

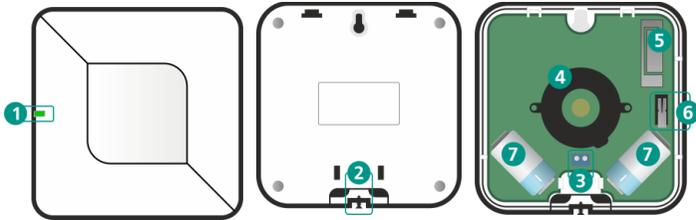


# Livi Siren manual

## DESCRIPTION

The Livi Siren (hereafter referred to as the siren) is designed for sound notification in case of emergency (robbery, fire, accident). Duration and loudness of sound notifications is customizable. The site owner may turn on a setting of the guard enabling / disabling sound confirmation. External LED indicator of the guard state can be connected to the siren.

## SIREN APPEARANCE



1. LED indicator
2. Retaining screw
3. Terminals for connecting external LED indicator
4. Beeper
5. Antenna
6. Tamper button
7. Batteries

## BINDING THE SIREN TO THE HUB

The siren must be unpacked and allowed to reach room temperature for at least two hours before handling if it was transported or stored at low temperatures.

1. Open the siren enclosure: loosen the retaining screw at the bottom of the enclosure using a crosshead screwdriver, and then pull the lid up to open the enclosure.
2. Pull protective films out of battery compartments. The siren indicator will start blinking blue once the siren is switched to the binding mode.
3. In the [Livicom app](#), open the "Devices" screen. In the upper right corner of the screen tap **+** and select "Add Device". The siren indicator will blink green 5 times after successful binding.
4. Close the siren enclosure and fasten the retaining screw.

The siren switches to the binding mode only for 60 seconds. If you have not bound it to the hub within this period, remove both batteries from the siren for 30 seconds, and reinstall them (observing polarity). The siren will switch to binding mode again.

## CHOOSING A LOCATION FOR THE SIREN

We recommend mounting the siren on the ceiling or on the wall as high as possible. Do not mount the siren in places where the sound can be muffled (for example, behind blackout curtains).

**DO NOT** install the siren outdoors, in places with high humidity, or at temperatures exceeding the operating temperature range (see "Specifications" table).

## EVALUATING SIGNAL STRENGTH

Check the quality of the connection between the siren and the hub at the intended location of the siren.

There are two ways to evaluate the signal strength:

1. In the Livicom app, on the siren settings screen.
2. With the help of the LED indication on the siren. Double-click on the tamper button and look at the siren indicator. Interpret the indication using the table below.

Good signal	The indicator blinks green 3 times
Average signal	The indicator blinks green twice
Poor signal	The indicator blinks green once
No connection	The indicator blinks red 4 times

## SIREN INSTALLATION

1. Open the siren enclosure: loosen the retaining screw at the bottom of the enclosure using a crosshead screwdriver, and then pull the lid up to open the enclosure.
2. Fasten the base of the siren enclosure at the selected location using a supplied mounting kit.
3. Close the siren enclosure and fasten the retaining screw.

## CONNECTING AN EXTERNAL LED INDICATOR

An external LED indicator can be connected to the siren to display the guard status. Purchase a LED indicator of any color with an operating voltage up to 2 V. Open the siren enclosure: loosen the retaining screw at the bottom of the siren enclosure and pull the lid up. Connect the indicator wires to the siren terminals (3). Close the lid and tighten the retaining screw at the bottom of the enclosure. The indicator will blink every 10 seconds while the full guard of the site is enabled.

## CHECKING THE SIREN OPERATION

Artificially trigger an alarm at the site to check the siren's operation (for example, enable the full guard of the site and open the door guarded by the Livi CS opening sensor). The siren works properly if the sound notification is turned on and a notification is sent to the Livicom app. Do not use the siren and contact technical support (mail to: support@livicom.ru) if you see an incorrect operation of the siren.

## DELETING THE SIREN (UNBINDING FROM THE HUB)

There are two ways to unbind the siren from the hub:

1. In the Livicom app, on the siren settings screen.
2. Using the tamper button (6). Remove the batteries from the siren for 30 seconds, then press the tamper button and while holding it, reinstall the batteries, observing polarity. Release the tamper button and quickly click on it until the siren indicator starts blinking blue.

## SIREN MAINTENANCE

Keep the siren free of dust and dirt. Replace both batteries as soon as possible after you receive a low battery notification in the Livicom app.

**Do not wipe the siren with substances containing alcohol, acetone, gasoline and other active solvents**

## SPECIFICATIONS

Operating frequency	868 MHz
Radio communication range*	1000 m
Radio channel power	25 mW
Period of sending test events to the hub	10 minutes
Acoustic power	up to 105 dB at a distance of 1 m

Sound frequency	up to 4.2 kHz
External indicator type	LED up to 2 V
External indicator wire length	up to 15 m
Power source (3 V)	2 lithium batteries CR123A
Current consumption in sleep mode	25 µA
Current consumption in operation mode	up to 160 mA
Operating temperature range	from -20 to +55 °C
Relative humidity	no more than 80% at 25 °C
Dimensions	98 x 98 x 34 mm

\* Radio communication range is the maximum distance between the hub and the siren in line of sight and without interference.

## SUPPLY SET

Livi Siren	1
Mounting kit	1
Lithium battery CR123A	2
Protective film for the battery	2
Packaging	1

## LED INDICATION OF THE INTERNAL INDICATOR

Binding mode	The indicator blinks blue for 1 minute
Confirmation of successful binding	The indicator blinks green 5 times

## LED INDICATION OF THE EXTERNAL INDICATOR

Full guard of the site is enabled	The indicator blinks 1 time every 10 seconds
-----------------------------------	--

## SOUND INDICATION

Siren enclosure is open	2 short beeps repeat 5 times
Security alarm alert	Acoustic alarm sounds continuously
Fire alarm alert	1 long beep repeats once every 1 second
Water leak alarm alert	2 short beeps repeat every 3 seconds
Emergency alarm alert	2 short beeps followed by 1 long beep (repeat every 2 seconds)
Delay for entry / exit**	1 short beep repeats every 2 seconds*
Guard is enabled (full, night or group guard)**	1 short beep
Guard is disabled (full, night or group guard)**	2 short beeps

\*\*Sound notification will be performed only if the "Full guard enabling / disabling confirmation" setting is enabled in the Livicom app on the siren settings screen.

## WARRANTY

The manufacturer LLC "NPP Stels" guarantees that the siren meets AGNS.421453.001 TU technical requirements, provided that the consumer complies with the conditions of transportation, storage, installation and operation. The warranty period is 5 years from the manufacturing date. The warranty does not apply to batteries. The warranty does not cover the following cases:

1. Non-compliance with the intended operating conditions;
2. Mechanical damage to the siren;
3. Repairs to the siren by a third party (a person or a company other than the Manufacturer).