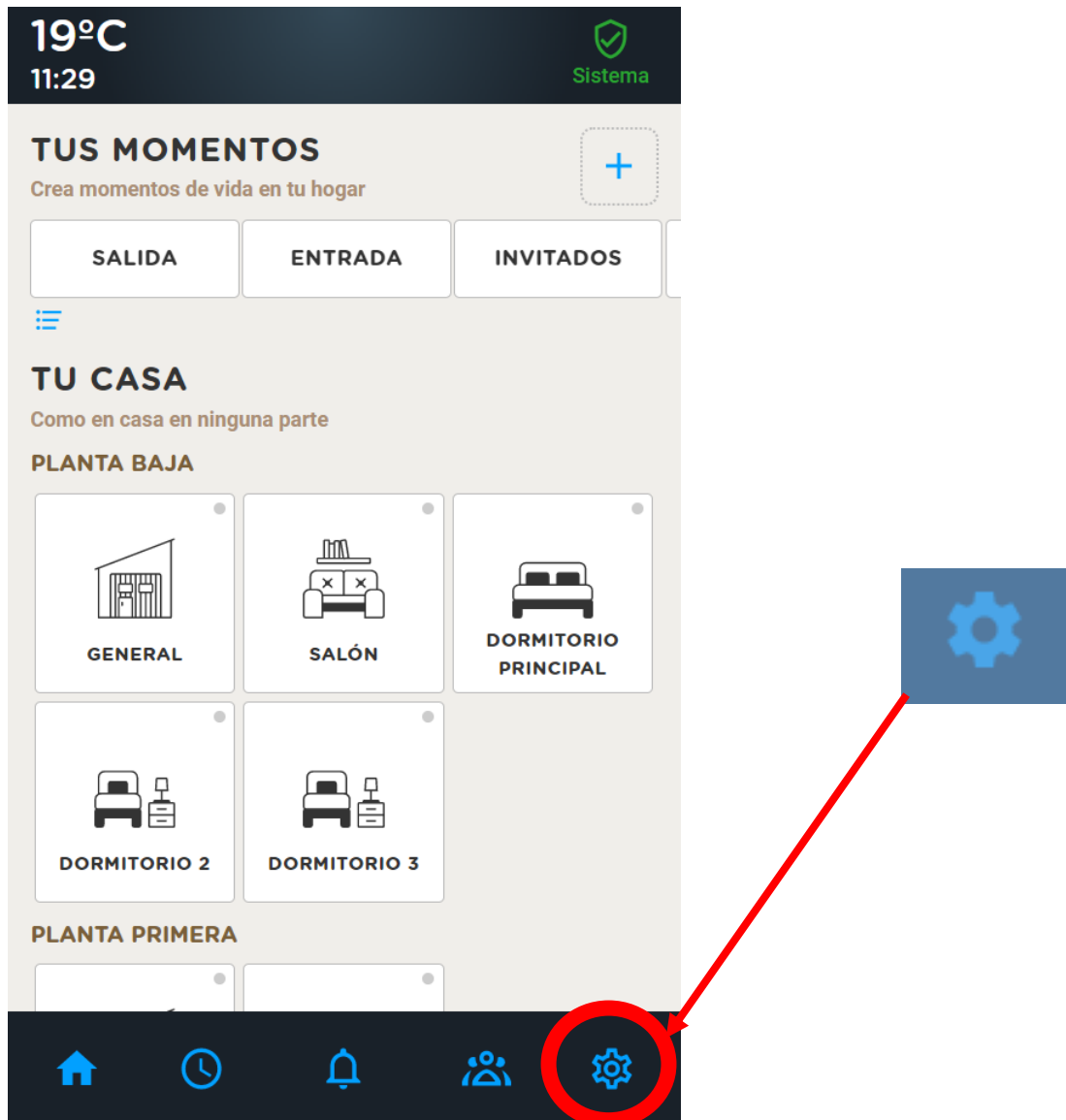
Please note that, due to restrictions in the **Ajax** event handling system, you can only link hubs that have a **single user with administrator privileges**.

Please also note **that if you change the settings** in the **Ajax** system, **you must first unlink** the Ajax account from the **Onna** system. Once the settings have been configured, you can then relink the accounts.

