AUDACY™

ADVANCED WIRELESS SOLUTIONS BY IDEAL®

OPERATIONS & USER MANUAL

P-5302 Rev. 2

July 2015

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Contents

1.0 Safety and Regulatory Information

1.1 UL information

GW-1100 (Wireless Gateway) UL 2043 Plenum rated

SCL-1000 (Smart Connector) UL 916 (Energy Management Equipment), UL 2459 (Luminaire Disconnect), UL 94 5VA (Enclosure)

SCD-1000 and SCLED1000 (Compact Smart Connector) UL 916 (Energy Management Equipment), UL 94 5VA rating (Enclosure)

1.2 FCC information

GW-1100 (Wireless Gateway) FCC ID: SCL-1000 – (Smart Connector) FCCID: 2AAMXSD1000

SCD1000 and SCLED1000 (Compact Smart Connector) FCCID: 2AAMXSCD1000

SS-1200 (Smart Switch) FCC ID: WMS-1200 (Wall Mount Switch) FCC ID: 2AAMXWMS1200

VSC-1300 (Ceiling-Mount Motion Sensor) FCC ID: 2AAMXVSC1300

VSW-1300 (Wall-Mount Motion Sensor) FCC ID: 2AAMXVSW1300

LS-1400 (Light Sensor) FCCID: 2AAMXLS1400

1.3 Industry Canada Information

GW-1100 (Wireless Gateway) - IC: 11250A-GW110B

SCL-1000 (Smart Connector) – IC: 11250A-SCL1000

SCD-1000 and SCLED-1000 (Compact Smart Connector) – IC 11250A-SCD1000

SS-1200 (Smart Switch) IC: 11250A-SS1200

WMS-1200 (Wall Mount Switch) IC: 11250A-WMS1200

VSC-1300 (Ceiling-Mount Motion Sensor) IC: 11250A-VSC1300

VSW-1300 (Wall-Mount Motion Sensor) IC: 11250A-VSW1300

LS-1400 (Light Sensor) IC: 11250A-LS1400

2.0 Introduction to Audacy™

The Audacy wireless lighting control system from IDEAL brings advanced solutions to almost any commercial lighting application. Its simple installation, configuration, and operation allows any user to achieve significant energy savings without the usual complications.

"Inspired by Simple."™ The Audacy lighting control system brings you tried-and-true lighting control strategies, including:

- Occupancy
- Vacancy
- Daylight Harvesting
- Scheduling
- Remote System Control

The system revolves around wireless Smart Connectors, wireless sensors and switches, and wireless Gateways that can Interface with Building Automation Systems using industry-standard protocols such as BACnet, Lonworks, and Modbus, just to name a few.

The sensors and switches are truly wireless devices and have a 25-year battery life. Sleek and stylish, they can be placed anywhere you need coverage and are easily added, configured, or modified.

Each Smart Connector effortlessly fits into the light fixture using proven IDEAL wire termination technology, allowing for a fast, easy, and reliable installation. Since the Smart Connector is installed in-line with the ballast or LED driver in the part of the fixture designed for routine maintenance access there are no additional wires to pull, boxes to locate, or walls to open. Overall, the installation of a Smart Connector into a light fixture takes less than three minutes. Because a Smart Connector is installed in each light fixture, occupants can benefit from the maximum amount of flexibility – individual fixture control, if so desired.

Tying everything together is the Audacy™ control Interface. Accessed through a web browser or mobile device, you can access your lighting network from anywhere with an Internet connection. Controlling lights, making configuration changes, or providing energy consumption reports are all part of the Audacy™ control Interface. Just like the rest of the system, the Interface is designed to be simple, intuitive, and user-friendly, while providing the maximum amount of flexibility and control.

3.0 System Requirements

In order to utilize the Audacy™ Lighting Control System Interface, the following system requirements must be satisfied:

1. The space in which it is installed must have access to the Internet
2. A dedicated PC or server on which the Audacy™ proxy software can reside

   Minimum system requirements:

   - Windows 7 or better (2008+)
   - 2 Ghz CPU
   - 2 GB RAM
   - 10Mbps network Interface
3. To utilize dimming capabilities, each fixture must have a 0-10 V dimmable fluorescent ballast or LED driver installed

The Audacy™ Interface can be accessed either from a web browser or a mobile app. Compatible web browsers include Google® Chrome® (recommended), Windows® Internet Explorer®, or Mozilla® Firefox®. Please ensure your browser is up to date.

The Audacy™ mobile Interface is supported on Apple® iOS® mobile devices or Android® mobile devices.

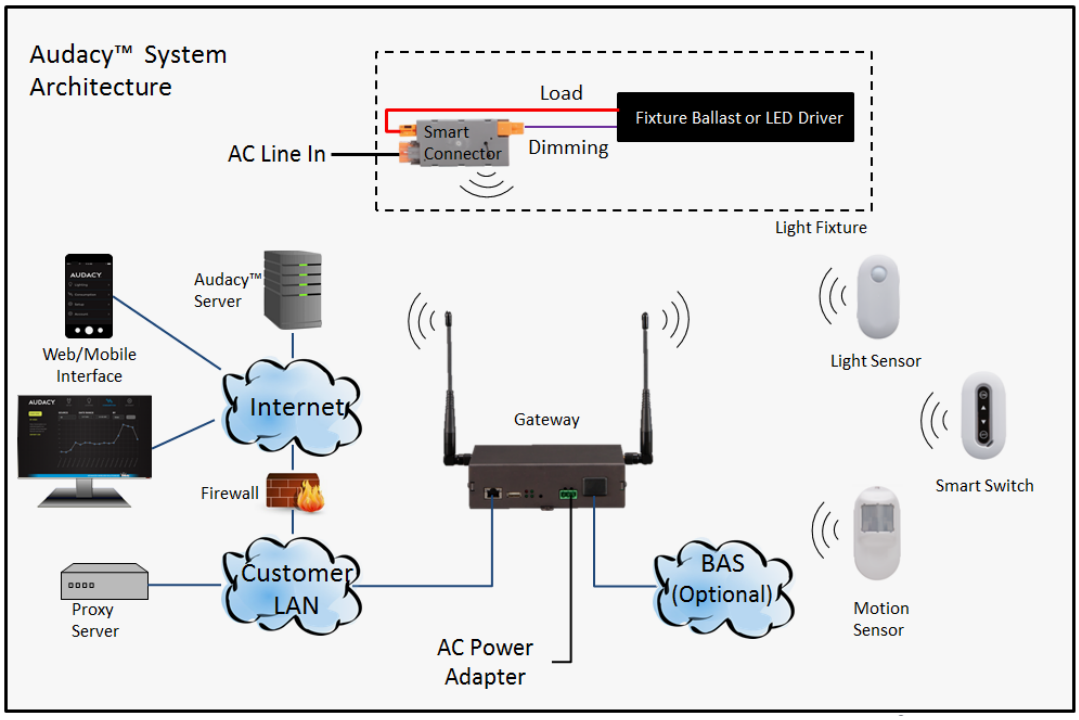
Mobile device requirements are as follows:

Apple® - iOS® 8 or later operating system

Android – Jellybean® 4.3 or later operating system

4.0 System Setup and Configuration

4.1 System Architecture Diagram

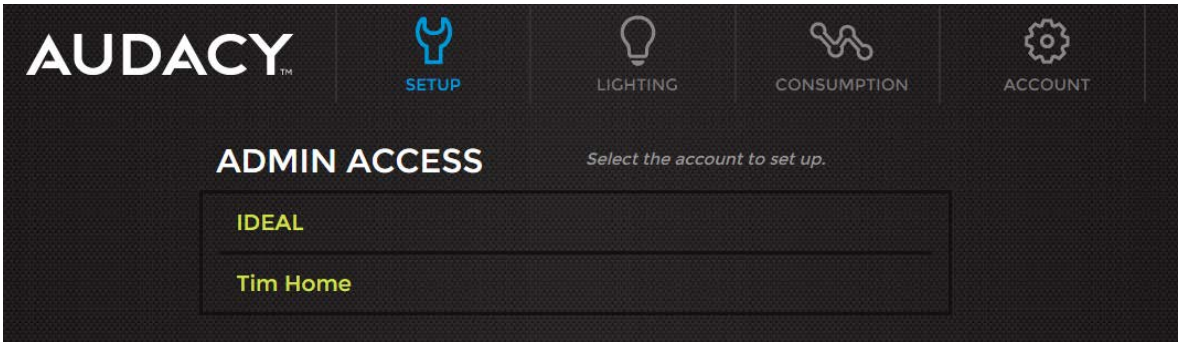


4.2 Proxy Software Installation

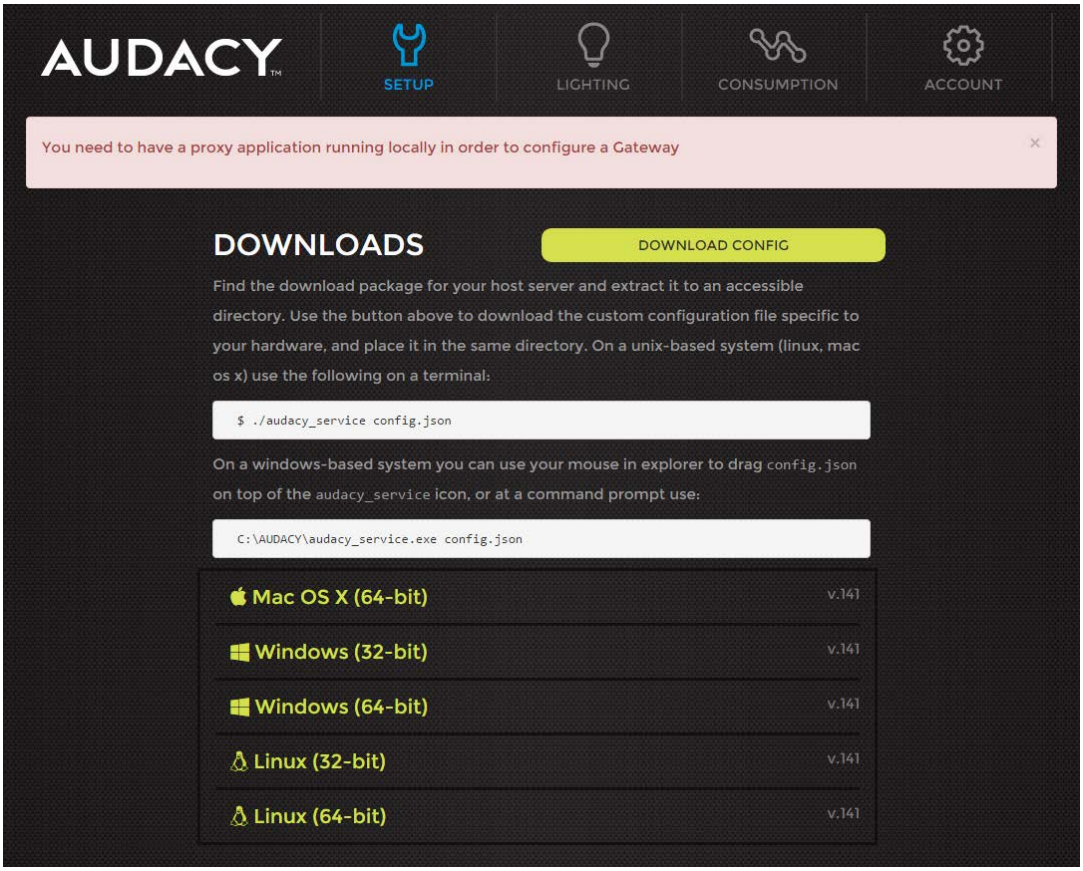
The Audacy™ Interface utilizes a software application known as a proxy that resides behind the client firewall on a host server. The host server is a PC or server dedicated to running the Proxy software.

