

LightSwitch (2-way) Jeweller

Smart touch 2-way light switch

Components LightSwitch (2-way) Jeweller is a prefabricated smart switch. All parts are purchased separately.	Relay LightCore (2-way) Jeweller Relay for a 2-way switch. LightCore (2-way) vertical Jeweller Relay for a vertical 2-way switch. Touch-sensitive panels SoloButton (1-gang) It is used when the 2-way switch is installed as a separate device. SoloButton consists of the front panel and the frame, coming as one component. CenterButton (1-gang) It is used when the 2-way switch is installed between the device set. CenterButton (1-gang) vertical It is used when the vertical 2-way switch is installed between the device set. SideButton (1-gang) It is used when the 2-way switch is installed on the right or left of the device set. SideButton (1-gang) vertical It is used when the vertical 2-way 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 ¹ . <ul style="list-style-type: none">● 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 <p>1 — Combinations with outlets are available only in horizontal orientation.</p>
Configuration	Single switch LightSwitch (2-way) Jeweller is installed as a separate device. Combined switch LightSwitch (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 colours	<div>Black</div> <div>White</div> <div>Fog</div> <div>Gray</div> <div>Graphite</div> <div>Ivory</div> <div>Oyster</div> <div>Olive</div>
Compatibility	<div>Compatible hub models</div> <div>Hub Plus Jeweller</div> <div>Hub 2 (2G) Jeweller</div> <div>Hub 2 (4G) Jeweller</div> <div>Hub 2 Plus Jeweller</div> <div>Hub Hybrid (2G)</div> <div>Hub Hybrid (4G)</div> <div>Radio signal range extenders</div> <div>ReX Jeweller</div> <div>ReX 2 Jeweller</div>

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

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 range extender) in an open space.

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	<p>Automation scenarios</p> <ul style="list-style-type: none">◇ security mode change reactions◇ scheduled actions◇ alarm reactions◇ temperature scenarios◇ humidity scenarios²◇ CO₂ concentration scenarios²◇ by pressing another LightSwitch/Button <p>2 – Scenarios by humidity and CO₂ concentrations are available when LifeQuality Jeweller is added to the system.</p> <p>Operation without a neutral wire</p> <p>LightSwitch only needs a live wire to operate.</p> <p>Power of switched device</p> <p>from 5 to 600 W</p> <p>Contactless touch-sensitive panel</p> <p>LightSwitch is activated when a hand gets as close as 15 mm from the panel.</p> <p>Night backlight</p> <p>Optional, can be turned off in the Ajax app device settings.</p> <p>Protection against incompatible devices</p> <p>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.</p>
Recommendations	<p>The device is designed for indoor use only. A professional electrician should install the device.</p>

Sabotage protection	<p>Protection against spoofing device authentication</p> <p>Communication loss detection after 36 s Detection time depends on the Jeweller or Jeweller/Fibra settings.</p>
Power supply	<p>Power supply voltage 230 V~, 50/60 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 (2-way) Jeweller and LightCore (2-way) vertical Jeweller.</p> <p>Current protection more than 2.6 A If protection is triggered, LightSwitch turns off the power and sends a notification to Ajax apps.</p> <p>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.</p>
Operating parameters	<p>Operating temperature range from –10 °C to +40 °C from 14 °F to 104 °F</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>

Dimensions

Relay

LightCore (2-way) Jeweller – 76.3 × 72.3 × 29.2 mm
LightCore (2-way) vertical Jeweller – 72.3 × 76.3 × 29.2 mm

LightCore (2-way) Jeweller – 3" × 2.85" × 1.15"
LightCore (2-way) vertical Jeweller – 2.85" × 3" × 1.15"

Touch-sensitive panels

SoloButton (1-gang) – 82.8 × 82.8 × 10.3 mm
CenterButton (1-gang) – 82 × 70.5 × 10.3 mm
CenterButton (1-gang) vertical – 70.5 × 82 × 10.3 mm
SideButton (1-gang) – 82 × 76.2 × 10.3 mm
SideButton (1-gang) vertical – 76.2 × 82 × 10.3 mm

SoloButton (1-gang) – 3.26" × 3.26" × 0.4"
CenterButton (1-gang) – 3.23" × 2.78" × 0.4"
CenterButton (1-gang) vertical – 2.78" × 3.23" × 0.4"
SideButton (1-gang) – 3.23" × 3" × 0.4"
SideButton (1-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-way) Jeweller – 48 g LightCore (2-way) vertical Jeweller – 48 g LightCore (2-way) Jeweller – 1.69 oz LightCore (2-way) vertical Jeweller – 1.69 oz Touch-sensitive panels SoloButton (1-gang) – 45 g CenterButton (1-gang) – 31 g CenterButton (1-gang) vertical – 31 g SideButton (1-gang) – 32 g SideButton (1-gang) vertical – 32 g SoloButton (1-gang) – 1.59 oz CenterButton (1-gang) – 1.09 oz CenterButton (1-gang) vertical – 1.09 oz SideButton (1-gang) – 1.13 oz SideButton (1-gang) vertical – 1.13 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