User Experience:

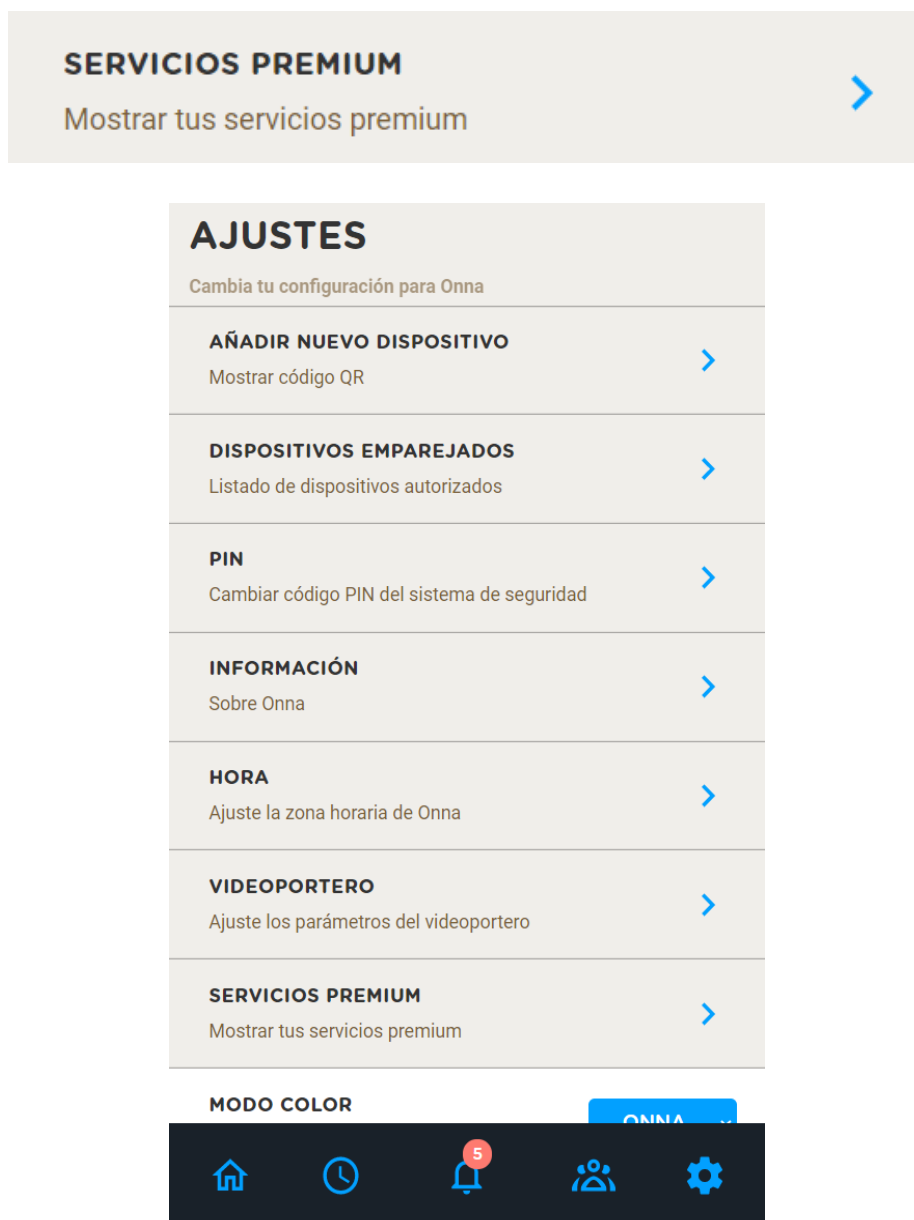
Go to Settings from the home page:

From the Home screen, tap the “Settings” icon to open the **Settings** screen.



Sección “Servicios Premium” en Settings:

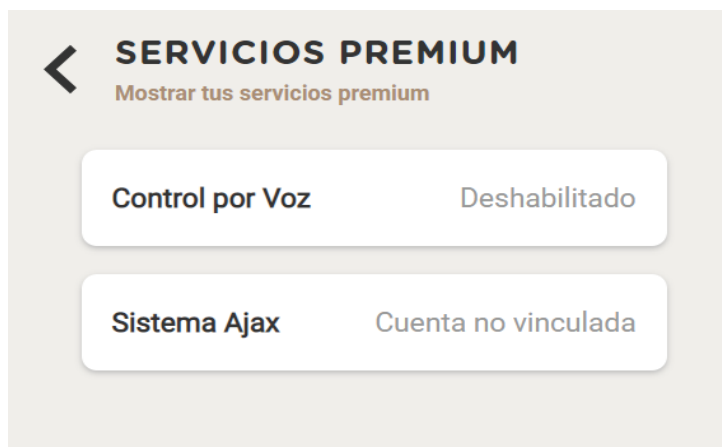
You’ll find a section in the settings, with the same visual layout as the “Settings” section; this section is called “Premium Services”.