To install the proxy on the host server:

1. Verify that you have obtained the Admin login information from your Audacy Sales Representative; if you have not received the Admin login information contact your Audacy Sales Representative or Audacy Customer Service at 800-273-9989
2. From the host server login to the Audacy™ Web Interface (audacycontrols.com) with your Admin account
3. Select SETUP and then select the account you want to configure the proxy on



4. Select the appropriate Audacy™ service package for your host server
5. Once downloaded, extract the “audacy_service” file to an accessible directory
6. Select DOWNLOAD CONFIG and save the file “config.json” to the same directory as the “audacy_service” file downloaded in step 4
7. Run the “audacy_service” file
   IMPORTANT: THIS APPLICATION MUST REMAIN RUNNING AT ALL TIMES!



4.3 Gateway Setup

Each Gateway on the Audacy™ network must be given an internal IP address in order for the proxy to coordinate traffic from each Gateway to and from the Audacy™ server in the cloud. Before configuring the Gateway, obtain the following information from your IT network administrator for each Audacy™ Gateway that will be on the Audacy™ system.

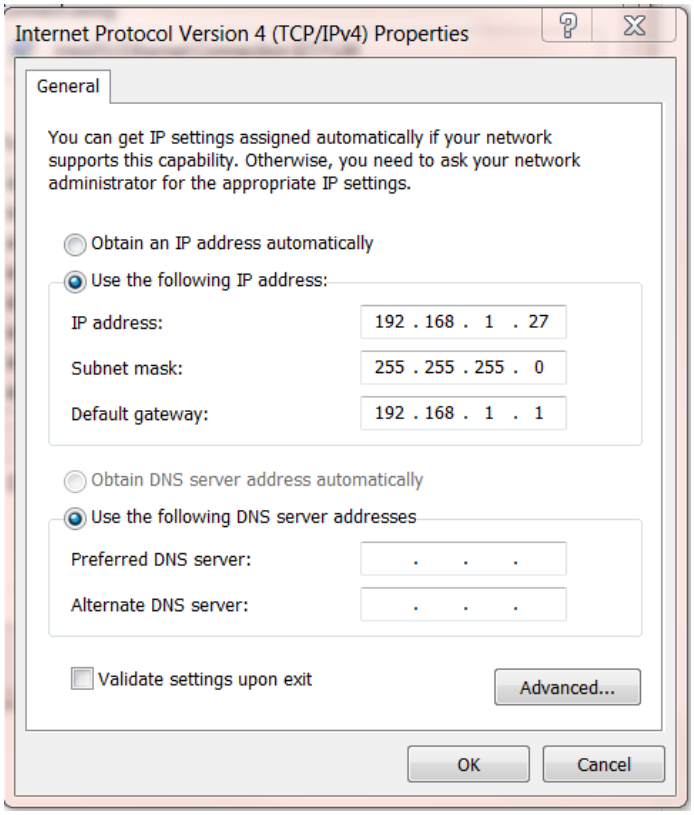
1. Either
   - A static IP Address (Recommended)

   -or-
   - DHCP reservation

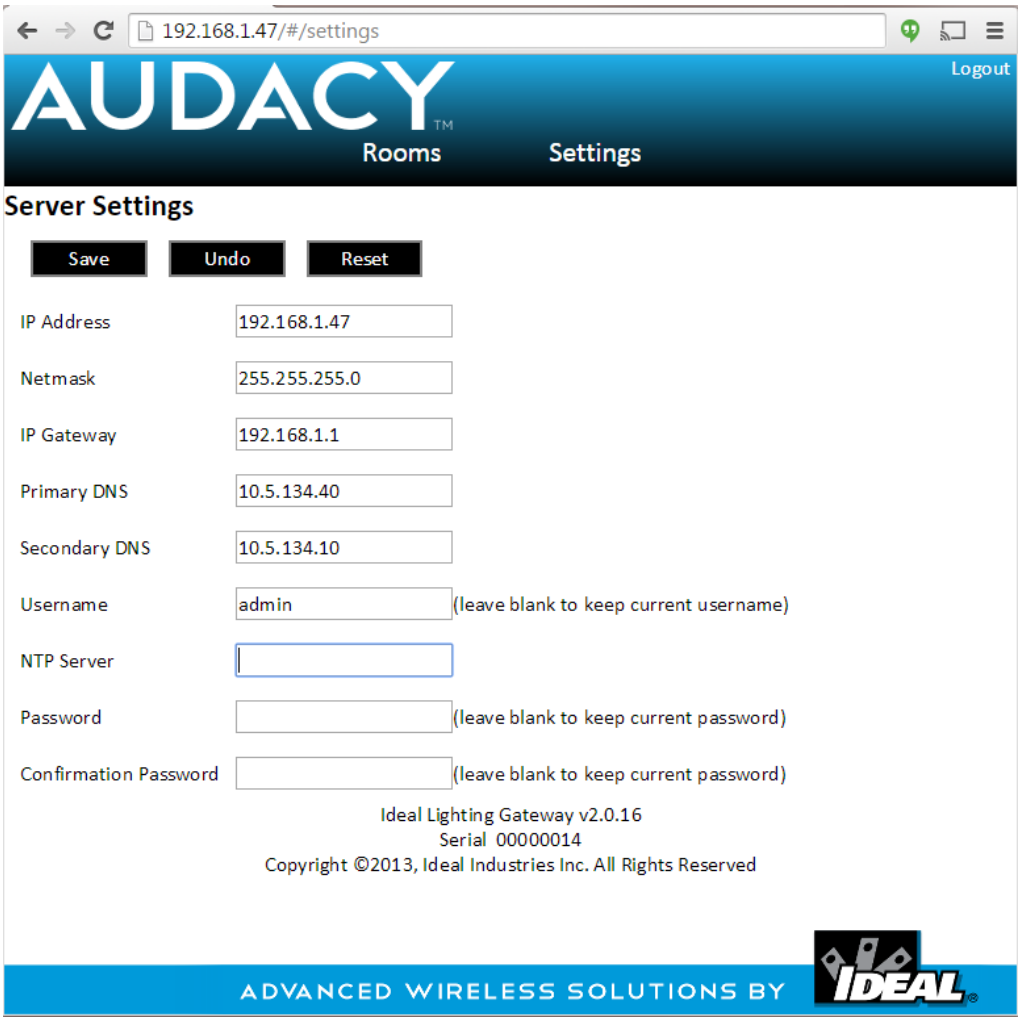
   Note: The IP address must be open to the Internet on Port 993 (outgoing)
2. Netmask
3. IP Gateway
4. DNS addresses

Before you can connect your PC to the Gateway for configuration you must make a few changes to the PC's IP settings. The instructions below are specific to Windows 7 but the same settings can be used with any OS.

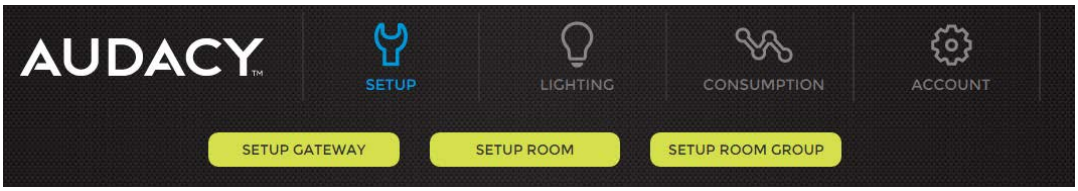
1. Go to Control > Network and Sharing > Change Adapter Settings
2. Right click on Local Area Connection and select Properties
3. Click on Internet Protocol Version 4 (TCP/IPv4) and click on Properties
4. Configure as follows
5. Select OK



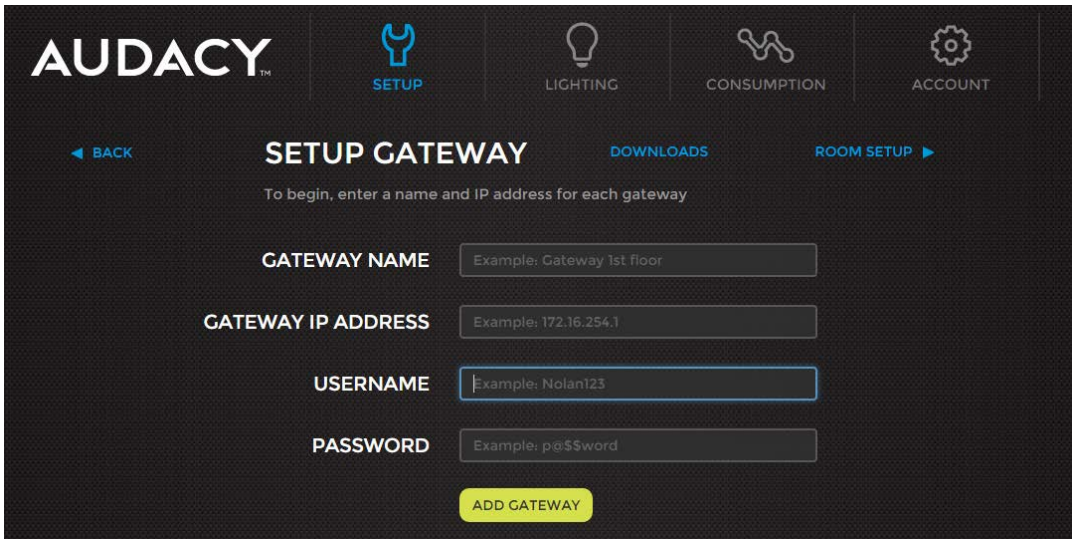
6. Plug in the Gateway power supply into any 120V outlet
7. Insert the green power connector from the power supply into the Audacy™ Gateway
8. Insert an Ethernet cable into the Ethernet port on the Gateway and directly into your PC
9. Access the Gateway configuration menu from a web browser by entering the Gateway IP address (default: 192.168.1.47)
10. The default login information is: User = admin ; Password = password
11. Configure the network settings as obtained from your IT network administrator
12. For security, it is recommended you change the Username and Password
13. Select “Save”



14. Once configured, remove the Ethernet cable from your PC and connect it to your Local Area Network
15. Login to the Audacy™ Web application at audacycontrols.com
16. Select SETUP
17. If another Gateway is already configured you will have to select “SETUP GATEWAY” otherwise skip to step 18



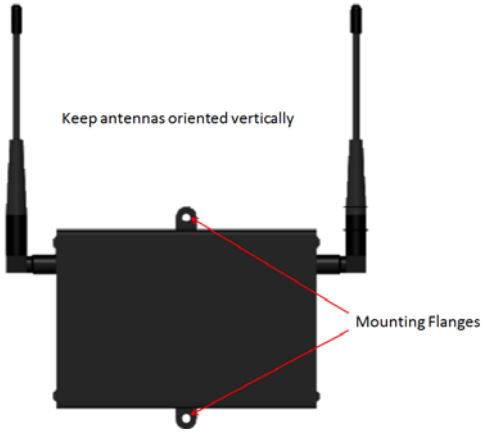
18. Enter a Gateway name, the static IP address configured in step 11, the username and password set up in step 12 then select ADD GATEWAY



4.4 Physical Installation

Gateway Installation

1. The Audacy™ Gateway has two mounting flanges that can be used to mount it to a wall or other surface using screws
2. Make sure the antennas are in a vertical orientation



4.4.1 Smart Connector Installation

Easily installed modules that can turn on/off and provide 0-10V dimming. Available as a fixture insert or, for low-profile appliances, as a junction box insert. For maximum flexibility each fixture can be controlled by a single Smart Connector or a Smart Connector can control multiple fixtures as a group.

