

LightSwitch (2-gang/2-way) Jeweller

Wireless smart touch 2-gang 2-way light switch

Components LightSwitch is a prefabricated device, with each component available for separate purchase. Components are easily installed by attaching to each other.	Relay Controls the power of a lighting device. • LightCore (2-gang/2-way) Jeweller • LightCore (2-gang/2-way) vertical Jeweller Touch-sensitive panels SoloButton (2-gang) It is used when the 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 switch is installed between the device set. CenterButton (2-gang) vertical It is used when the vertical switch is installed between the device set. SideButton (2-gang) It is used when the switch is installed on the right or left of the device set. SideButton (2-gang) vertical It is used when the vertical 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 combination¹. • Frame (2 seats) • Frame (2 seats) vertical • Frame (3 seats) • Frame (3 seats) vertical • Frame (4 seats) • Frame (4 seats) vertical • Frame (5 seats) • Frame (5 seats) vertical 1 — Combinations with smart outlets are available only in horizontal orientation.
Configuration	Single switch LightSwitch (2-gang/2-way) Jeweller is installed as a separate device. Combined switch LightSwitch (2-gang/2-way) 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	• Black • RAL 9005 • White • RAL 9003 • Fog

	• RAL 7047 • Grey • RAL 7004 • Graphite • RAL 7024 • Ivory • RAL 1013 • Oyster • RAL 9002 • Olive • RAL 7044 The RAL colors are as close as an approximation of the actual color. However, they may slightly differ, so please only use them as a guide to the color choice.
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 control and configuration via Ajax apps. 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 Automatic power control to reduce power consumption and radio interference. Radio signal modulation GFSK Radio communication range up to 1,100 m up to 3,600 ft Between the device and a hub (or a range extender) in an open space. Encrypted radio communication All stored and transmitted data are protected by block encryption featuring a dynamic key. Frequency hopping To prevent radio interference and jamming. Wings communication technology Proprietary wireless communication technology to update the firmware.

	Key features: • Two-way communication. • Advanced anti-sabotage. • Block encryption featuring a dynamic key. • Data packages reload in case of transmission errors. • Data packages delivery check. 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. Radio communication range up to 1,100 m up to 3,600 ft Between the device and a hub (or a range extender) in an open space. Encrypted communication All stored and transmitted data are protected by block encryption featuring a dynamic key. Frequency hopping To prevent radio interference and jamming.
Key features	Automation scenarios ◇ security mode change reactions ◇ scheduled actions ◇ alarm reactions ◇ temperature scenarios ◇ humidity scenarios² ◇ CO₂ concentration scenarios² ◇ by pressing another LightSwitch/Button 2 — Scenarios by humidity and CO₂ concentrations are available when <u>LifeQuality Jeweller</u> 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	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/2-way) Jeweller and LightCore (2-gang/2-way) vertical Jeweller. Temperature protection more than +60 °C more than 140 °F If protection is triggered, LightSwitch turns off the power and sends a notification to Ajax apps.
Operating parameters	Operating temperature range from –10 °C to +40 °C from 14 °F to 104 °F Operating humidity Up to 75% with no condensation Protection class IP20 Form factor of the switch European type (55)
Dimensions	Relay LightCore (2-gang/2-way) Jeweller – 77.5 × 72.6 × 26.7 mm LightCore (2-gang/2-way) vertical Jeweller – 72.6 × 74.2 × 26.7 mm LightCore (2-gang/2-way) Jeweller – 3.05" × 2.86" × 1.05" LightCore (2-gang/2-way) vertical Jeweller – 2.86" × 2.92" × 1.05" Touch-sensitive panels SoloButton (2-gang) – 82.8 × 82.8 × 10.3 mm CenterButton (2-gang) – 82 × 70.5 × 10.3 mm CenterButton (2-gang) vertical – 70.5 × 82 × 10.3 mm SideButton (2-gang) – 82 × 76.2 × 10.3 mm SideButton (2-gang) vertical – 76.2 × 82 × 10.3 mm SoloButton (2-gang) – 3.26" × 3.26" × 0.4" CenterButton (2-gang) – 3.23" × 2.78" × 0.4" CenterButton (2-gang) vertical – 2.78" × 3.23" × 0.4"

	SideButton (2-gang) — 3.23" × 3" × 0.4" SideButton (2-gang) vertical — 3" × 3.23" × 0.4" Frames Frame (2 seats) — 82.8 × 153.5 × 6.3 mm Frame (2 seats) vertical — 153.5 × 82.8 × 6.3 mm Frame (3 seats) — 82.8 × 224.5 × 6.3 mm Frame (3 seats) vertical — 224.5 × 82.8 × 6.3 mm Frame (4 seats) — 82.8 × 295.5 × 6.3 mm Frame (4 seats) vertical — 295.5 × 82.8 × 6.3 mm Frame (5 seats) — 82.8 × 366.5 × 6.3 mm Frame (5 seats) vertical — 366.5 × 82.8 × 6.3 mm Frame (2 seats) — 3.26" × 6.04" × 0.25" Frame (2 seats) vertical — 6.04" × 3.26" × 0.25" Frame (3 seats) — 3.26" × 8.84" × 0.25" Frame (3 seats) vertical — 8.84" × 3.26" × 0.25" Frame (4 seats) — 3.26" × 11.63" × 0.25" Frame (4 seats) vertical — 11.63" × 3.26" × 0.25" Frame (5 seats) — 3.26" × 14.43" × 0.25" Frame (5 seats) vertical — 14.43" × 3.26" × 0.25"
Weight	Relay LightCore (2-gang/2-way) Jeweller — 57 g LightCore (2-gang/2-way) vertical Jeweller — 57 g LightCore (2-gang/2-way) Jeweller — 2.02 oz LightCore (2-gang/2-way) vertical Jeweller — 2.02 oz 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 SoloButton (2-gang) — 1.62 oz CenterButton (2-gang) — 1.13 oz CenterButton (2-gang) vertical — 1.13 oz SideButton (2-gang) — 1.16 oz SideButton (2-gang) vertical — 1.16 oz 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 Frame (2 seats) — 0.57 oz Frame (2 seats) vertical — 0.57 oz Frame (3 seats) — 0.78 oz Frame (3 seats) vertical — 0.78 oz Frame (4 seats) — 1 oz

	Frame (4 seats) vertical – 1 oz Frame (5 seats) – 1.2 oz Frame (5 seats) vertical – 1.2 oz
Complete set	Depends on the kit
Warranty	24 months