Hub BP Jeweller user manual

Updated December 17, 2025



Hub BP Jeweller is a wireless control panel, which is powered by an external battery and supports photo verification. The hub connects to the Ajax Cloud server via two SIM cards (2G/3G/LTE) and has external antenna connectors for cellular, Jeweller, and Wings communication channels.

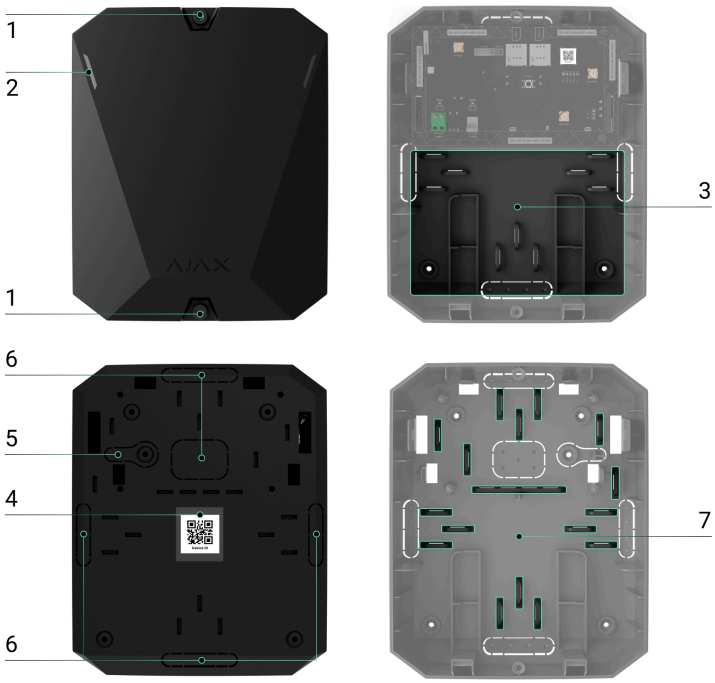
To connect to the Ajax Cloud server, Hub BP Jeweller requires internet access. The hub uses two SIM cards as available communication channels.

Buy Hub BP Jeweller

Buy ExternalAntenna

Functional elements

Casing elements

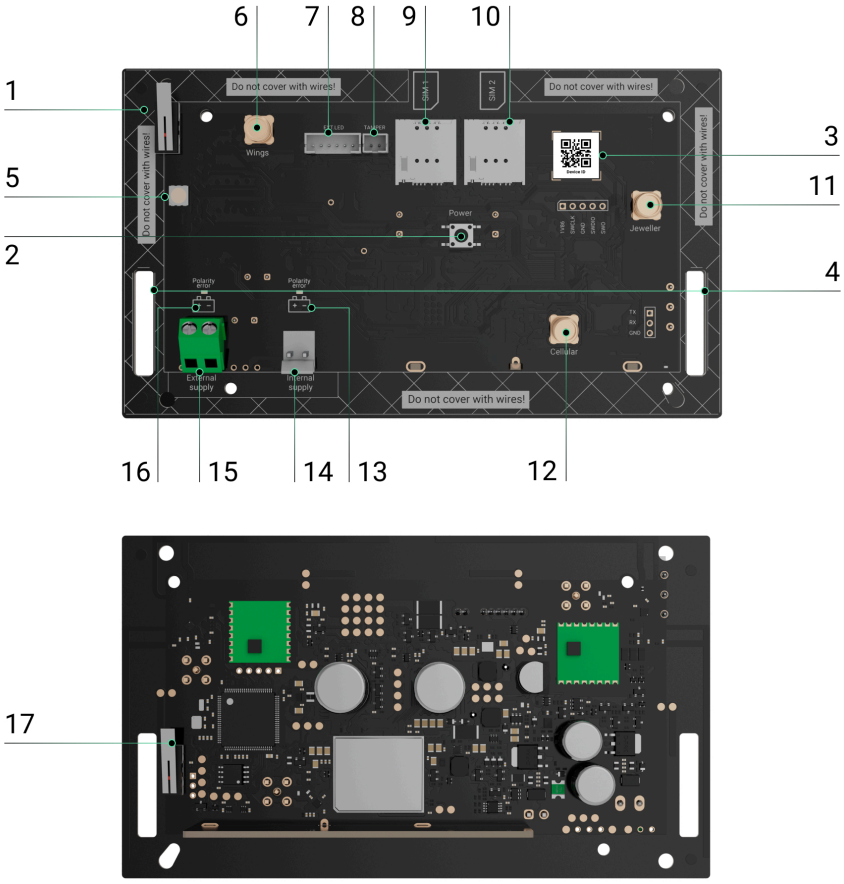


1. Screws to secure the casing lid. To unscrew them, use a bundled hexagon key (Ø 4 mm).
2. Light guide to indicate the hub state.
3. Part with holders for an internal battery.

> An internal battery is not included.