SCL1000

SCD1000

Maximum fixtures per Smart Connector – The following table can be used to determine the maximum number of fixtures that can be connected to each Smart Connector.

Voltage	Maximum Wattage per Smart Connector	Maximum Dimming Circuits (Sinked*) per Smart Connector	Maximum Dimming Circuits (Sourced*) per Smart Connector
120VAC	600W	4	1
240VAC	1200W	4	1
277VAC	1385W	4	1

** Refer to your ballast or LED driver specifications*

Each Smart Connector has a unique serial number that must be associated with the light fixture(s) it controls (see section 7.2).
To simplify the documentation process, two removable bar coded stickers are affixed to the Smart Connector for your use.

As the Smart Connectors are installed remove a label and attach it to the lighting blueprint or other lighting document to record the location and fixture(s) associated with each Smart Connector. If desired, you may use the device layout record (Appendix A) for this purpose. The second label can be attached to the fixture for easy identification.

For detailed Smart Connector installation instructions refer to the following documents:

- SCL1000: ND 7941
- SCD1000: ND 7943

4.4.2 Motion Sensor Installation

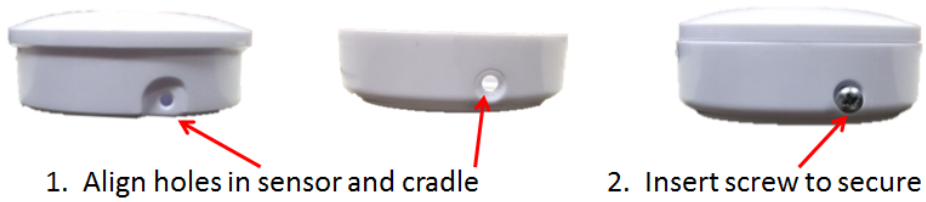
Ceiling-Mounted (VSC-1300)

Requires no wiring and detects occupancy/vacancy. Engineered to provide maintenance-free battery life.

1. Scan barcode on Ceiling-Mounted Motion Sensor to create an association in Audacy™ system (see section 7.2)
2. The sensor must be activated by pressing a small button underneath the label on the back side of the sensor
    - This can be accomplished with the screw that is included with the sensor, pen or similar object to push through the label and depress the switch

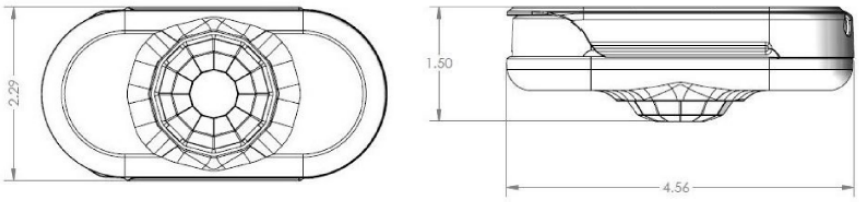
3. Find a suitable location for the sensor based on the specifications shown in the sensor coverage pattern diagram below
   For optimal performance:
    - *Make sure the sensor has a line of sight to the occupant in the space*
    - *Plan on a 8' radius of coverage when mounted on a 9'ceiling*
4. Mount the cradle in the desired location via screws, ceiling tile wire (included) or double-sided tape

5. Insert the sensor into the cradle
    - If desired, the sensor can be secured to the cradle by aligning the holes on the sensor and cradle and inserting the screw provided through the cradle and into the sensor



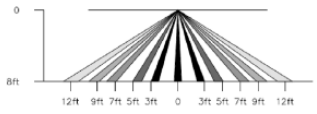
Note: When the sensor hasn't detected motion for the time specified in "vacancy timeout" the lights will flash 60 seconds prior to turning off as a warning.

MECHANICAL DIMENSIONS (INCHES)

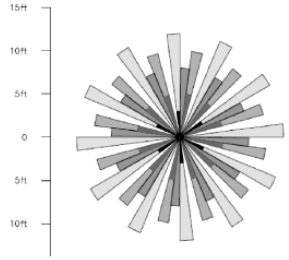


SENSOR COVERAGE PATTERNS

SIDE VIEW

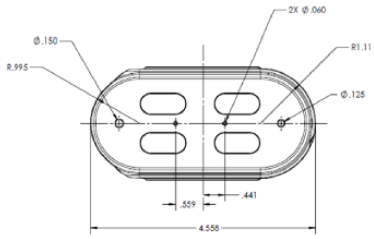


TOP VIEW

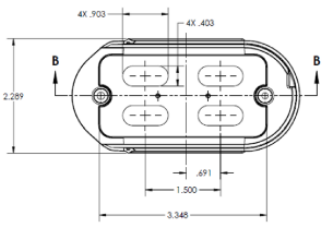


CRADLE HOLE LAYOUT

TOP VIEW



REAR VIEW



Wall-Mounted (Model VSW-1300)

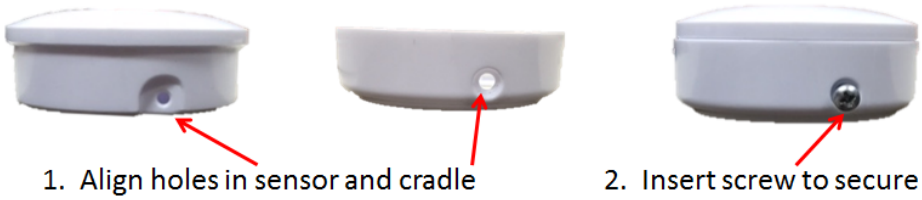
Requires no wiring and detects occupancy/vacancy. Engineered to provide maintenance-free battery life.

1. Scan barcode on Wall-Mounted Motion Sensor to create an association in Audacy™ system (see section 7.2)
2. The sensor must be activated by pressing a small button underneath the label on the back side of the sensor.
    - This can be accomplished with the screw that is included with the sensor, pen or similar object to push through the label and depress the switch

3. Find a suitable location for the sensor based on the specifications shown in the sensor coverage pattern diagram below

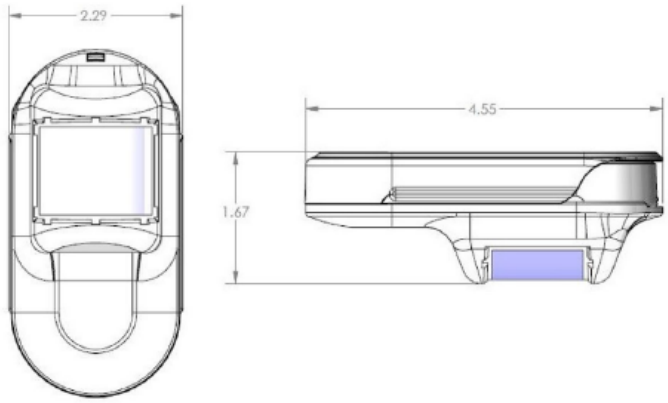
    For optimal performance:

    - *Make sure the sensor has a line of sight to the occupant in the space*
    - *plan on a maximum distance of 22'*
4. Mount the cradle in the desired location via screws, ceiling tile wire (included) or double-sided tape
5. Insert the sensor into the cradle
    - If desired, the sensor can be secured to the cradle by aligning the holes on the sensor and cradle and inserting the screw provided through the cradle and into the sensor



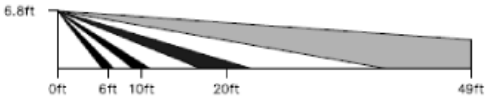
Note: When the sensor hasn't detected motion for the time specified in "vacancy timeout" the lights will flash 60 seconds prior to turning off as a warning.

MECHANICAL DIMENSIONS (INCHES)



SENSOR COVERAGE PATTERNS

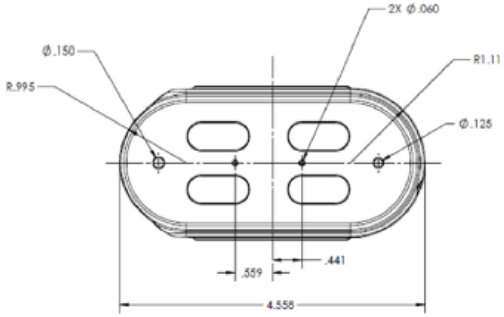
SIDE VIEW



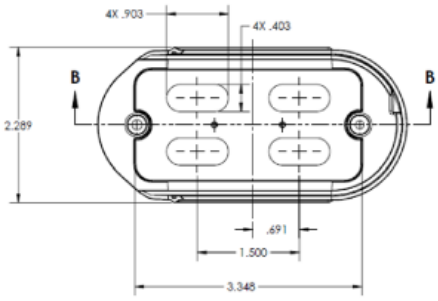
TOP VIEW

CRADLE HOLE LAYOUT

TOP VIEW



REAR VIEW



4.4.3 Switches

Wirelessly dim or turn lights on and off. Engineered to provide maintenance-free battery life.

Flush-Mounted (Model WMS-1200)

Flush-Mounted switches fit into decorator-style faceplates and can be used to replace an existing switch.

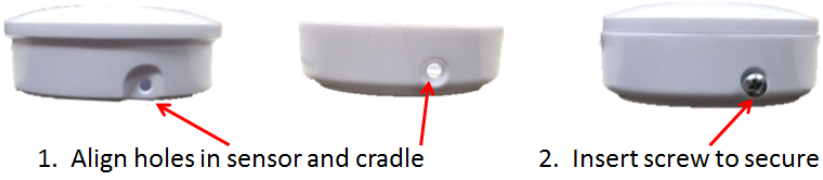
1. Scan barcode on flush-mounted switch to create an association in Audacy™ system (see section 4.5)
2. The switch must be activated by pressing a small button recessed on the back side of the switch
    - This can be accomplished using a paper clip or similar object

3. Remove existing switch and properly terminate any pre-existing wires
4. Use screws to secure the flush mounted switch to the electrical box
5. Cover with a decorator style faceplate

Handheld (Model SS-1200)

1. Scan barcode on Smart Switch to create an association in Audacy™ system (see section 4.5)
2. The switch must be activated by pressing a small button underneath the label on the back side of the sensor
    - This can be accomplished with the screw that is included with the sensor, pen or similar object to push through the label and depress the switch

3. If desired, mount cradle in chosen location and Insert the switch into the cradle
    - The sensor can be secured to the cradle by aligning the holes on the sensor and cradle and inserting the screw provided through the cradle and into the sensor



4.4.4 Light Sensor (Model LS-1400)

Reliably adjusts brightness to harvest maximum daylight without wiring. Engineered to provide maintenance-free battery life.

Important Note: When utilizing a light sensor it is required that the same space be controlled by an occupancy sensor instead of an automatic schedule. Per design, turning lights on/off or dimming via a switch will override the light sensor while the space remains occupied.