Ajax System Integration Component:

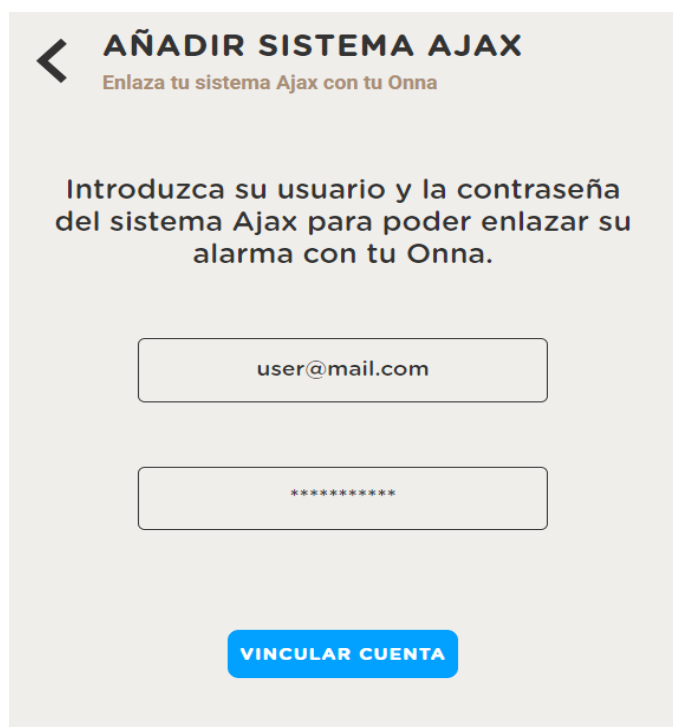
It provides a simple and clear interface where the user can select the option by clicking on **“Ajax System”**.

If you don't have an Ajax account linked yet, it will look like this:



Link Ajax account:

Next, you will need to enter the Ajax username and password you set up earlier. You can then link your account by clicking **“Link Account”**.



Selecting the Hub (Alarm Control Centre).

When you link your account, you will see a list of the hubs linked to your Ajax account. You must select one and then click **“Link”**.
By default, the first hub linked to your Ajax account will be selected.

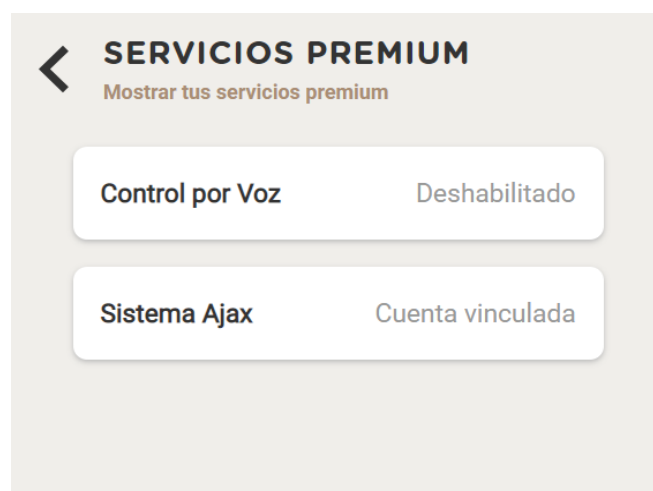


Registration completed

With these simple steps, your **Ajax** system will now be correctly linked to your **Onna**.



When you return to the “**Premium Services**” screen, you will see that the account is linked as follows:



Ajax features:

Monitoring the status of the Ajax alarm:

Once the account has been linked and the correct hub selected, the user will have a dedicated control for managing their alarm in **“Home”**.



From this section, you can execute the relevant commands:

- Set the alarm.
- Disarm the alarm.
- Select a partial arming setting using Night mode.
- Panic button to send an alert to security companies, so they receive the alert along with your location.



Depending on the status of the alert, different possible actions will be displayed. The current status of the alert will also be shown via a text message and an icon specific to each status.