4. QR code and ID (serial number) of the control panel.
5. Perforated part of the casing. It is necessary for the tamper button to be triggered if there is any attempt to detach the device from the surface. Do not break it off.
6. Perforated parts of the casing for routing the power wires and antenna cables.
7. Cable fasteners.

Board elements



1. First tamper button.
2. Power button.
3. QR code. Use it to add the hub to the space in an Ajax app.
4. Fixing points for attaching the Hub BP Jeweller board to the casing.
5. LED indicator.
6. External antenna connector for Wings communication channel (SMA female connector).
7. Connector for attaching an external LED to the hub. **Unused in this version of the control panel**.
8. Connector for attaching a **tamper board** to the hub. **Unused in this version of the control panel**.
9. Slot 1 for micro SIM.

10. Slot 2 for micro SIM.
11. External antenna connector for Jeweller communication channel (SMA female connector).
12. External antenna connector for cellular communication channel (SMA female connector).
13. Polarity error indicator for an internal battery.
14. Internal battery connector.
15. External power source terminal connector.
16. Polarity error indicator for an external power source.
17. Second tamper button.

Operating principle



Hub BP Jeweller is a control panel of an Ajax system. It controls the operation of connected devices.

You can connect up to 100 wireless Ajax devices to Hub BP Jeweller. Connected devices protect against intrusion, fire, and flooding and also allow you to control electrical appliances according to scenarios or manually — in a mobile app or by pressing the panic button, **LightSwitch**, or **keypad with a touch screen**.

To monitor the operation of all security system devices, the hub communicates with the connected devices using two **encrypted protocols**:

1. **Jeweller** is a radio protocol for transmitting events and alarms from Ajax wireless devices. The communication range is up to 2,000 m without obstacles, such as walls, doors, or inter-floor constructions.
2. **Wings** is a radio protocol for transmitting photos from MotionCam and MotionCam Outdoor detectors. The communication range is up to 2,000 m without obstacles, such as walls, doors, or inter-floor constructions.

Learn more about Jeweller and Wings

If a detector is triggered, the system raises an alarm in less than a second. In case of an alarm, the hub activates the sirens, starts the scenarios, and notifies the security company's monitoring station and all users.

Sabotage protection

Hub BP Jeweller has two SIM card slots for connecting to the Ajax Cloud server. This allows you to connect the device to two different mobile network operators at the same time. If one of them is unavailable, the hub automatically switches to another one and informs the security company's monitoring station and system users.

When a jamming attempt is detected, the system switches to an idle radio frequency and sends notifications to the security company's monitoring station and system users.

What is security system jamming

The hub regularly checks the quality of communication with all connected devices. If any device loses connection with the control panel, upon expiry of the time specified by the administrator, all system users (depending on the settings), as well as the security

company’s monitoring station, will receive a notification about the incident.

Learn more

No one can turn off the hub unnoticed, even when the facility is disarmed. If an intruder tries to open the hub casing, the tamper button will trigger immediately. The alarm notification will be sent to the security company and system users.

What is a tamper

The hub rechecks the Ajax Cloud connection at regular intervals. The ping period is specified in the hub settings. If a minimum ping period is set, the server may notify the users and the security company in as little as 60 seconds after the connection is lost.

Learn more

OS Malevich

Hub BP Jeweller is run by the real-time operating system OS Malevich. It is protected from viruses and cyber-attacks.

OS Malevich brings new features and functionality to the Ajax system through over-the-air updates. The update does not require the involvement of an installation engineer or user.

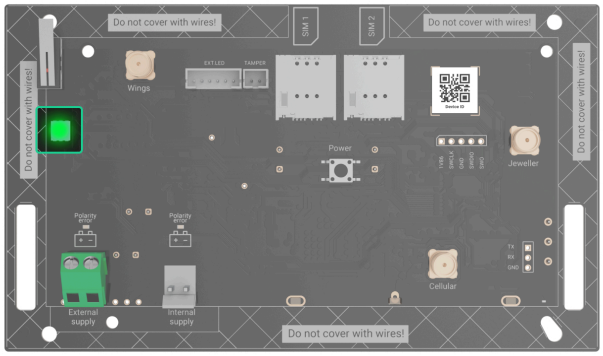
The update takes up to 2 minutes with the security system disarmed and the internal or external power source connected.

How OS Malevich updates

Indication

The hub has two LED indication modes:

- **Hub – server connection.**
- **British disco.**



Hub – server connection

Hub – server connection mode is enabled by default. The hub LED has a list of indications showing the system state or events occurring. Hub BP Jeweller can light up red, white, purple, yellow, blue, or green, depending on the state.

Users can also monitor the Hub BP Jeweller states in Ajax apps.

Indication	Event	Note
Lights up green.	The communication channel is connected: via one or two SIM cards. Learn more	When operating on an internal battery only, the indicator will blink every 10 seconds.
Lights up red.	The hub is not connected to the internet or the Ajax	When operating on an internal battery only, the

	Cloud server.	indicator will blink every 10 seconds.
Flashes red two times.	The hub failed to establish a connection with the Ajax Cloud server using all available APNs.	