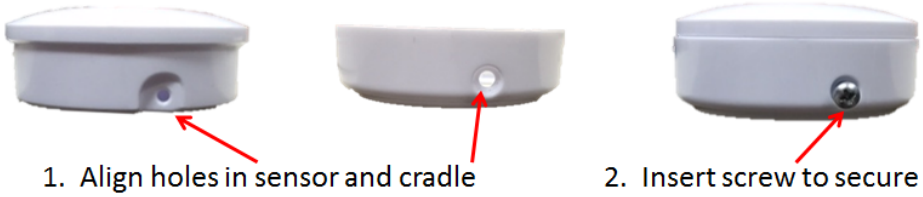
Scan barcode on light sensor to create an association in Audacy™ systems (see 7.2 Scanning Devices via the Audacy™ Mobile App)

1. The sensor must be activated by pressing a small button underneath the label on the back side of the sensor
    - This can be accomplished with the screw that is included with the sensor, pen or similar object to push through the label and depress the switch

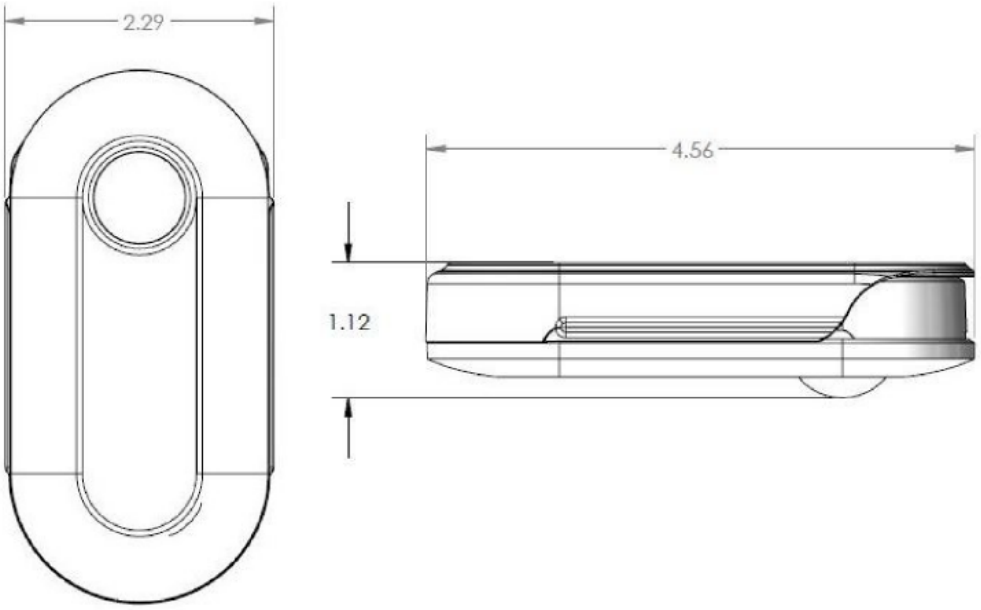
2. Find a suitable location for the sensor

For optimal performance: Light sensor should be directed toward the lighted environment and not directly at the light source (windows or fixture)

3. Mount the cradle in the desired location via screws or double-sided tape
4. Insert the sensor into the cradle
    - If desired, the sensor can be secured to the cradle by aligning the holes on the sensor and cradle and inserting the screw provided through the cradle and into the sensor

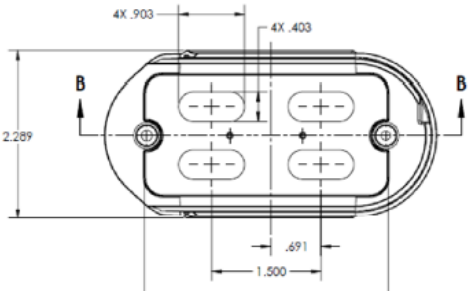


MECHANICAL DIMENSIONS INCHES.

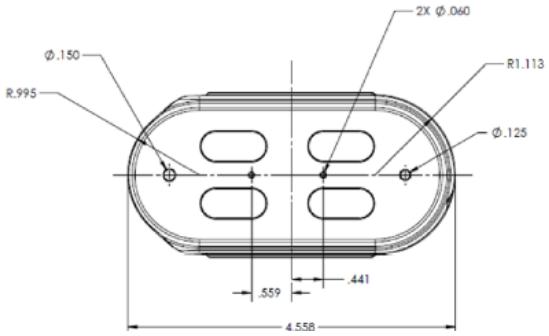


CRADLE HOLE LAYOUT (INCHES)

REAR VIEW



TOP VIEW



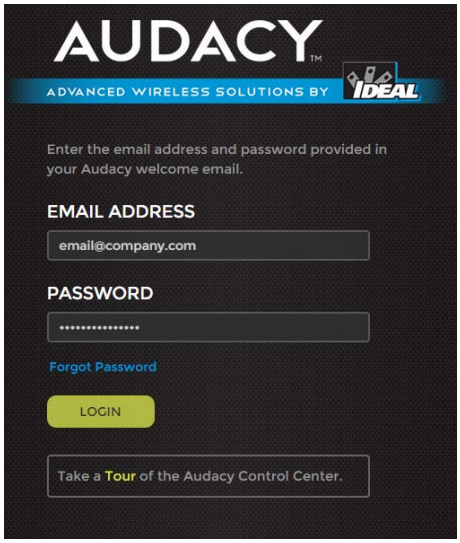
5.0 Setting up the Audacy™ Interface

The Audacy™ Wireless Lighting Control System Interface can be accessed via a web browser or a mobile device.

5.1 Web Interface

Login to Web Interface

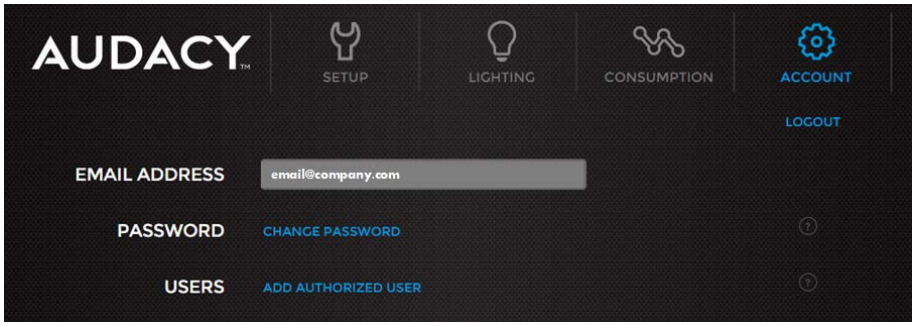
1. Navigate to “AudacyControls.com” from your web browser
2. Sign in to the Audacy™ system using the credentials provided by the Audacy™ administrator when the product was purchased



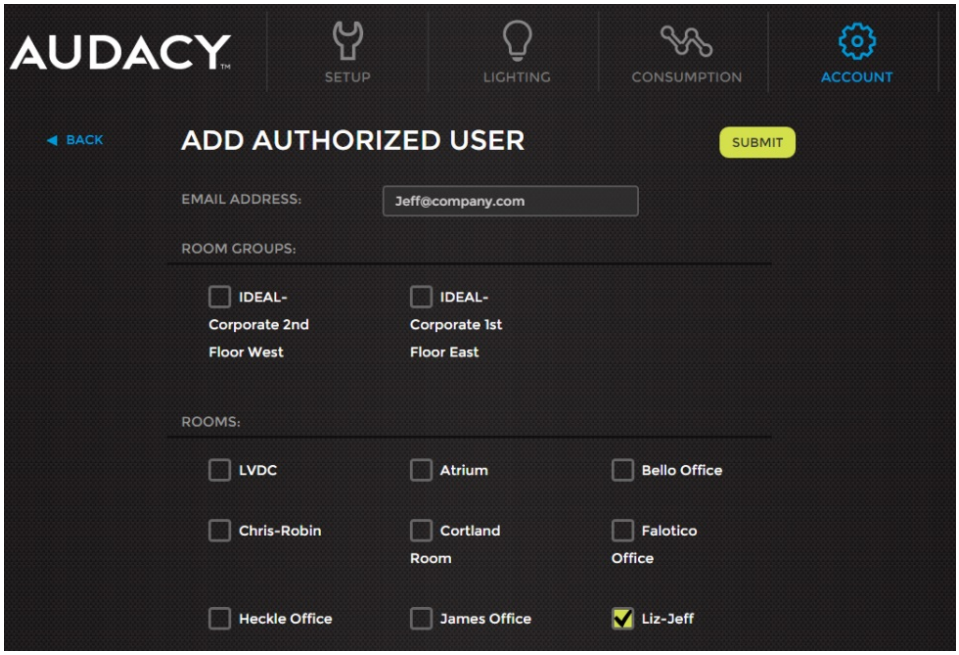
Adding Authorized Users

An authorized user has access to the LIGHTING and CONSUMPTION menus of the Audacy™ Web or Mobile Interface but access is limited to the assigned rooms and room groups only. ACCOUNT access is limited to CHANGE PASSWORD but SETUP access is restricted.

1. Select ACCOUNT
2. Click on ADD AUTHORIZED USER

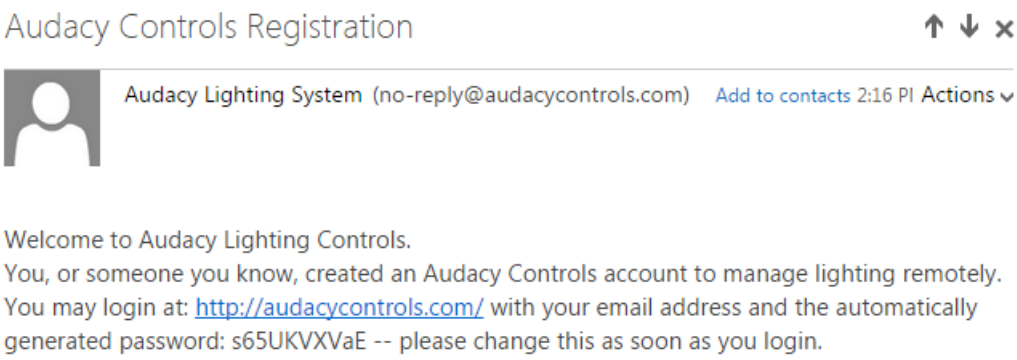


3. Fill in the e-mail address of the Authorized User
4. Select the Room Group(s) and Room(s) you want to assign control over
5. Select SUBMIT



6. The User will receive an e-mail with a temporary password

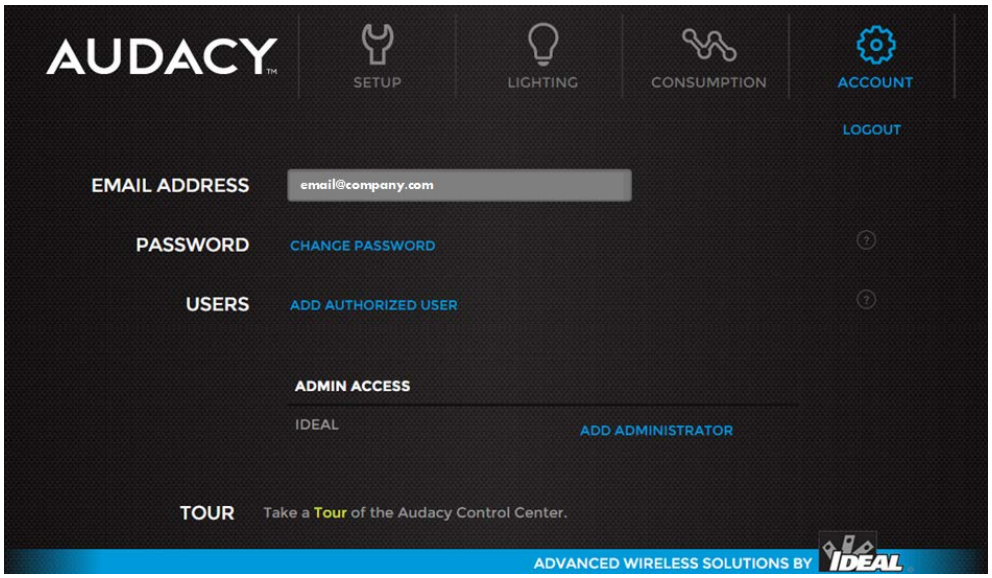
(Be sure to add "no-reply@audacycontrols.com" to your email's safe sender list)