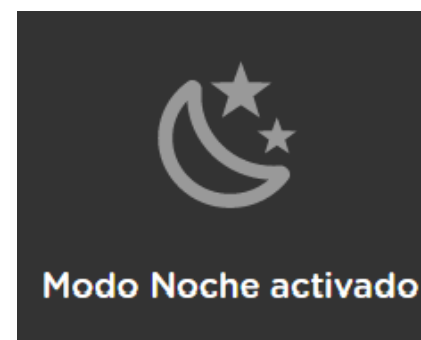
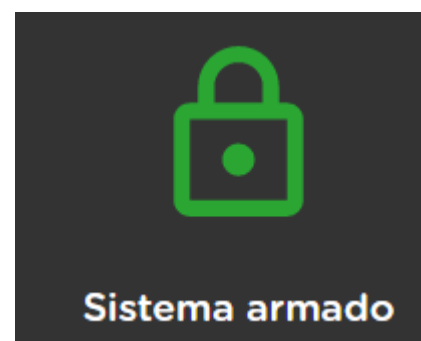
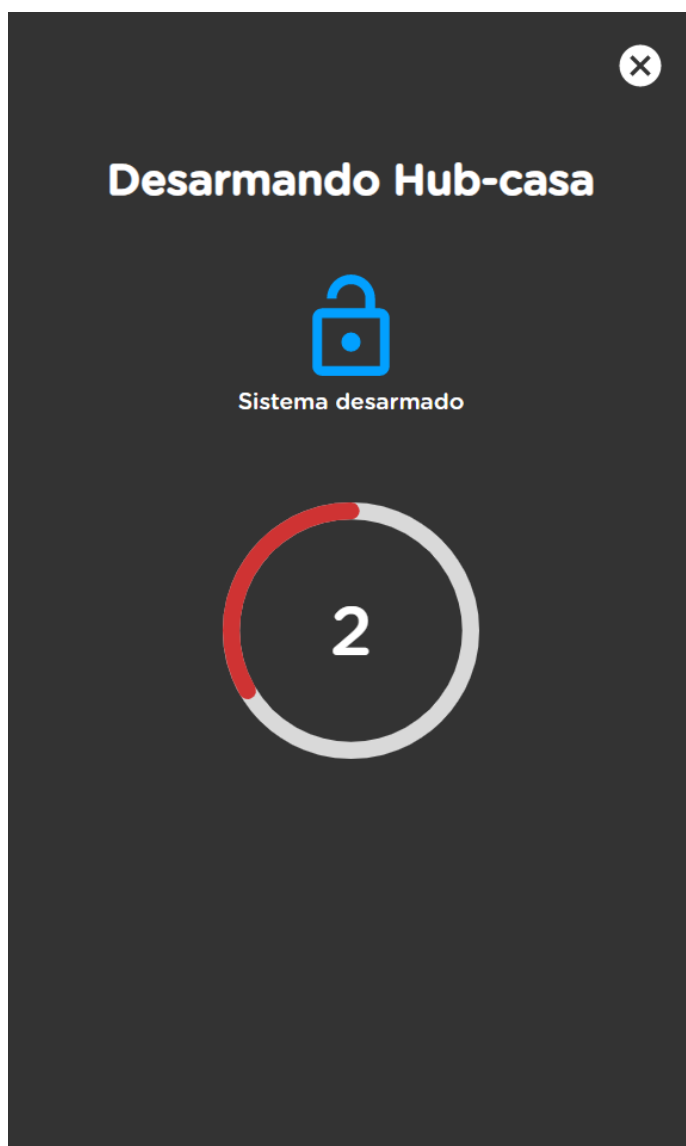


In addition, once the account has been linked, the Ajax logo will also appear in the top bar, indicating the alarm status through text and colour.





Whether you press one of the buttons that send specific commands to change the alarm status or tap the **Ajax** logo in the top bar of **Onna**, the following screen will appear to indicate that the command to set the alarm to the desired status will be sent in **5 seconds**.



During this time, you can tap the icon in the top-right corner to cancel the order.

When panic mode is activated, this emergency icon will appear, clearly distinguishing it from previous changes in the alarm status.

This action will trigger a notification containing the system's location, which security companies can then use to take appropriate action.



Ajax system notifications

When you connect the Ajax system, as well as receiving status updates, you will receive all events relating to the alarm and the devices linked to it in the **“Notifications”** section of **Onna**.

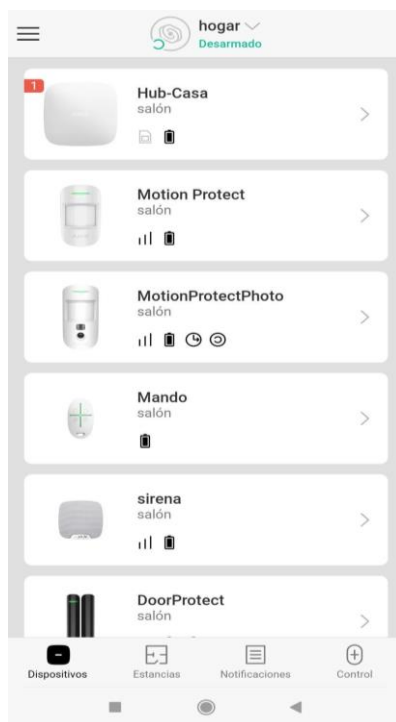
This allows users to have complete control over their Ajax alarm system via the **Onna** system, achieving seamless and straightforward integration that is fully scalable to accommodate any new **Ajax** devices they may wish to add (smoke and fire detectors, water leak detectors, window sensors, etc.).