If you see an indication while using the system that is not listed in this user manual, please contact the Ajax support service.

British disco

The function can be enabled in the hub settings in the PRO app (Hub → Settings → Service → LED indication).

Indication	Event	Note
Hub state changes		
White LED flashes once per second.	**Two-Stage Arming** or **Delay When Leaving**.	One of the devices is performing **Two-Stage Arming** or **Delay When Leaving**.
Green LED flashes once per second.	Entry indication.	One of the devices is performing **Delay When Entering**.
White LED lights up for 2 seconds.	Arming is completed.	The hub (or one of the groups) is changing its state from Disarmed to Armed.
Green LED lights up for 2 seconds.	Disarming is completed.	The hub (or one of the groups) is changing its state from Armed to Disarmed.
Alerts and malfunctions		
Red and purple LED flashes in sequence for 5 seconds.	Confirmed hold-up alarm.	There is an unrestored state after a confirmed hold-up alarm.

		The indication is displayed only if restoration after **Confirmed hold-up alarm** is enabled in the settings.
Red LED lights up for 5 seconds.	Hold-up alarm.	There is an unrestored state after a hold-up alarm. The indication is not displayed if there is a confirmed hold-up alarm state. The indication is displayed only if restoration after **Single hold-up alarm** is enabled in the settings.
Red LED flashes.	The number of flashes equals the Device No. of a hold-up device (DoubleButton), the first to generate the hold-up alarm.	There is an unrestored state after the confirmed or unconfirmed hold-up alarm: • **Single hold-up alarm**

		or • **Confirmed hold-up alarm**
Yellow and purple LED flashes sequentially for 5 seconds.	Confirmed intrusion alarm.	There is an unrestored state after the confirmed intrusion alarm. The indication is displayed only if restoration after **Confirmed intrusion alarm** is enabled in the settings.
Yellow LED lights up for 5 seconds.	Intrusion alarm.	There is an unrestored state after the intrusion alarm. The indication is not displayed if there is a confirmed intrusion alarm condition. The indication is displayed only if restoration after **Single intrusion**

		alarm is enabled in the settings.
Yellow LED flashes.	The number of flashes equals the Device No. that first generated the intrusion alarm.	There is an unrestored state after the confirmed or unconfirmed intrusion alarm: • **Single intrusion alarm** or • **Confirmed intrusion alarm**
Red and blue LED flashes in sequence for 5 seconds.	Lid opening.	There is an unrestored tamper state or an open lid on any of the devices, or the hub. The indication is displayed only if restoration after **Lid opening** is turned on in the settings.
Yellow and blue LED flashes in sequence for 5 seconds.	Other malfunctions.	There is an unrestored fault state or a malfunction of any device or the hub. The indication is displayed only if restoration after **Other malfunctions** is

		enabled in the settings.
Dark blue LED lights up for 5 seconds.	Temporary deactivation.	One of the devices is temporarily deactivated, or the lid state notifications are disabled.
Blue LED lights up for 5 seconds.	Automatic deactivation.	One of the devices is automatically deactivated by an opening timer or the number of detections.
Green and blue LED flashes in sequence.	Alarm timer expiration. **Learn more about the Alarm confirmation feature**	Displayed after the alarm timer expires (to confirm the alarm).

When nothing is happening in the system (no alarm, malfunction, lid opening, etc.), the LED lights up green.

Access to indications

Hub BP Jeweller users can see the **British disco** indication after they:

- Arm/disarm the system using the Ajax keypad.
- Enter the correct user ID or personal code on the keypad and perform an action that has already been performed (for example, the system is disarmed, and the disarm button is pressed on the keypad).
- Press the SpaceControl button to arm/disarm the system or activate **Night Mode**.
- Arm/disarm the system using Ajax apps.

All users can see the **Hub state changes** indication.

Alert indication

If the system is disarmed and any of the indications from the table are present, the yellow LED flashes once per second.

If there are several states in the system, the indications are displayed one by one, in the same sequence as shown in the table.

Ajax account

To configure the system, install the **Ajax app** and create an account. Installers and monitoring companies use Ajax PRO accounts to configure the system for users.

How to create the Ajax account

How to create the Ajax PRO account

There is no need to create a new account for each hub, as one account can manage multiple systems. Separate access rights can be configured for each hub if needed.

Both user and system settings, as well as parameters of connected devices are stored in the hub. Changing the hub admin, adding or removing users does not reset the settings of devices added to the hub.

Hub connection to Ajax Cloud

To connect to the Ajax Cloud server, Hub BP Jeweller requires internet access. The connection is needed for remote system control and

configuration in Ajax apps, as well as for sending push notifications to users.

Hub BP Jeweller connects to the internet via a cellular network. To increase the system's reliability and availability, insert SIM cards into both slots.

For the hub to connect via a cellular network, you need to install a micro SIM card with a disabled PIN code request and sufficient funds in the account to pay for services under the operator's tariff plan. To disable the PIN code request, insert the SIM card into your phone.

