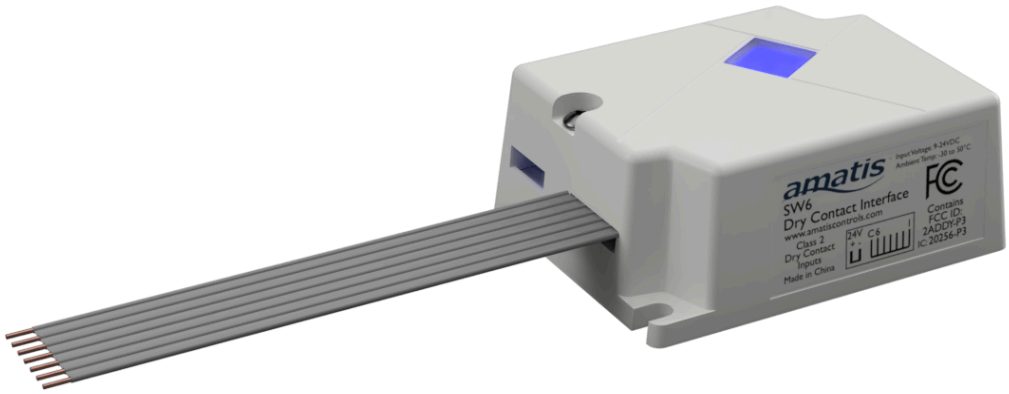
Installation Guide

XWS-SW6 (SWITCH6)

6-input low-voltage switch interface



INTRODUCTION

About This Guide

This guide provides instructions for installing the Switch6 (XWS-SW6), a Luum.io wireless 6-input switch interface. In addition to the step-by-step installation process, this guide provides instructions on how to configure the Switch6, as well as some basic troubleshooting steps.

Cautions and Warnings

When installing hardware, it is important to follow safety precautions to avoid potential injuries or damage to the equipment. Failure to follow safety guidelines can result in electric shock, fire, or other hazards.

Definitions

> **NOTE**
>
> A note provides additional information or clarification that is relevant to the installation process. It may include recommendations, tips, or other useful information that can help ensure a successful installation.

> **CAUTION**
>
> A caution statement indicates a potential hazard that could result in minor or moderate injury, or cause damage to the product if appropriate precautions are not taken. It alerts the reader to a potential risk and provides instructions on how to avoid it.

DANGER

A danger statement indicates a potential hazard that could result in serious injury or death if appropriate precautions are not taken. It alerts the reader to a critical risk that requires immediate attention to prevent harm.

Safety Precautions

DANGER

- Turn off the low-voltage supply and verify that no voltage is present on the wiring before connecting or disconnecting terminals. Do not apply line (mains) voltage to the Switch6 input terminals.
- When connecting the device to power, properly secure all wire connections to reduce the risk of intermittent operation, overheating, or equipment damage.
- Use wire that is appropriate for your low-voltage control circuit and installation environment.

CAUTION

- This device is for indoor use only.
- Disassembling any part of the unit voids the warranty and regulatory certifications. There are no user-serviceable parts inside the unit.
- This equipment is not suitable for use in locations where children are likely to be present.
- Ensure all wire connections are fully seated per the wiring diagram before restoring power.

PRODUCT OVERVIEW

The Switch6 (XWS-SW6) is a wireless 6-input switch interface, capable of connecting to up to six switches or relays. It connects to wireless networks via the Luum Border Router (AMBR).

- Standard toggle or momentary contact inputs.
- Trigger programmed scenes with switches, sensors, and other devices.
- On-board LED drivers for each input for driving LED indicators.
- Cloud connection via AMBR, uploading real-time data from your site to the Luum app.

ORDERING INFORMATION

Controllers

Part number	Description
XWS-SW6	6-input low-voltage switch interface

INSTALLATION

Parts List

Before getting started with the installation process, make sure all the necessary components are included. Here's what should be found inside the box:

- (1) Switch6 (XWS-SW6)

Please ensure all items are accounted for. If any item is missing or damaged, contact the place of purchase for a replacement.

Placement

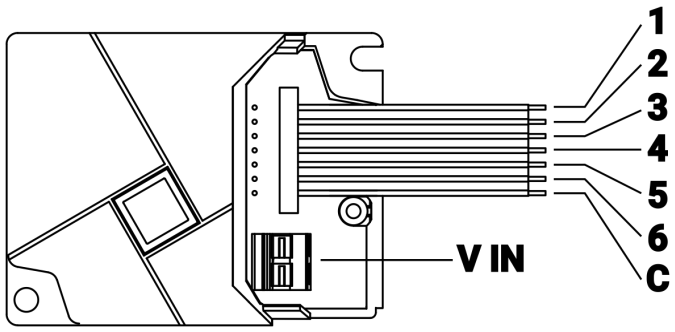
Follow these guidelines when deciding where to install the Switch6:

- When used with a wall switch or keypad, the Switch6 should be installed behind the device it is interfacing with.
- The Switch6 should be installed within 200 ft of an AMBR or other wireless node.

> **NOTE**
> The Luum system supports communication ranges up to 200 ft with a clear line of sight. Obstacles such as walls or floors will significantly impact communication range.