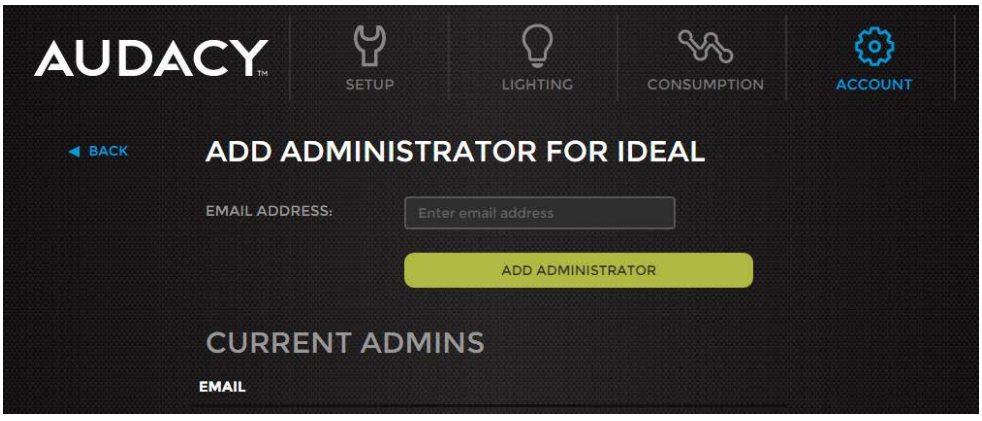
Adding an Administrator

An administrator has full access to the Audacy™ web and mobile Interface including SETUP, LIGHTING, CONSUMPTION and ACCOUNT access for all rooms and room groups.

1. Select ACCOUNT
2. Click on ADD ADMINISTRATOR



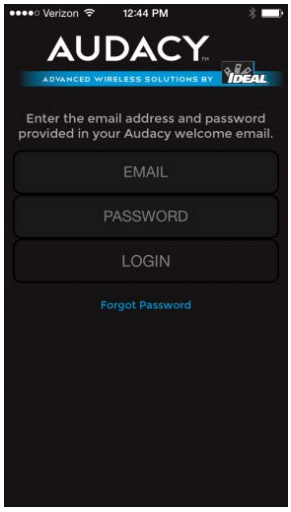
3. Fill in the e-mail address of the Administrator you would like to add
4. Select ADD ADMINISTRATOR



5.2 Mobile Interface

Login to Mobile Interface

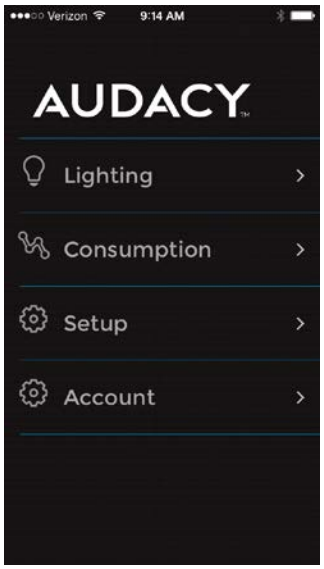
1. Download the Audacy™ mobile app from the App Store for an Apple® iOS® device, or from Google Play® for an Android® device
2. Open the app on the mobile device
3. Sign in to the Audacy™ system using the credentials provided by the Audacy™ administrator



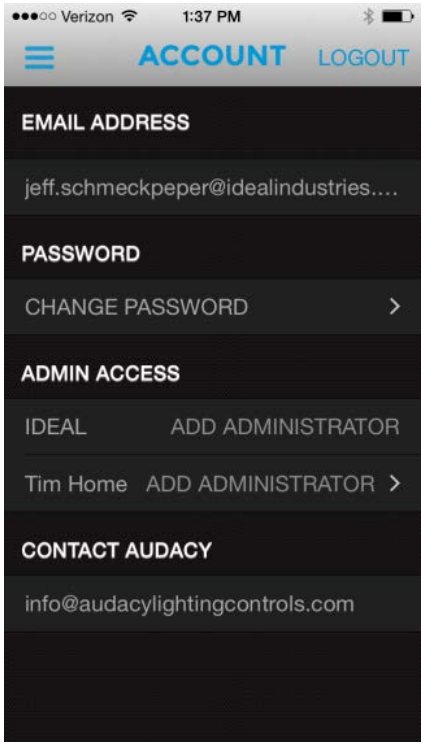
Adding an Administrator

An administrator has full access to the Audacy™ web and mobile Interface including SETUP, LIGHTING, CONSUMPTION and ACCOUNT access for all rooms and room groups.

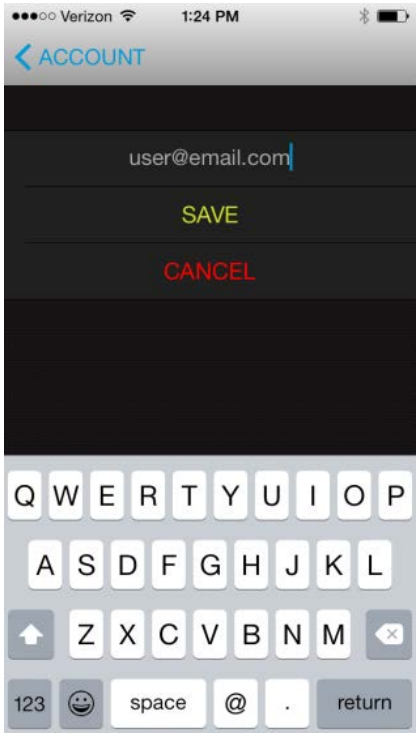
1. Select “Account”



2. Select “ADD ADMINISTRATOR”



3. Fill in the e-mail address of the Administrator you would like to add
4. Select SAVE



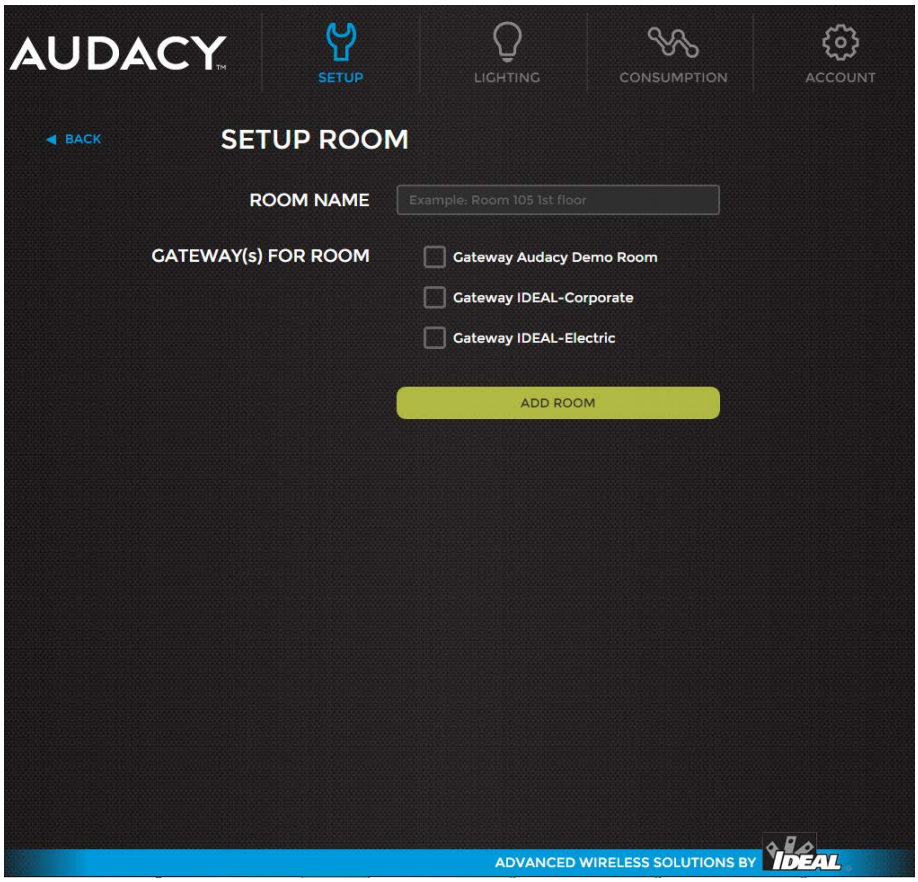
6.0 Creating Rooms and Room Groups

In the Audacy™ system, a “Room” is the lowest level to which a given space can be assigned control over a set of devices. A Room can be a physical room, or it can simply be a way to create zones within a space.

Creating a Room

1. Select “Setup”
2. Select “Setup Room”

3. Type in a unique room name
4. Select the Gateway(s) you want the room assigned to
5. Select “Add Room”



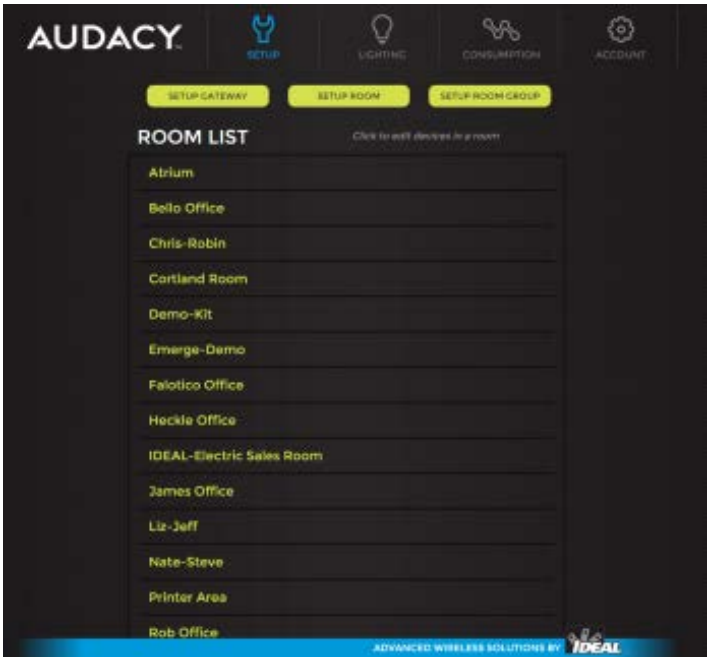
When two or more Rooms are tied together, a “Room Group” is created. While it is not necessary to create Room Groups in an Audacy™ system, controlling a Room Group allows a user to turn on or turn off more than one Room simultaneously. Greater levels of control can be found at the Room level only.