Since the hub connects to the internet only via a cellular network, it automatically sets the APN settings based on the installed SIM card to establish the internet connection. This feature is controlled by the APN auto select setting and is enabled by default for both SIM cards.

To connect the hub to Ajax Cloud:

1. Unscrew the screws that secure the casing if installed. To do this, use a Ø 4 mm hexagon key included in the hub complete set.

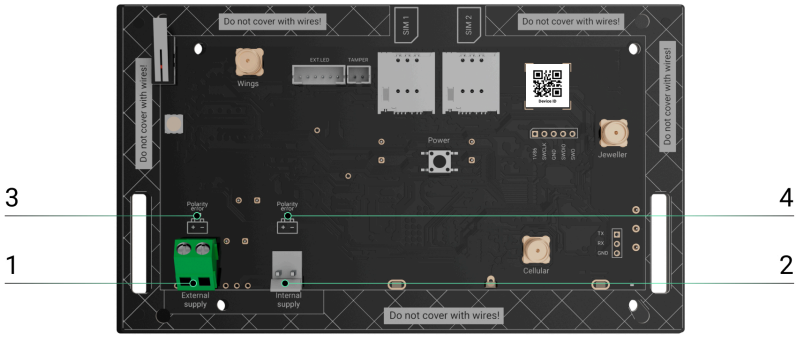


2. Remove the lid of the hub casing.



3. Install the Hub BP Jeweller board into the casing.

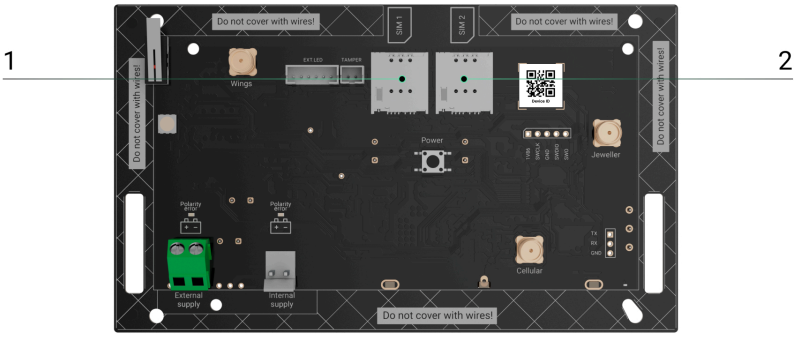
4. Connect the power supply to the appropriate connectors:



1 — External power source terminal connector.
2 — Internal battery connector. Connect a 12 V⎓ battery.
3 — **Polarity error** indicator for an external power source.
4 — **Polarity error** indicator for an internal battery.

Indicators 3 and 4 light up in case of polarity reversal when connecting the power supply (when the power supply “-” is connected to the terminal “+” and vice versa).

5. Install SIM cards:



1 — Slot 1 for micro SIM.
2 — Slot 2 for micro SIM.

6. Hold down the hub's power button. As soon as the hub is on, the LED on the hub board will light up.

7. Wait until the control panel is connected to the internet. The green LED indicates that the hub is ready for operation.

Once the internet connection is established and the hub is added to an Ajax app, you can manually configure the network parameters for another micro SIM card. In the SIM card settings, disable the **APN auto select** option and configure roaming, APN, username, and password. For information on these parameters, contact the support service of your mobile operator.

Do not disable the **APN auto select** option or manually configure the network parameters for the current SIM card that provides an internet connection. This may result in a loss of connection, and the hub will go offline.

How to set or change the hub APN settings

Adding a hub to the Ajax app

Use the latest Ajax apps and OS Malevich versions to access all available features and ensure proper system operation.

Granting access to all system functions (to display notifications in particular) is a mandatory condition for managing the Ajax system via the smartphone/tablet.

1. Open the Ajax app and log in to your account.
2. Select a space or create a new one.

   What is a space

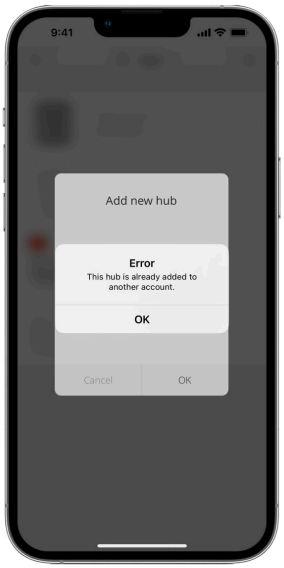
   How to create a space

3. Open the **Add Hub** menu and select how to add a new hub: manually or using a step-by-step tutorial.
4. At the registration stage, type the hub name and scan the QR code on the casing's back (or enter the ID manually).
5. Wait until the hub is registered and displayed in the app.



If there are already users on the hub, the hub admin, PRO with the rights to configure the system, or the installation company maintaining the selected hub can add your account. You will be notified that the hub has already been added to another account. Contact our Technical Support to determine who has admin rights on the hub.

User account types and rights



Adding devices

During the first hub registration in the app, you will be prompted to add devices to protect the room. However, you can refuse and return to this step later.

