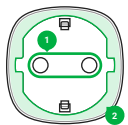Smart plug
Model Name: **Ajax Socket**

Wireless smart plug with energy monitor
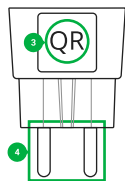
Socket — a European type socket-to-plug adapter (Schuko type F) designed for controlling the power supply of electrical devices and rated at a load of up to 2.5 kW. It is equipped with overload protection, energy consumption meter and load level indicator. The device is connected to the Ajax security system via Jeweller secure technology, the communication range is up to 1,000 m without obstacles.

> **IMPORTANT: This Quick Start Guide contains general information about the Socket. Before using the device, we recommend to reviewing the User Manual on the website:**
> **ajax.systems/support/devices/socket**

FUNCTIONAL ELEMENTS

1 - two-pin socket
2 - LED border
3 - QR code
4 - two-pin plug

CONNECTING AND SETTING UP

The Socket is assigned and set up via the Ajax Security System mobile application.

For the Socket to be available for detection, put it into the socket outlet and wait for 15 s — the LED border will flash green. Then run the device adding procedure in the mobile application and assign the Socket to the hub. If the Socket was previously assigned to the Hub, connect a device with a load of at least 22 W for 5 s in the application during countdown (e.g. an electric kettle or iron) and then disconnect the load.

Attention! The Socket will not be assigned to the hub if the smart socket communicates with another Hub.

During assignment, the Socket and the Hub must be located at one facility.

You can activate the following parameters in the settings:

Current protection. The electric power supply switches off if the current strength 11 A is exceeded, when the protection is not active — 16 A (if more than 5 s — 13 A).

CONNECTING AND SETTING UP

Voltage protection. The electric power supply switches off if the voltage is not in the range of 184 − 253 V.

Indication is turned on. The LED border shows the load level by means of color.

CHOOSING AN INSTALLATION PLACE

When choosing an installation place for the Socket, please consider the device remoteness from the Hub and presence of objects that may obstruct the RF signal.

Do not install the device in rooms with temperature and humidity levels outside the permissible range.

To check the quality of the communication with the Hub, test the signal strength in the Ajax Security System application for at least one minute.

LED border color	Status indicator	Signal level
Green		Excellent signal level
Yellow		Good signal level
Orange		Poor signal level
Red		No signal

The Socket is designed to connect to a European two-pin socket (Schuko type F).

LOAD LEVEL INDICATION

The Socket informs the user of the power level consumed by connected appliances using the LED border.

LED border color	Load level	Typical appliance
Green	0−550 W	Lamp
Yellow	550−1250 W	Television set
Orange	1,25−2 kW	Microwave oven
Red	2−2,5 kW	Electric kettle
Purple	3 kW	Dryer

If the load is more than 3 kW (purple), the current protection activates. The exact power can be seen in the Ajax Security System application.

CE   This product can be used across all EU member states.

This device in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. All essential radio test suites have been carried out.

TECH SPECS

Actuating element	Electromagnetic relay
Service life	At least 200,000 switches
Supply voltage	230 V ±10%, 50 Hz
Voltage protection for 230 V mains	Yes, 184−253 V
Maximum load current *	11 A (continuous), 13A (up to 5 s)
Maximum current protection	Yes, 11 A if the protection is active, up to 13 A if inactive
Maximum temperature protection	Yes, +85°C
Electric shock protection class	Class I (with grounding terminal)
Energy consumption parameter check	Yes (current, voltage, power consumption)
Load indicator	Yes
Output power * (resistive load at 230 V)	Up to 2.5 kW
Average energy consumption of the device on standby	Less than 1 W×h
Frequency band	868.0 − 868.6 MHz
Effective radiated power	8 dBm / 6.3 mW (limit 20 mW)
Radio signal modulation	GFSK
Radio signal range	Up to 1000 m (any obstacles absent)
Protection class	IP20
Operating temperature range	From 0°C to +64°C
Operating humidity	Up to 75%
Overall dimensions	65.5 x 45 x 45 mm (with plug)
Weight	58 g

* In case of using inductive or capacitance load, the maximum switched current is reduced to 8 A at 230 V AC!

COMPLETE SET

1. Socket
2. Quick Start Guide

WARRANTY

Warranty for Ajax devices is valid for two years after the purchase date. If the device does not work correctly, you should first contact the support service—in half of the cases, technical issues can be solved remotely!

The full text of the warranty is available on the website: ajax.systems/warranty

User Agreement: ajax.systems/end-user-agreement

Technical support: support@ajax.systems