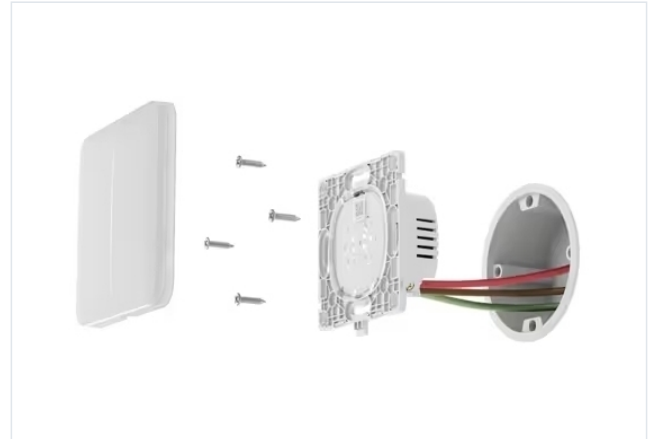


AJAX-LC-2-GANG

AJAX LightCore (2-gang) Smart Switch Jeweller

Product Overview

Ajax LightCore (2-Gang) Smart Switch Jeweller, Does not include cover, Touch-Sensitive panel, Lighting control via App, Supports auto timers



Specifications

Overview:

LightSwitch (2-gang) Jeweller

Wireless smart touch 2-gang light switch

Features:

Comfort and security in a touch

This switch is double, and it combines the reliability of professional security systems and a thoughtful user experience. The entire panel is sensitive to touch and even the hand approaching (at a distance of 15 mm). LightSwitch is good to use in the dark thanks to its soft backlight. The 2-gang light switch can do more than just turn on lighting fixtures. It can also simulate the owner's presence and control curtains or blinds remotely with automation scenarios.

LightSwitch features in a minute

Available in 8 colors, this device is remotely controlled and runs automation scenarios for even greater comfort.

Discover LightSwitch (2-gang) Jeweller

Smart light switch from Ajax with a large touch-sensitive panel that can be activated by tapping or contactless.

Key features

- Big touch-sensitive panel
- Automation scenarios
- to trigger appliance
- Contactless light control
- 8 colours
- No need for neutral wire
- Auto switch off timer
- LED backlight
- Lighting control via smartphone
- Current and temperature protection
- Compatibility with lamps from 5 to 600 W
- Protection for your curious little ones
- Jeweller radio communication
- Intensity adjustment
- Remote control and configuration
- Up to 1,100 m of communication distance with an Ajax hub
- Horizontal and vertical frames
- 4 frame sizes for combining multiple switches
- In-app notifications and event log

Designed for any interior

2-gang touch switch is enchanting with its laconic design and high-end quality hardware. The device will become an appropriate part of a cozy home environment or a high-tech space equally. Highlight the switch on the wall or make it invisible. The appearance is universal and suitable for installation everywhere - at home, in the office, production facility, or in any other area.

Enjoy the lighting control

Turn off the light with minimal effort. The entire panel is touch-sensitive and reacts even to reaching the hand, elbow, knee, or another body part less than 15 mm close. This function is indispensable if you want to avoid touching the device or if it's in a public place. At the same time, the touch panel reacts only when it is needed.

The smart 2-gang switch responds even to a touch of a gloved hand. Feel in control of your device with a quiet, lag-free click. The optional backlight allows controlling the lighting even at night without disturbing a comfortable sleep.

Smart features with real value

LightSwitch improves the concept of lighting. It isn't just a standard switch, although it has the straightforward setup and ease of use you'd expect from an Ajax product.

Lighting control via smartphone

Switch the light in the Ajax app - the control screen is always at hand. Make sure all the lights are off, even a thousand kilometers from home. And if you forgot, correct the situation with one tap.

Childproofing

Deactivate the touch panel so that the child does not play with switching the light. LightSwitch will run on the Ajax app command.

Auto switch off timer

Don't worry about wasted electricity. Set the light to turn off automatically after the period of time selected.

Start an automation scenario by hand approaching

One LightSwitch touch can combine several actions, minimizing routine actions. Ajax automation devices run scenarios, whether it is switching overhead lighting together with a floor lamp or controlling the lighting of a huge open space.

Automation for comfort and security

Set the light to turn off automatically when arming the system or in case of an emergency. Or turn on the light according to a schedule.

Presence simulation

Set a schedule for turning on and off the lights in the house while going on vacation or a business trip.