An admin or PRO with the rights to configure the system can add the device only when the system is disarmed.

1. Open the Ajax app. Select the space if you have several of them or if you are using a PRO Ajax app.
2. Go to the **Rooms** tab.
3. Open the room and select the **Add Device** option.
4. Name the device, scan the **QR code** (or enter the ID manually), select the room, and go to the next step.
5. When the app starts searching and launches countdown, switch on the device: its LED will flash once. For detection and pairing to occur, the device should be located within the coverage area of the wireless network of the hub (at a single protected facility).

The device connected to the hub will appear in the list of hub devices in the Ajax app. You can **find** the device by entering part of the name, model, or ID in the search field.

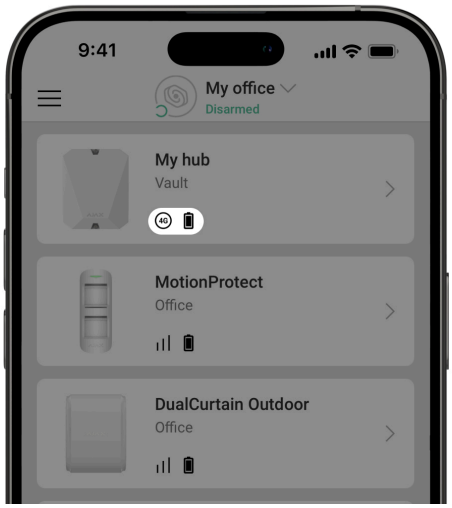
If the connection fails on the first try, switch off the device for 5 seconds and retry.

Malfunctions

The hub may notify about malfunctions. Tapping on ⓘ opens the list of all malfunctions. The **Malfunctions** field is available in device **States** and is displayed only if a malfunction is detected, e.g.:

- **Battery isn't found.**
- **Battery doesn't charge.**
- **Flash memory error.**

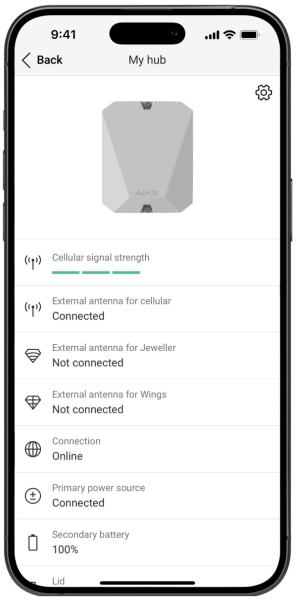
Icons



Icons display some of the Hub BP Jeweller statuses. You can view them in the Ajax app, in the **Devices** tab.

Icon	Meaning
	The hub operates in the 2G network.
	The hub operates in the 3G network.
	The hub operates in the 4G (LTE) network.
	The SIM card is faulty or has a PIN code set up. Check SIM card operation in the phone and disable the PIN code request.
	The hub battery charge level. Displayed in 5% increments.
	An internal battery is not connected.
	The external power source voltage is lower than permissible.
	The hub is directly connected to the monitoring station of the security company. The icon is not displayed if direct connection is not available or not configured. Learn more
	The hub is not directly connected to the central monitoring station of the security company. The icon is not displayed if direct connection is not available or not configured. Learn more
Saving mode	The hub is in the **Saving mode** state.
Offline	The hub has lost connection with the Ajax Cloud server.

States



States can be found in the **Ajax app**:

1. Go to the **Devices** tab.
2. Select **Hub BP Jeweller** from the list.

Parameter	Meaning
Malfunction	Tap the (i) button to open the list of hub **malfunctions**. The field appears only if a malfunction is detected.
Cellular signal strength	The signal strength of the active SIM mobile network. Install the hub in places where the cellular communication level reaches 2-3 bars. If the hub is installed in a place with weak or unstable signal strength, it will not be able to call or send an SMS about an event or alarm.

	Consider using ExternalAntenna.
External antenna for cellular	External antenna connection status: • **Connected** — the antenna is connected to a cellular port. • **Not connected** — the antenna is not connected to a cellular port. • **Damaged** — the antenna is broken. External antenna breakage detection is possible only when the hub casing is closed properly.
External antenna for Jeweller	External antenna connection status: • **Connected** — the antenna is connected to a Jeweller port. • **Not connected** — the antenna is not connected to a Jeweller port. • **Damaged** — the antenna is broken. External antenna breakage detection is possible only when the hub casing is closed properly.
External antenna for Wings	External antenna connection status:

	• **Connected** — the antenna is connected to a Wings port. • **Not connected** — the antenna is not connected to a Wings port. • **Damaged** — the antenna is broken. External antenna breakage detection is possible only when the hub casing is closed properly.
Connection	The status of connection between the hub and Ajax Cloud: • **Online** — the hub is connected to Ajax Cloud. • **Offline** — the hub is not connected to Ajax Cloud. Check the hub internet connection. If the hub is not connected to the server, the icons of the hub and all connected devices become semi-transparent in the list of devices.
External power source	External power source connection status: • **Connected** — the hub is connected to an external power source. • **Disconnected** — there is no external power source. Check the connection of Hub BP Jeweller to an external power source. If the voltage is not sufficient, the hub will report **Low Voltage**.
Internal battery	At a charge level of 20% and below, the hub will report a low battery charge.