NOTIFICACIONES		
2 avisos sin leer		
● AJAX	12:29:41 20/10/2024	
Botón de Pánico activado en la ubicación latitud -50.6, longitud -3.7.		
● AJAX	12:22:17 20/10/2024	
Botón de Pánico activado en la ubicación latitud -50.6, longitud -3.7.		
● AJAX	12:20:54 20/10/2024	
Tapa del Hub cerrada.		
● AJAX	12:20:51 20/10/2024	
Tapa del Hub abierta.		

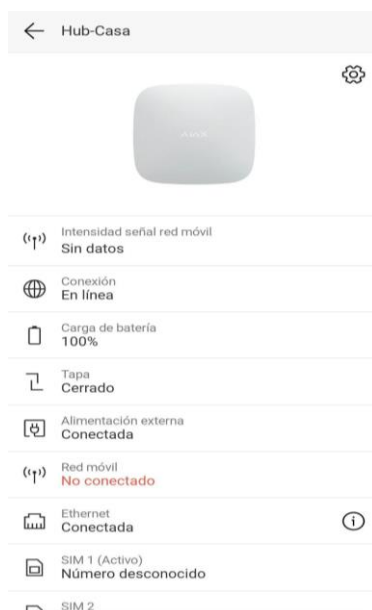
Features with Groups

Enable the Groups option

You can enable the option to group devices linked to a specific hub in the Ajax app. To do this, tap the “Devices” section and then tap the hub.



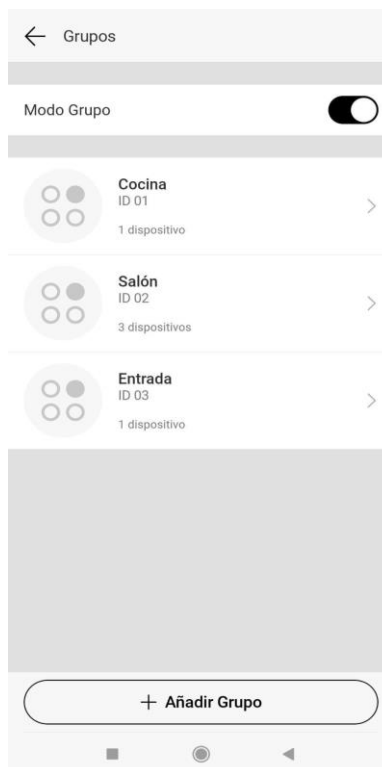
A cogwheel icon will appear in the top right-hand corner. Clicking on it will bring up various settings options.



Scrolling down, we'll see the 'Groups' option.



When you tap on “Groups”, you’ll see the option to enable or disable “Group Mode”; if enabled, this allows you to create different groups, up to a total of 9 per hub, as specified by Ajax.



Add Group:

In the “Groups” section, you can add a new group by clicking the “Add Group” button. You will need to enter a name, after which you can assign devices to that group.

Group Settings:

Once the new group has been created, it will appear in the “Groups” section. Clicking on it will display the group settings, which can be edited using the “Edit” button in the top-right-hand corner.



Among the options that can be modified in this group, the most important ones are **“Arm/Disarm if the system is armed”**.

It is important to be aware of which groups have these options enabled when performing a general arming or disarming of the hub via **Onna**, as the groups will respond according to these settings.

✕

Editar

Guardar

Nombre

Entrada

Con el nombre y la foto, es más fácil definir el grupo particular y conocer el lugar donde ocurrió el evento

Armar si se arma el sistema

☐

Desarmar si se desarma el sistema

☐

Borrar Grupo

Important:

You must link your account again, or restart **Onna**, every time you enable or disable the “Group Mode” option.

Viewing groups linked to the hub in Onna.

The groups view will add a new section called “Your Groups” to the hub view described above, consisting of icons for each group showing the group name and its status.

HUB-CASA
Sistema desarmado

ARMAR

NOCHE

PÁNICO

Tus grupos

COCINA
Sistema desarmado

Armar

SALÓN
Sistema desarmado

Armar

ENTRADA
Sistema desarmado

Armar

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In the case of groups, they will only have two states: “Armed” and “Unarmed”.

Tus grupos



The status of each group can be managed individually or collectively through the overall configuration of the hub, depending on the specific settings for each group mentioned above.



