

## 1. FEATURES

Wireless indoor siren Ajax HomeSiren is intended for sound alerting. Works as a part of Ajax security system

### ▲ IMPORTANT!

Siren works only with Ajax Hub. Siren connection to Ajax ocBridge wireless sensors receiver or Ajax uartBridge module is not provided!

## 2. SPECIFICATIONS

SPECIFICATION	MEANING
Device type	Wireless
Use	Indoor
Alarm type	Sound
Sound alarm volume	Adjustable: 81 – 97 dB at the distance of 1m
Working frequency of piezo buzzer	3,4±0,5 kHz
Arming/disarming indicator	Yes
Power supply	On-board batteries
Battery type	4 CR123A batteries, 3V
Battery indicator	Yes
Battery life	Up to 5 years
Tamper protection	Available
Radio signal power	25 mW
Communication protocol	Jeweller (868 or 915 MHz depending on the country of distribution)
Max distance between siren and Hub	2000 m
Radio monitoring	Synchronization with the Hub every 12 sec to 300 sec (customizable)
Alarm triggering time	Less than a second
Alarm duration	Customizable: between 3 sec and 3 min
Ingress protection	IP50
Operating temperature range	Operating temperature range
Operating humidity	Up to 75%
Dimensions	75x75x27 mm
Weight	96 g

## 3. PACKAGE CONTENTS

Siren, 2 batteries CR123A (pre-installed), external LED connector, manual, installation kit.

## 4. GETTING STARTED

4.1 Before siren installation, you must register it in Ajax security system. To register a siren you need to open the tab «Devices» and click «Add Device» in the Ajax mobile or web application, and then perform the tips of add device dialog. During process of adding the device you will need to switch on siren. The siren is turned on/off by holding down power button «1» (PICTURE 1 – back side) for three seconds. At the time of turning on siren should blink with green light «4» (PICTURE 1 – front side). Siren's registration request is transmitted only at the moment when siren is switching on! If registration of a siren in the security system, for whatever reason, did not complete, after switching on siren will blink 6 times with green light at intervals once every second, after that it switches off automatically having quickly blink 3 times with its green light. After that the siren can be switched on again for registration in the security system. If siren was removed from list of registered devices in the security system, it also blinks 6 times and then switches off automatically.

If it is necessary to turn off the siren manually, hold power button for more than 1 second. Siren will switch on green light for 1 second, then it blinks 3 times quickly and then siren will be switched off.

4.2 After siren's successful registration, select optimal location for its installation.

### ▲ IMPORTANT!

Make sure the selected location for siren installation will ensure stable radio communication with the Hub! Maximum distance between the siren and Hub - 2000 m (6500 ft), is shown for comparison with other devices and obtained by tests in an open area. The quality and range of communication between siren and Hub can vary depending on installation place, presence of walls, partitions, ceilings, as well as their thickness and material. Passing through the obstacles, signal loses some power. For example, the communication distance between siren and Hub, which are separated by two concrete walls, will be approximately 30 m. Also we draw your attention that by moving siren even to 10 cm, you can improve quality of signal reception a lot.

Be sure to check the signal strength! You can run signal test from Ajax mobile or web applications, clicking on the «Signal level test» in the siren settings.

### ▲ IMPORTANT!

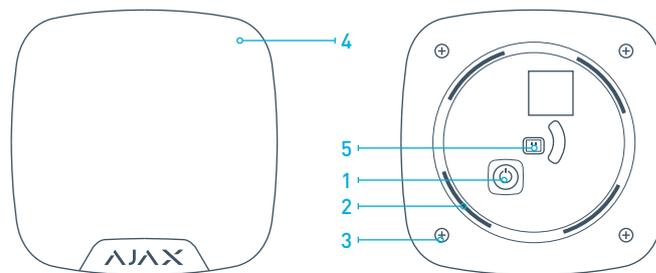
Radio communication tests for the siren don't start instantly. Some time is needed for the Hub to send a request for test to a siren, and for siren to send confirmation of its readiness to be tested. Usually, test start can take up to 5 seconds.

