Advanced Programming Guide

ABOUT THIS GUIDE

Welcome to the advanced programming guide for the Amatis Lighting Control System. In this guide, you'll find straightforward explanations of the scene configuration options. Whether you're looking set up occupancy controls, or enable a control slider in the app, this guide will walk you through the process with ease.

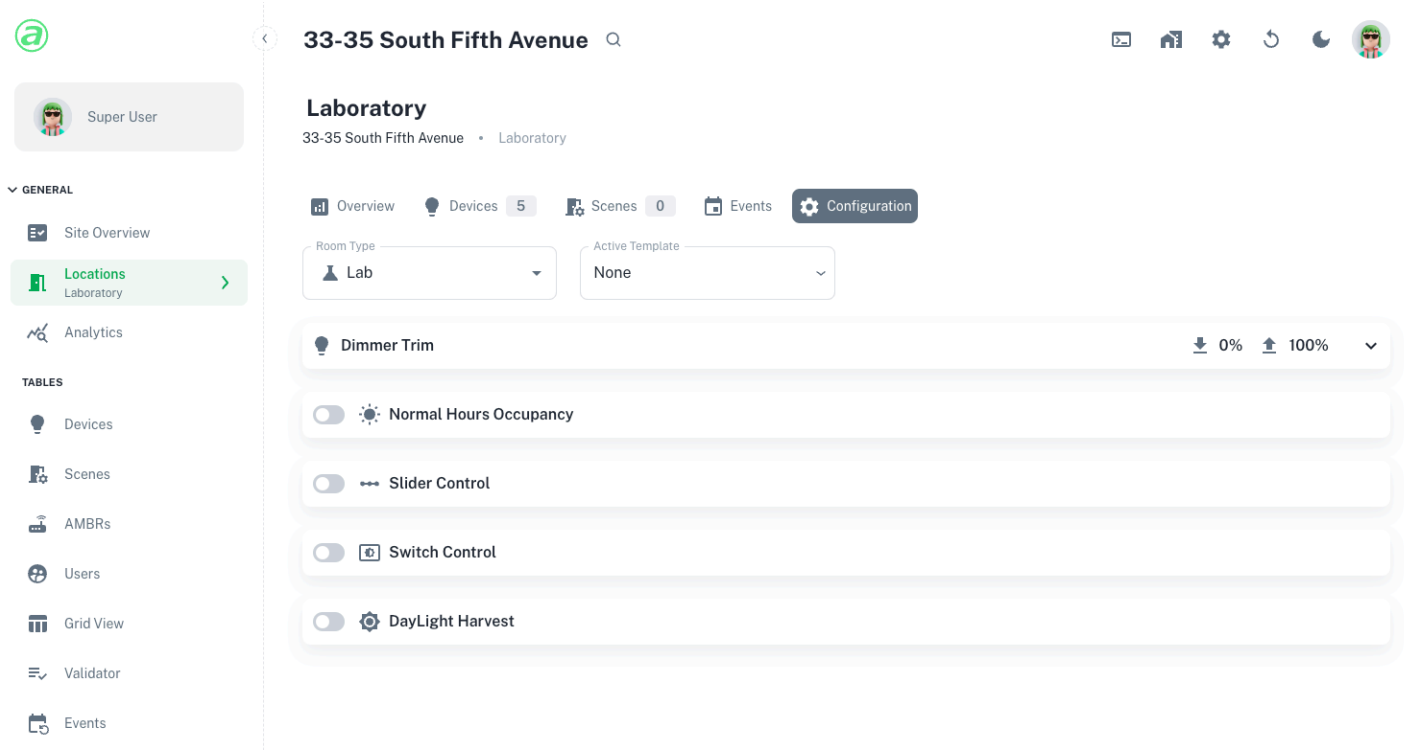
NECESSARY PARTS

The following parts will be necessary to complete this guide:

1. A functional Amatis lighting controls system
2. Amatis wireless control devices, such as motion sensors, wall switches, or input devices
3. Amatis wireless load controllers or X-PoE switches