Configuration variability

LightSwitch smart switches can be used separately or combined with Outlet. Devices have the same frame design and color shades and can be installed into Frame.

A different world of hardware

LightSwitch is a smart lighting control system that provides advanced electrical protection and reliability at the level of professional security systems. It is not necessary to set a neutral wire to connect a 2-gang switch. It is controlled via Ajax developed software and has no problems with crashes or freezes. Also, the device has a tamper to detect the detachment of the touch 2-gang light switch panel.

- No neutral connection needs
- Two radio antennas built into the front panel
- The relay is designed for at least 200,000 switches (50 years of operation)
- Consumes up to 0.2 W (15 times less than a typical smart switch)
- Protection against false reactions due to power surges in the network
- Current and temperature protection

Reliable connection with the hub

LightSwitch capabilities are provided by the hub - the brain of the Ajax system. With one click, the smart switch is paired with the hub in the app. Hub runs on OS Malevich, a real-time operating system developed by Ajax. OS Malevich is extremely stable, immune to viruses, and protected from cyberattacks.

Unique wireless technologies

For LightSwitch to utilize its smart capabilities, it must communicate with the Ajax hub. Reliance is not placed on popular technologies such as Wi-Fi, Z-Wave, ZigBee, or Bluetooth. Instead, a proprietary Jeweller radio communication technology is used, which fulfils the high industry standards and provides security, range, and energy efficiency. The Jeweller functionality remains unaffected by household disruptions and does not abruptly malfunction or cease an operation.

LightSwitch has up to 1,100 meters of radio communication range in an open space, making it, on average, longer than competing solutions from different manufacturers. Automatic power adjustment makes it energy efficient by not using the maximum power of radio transmitters in system devices on a regular basis. It is also more stable, using less noisy radio frequencies.

- Up to 1,100 meters of radio communication range with a hub
- Encrypted radio communication
- Responding to the app's commands and running automation scenarios with no delay

Scaled and comprehensive

ReX 2 assures stable communication even through steel and concrete via Ethernet using the wire as the additional communication channel. Up to 5 range extenders can operate within one Ajax system to expand the network twice as big, covering underground parking, basement, or metal hangar.

LightSwitch components

Combination of device components depends on the objectives. It ensures the device variability.

- Effortless lighting
- Double the light power

Button panel has a sensor and radio antennas. Available in 8 colors.

LightCore contains electronics and relay that control power to the lighting device. LightCore connects to the wiring and does not need a neutral.

Intuitive installation and connection

LightSwitch can be added to the system via QR. It is configured in the app with a few clicks. No neutral is required to power LightSwitch. The depth of LightCore is 25 mm. The smart switch can be installed instead of the old switch without replacing the mounting box and changing the wiring. Color touch panels are quickly replaced without powering down the 2-gang switch.

Specifications:

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Specifications	
Product Code	AJAX-LC-2-GANG
Components	
Relay	LightCore (2-gang) Jeweller
	Relay for a 2-gang switch.
	LightCore (2-gang) vertical Jeweller
	Relay for a vertical 2-gang switch.
Touch-sensitive panels	SoloButton (2-gang)
	It is used when the 2-gang switch is installed as a separate device. SoloButton consists of the front panel and the frame, coming as one component.
	CenterButton (2-gang)
	It is used when the 2-gang switch is installed between the device set.
	CenterButton (2-gang) vertical
	It is used when the vertical 2-gang switch is installed between the device set.
	SideButton (2-gang)
	It is used when the 2-gang switch is installed on the right or left of the device set.
	SideButton (2-gang) vertical
	It is used when the vertical 2-gang switch is installed on the top or bottom of the device set.
Frames	Frames for two, three, four, and five Ajax switches and outlets in any combination .
	Frame (2 seats)
	Frame (3 seats)
	Frame (4 seats)
	Frame (5 seats)
	Frame (2 seats) vertical
	Frame (3 seats) vertical
	Frame (4 seats) vertical
	Frame (5 seats) vertical
	1 - Combinations with outlets are available only in horizontal orientation.
Configuration	
Single switch	LightSwitch (2-gang) Jeweller is installed as a separate device.