Some examples of typical Room Groups include:

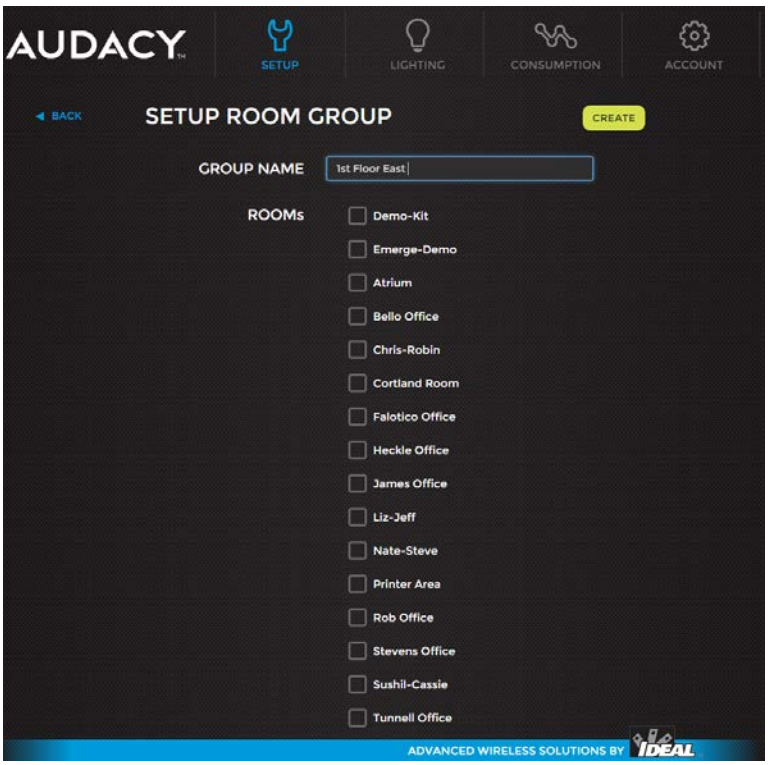
- A particular floor on a multi-story building
- Several rooms in a given portion of a building, e.g., “West side”

Creating a Room Group

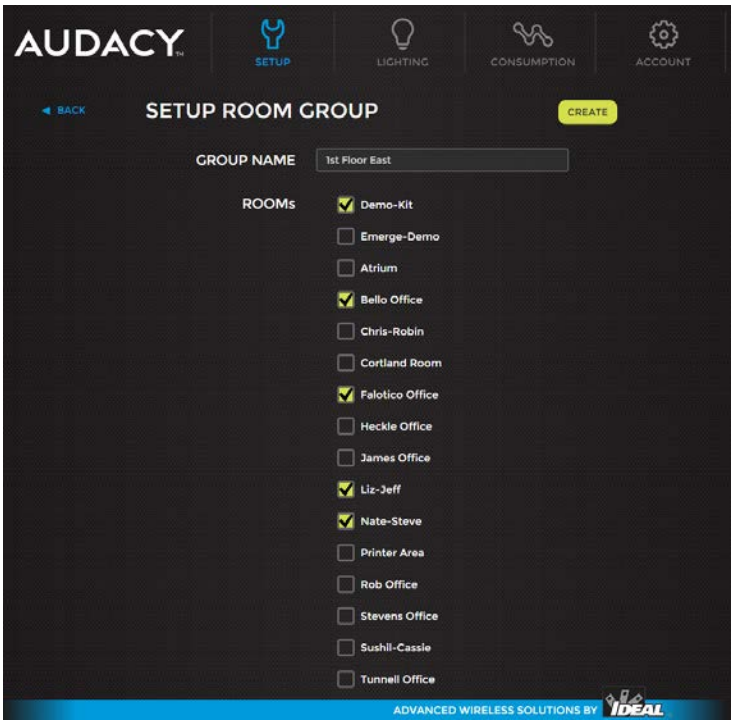
1. Login to Audacy™
2. From the Setup menu select “Setup Room Group”



3. Create a name for the room group



4. Select Rooms to include in the room group and select “Create”



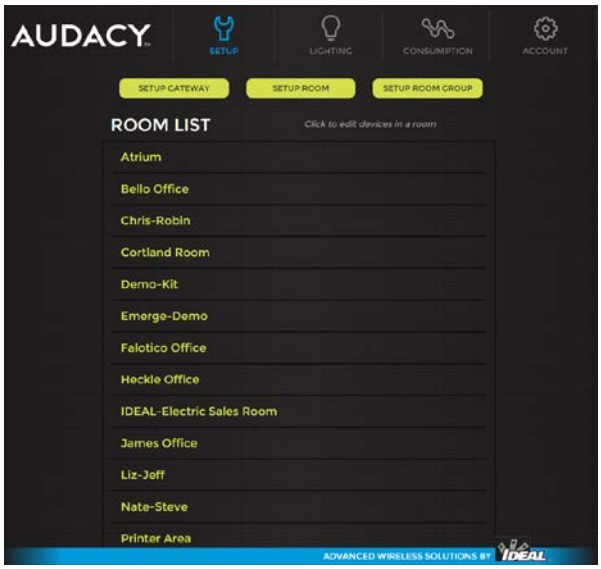
7.0 Adding Devices into the System

Devices must be added to the system and assigned to the appropriate room according to the lighting design plan. A device can be physically installed either before or after being added to the system.

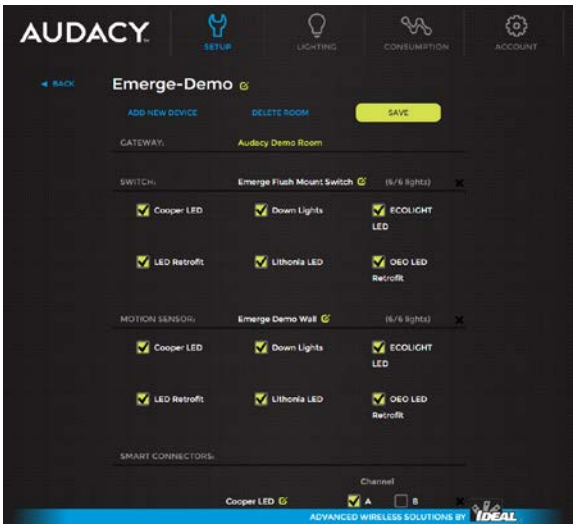
7.1 Adding devices via the Audacy™ Web Interface

1. Select Setup

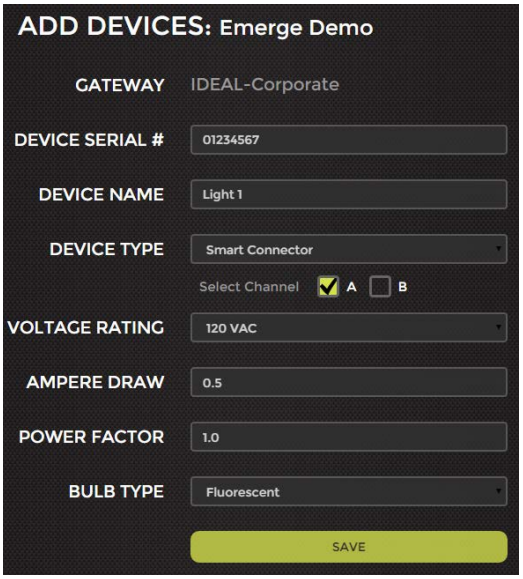
2. Select the room to add the device to from the room list



3. Select Add New Device

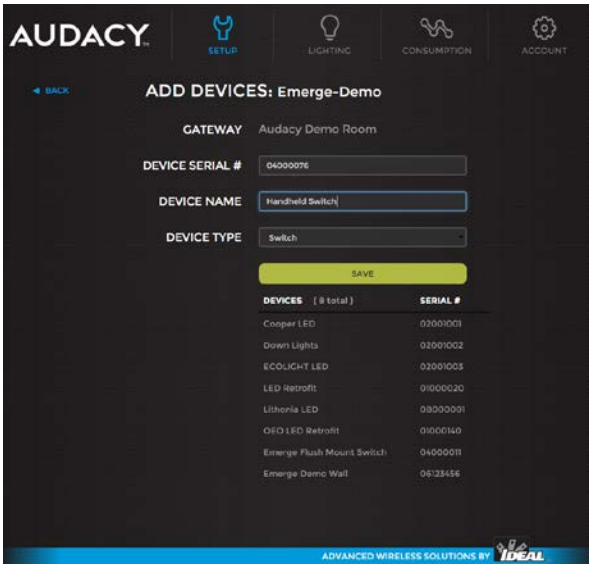


4. Input Device Serial Number
5. Give the device a name
6. Select Device Type
7. If the device is a Smart Connector you have the option to “Show advanced connector settings” to add fixture details



Device Name – You can give the device a meaningful name to make it easier to identify
Device Type – Select type of device being configured
Select Channel – Channel A should be used in most configurations; Channel B should be used if the Smart Connector is being used as a repeater or when there is more than 1 Gateway being used in the same vicinity
Voltage Rating – Set according to fixture; used to calculate consumption data
Ampere Draw – Set according to fixture; if multiple fixtures are controlled by the same Smart Connector the Amperage draw should be the total of all fixtures controlled. Used to calculate consumption data
Power Factor – Set according to fixture; used to calculate consumption data
Note: Modifying the default value of 1 is typically not needed due to the high power factor for most lighting systems
Bulb Type – Set according to fixture

8. Select Save



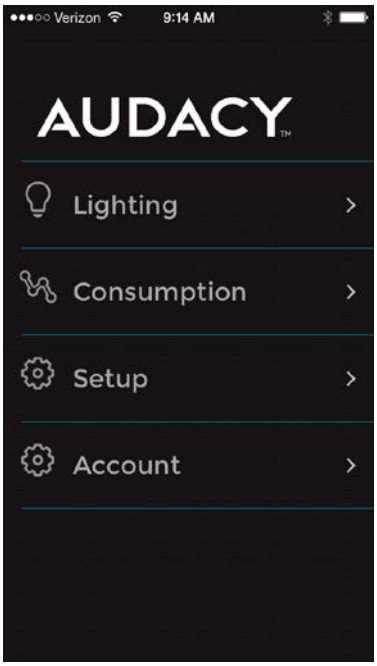
7.2 Scanning Devices via the Audacy™ Mobile App

The Audacy™ Mobile application includes a function to allow device serial numbers to be quickly populated into the Audacy system by scanning the bar code on the device.

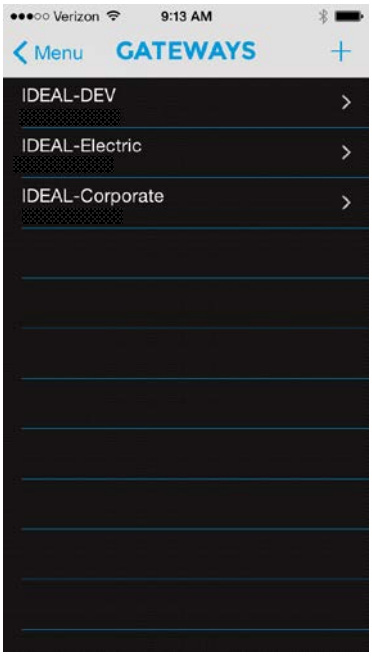
Note: Prior to scanning serial numbers, a room must be created to associate the device with. (See Section 4.6)