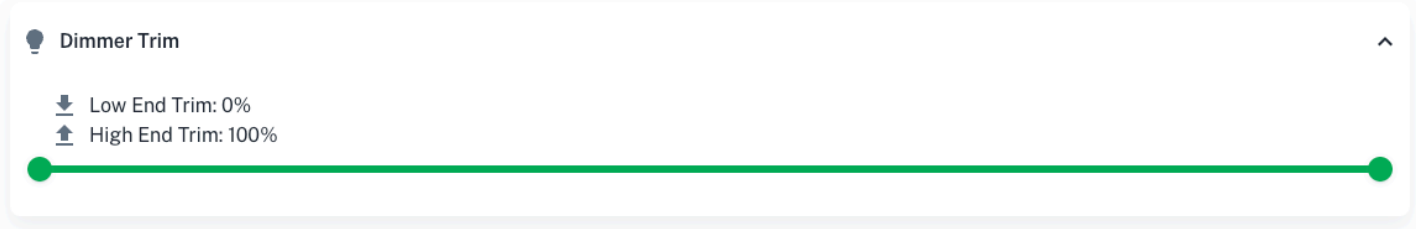
SYSTEM SETUP

Before getting started with the programming configuration, ensure all devices are properly connected. Once a location in the app has been set up, and devices are in the location, programming configuration can begin.



DIMMER TRIM

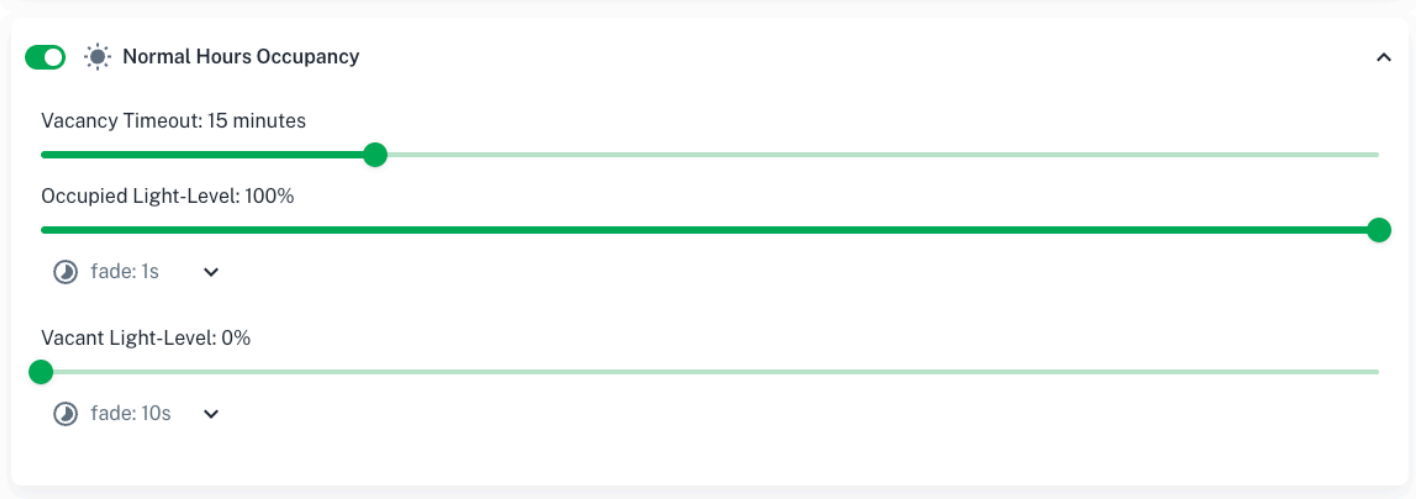
To set the high and low end trim for the location, select the dropdown arrow in the top right corner of the dimmer trim option, and adjust the left and right ends of the slider.



This feature sets the highest and lowest levels allowed in a location (other than 0%, off). The default settings are 100% for high end trim, and 0% for low end trim.

NORMAL HOURS OCCUPANCY

To enable occupancy control, toggle on the "Normal Hours Occupancy" option. Select the dropdown arrow in the top right corner to customize the controls.



> **NOTE**
> This option will only be available if there is a motion sensor in the location.

Vacancy Timeout

This setting controls how long the lights will stay on after occupancy was last detected. Default timeout is 15 minutes.

Occupied Light Level

This setting controls the level the lights go to upon detecting occupancy. Default occupied light level is 100%.

- **Fade:** This setting controls the duration of the fade as the lights turn on upon detecting occupancy. Default occupied fade time is 1 second.