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Product Specification Sheet

Combined switch	LightSwitch (2-gang) Jeweller is combined as a set with Ajax smart switches and/or Outlet Jeweller devices and installed into Frame side by side.
Touch-sensitive panel colors	
Touch-sensitive panel colors	Black
	RAL 9005
	Graphite
	RAL 7024
	White
	RAL 9003
	Ivory
	RAL 1013
	Fog
	RAL 7047
	Oyster
	RAL 9002
	Grey
	RAL 7004
	Olive
	RAL 7044
Communication	
Jeweller communication technology	Proprietary wireless communication technology to transmit commands, alarms, and events.
	Key features:
	Two-way communication.
	Advanced anti-sabotage.
	Block encryption featuring a dynamic key.
	Instant notifications.
	Remote configuration via Ajax apps.
Radio frequency bands	866.0-866.5 MHz
	868.0-868.6 MHz
	868.7-869.2 MHz
	905.0-926.5 MHz
	915.85-926.5 MHz
	921.0-922.0 MHz
	Depends on the sales region.
Maximum effective radiated power (ERP)	up to 20 mW
Radio signal modulation	GFSK

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Product Specification Sheet

Radio communication range	up to 1,100 m
	Between the device and a hub (or range extender) in an open space.
	Calculate radio communication range at the facility
Encrypted radio communication	All the data stored and transmitted are protected by block encryption featuring a dynamic key.
Radio frequency hopping	Radio communication uses frequency hopping to prevent interception and jamming.
Key features	
Automation scenarios	security mode change reactions
	scheduled actions
	alarm reactions
	temperature scenarios
	humidity scenarios ²
	CO2 concentration scenarios ²
	by pressing another LightSwitch/Button
	2 - Scenarios by humidity and CO2 concentrations are available when LifeQuality Jeweller is added to the system.
Operation without a neutral wire	LightSwitch only needs a live wire to operate.
Power of switched device	from 5 to 300 W per segment
Contactless touch-sensitive panel	LightSwitch is activated when a hand gets as close as 15 mm from the panel.
Night backlight	Optional, can be turned off in the Ajax app device settings.
Protection against incompatible devices	Triggers if lighting devices have insufficient power (up to 5 W). If protection is triggered, LightSwitch turns off the power and sends a notification to Ajax apps. For low-power lighting devices, the kit includes a capacitor.
Recommendations	
Recommendations	The device is designed for indoor use only. A professional electrician should install the device.
Sabotage protection	
Protection against spoofing	device authentication
Communication loss detection	after 36 s
	Detection time depends on the Jeweller or Jeweller/Fibra settings.
Power supply	
Power supply voltage	230 V~, 50/60 Hz
	The device does not need a neutral wire to operate.
Average consumption	up to 200 mW
Maximum power	300 W per segment (600 W in total)
	For LightCore (2-gang) Jeweller and LightCore (2-gang) vertical Jeweller.
Current protection	more than 2.6 A
	If protection is triggered, LightSwitch turns off the power and sends a notification to Ajax apps.
Temperature protection	more than +60 degreesC
	If protection is triggered, LightSwitch turns off the power and sends a notification to Ajax apps.

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Product Specification Sheet

Operating parameters	
Operating temperature range	from -10 degreesC to +40 degreesC
Operating humidity	up to 75% with no condensation
Protection class	IP20
Form factor of the switch	European type (55)
Dimensions	
Relay	LightCore (2-gang) Jeweller - 76.3 x 72.3 x 29.2 mm
Touch-sensitive panels	SoloButton (2-gang) - 82.8 x 82.8 x 10.3 mm
Frames	Frame (2 seats) - 82.8 x 153.5 x 6.3 mm
Weight	
Relay	LightCore (2-gang) Jeweller - 54 g
	LightCore (2-gang) vertical Jeweller - 54 g
Touch-sensitive panels	SoloButton (2-gang) - 46 g
	CenterButton (2-gang) - 32 g
	CenterButton (2-gang) vertical - 32 g
	SideButton (2-gang) - 33 g
	SideButton (2-gang) vertical - 33 g
Frames	Frame (2 seats) - 16 g
	Frame (2 seats) vertical - 16 g
	Frame (3 seats) - 22 g
	Frame (3 seats) vertical - 22 g
	Frame (4 seats) - 28 g
	Frame (4 seats) vertical - 28 g
	Frame (5 seats) - 34 g
	Frame (5 seats) vertical - 34 g
Complete set	
Complete set	LightSwitch (2-gang) Jeweller is a prefabricated smart switch. All parts are purchased separately
	Assemble LightSwitch kit

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: <https://www.comx.co.za/AJAX-LC-2-GANG-AJAX-LightCore-2-gang-Smart-Switch-Jeweller-Buy-p-305392.php>

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