

LightSwitch (Dimmer) Jeweller

Wireless smart touch dimmer light switch

<p>Components</p> <p>LightSwitch is a prefabricated device, with each component available for separate purchase. Components are easily installed by attaching to each other.</p>	<p>Dimmer core</p> <p>Controls the power of a lighting device.</p> <ul style="list-style-type: none"> • LightCore (Dimmer) Jeweller • LightCore (Dimmer) vertical Jeweller <p>Touch-sensitive panels</p> <p>SoloButton (Dimmer)</p> <p>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.</p> <p>CenterButton (Dimmer)</p> <p>It is used when the switch is installed between the device set.</p> <p>CenterButton (Dimmer) vertical</p> <p>It is used when the vertical switch is installed between the device set.</p> <p>SideButton (Dimmer)</p> <p>It is used when the switch is installed on the right or left of the device set.</p> <p>SideButton (Dimmer) vertical</p> <p>It is used when the vertical switch is installed on the top or bottom of the device set.</p> <p>Frames</p> <p>Frames for two, three, four, and five Ajax switches and outlets in any combination¹.</p> <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 smart outlets are available only in horizontal orientation.</p>
<p>Configuration</p>	<p>Single switch</p> <p>LightSwitch (Dimmer) Jeweller is installed as a separate device.</p> <p>Combined switch</p> <p>LightSwitch (Dimmer) Jeweller is combined as a set with Ajax smart switches and/or Outlet Jeweller devices and installed into Frame side by side.</p>

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	<p>Jeweller communication technology Proprietary wireless communication technology to transmit commands, alarms, and events.</p> <p>Key features:</p> <ul style="list-style-type: none">• Two-way communication.• Advanced anti-sabotage.• Block encryption featuring a dynamic key.• Instant notifications.• Remote control and configuration in Ajax apps. <p>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.</p> <p>Maximum effective radiated power (ERP) up to 20 mW</p> <p>Radio signal modulation GFSK</p> <p>Radio communication range up to 900 m up to 3,000 ft Between the device and a hub (or a range extender) in an open space.</p> <p>Encrypted communication All stored and transmitted data are protected by block encryption featuring a dynamic key.</p> <p>Frequency hopping To prevent radio interference and jamming.</p> <p>Wings communication technology Proprietary wireless communication technology to update firmware.</p> <p>Key features:</p> <ul style="list-style-type: none">• Two-way communication.• Advanced anti-sabotage.• Block encryption featuring a dynamic key.• Data packages reload in case of transmission errors.• Checking the delivery of data packages. <p>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.</p> <p>Radio communication range up to 900 m</p>
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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 • by pressing <u>Button</u>/<u>Button S</u> <p>2 — Scenarios by humidity and CO₂ concentrations are available when <u>LifeQuality Jeweller</u> is added to the system.</p> <p>Operation without a neutral wire LightSwitch (Dimmer) Jeweller only needs a power phase wire to operate.</p> <p>Power of switched appliance from 8 to 150 VA</p> <p>Brightness adjustment</p> <ul style="list-style-type: none"> • by long pressing the dimming slider on the touch-sensitive panel • in Ajax apps <p>The system saves the adjusted brightness level and reproduces it the next time you turn the device on.</p> <p>Brightness threshold</p> <ul style="list-style-type: none"> • minimum — from 1% to 90% • maximum — from 11% to 100% <p>Prevents flickering of the lamp and dazzling with a light at the maximum brightness level.</p> <p>Backlight Optional, can be turned off in the Ajax app device settings.</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 Hz The device does not need a neutral wire to operate.</p> <p>Average consumption up to 250 mW</p> <p>Switched power 8–150 VA</p> <p>Current protection more than 0.75 A If protection is triggered, LightSwitch (Dimmer) Jeweller 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 (Dimmer) Jeweller turns off the power and sends a notification to Ajax apps.</p>
Supported lamp types	<p>Incandescent light bulb 8–150 VA</p> <p>Dimmable LED 8–150 VA</p> <p>Halogen light bulb 20–150 VA</p>
Recommendations	<p>The device operates with only one type of lighting appliance and does not support simultaneous operation with different types of lamps.</p> <p>If the lamp compatible with LightSwitch (Dimmer) Jeweller flickers or the dimmer does not work, connect <u>Bypass (Dimmer) [55]</u>. The bypass is sold separately.</p>

<p>Operating parameters</p>	<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>
<p>Dimensions</p>	<p>Dimmer core</p> <p>LightCore (Dimmer) Jeweller — 76.3 × 72.3 × 29.2 mm LightCore (Dimmer) vertical Jeweller — 74.2 × 72.6 × 31.7 mm</p> <p>LightCore (Dimmer) Jeweller — 3" × 2.85" × 1.15" LightCore (Dimmer) vertical Jeweller — 2.92" × 2.86" × 1.25"</p> <p>Touch-sensitive panels</p> <p>SoloButton (Dimmer) — 82.8 × 82.8 × 10.3 mm CenterButton (Dimmer) — 82 × 70.5 × 10.3 mm CenterButton (Dimmer) vertical — 70.5 × 82 × 10.3 mm SideButton (Dimmer) — 82 × 76.2 × 10.3 mm SideButton (Dimmer) vertical — 76.2 × 82 × 10.3 mm</p> <p>SoloButton (Dimmer) — 3.26" × 3.26" × 0.4" CenterButton (Dimmer) — 3.23" × 2.78" × 0.4" CenterButton (Dimmer) vertical — 2.78" × 3.23" × 0.4" SideButton (Dimmer) — 3.23" × 3" × 0.4" SideButton (Dimmer) vertical — 3" × 3.23" × 0.4"</p> <p>Frames</p> <p>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</p> <p>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"</p>

Weight	<p>Dimmer core</p> <p>LightCore (Dimmer) Jeweller – 46 g LightCore (Dimmer) vertical Jeweller – 45 g</p> <p>LightCore (Dimmer) Jeweller – 1.62 oz LightCore (Dimmer) vertical Jeweller – 1.59 oz</p> <p>Touch-sensitive panels</p> <p>SoloButton (Dimmer) – 46 g CenterButton (Dimmer) – 33 g CenterButton (Dimmer) vertical – 33 g SideButton (Dimmer) – 33 g SideButton (Dimmer) vertical – 33 g</p> <p>SoloButton (Dimmer) – 1.62 oz CenterButton (Dimmer) – 1.16 oz CenterButton (Dimmer) vertical – 1.16 oz SideButton (Dimmer) – 1.16 oz SideButton (Dimmer) vertical – 1.16 oz</p> <p>Frames</p> <p>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</p> <p>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</p>
Complete set	<p>Depends on the kit</p>
Warranty	<p>24 months</p>