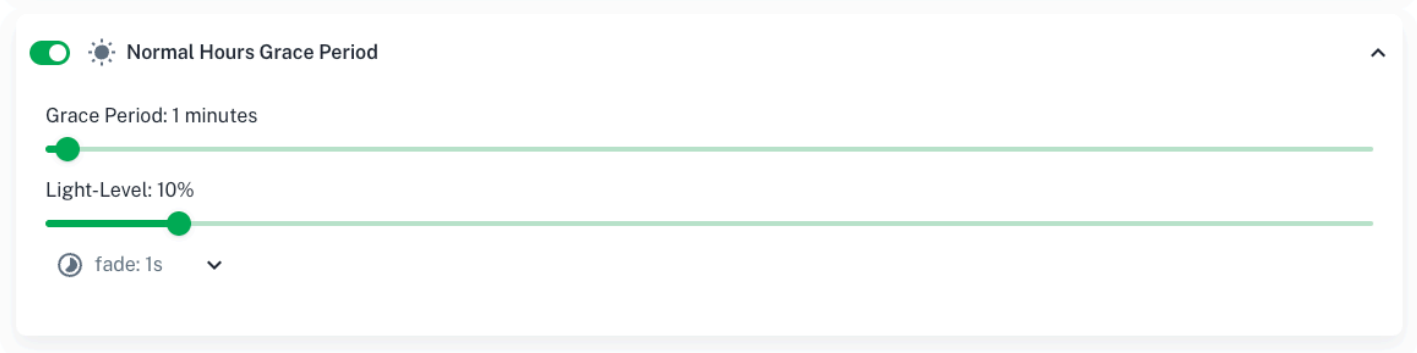
Vacant Light Level

This setting controls the level the lights go to after the vacancy timeout is reached. Default vacant light level is 0%.

- **Fade:** This setting controls the duration of the fade as the lights turn off upon detecting vacancy. Default vacant fade time is 10 seconds.

NORMAL HOURS GRACE PERIOD

To enable a grace period for normal hours occupancy, toggle on the "Normal Hours Grace Period" option. Select the dropdown arrow in the top right corner to customize the controls.



> **NOTE**
> This option will only be available if Normal Hours Occupancy is enabled.

Grace Period

This setting determines how long before the motion timeout to activate the grace feature. For example, if you set a 45-minute occupancy timeout, with a 30 minute grace period, this feature will dim the lights down to the grace period light level after no occupancy detection for 15 minutes. After an additional 30 minutes of no occupancy detected, the lights would dim down to the vacant light level. Default grace period is one minute.

> **CAUTION**
> The grace period time should not be greater than or equal to the vacancy timeout.

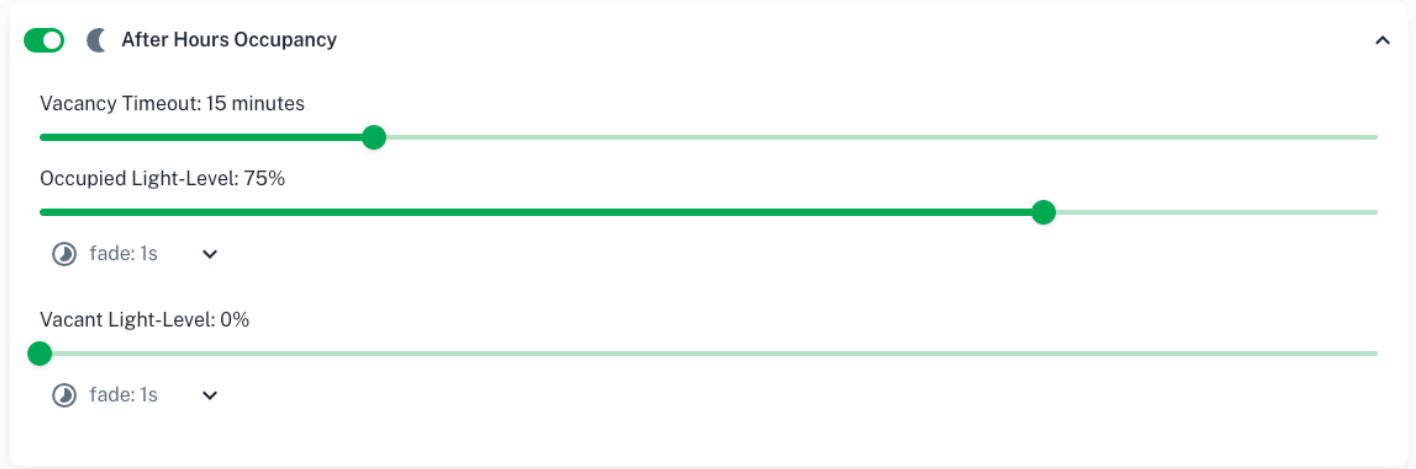
Light Level

This setting controls the level the lights go to upon entering the grace period. Default grade light level is 10%.