Wiring

Follow the wiring diagram to connect the Switch6:



Switch6 Wiring Diagram

Wiring Legend

Label	Description
C	Common (use a common wire for all inputs)
1	Input 1
2	Input 2
3	Input 3
4	Input 4
5	Input 5
6	Input 6
V IN	9-26VDC, polarity-protected input

Labeling and MAC Capture

After installing any Luum wireless device, it is important to note the device ID with the associated switch, keypad, or controlled equipment. This is how the devices will be identified during programming. It is also a good idea to label the Switch6 with the switches or inputs it is interfacing with.

> **NOTE**
> The device ID can be found on the device's packaging or on the device itself.

INITIAL SETUP

Necessary Parts

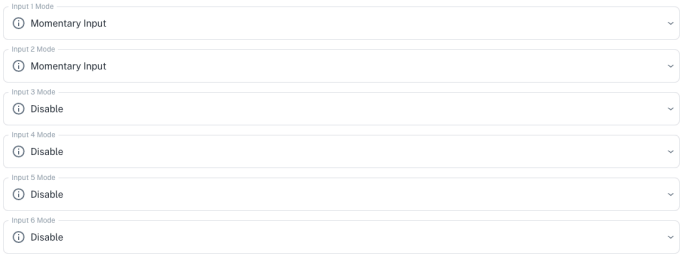
Review the following list to ensure all necessary parts are available:

1. An active AMBR within communication range of the Switch6.
2. Active power to the Switch6.
3. At least one input to the Switch6 wired to a switch or other device.

Device Configuration

Perform the following steps to configure the device:

1. Open the Luum app and navigate to the site.
2. Open the Devices table and ensure a device with the ID noted in the previous step is active.
3. Open the device details and configure the connected inputs.



Input Configuration

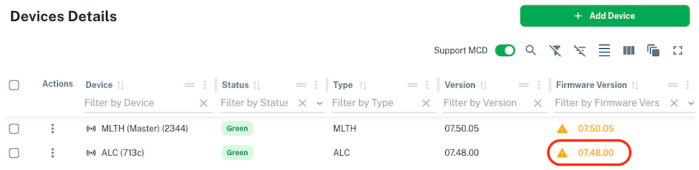
The device is now ready to be added to a location and programmed with the Luum app.

> **NOTE**
> The device appears in the Devices table along with the six inputs. Only add the inputs used for triggering scenes to the location or zone, not the device itself.

Firmware Update

Perform the following steps to update the device's firmware:

1. Open the Luum app and navigate to the site.
2. Open the Devices table and find the device to be updated.
3. Make sure the **Firmware Version** column is visible. If the firmware is out of date, it will show a yellow alert and yellow text.
4. Click on the out-of-date firmware entry to request a firmware update.



Firmware Update Button

> **NOTE**
> Depending on how out of date the firmware is, the programming may need to be synced to the devices after a firmware update.

RELATED INFORMATION

Basic Troubleshooting

Perform the following steps for basic troubleshooting of the device:

1. Verify the device is operating normally using the LED Troubleshooting Matrix below.
2. Verify the Switch6 is detecting inputs by observing the LEDs while activating an input.
3. Power cycle the device by turning off the low-voltage source, then turning it back on 30 seconds later.

LED Indicator Troubleshooting

Use the following table to troubleshoot specific issues with the device based on the LED indicators:

LED Troubleshooting Matrix

LED color	State	Description
Off	Off	No power to device
Blue	Solid	Fault detected
Blue	Flashing	Device unable to communicate with an AMBR
Green	Solid	Device communicating normally
Green	Flashing	n/a
Yellow	Solid	n/a
Yellow	Flashing	Single flash when an input is activated or device button is pressed
Red	Solid	n/a
Red	Flashing	Single flash when an input is activated and there is a fault

Button Operation

On the top of the Switch6, there is a button that also functions as the indicator LED.

Button Operation

Presses	Behavior
10 Presses	Set the device to the default network profile

Technical Support

If you experience any issues during installation or operation of this product, contact our technical-support team via email at support@luum.io. Please provide a detailed description of the issue, including any error messages or other relevant information.

Warranty

All Luum.io lighting products and controls come with a 5-year parts warranty. We warrant that our products will be free from defects in material and workmanship for a 5-year period from the date of purchase. Defective products under warranty will be replaced with an equal or higher-quality product.

If you experience any issues during the warranty period, we will repair or replace the product at no charge. To initiate a warranty claim, contact our customer-service team at support@luum.io. For additional support options, visit luum.io.

> **NOTE**
> The Luum Border Router (AMBR) connected to your affected device must have remained connected to the Luum cloud via the internet or cellular connection from the start of site commissioning to the date of return request. Non-connected systems are eligible for a 2-year limited warranty (730 days) from shipment date.

Contacts

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Document Feedback

While we have taken great care to ensure the accuracy and completeness of this document, we welcome your feedback and suggestions. If you notice any errors or omissions, or feel a topic could benefit from further explanation, please email your feedback to support@luum.io.

Revision History

Date	Revision	Notes
6/27/2023	A	Initial Switch6 install guide release
5/1/2026	B	Port to PDF

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