Partially assembled:

As group arming can be managed selectively, the overall alarm status will include a new status, “Partially armed”, which indicates that some groups are “Disarmed” whilst others are “Armed”.



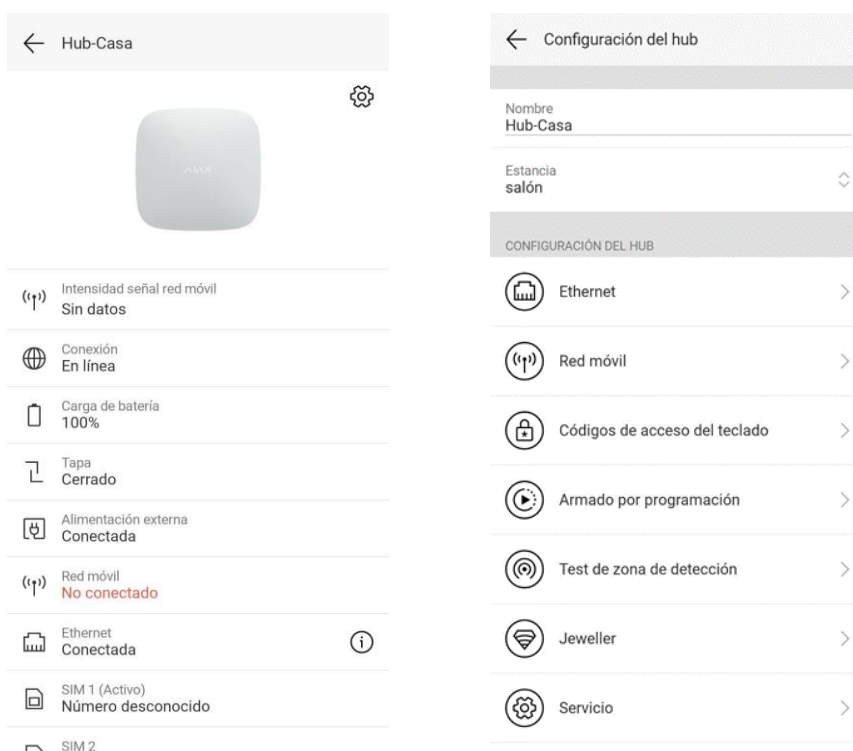
System integrity check:

To comply with the EN 50131 standard required for connecting the alarm to monitoring centres, the Ajax system allows us to activate a fault-checking mode.

Enable the System Integrity Check option:

You can enable this option in the Ajax app by tapping the “Devices” section and then tapping on the hub. A cogwheel icon will appear in the top right-hand corner.

When you click on it, various configuration options appear. Scroll down to see the “Service” option.



When you click on “Service”, you will see the option “System integrity check” at the bottom; when you click on it, you will see that you can either disable or enable it, in which case it will display the various check options.

← Servicio

Ajustar el brillo de la indicación del dispositivo

Actualización de firmware

Registro del sistema del hub Ethernet

Recopilar informes del sistema en el servidor

Retardo de las notificaciones de pérdida de alimentación externa

No establecido

Seleccione si desea recibir notificaciones instantáneas de corte eléctrico o recibir una notificación solo si no se restablece durante el tiempo de retardo seleccionado

CONFIGURACIÓN AVANZADA

Conexión al servidor

Sonidos y alertas

Configuración de detectores de incendio

Comprobación de integridad del sistema

← Comprobación de integridad del sistema

Comprobación de integridad del sistema

Si está activado, el sistema comprobará y alertará sobre las ventanas y puertas abiertas o malos funcionamientos si los hubiera

COMPROBACIÓN DE ESTADOS DEL HUB

Carga de batería

Disponibilidad de alimentación

Estado de la tapa

Nivel de ruido

Conexión al servidor

Conexión al centro de supervisión

Seleccione los estados del hub que desea incluir en la comprobación de integridad del sistema antes de armar

OTRAS COMPROBACIONES

Estado del cerrojo

Assembly permit with incidents:

In the same section, there is also an option to enable or disable “Arming Permission”; if enabled, this allows the system to be armed even if faults are present, but if any faults are detected, a confirmation message will be displayed first and the system will not be armed.