- **Fade:** This setting controls the duration of the fade as the lights turn off upon entering the grace period. Default grace fade time is 1 second.

AFTER HOURS OCCUPANCY

To enable after hours occupancy control, toggle on the "After Hours Occupancy" option. The control options in the dropdown are the same as Normal Hours Occupancy, with different default values.

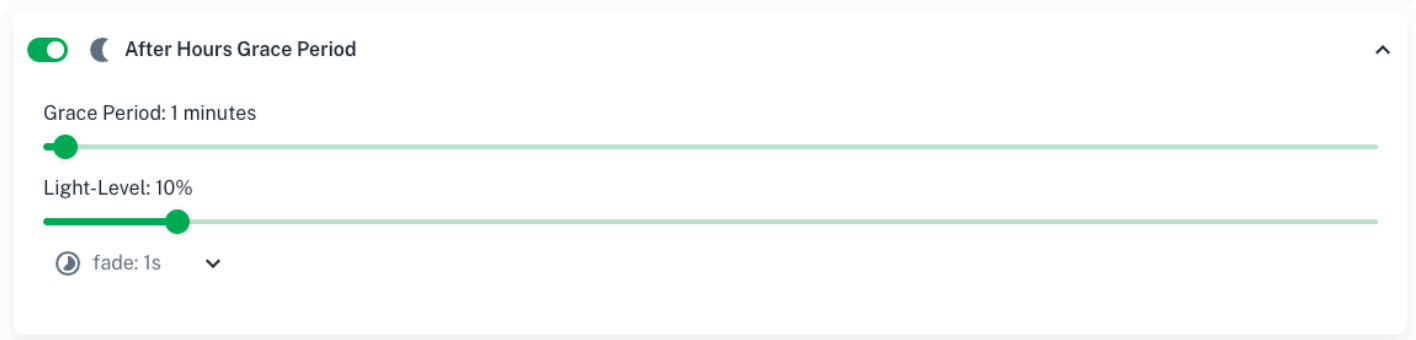


This feature allows a space to have two different occupancy behaviors. In order to fully configure this feature, Normal Hours & After Hours will need to be set up.

> **NOTE**
> This feature is most commonly used to allow for dimmer light levels and shorter timeouts during less active parts of the day/night. However, despite their naming convention, this feature can be used for whenever a different set of occupancy rules is desired.

AFTER HOURS GRACE PERIOD

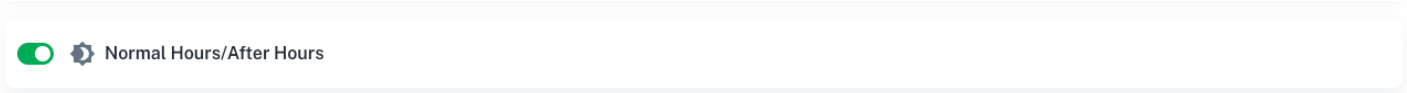
To enable a grace period for after hours occupancy, toggle on the "After Hours Grace Period" option. The control options in the dropdown are the same as After Hours Grace Period.



> **NOTE**
> This option will only be available if After Hours Occupancy is enabled.

NORMAL HOURS/AFTER HOURS

In order to trigger the After Hours Occupancy and Grace Period functionality, this option must be enabled:

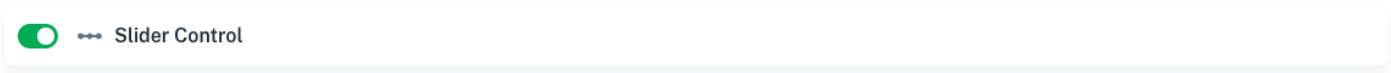


This will generate a normal hours and after hours scene that will trigger all of the devices in the location to go into normal hours or after hours mode respectively.