	If the battery is not connected to the hub, the status **Battery not installed** is displayed. Learn more
Lid	The status of tampers that respond to dismantling or opening of the hub casing: • **Closed** — the hub lid is closed. The normal state of the hub casing. • **Open** — the hub casing is open, or the casing's integrity is otherwise compromised. Check the state of the hub casing. The hub detects casing lid opening if either or both tamper buttons are triggered. ⓘ If the casing lid is open, detection of the external antenna breakage is impossible. Learn more
Tamper board	The status of the Case's tamper board connection to the hub board: • **Not connected** — the tamper board is not connected to the hub. • **Connected** — the tamper board is connected to the hub.
Cellular data	Mobile internet connection status of the hub: • **Connected** — the hub is connected to Ajax Cloud via mobile internet.

	• **Not connected** — the hub is not connected to Ajax Cloud via mobile internet. Check the Hub BP Jeweller connection to the internet via the mobile network. If the cellular signal strength reaches 1–3 bars, and the hub has enough funds and/or has bonus SMS/calls, it will be able to call and send SMS, even if this field displays the **Not connected** status.
Active	Displays active SIM card: • **SIM card 1** — the hub works with a SIM card installed in the first slot. • **SIM card 2** — the hub works with a SIM card installed in the second slot.
SIM 1	The number of the SIM card installed in the first slot. To copy the number, tap on it. If the phone number is displayed as an Unknown number, the operator has not written it to the memory of the SIM card.
SIM 2	The number of the SIM card installed in the second slot. To copy the number, tap on it. If the phone number is displayed as an Unknown number, the operator has not written it to the memory of the SIM card.
Average noise (dBm)	Average noise in the radio channel. Measured in the place where the hub is installed. The first two values show the level at Jeweller frequencies, and the third — at Wings frequencies.

	The acceptable value is –80 dBm or lower. For example, –95 dBm is considered acceptable, and –70 dBm is invalid. **What is security system jamming**
Monitoring station	The status of direct connection of the hub to the central monitoring station of the security company: • **Connected** — the hub is directly connected to the security company's central monitoring station. • **Not connected** — the hub is not directly connected to the security company's central monitoring station. If this field is displayed, the security company uses direct connection to receive events and security system alarms. **Learn more**
Scheduled wake-up	⚠ Available with OS Malevich 2.30 and later versions. The status of the scheduled wake-up feature. The feature allows setting the date and time when the hub wakes up on demand from the battery saving mode and becomes active for configuration and management. The available states are: • **Not set** — the scheduled wake-up is not set. • **Date, time** — the next wake-up on demand is scheduled for the specified date and time.

	Tap ⟳ to open the feature settings. Settings are available only in **Ajax PRO apps**.
Hub model	Hub model name. **Differences between Ajax hubs**
Hardware version	Hub BP Jeweller hardware version. Not updated.
Firmware	Hub BP Jeweller firmware version. Updates remotely. **Learn more**
Device ID	Identifier (first 8 digits of the serial number) of the hub. The identifier is located on the device box and on the board under the QR code.
IMEI	A unique 15-digit serial number for identifying the hub's modem on a GSM network. It is shown only when a SIM card is installed in the hub.

Selecting the installation site

Fix the Hub BP Jeweller casing on a vertical surface using bundled fasteners. All the necessary holes for fastening have already been made in the casing.



It is necessary to fix the hub vertically so that the tamper responds if someone tries to detach a device. Learn the battery documentation before installing because some batteries can be mounted only vertically (with terminals upward). Another installation position could cause fast battery degradation.

It is advisable to choose an installation site where the hub is hidden from prying eyes, for example, in a pantry. This will help reduce the likelihood of sabotage or security system jamming. Note that the device is intended for indoor installation only.

Select a location where the hub can be connected to the cellular network. The cellular signal strength at the installation site should be stable and reach 2-3 bars. In places with poor signal reception, it is recommended to install an external antenna. We do not guarantee the correct operation of the unit with a low cellular signal strength.

When choosing a location, take into account the distance between the hub and wireless devices and the presence of obstacles between them that may interfere with the passage of the radio signal. Such obstacles may include walls, raised floors, or large objects in the room. Use an external antenna if necessary.

To roughly calculate the signal strength at the site where wireless devices are installed, use our **radio communication range calculator**.

Run the Jeweller and Wings signal strength tests. The stable signal strength of 2–3 bars with all connected devices should be provided at the chosen installation site. With a signal strength of 1 or 0 bars, we do not guarantee stable operation of the security system.

If the system has devices with signal strength of 1 or 0 bars, consider using ExternalAntenna or relocating the hub or device. If this is not possible or the device still has low or unstable signal strength after being moved, use **range extenders**.