1. Open the Audacy™ application on your Apple® or Android® device

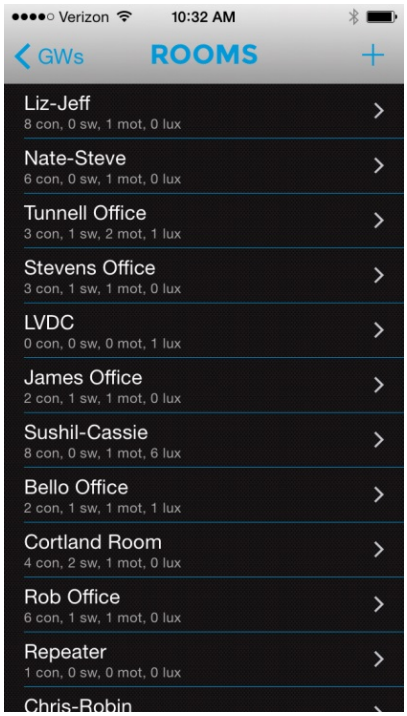
2. Select Setup



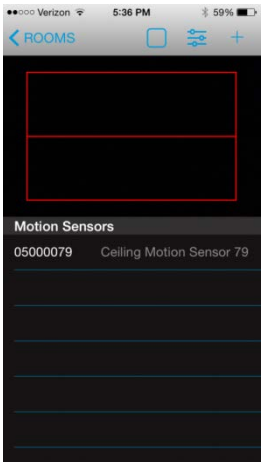
3. Select the target Gateway



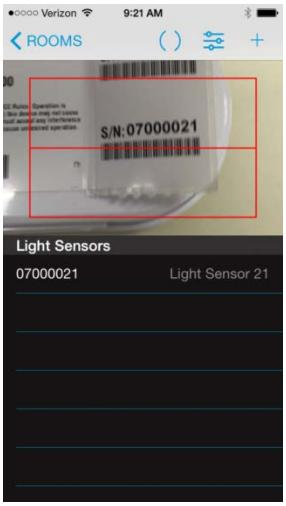
4. Select the target Room



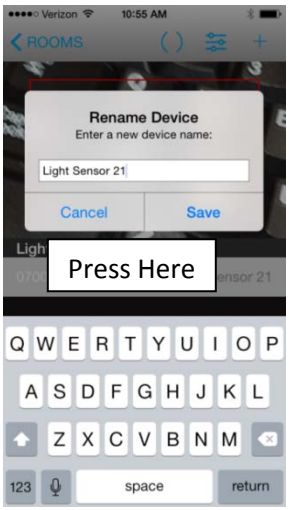
5. Press  to set the default values; these values will be applied to each device that is scanned according to its device type



6. Within the application, utilize the camera to scan in the serial number from the device you want to add to the system



7. If desired, press and hold the default device ID name in order to rename



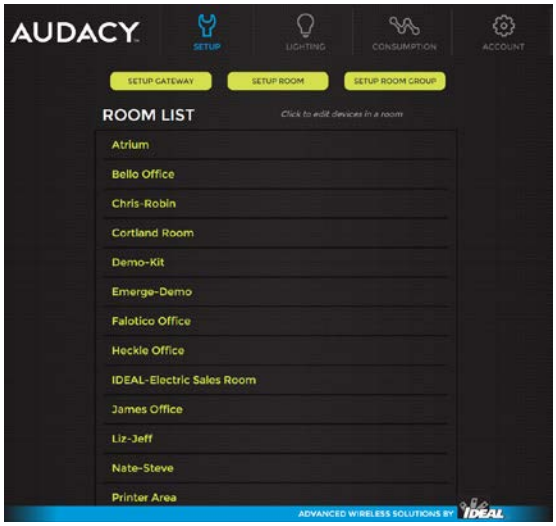
8.0 System Configuration

8.1 Associating Devices

Once all the devices are assigned to a room, the control devices such as switches, light sensor and occupancy sensor need to be associated with the Smart Connectors they will control.

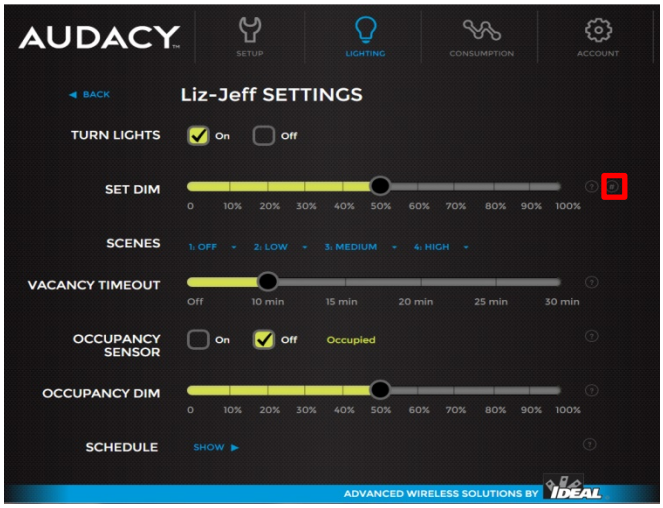
1. Select Setup

2. Select the desired room to associate devices in



3. For each control device in the room, place a checkmark next to each Smart Connector you want that device to control
4. Select Save

8.2 Adjusting Room Settings



← Set Dim

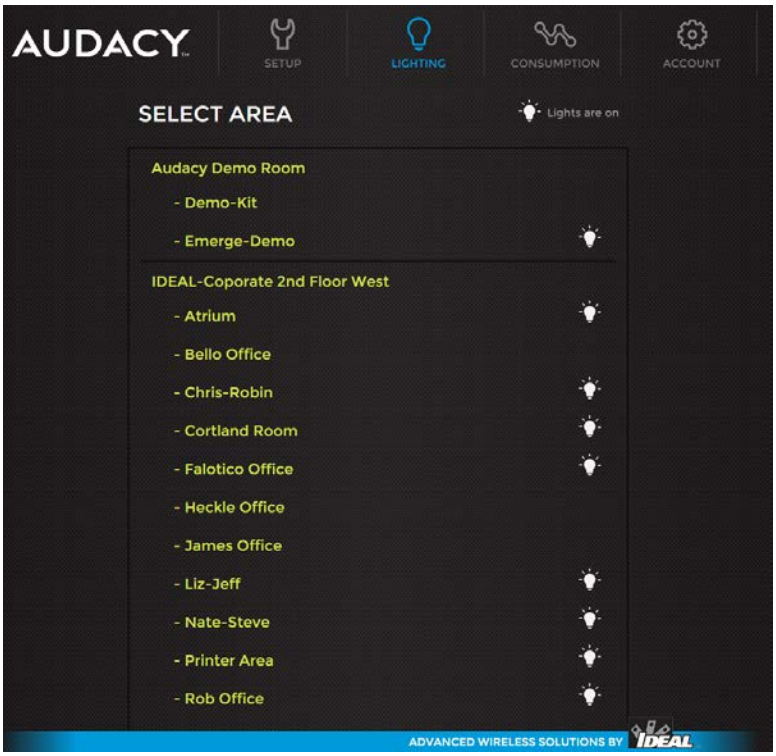
- Turn Lights ON – Lights turn on, OFF – Lights turn off
- SET DIM - Set the dim level of lights. 10% = minimum light, 100% = maximum light, Click on # to show DIM Maximum
- DIM MAXIMUM – Sets the maximum true dim level of the lights. Dim level above is scaled to this to reduce power consumption
- SCENES – Customizable settings to enable one-touch lighting changes
- VACANCY TIMEOUT – Sets the amount of time after which lights turn off when room is vacant
- OCCUPANCY SENSOR – When enabled, lights turn on once room becomes occupied. Lights turn on at 70% but Smart Switch will override this default dim level
- OCCUPANCY DIM – Set the default occupied dim level of the lights. 10% = minimum light, 100% = maximum light
- LIGHT SENSOR – Set desired light level of room including all light sources
- SCHEDULE – Sets the occupied state of the room according to a recurring weekly schedule

8.3 Configuring Scenes

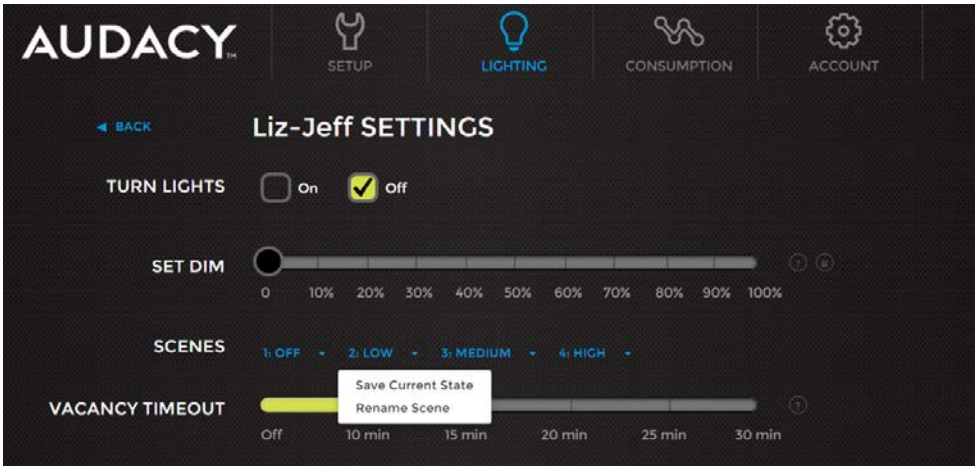
The Scenes feature provides the ability to create and easily switch between four custom lighting configurations within a room. A Scene configuration is easily created by setting the lights to the desired settings and then saving the scene.

1. Set each smart connector in the room to the desired on/off state and light level for the Scene
   Note: You may need to temporarily associate a Smart Switch with the individual Smart Connectors you want to control in order to set the desired states and light levels (see section 8.1). Once all Scenes are saved the Smart Switch is no longer needed to set the Scene and can be unassociated with the Smart Connectors if no longer needed.

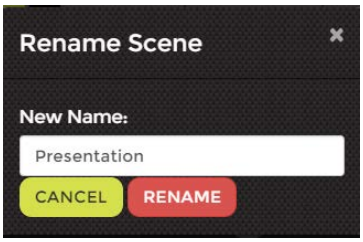
2. From the Lighting menu, select the room to which a scene will be saved



3. Select the dropdown arrow next to the scene number you want to save and then select “Save Current State”
4. To rename the Scene, select the dropdown arrow next to the scene number you want to rename and select “Rename Scene”



5. Type in the desired name and select Rename



8.4 Setting Up Schedules

Automatic schedules can be set up to turn off lights according to a certain time of day, day of the week, or particular date. The schedule for a given Room determines the occupied state of the room (e.g., Occupied or Unoccupied).

Occupied

- Lights must be turned on manually; they do not turn on automatically at the start of the Occupied scheduled time
- Vacancy timeouts are ignored and lights that are manually turned on during the Occupied time will stay on until they are manually turned off
- If lights are on at the time the schedule reaches the Unoccupied time, the Audacy™ system will provide a 60-second flash as a warning that the lights will be turning off in 60 seconds

Unoccupied

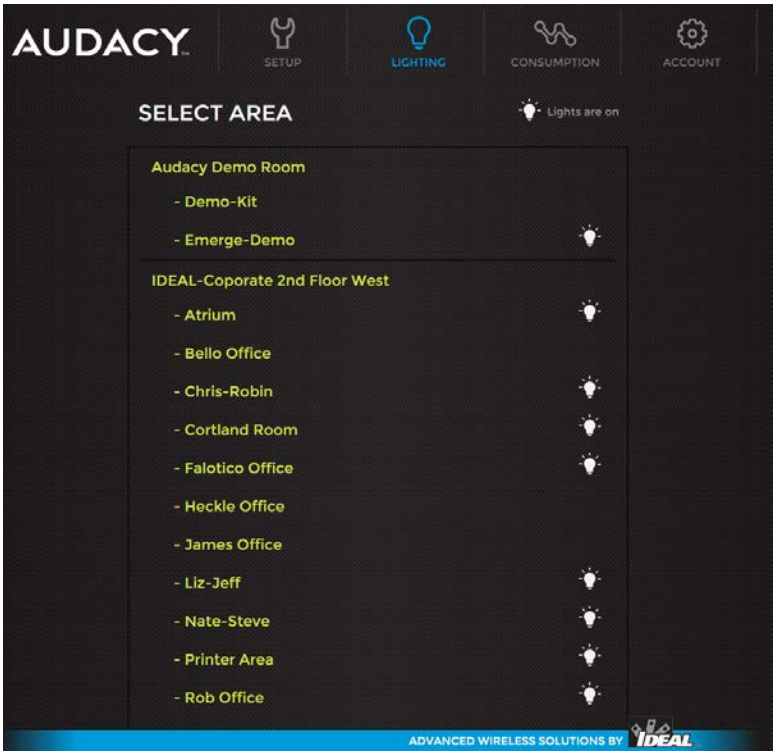
- Any lights that are turned on manually will stay on for the duration set by the Vacancy Timeout before automatically turning off once again
    - The Audacy™ system will provide a 60-second flash as a warning that the lights will be turning off in 60 seconds