← Comprobación de integridad del sistema

Carga de batería

Disponibilidad de alimentación

Estado de la tapa

Nivel de ruido

Conexión al servidor

Conexión al centro de supervisión

Seleccione los estados del hub que desea incluir en la comprobación de integridad del sistema antes de armar

OTRAS COMPROBACIONES

Estado del cerrojo

Seleccione qué funciones adicionales incluir en la comprobación de integridad del sistema antes de armarlo

Permiso de armado

Si está habilitado, el sistema puede armarse incluso con fallas

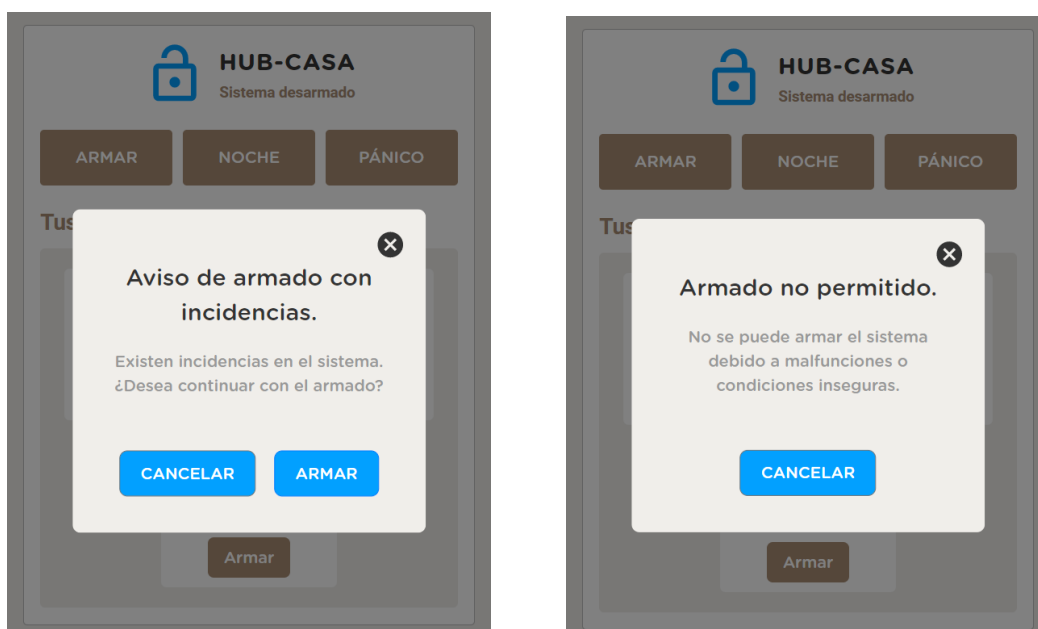
If this option is disabled, the system will not allow arming if any device malfunctions are detected, and a warning will also be displayed.

Important:

You must link your account again, or reset Onna, every time you enable or disable the “System integrity check”, “Arming permission” or any other verification option, and once you have corrected the fault indicated by the system.

Display of fault messages in Onna when the system integrity check is enabled.

In Onna, we have added a feature that displays warnings if you attempt to arm the system whilst there are faults, depending on whether arming is permitted or not according to the Ajax settings described above.



Ajax notifications managed by Onna.

1. Monitoring the state of emergency:

- **Unarmed:**
 - M_22_00, M_OB_20: These codes are used to set the *alarm status to Disarmed* (via Onna, the Ajax app or the remote control).
- **Assembly:**
 - M_22_01, M_OB_21: These indicate that the alarm has been armed, and the system changes its status to 'Armed' (via Onna, the Ajax app or the remote control).

- **Night mode:**
 - M_22_02, M_OB_22: The alarm status is updated to Night Mode (via Onna, the Ajax app or the remote control).
 - M_22_28: Night mode disabled.
- **Failed assembly attempt:**
 - M_22_24, M_OB_24: Failed attempt to arm the hub (via Onna, the Ajax app or the remote control).
- **Hub configuration with issues:**
 - M_22_26, M_OB_26: Hub setup with issues (via Onna, the Ajax app or the remote control).
- **Night mode with issues:**
 - M_22_27, M_OB_27: Night mode with alerts (via Onna, the Ajax app or the remote control).
- **Failed attempt to enable Night Mode:**
 - M_22_25, M_OB_25: Failed attempt to activate Night Mode (via Onna, the Ajax app or the remote control).
- **Disabling Night Mode:**
 - M_22_28, M_OB_28: Disarming Night Mode (via Onna, the Ajax app or the remote control).

2. Panic attacks:

- **Panic button activated via remote control:**
 - M_OB_23: A panic alert is triggered via a remote control, generating a notification with the location.
- **Panic mode activated:**
 - M_22_03: Similar to the previous event, but triggered directly from the Ajax app or from **Onna**. An alert is generated containing the coordinates.