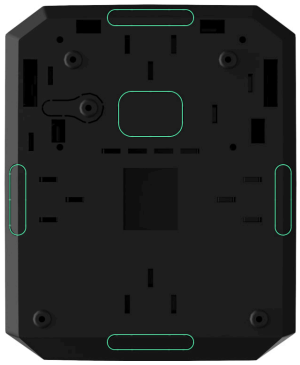
Installation of the control panel

During installation and operation of the Ajax system, adhere to the rules and requirements of regulatory legal acts on electrical safety. Do not disassemble the device while it is energized or use it with a damaged power cable.

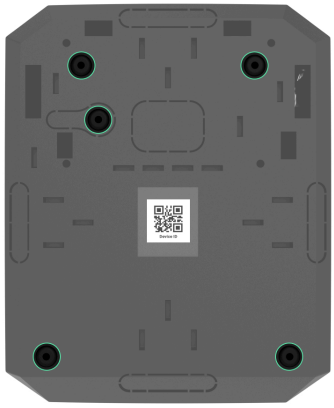
Before installation, make sure that you have selected the optimal location for the device and that it complies with the requirements of this manual.

To install Hub BP Jeweller:

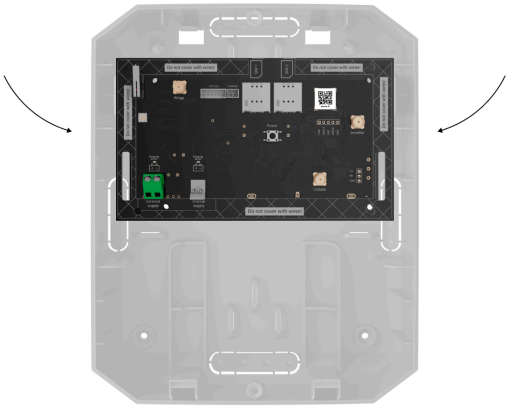
1. Prepare the cable outputs in advance by carefully breaking out the perforated parts of the Hub BP Jeweller casing.



2. Secure the casing on the vertical surface at the selected installation location with the bundled screws using all fixation points. One of them is in the perforated part above the tamper — it is required for tamper triggering in case of any attempt to detach the hub casing.



3. Place the Hub BP Jeweller board into the casing on the holders.



4. Connect a 6–12 V⎓ external power source.
5. Connect a 12 V⎓ internal battery. Do not connect third-party power sources, as this may cause the hub to fail.

> Use a 12 V⎓ battery. The maximum dimensions of the battery to be installed in the casing are 151 × 65 × 94 mm, and the battery weight is 5 kg. For such battery configuration, special holders are provided in the hub casing.

6. If necessary, connect ExternalAntenna to the appropriate communication port.

> Before installation, make sure you read the antenna user manual.

7. Turn on the hub.
8. Install the lid on the hub casing and fix it with the bundled screws.
9. Check the status of the hub casing in the **Ajax app**. If the app shows a tamper alarm, check the tightness of the hub's casing.

Where not to install the hub

1. Outdoors. This could result in a failure of the control panel.

2. Near the metal objects and mirrors. They can cause attenuation or shielding of the radio signal. This could result in the loss of connection between the hub and wireless Ajax devices. If it is necessary to install in such conditions, use ExternalAntenna to overcome signal interference.
3. In places with high levels of radio interference. This could result in the loss of connection between the hub and wireless Ajax devices or false notifications about **security system jamming**. If necessary, use ExternalAntenna to move the reception spot.
4. Less than 1 meter away from the router and power cables. This could result in the loss of connection between the hub and wireless devices.
5. Less than 1 meter away from Jeweller devices. This could result in the loss of connection between the hub and these devices.
6. In places where the hub will have a signal strength of 1 or 0 bars with connected devices. This could result in the loss of connection between the hub and these devices. Use ExternalAntenna if necessary.
7. Inside premises with temperature and humidity beyond the permissible limits. This could result in a failure of the control panel.
8. In places with no cellular signal or 1 bar signal strength. We do not guarantee correct operation of the device with a low cellular signal strength. Use ExternalAntenna if necessary.

Hub settings

Settings can be changed in the **Ajax app**:

1. Select the space if you have several of them or if you are using a PRO app.
2. Go to the **Devices** tab.
3. Select **Hub BP Jeweller** from the list.
4. Go to **Settings** by tapping on the gear icon in the upper right corner.
5. Set the required parameters.

6. Tap on **Back** to save the new settings.

Name

Room

Cellular

Keypad access codes

Security schedule

Detection zone test

Jeweller

Service

User manual

Transfer settings to another hub

Remove hub

Space settings

Settings can be changed in the **Ajax app**:

1. Select the space if you have several of them or if you are using a PRO app.

2. Go to the **Control** tab.
3. Go to **Settings** by tapping the gear icon in the bottom right corner.
4. Set the required parameters.
5. Tap **Back** to save the new settings.

