

LightSwitch Jeweller

Smart switch

Single switch

A single LightSwitch consists of two components: a relay and a button.

Components

Relay

- **LightCore (1-gang)**. Relay for a 1-gang switch.
- **LightCore (2-gang)**. Relay for a 2-gang switch.
- **LightCore (2-way)**. Relay for a 2-way switch.

Buttons

- **SoloButton (1-gang / 2-way)**. Button for a 1-gang or 2-way switch.
- **SoloButton (2-gang)**. Button for a 2-gang switch.

Combined switch

A combined switch consists of 2, 3, or 4 switches installed in one frame.

Components

Relay

- **LightCore (1-gang)**. Relay for a 1-gang switch.
- **LightCore (2-gang)**. Relay for a 2-gang switch.
- **LightCore (2-way)**. Relay for a 2-way switch.

Frames

- **Frame (2 seats)**. Frame for two switches.
- **Frame (3 seats)**. Frame for three switches.
- **Frame (4 seats)**. Frame for four switches.

Buttons

- **CenterButton (1-gang / 2-way)**. Central button for a 1-gang or 2-way switch.
- **CenterButton (2-gang)**. Central button for a 2-gang switch.
- **SideButton (1-gang / 2-way)**. Side button for a 1-gang or 2-way switch. Can be installed on the right or left.
- **SideButton (2-gang)**. Side button for a 2-gang switch. Can be installed on the right or left.

Button colours

- Black
- White
- Fog
- Gray
- Graphite
- Ivory
- Oyster
- Olive

Compatibility**Hubs**

- [Hub 2 \(2G\)](#)
- [Hub 2 \(4G\)](#)
- [Hub 2 Plus](#)
- [Hub Hybrid \(2G\)](#)
- [Hub Hybrid \(4G\)](#)

Radio signal range extenders

- [ReX 2](#)

Communication**Jeweller communication technology**

Proprietary wireless communication technology to transmit events.

Features:

- Two-way communication.
- Protection against spoofing.
- Block encryption with a dynamic key.
- Instant notifications.
- Remote configuration via the Ajax apps.

[Learn more](#)

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

	<p>921,0 – 922,0 MHz Depends on the sales region.</p> <p>Maximum effective radiated power (ERP) up to 20 mW Automatic power regulation to reduce power consumption and radio interference.</p> <p>Radio signal modulation GFSK</p> <p>Radio communication range up to 1,100 m Between the detector and a hub/range extender in an open space.</p> <p>Calculate radio communication range</p> <p>Encrypted radio communication All the data stored and transmitted are protected by block encryption with a dynamic key.</p> <p>Radio frequency hopping To prevent radio interference and jamming.</p> <p>Learn more</p>
Features	<p>Scenarios</p> <ul style="list-style-type: none">● Reaction to alarm● Reaction to security mode change● Activation by schedule● Reaction to pressing another LightSwitch <p>Learn more</p> <p>Operation without neutral wire LightSwitch only needs a live wire to operate.</p> <p>Power of switched device from 5 to 600 W</p> <p>Contactless touch panel LightSwitch is activated when a hand gets as close as 15 mm from the panel.</p> <p>Night backlight Optional, can be turned off in the Ajax app device settings.</p> <p>Protection against incompatible devices Triggers if lighting devices have insufficient power (up to 5 W). If protection</p>

	<p>is triggered, LightSwitch turns off power and sends a notification to Ajax apps. For low-power lighting devices, the kit includes a capacitor.</p>
Anti-sabotage protection	<p>Protection against spoofing device authentication</p> <p>Communication loss detection within 36 seconds The detection time depends on the Jeweller or Jeweller/Fibra settings.</p> <p>Learn more</p>
Power supply	<p>Power supply voltage 230 V, 50 Hz The device does not need a neutral wire to operate.</p> <p>Average consumption up to 200 mW</p> <p>Maximum power 600 W For LightCore (1-gang) and LightCore (2-way).</p> <p>300 W per segment For LightCore (2-gang).</p> <p>Current protection more than 2.6 A If protection is triggered, LightSwitch turns off power and sends a notification to Ajax apps.</p> <p>Temperature protection more than +60°C If protection is triggered, LightSwitch turns off power and sends a notification to Ajax apps.</p>
Operating parameters	<p>Operating temperature range from -10°C to +40°C</p> <p>Operating humidity Up to 75% with no condensation</p> <p>Protection class IP20</p> <p>Form factor of the switch European type (55)</p>
Weight	<p>Relay</p> <ul style="list-style-type: none"> ● LightCore (1-gang) – 45.95 g ● LightCore (2-gang) – 53.9 g ● LightCore (2-way) – 48.34 g <p>Frames</p>

	<ul style="list-style-type: none"> ● Frame (2 seats) – 16.13 g ● Frame (3 seats) – 22.12 g ● Frame (4 seats) – 28.12 g <p>Buttons</p> <ul style="list-style-type: none"> ● SoloButton (1-gang / 2-way) – 44.5 g ● SoloButton (2-gang) – 45.75 g ● CenterButton (1-gang / 2-way) – 30.97 g ● CenterButton (2-gang) – 31.97 g ● SideButton (1-gang / 2-way) – 31.56 g ● SideButton (2-gang) – 32.73 g
Dimensions	<p>Relay</p> <ul style="list-style-type: none"> ● LightCore (1-gang) – 76.3 × 72.3 × 29.2 mm ● LightCore (2-gang) – 76.3 × 72.3 × 29.2 mm ● LightCore (2-way) – 76.3 × 72.3 × 29.2 mm <p>Frames</p> <ul style="list-style-type: none"> ● Frame (2 seats) – 82.75 × 153.48 × 6.3 mm ● Frame (3 seats) – 82.75 × 224.48 × 6.3 mm ● Frame (4 seats) – 82.75 × 295.48 × 6.3 mm <p>Buttons</p> <ul style="list-style-type: none"> ● SoloButton (1-gang / 2-way) – 82.75 × 82.75 × 10.26 mm ● SoloButton (2-gang) – 82.75 × 82.75 × 10.26 mm ● CenterButton (1-gang / 2-way) – 82 × 70.53 × 10.26 mm ● CenterButton (2-gang) – 82 × 70.53 × 10.26 mm ● SideButton (1-gang / 2-way) – 82 × 76.19 × 10.26 mm ● SideButton (2-gang) – 82 × 76.19 × 10.26 mm
Complete set	Depends on kit
Additional information	<p>Compliance with standards Learn more</p> <p>Warranty 24 months Learn more</p>