3. Hub-specific events:

- **Hub disconnected (offline):**
 - M_21_0A: The hub is detected as having lost connection, triggering an alert.
- **Hub reconnected:**
 - M_21_0B: The hub is back online, triggering a notification.
- **Powering off the hub:**
 - M_21_0C: The hub has been switched off, triggering an alert.

- **Powering on the Hub:**
 - M_21_0D: The hub has powered up, indicating that it is operational again.
- **Factory reset:**
 - M_21_0E: A factory reset has been detected on the hub.
- **Disconnecting the external power supply from the hub:**
 - M_21_00: An alert is generated indicating that the hub has lost its external power supply.
- **Restoring the Hub's external power supply:**
 - M_21_01: A notification is sent that power has been restored.
- **Low battery on the Hub:**
 - M_21_02, M_ABS_03: The system detects low battery power and triggers an alert to replace or recharge the batteries.
- **Hub battery charged:**
 - M_21_03, M_ABS_02: A notification is displayed indicating that the battery has been recharged.
- **Hub cover open:**
 - M_21_04: An alert is sent if the hub cover has been opened, indicating possible tampering.
- **Hub cover closed:**
 - M_21_05: Notification that the hub cover has been closed correctly.
- **Changing the time zone via the Ajax app:**
 - M_22_44: Notification regarding a change in the time zone.

4. Events common to all linked devices:

- **Device cover open:**
 - M_ABS_00: Alerts you when the cover of a device has been opened.
- **Device cover closed:**
 - M_ABS_01: Notification when the lid has been closed.
- **Device battery recharged:**
 - M_ABS_02: A notification is displayed indicating that the battery has been recharged.
- **Low battery on the device:**
 - M_ABS_03: The system detects low battery power and triggers an alert to replace or recharge the batteries.

- **Offline device:**
 - M_ABS_04: An alert indicating that the device has lost connection.
- **In-line device:**
 - M_ABS_05: Notification when the device is reconnected.
- **Synchronisation with the device failed:**
 - M_ABS_06: Alert indicating that device synchronisation has failed.
- **Successful synchronisation with the device:**
 - M_ABS_07: Notification when synchronisation has been successful.
- **Device added:**
 - M_ABS_08: A notification is sent when a new device has been added to the system.
- **Device removed:**
 - M_ABS_09: A notification is generated when a device has been removed from the system.
- **Device disabled:**
 - M_ABS_0A: Alerts when a device has been deactivated.
- **Device activated:**
 - M_ABS_0B: Notification when a device has been activated.

5. Device-specific events:

- **Motion detected by MotionProtect:**
 - M_02_20: Alerts you when a motion detector detects movement.
- **Photos downloaded from MotionCam:**
 - M_OD_20: Alert from a MotionCam motion detector. This may include the download of photos.

6. Other events:

- **New room created:**
 - M_24_08: Notification when a new room is created.
- **Room removed:**
 - M_24_09: Notification when a room is deleted.

7. Emergency events not verified by the device:

- **Water leak detected:**
 - M_05_20: An alert indicating that a water leak has been detected.
- **Smoke alarm triggered:**
 - M_03_20: Alerts when smoke or fire is detected.
- **Glass breakage detected:**
 - M_04_20: An alert notifying of a broken window.
- **Open door:**
 - M_01_20: Alerts when a door is detected as being opened.
- **Door closed:**
 - M_01_21: Notification when the door has been closed.

8. Groups:

- **Setting up a specific group:**
 - M_22_2A: Formation of a specific group.
- **Failed attempt to form a group:**
 - M_22_2E, M_0B_2E: Failed attempt to arm the system (via Onna, the Ajax app or the remote control).
- **Setting up a specific group to deal with incidents:**
 - M_22_2D, M_0B_2E: Setting up a specific group with issues (using Onna, the Ajax app or the remote control).
- **Disbandment of a specific group:**
 - M_22_29: Disbandment of a specific group.
- **New group created:**
 - M_23_08: Notification that a group has been created and added to the “Your Groups” section.
- **Group eliminated:**
 - M_23_09: Notification that the group has been deleted and removed from the “Your Groups” section.

Ajax devices currently supported

Onna is currently compatible with a wide range of Ajax devices, allowing users to manage their security system via **Onna**. These devices include:

- **Motion sensors:** MotionProtect, MotionCam.
- **Door/window opening sensors:** DoorProtect.
- **Smoke and fire detectors:** FireProtect.
- **Water leak detectors:** LeaksProtect.
- **Sirens:** Home Siren, Street Siren.
- **Remote controllers and keypads:** SpaceControl, KeyPad.
- **Hub (Control Centre):** The central component of the Ajax system.