How to configure a space

Hub settings reset

Resetting the hub to the factory settings:

1. Turn on the hub if it is off.
2. Remove all users and installers from the hub.
3. Hold the power button for 30 seconds — the LED indicator on the hub board will start blinking red.
4. Remove the hub from your account.

Additional features

Video surveillance connection

Hub BP Jeweller is compatible with **Ajax cameras and NVRs** and with third-party cameras that support RTSP protocol or SDK integration.

How to connect cameras to the Ajax system

Cameras and NVRs that can be connected to Hub BP Jeweller:

Devices	Quantity
Ajax cameras via Ajax NVRs	up to 224

Third-party cameras via Ajax NVRs using ONVIF	up to 224
Standalone Ajax cameras	up to 492
Standalone third-party cameras using RTSP or SDK	up to 10

Scenarios

Hub BP Jeweller allows creating 32 scenarios and minimizing the human factor impact on safety. The hub can manage the security of the entire facility or group according to a schedule; activate the smoke machine if intruders enter the room; de-energize the room and turn on emergency lighting in case of fire; shut off water in the event of a leak; control lighting devices, electric locks, roller shutters, and garage doors — when changing the security mode by pressing a button or by a detector alarm.

Scenarios can be used to reduce the number of routine actions and increase productivity. Ajax automation devices respond to changes in temperature and air quality. For example, configure the heating to turn on at low temperatures, control the supply system, humidifier, and air conditioner to maintain a comfortable climate.

How to create and customize a scenario

Photo verification

Hub BP Jeweller supports both MotionCam and MotionCam Outdoor wireless motion detectors. When triggered, the detectors take a series of shots you can use to evaluate the unfolding of the events at the facility over time. This relieves users of unnecessary anxiety and prevents security companies from sending unnecessary patrol dispatches.

The detector activates the camera when armed and detects movement. Only users with access to the events feed and authorized employees of

the security company can see visual alarm verifications, provided that the security system is connected to the monitoring station.

If the **Photo on Demand** feature is activated, the detectors can take a photo upon the command of a system user or PRO user with the appropriate rights. The taking of a photo is always registered in the hub's events feed.

The shots are protected by encryption at every stage of transmission. They are stored on the Ajax Cloud server and are not processed or analyzed.

Learn more

Maintenance

Check the functioning of Hub BP Jeweller and connected devices regularly. The optimal frequency of checks is once every three months. Clean the hub casing from dust, cobwebs, and other contaminants as they appear. Use a soft, dry cloth suitable for equipment care.

Do not use substances containing alcohol, acetone, petrol, or other active solvents to clean the device.

Technical specifications

All technical specifications

Compliance with standards

Setup in compliance with EN requirements

Recommended batteries

We recommend using zinc-air alkaline batteries for extended battery life. Before connecting this battery type, make sure to remove the stickers

from it or open the air shutoff valves. If possible, leave the battery with access to the air for 2 hours. Air is needed to start a chemical reaction inside the battery and ensure its proper operation.

Before connecting the external battery, carefully read the manufacturer's instructions. They contain guidance on safe use and recommended parameters.



Zinc-air batteries are ***not*** rechargeable. Parameter **Charge rate** is specified for use cases when an internal rechargeable battery is being charged by an external battery.

List of recommended external zinc-air batteries to power the Hub BP Jeweller

Manufacturer	Model	Voltage, V	Capacity, Ah	Charge rate	Months[1] of operation in full function mode[2]	Months[1] of operatio in Battery power saver mode[2]
Cegasa	eZ8 12/600	12	600	slow	18	69
Cegasa	eZ8 9/600	9	600	slow	14	56
UPOWER	8PFP330	12	330	slow	12	49
Masterbattery	MC-ZA1200-7.5	7.5	1200	standard	19	42
Masterbattery	MC-KOMPACT700	12	600	standard	18	42
Masterbattery	MC-KOMPACT800-6V (0,6A)	6	800	slow	19	41
Masterbattery	MC-KOMPACT800-6V (1A)	6	800	standard	18	41

Masterbattery	MC-ZA800-12	12	800	slow	18	41
Cegasa	eZ8 9/400	9	360	slow	9	38
Masterbattery	MC-KOMPACT600	12	600	slow	14	37
Maxi	ZZ12-600	12	600	slow	15	37
Masterbattery	MC-ZA500-12	12	500	disable	13	35
Masterbattery	MC-ZA400-12	12	400	disable	11	32
Cegasa	E/Z8 7,5/400	7.5	330	disable	7	29
Safire	SF-BATT-75V-3200WH	7.5	430	disable	9	27
Masterbattery	MC-ZA300	6	300	disable	5	18

[1] At temperatures of 25 °C.

[2] Internal battery isn't charged.

Warranty

Warranty for the Limited Liability Company "Ajax Systems Manufacturing" products is valid for 2 years after the purchase.

If the device does not function correctly, please contact Ajax Technical Support first. In most cases, technical issues can be resolved remotely.

Warranty obligations

User Agreement

Contact Technical Support:

- **e-mail**
- **Telegram**

Manufactured by "AS Manufacturing" LLC