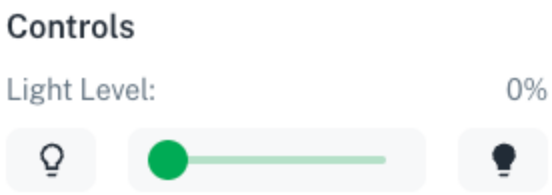
> **NOTE**
> The devices will remain in "normal hours" mode until these scenes are activated. To switch between normal and after-hours modes, additional programming is required. This involves setting up schedules or specific triggers to activate the appropriate scenes at appropriate times.

SLIDER CONTROL

To enable a control slider for the location in the app, toggle on the "Slider Control" option.



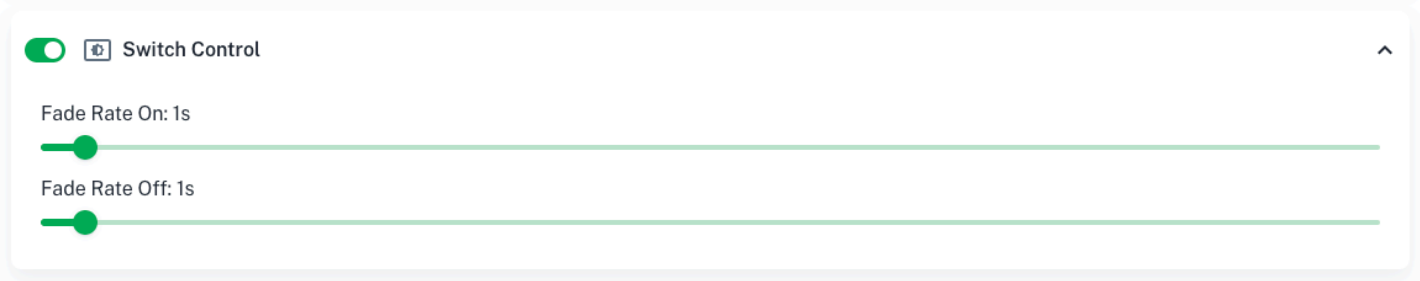
This will generate a controls slider for the location in the app.



> **NOTE**
> The programming configuration settings will need to be saved before the slider will be available in the app.

SWITCH CONTROL

To enable wall switch control, toggle on the "Switch Control" option. Select the dropdown arrow in the top right corner to customize the controls.



> **NOTE**
> This option will only be available if there is a wall switch in the location.

Fade Rate On

This setting controls the duration of the fade as the lights turn on when a wall switch is pressed. Default fade rate on time is 1 second.

Fade Rate Off

This setting controls the duration of the fade as the lights turn off when a wall switch is pressed. Default fade rate off time is 1 second.

DAYLIGHT HARVESTING

To enable daylight harvesting, toggle on the "Daylight Harvesting" option.



This feature allows the lights to dim when there is enough light from other sources to achieve the target light level. Follow these steps in order to properly configure daylight harvesting:

1. If a light meter is being used, place it under the specified daylight sensor. Otherwise, visually observe the location to determine the optimal light level.

> **NOTE**
> Using a light meter is **highly recommended** when choosing a target light level, as having the target level too close to the maximum achievable brightness of the room will cause daylight harvesting to not function as intended.

2. Using the slider in the app, adjust the light levels until the desired light level in the room is reached.

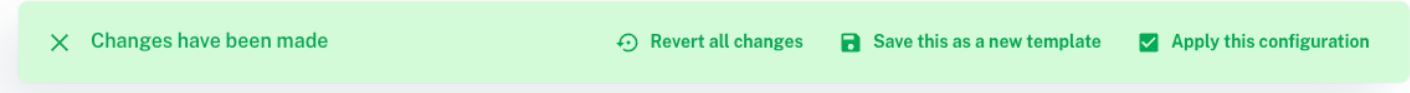
> **NOTE**
> "Slider Control" must be enabled and synced in the location in order to get a slider in the app.

3. Press the "Set Current Measured Light Level As Target" button in the daylight harvesting programming option.

Daylight harvesting is now setup, and the light levels will automatically adjust to attempt to achieve the target light level.

APPLY CONFIGURATION

After any programming configuration change is made, the settings need to be applied. Select "Apply this configuration" at the bottom right of the page.



RELATED INFORMATION

Technical Support

Questions about scene configuration can be sent to support@luum.io. Include the site and the step you are on.

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
11/3/2026	A	Converted to the current guide format.

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