The test results are shown in application in the form of 3-bar-indicators, as well as on siren itself. Signal strength test results may be as follows:

APPLICATION	SIREN'S LIGHT	DESCRIPTION
3 indication bars	lights almost constantly with short breaks every 1.5 seconds	excellent signal level
2 indication bars	blinks 5 times per second	medium signal level
1 indication bar	blinks twice per second	bad signal level
0 bars	short flashes every 1.5 seconds	no signal

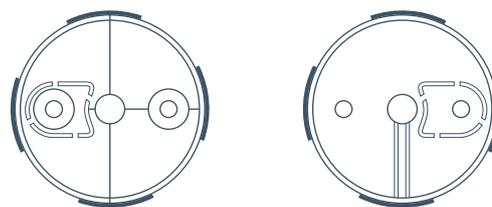
## 5. INSTALLATION

5.1 Install siren in the chosen location. The siren is installed indoors on a horizontal or vertical plane. It is recommended to install a siren at the height of 2.5m for to complicate offenders' access to it. Before final installation, it is required to check siren functioning in the supposed installation place. Do not place the siren in location where its sound signal can be deafened - inside furniture, behind thick curtains, behind furniture, etc.



PICTURE 1. Siren

- 1 – Power button
- 2 – SmartBracket holders
- 3 – back panel fixing screws
- 4 – stationary light
- 5 – connector for external LED



PICTURE 2. SmartBracket fastening panel

5.2. For siren installation turn plastic SmartBracket fastening panel (PICTURE 2) counterclockwise and remove. Secure SmartBracket fastening panel on the wall using supplied dowels and screws.

### ▲ IMPORTANT!

Be careful when installing the fastening panel. Excessive force during its fixation may lead to deformation and, as a consequence, the impossibility to install a siren or it's insecure fixing. Secure fastening panel only with supplied mounting tools! Use of other fasteners, such as screws of larger diameter may result in fastening panel damage. Do not use double-sided tape to secure siren! The tape eventually dries out and loses its properties. It may cause siren's fall, what will not allow it to perform its function and can result in damage to the device.

5.3. Put the siren on SmartBracket, firmly attaching it to the fastener and turning it clockwise. The siren is installed!

### ▲ IMPORTANT!

When siren case is opened or siren removed from SmartBracket a warning message comes to Ajax mobile or web application (messages must be turned on in user settings). In this case the siren doesn't start sound alarm.

When you turn off the siren it should turn on green light for 1 sec and then blink 3 times. In armed mode it is impossible to turn off the siren using button.

## 6. INDICATION

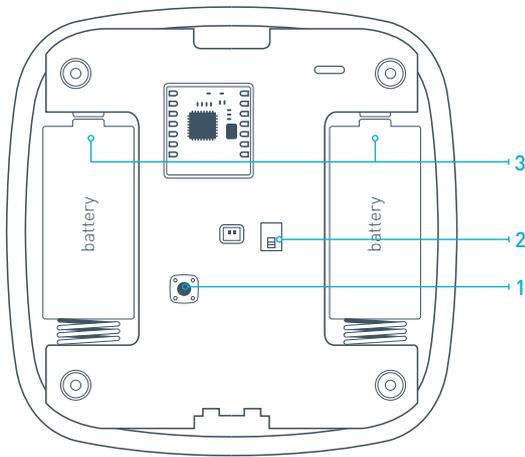
6.1 Ways of siren's indication are customized in the Ajax application, they are turned off by default.

6.2 When the siren is in armed mode, it signals about it by green light «4» (PICTURE 1), briefly blinking every 30 seconds. By default, blinking is off; you can enable it in the siren settings using mobile or web application.

6.3 When switching to armed mode the siren briefly beeps once. When switching to disarmed mode the siren briefly beeps twice (this feature can be switched on in siren settings).

## 7. EXTERNAL LED

7.1 External LED duplicates internal light indication. To install the external LED, connect the external contact to connector «5» (PICTURE 1) on siren's back panel. After that connect output wires with external LED wires following polarity.



PICTURE 3. Battery compartment

- 1 – power button
- 2 – tamper button
- 3 – CR123A batteries

## 8. MAINTENANCE

8.1 Once in 6 months clean the siren body from dust, cobwebs and other possible contaminants.

8.2 Replace batteries with new in time! When battery discharges, the siren transmits the «battery low» signal to the Hub. Also, when the batteries are low, arming or disarming is accompanied by siren's green light one-time activation and smooth dimming. To replace the batteries remove siren and switch it off by holding the power button for 3 seconds. Then unscrew 4 screws «3» (PICTURE 1) on the back side of the body and remove back cover of the siren. Change 2 batteries «3» (PICTURE 3) to new (CR123A type), following polarity. After replacing batteries, test the siren operability!

## 9. WARRANTY

9.1 The warranty period for the siren is 24 months. Warranty does not apply to the batteries!