Note: Most spaces typically use either motion sensors or scheduling. If a space is using both motion sensors and scheduling, then:

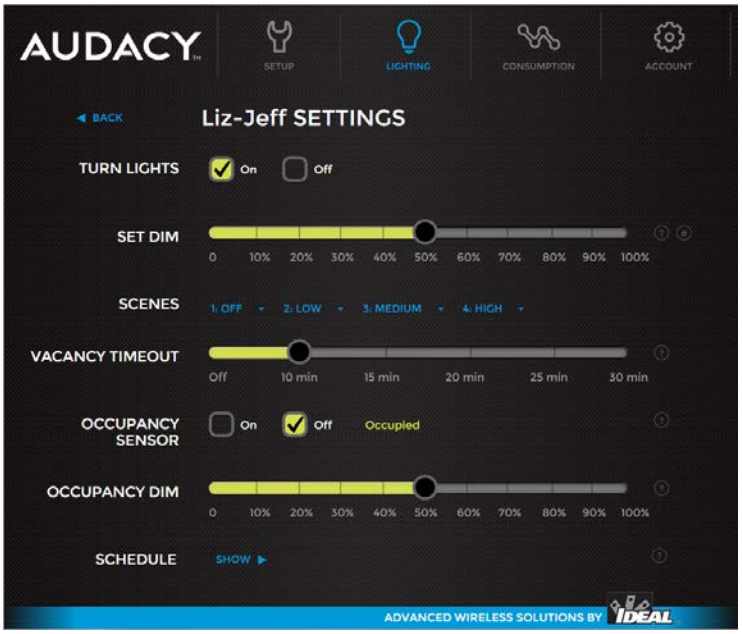
- During Occupied scheduled times, motion sensors will automatically turn on lights upon motion detection but will not turn them off if the space becomes vacant until after the Unoccupied portion of the schedule has been reached
- During Unoccupied scheduled times, motion sensors will automatically turn on lights upon motion detection but will automatically turn off after reaching the room vacancy timeout period, regardless of whether the space is occupied

Creating a Schedule for a Given Room:

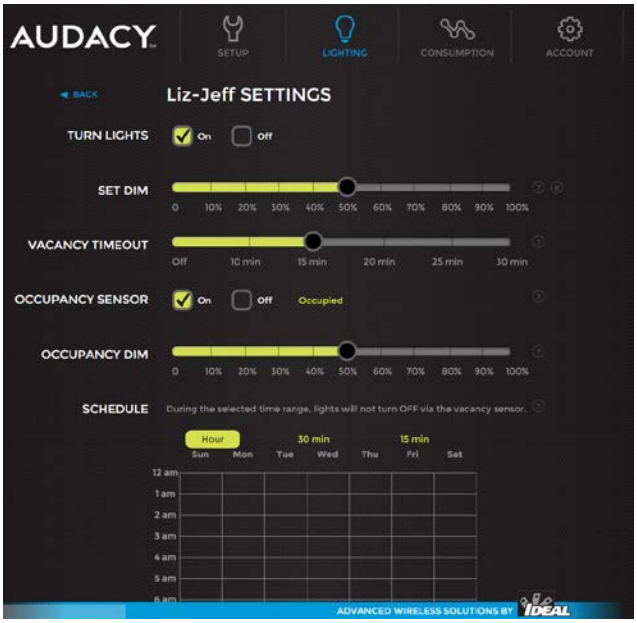
1. From the Lighting menu, select the room to which a schedule will be added



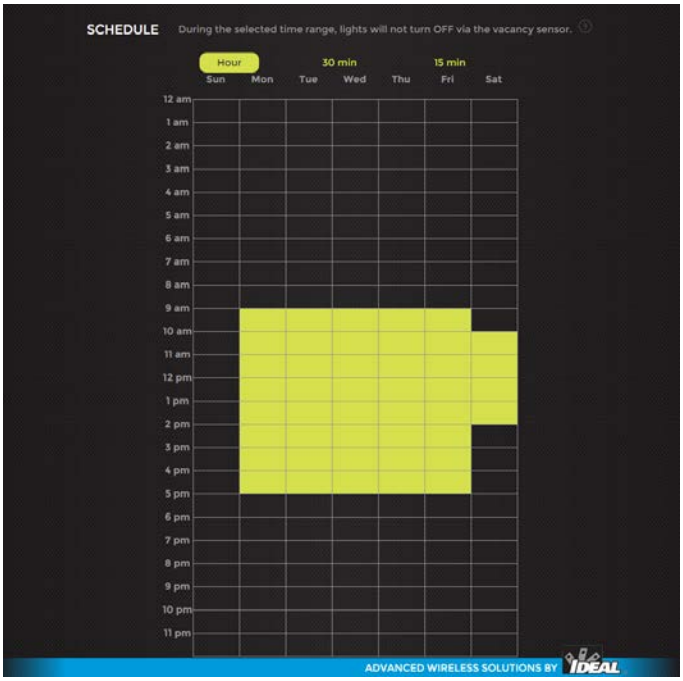
2. Click on “Show” next to SCHEDULE



3. Select from Hour, 30 min or 15 min time blocks



4. Click or Click and drag to Select the blocks of time for which the space is to be designated as "Occupied"
5. Click again to deselect

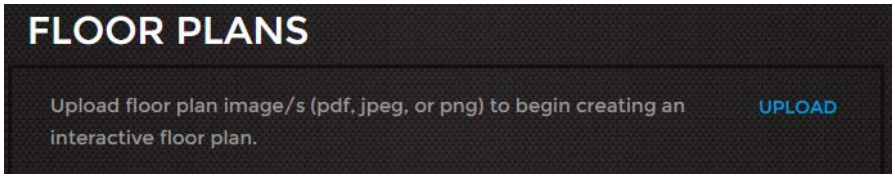


8.5 Uploading Floor Plans

Uploading a floor plan image is the first step to enable an interactive floor plan. The floor plan can be in PDF, JPEG, or PNG format.

1. Select Setup

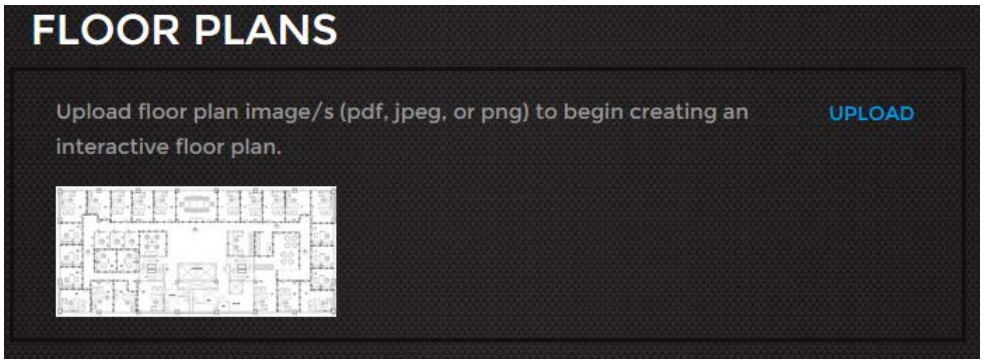
2. Scroll down the page to FLOOR PLANS and Click on Upload



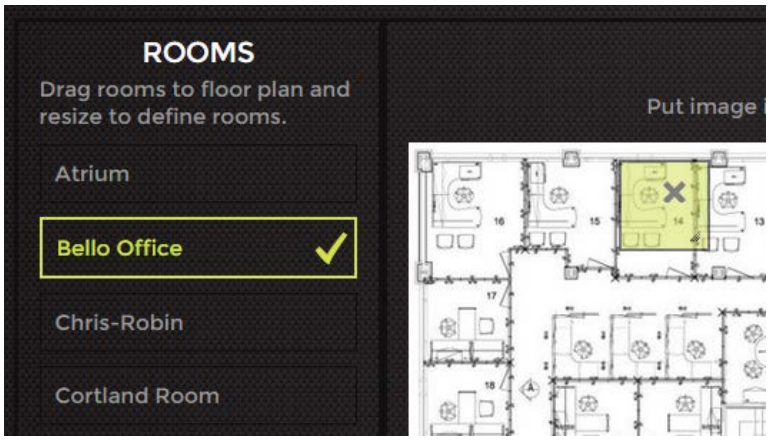
3. Select the file of the image of your floor plan and select **Open**

8.6 Assigning Rooms to Floor Plans

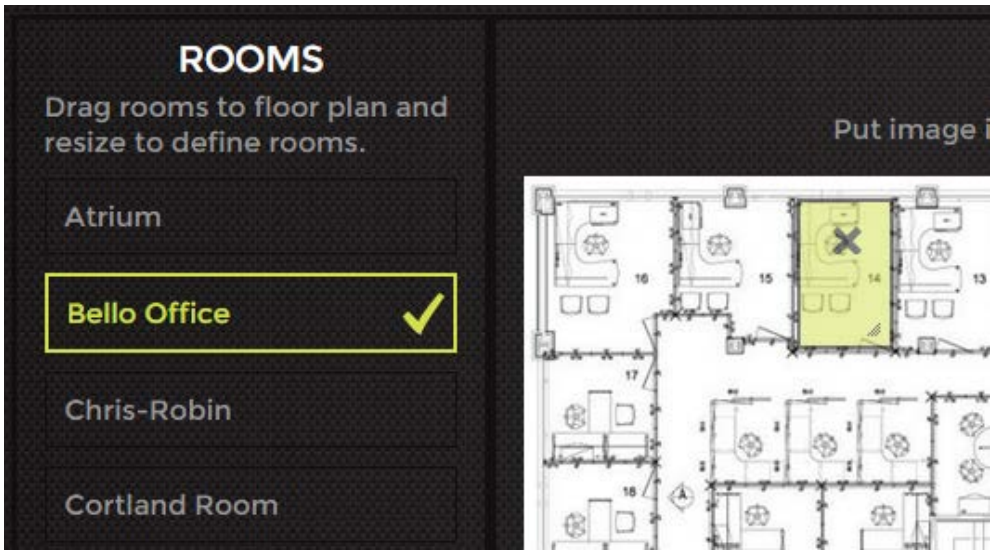
1. Click on the newly uploaded image within the FLOOR PLANS box in the SETUP menu



2. All defined rooms will be listed on the left hand side of the screen. Click on a room and drag it to the appropriate location on the floor plan.



3. Once it is in the proper location you can click on an edge or corner of the room to size it appropriately



4. Repeat until all rooms have been added to the floor plan
5. To edit a room click on the room and move it or resize it
6. To remove a room from the floor plan click on the room and then click the “X”
7. To Delete the entire floor plan select DELETE in the upper right hand corner

9.0 Tying in to Building Automation Systems

The Audacy™ lighting control system can be tied into a Building Automation System if desired. The Gateway can Interface with a wide range of BAS protocols including BACnet®/IP, BACnet®/MSTP, Modbus TCP, Metasys® N2, Modbus RTU and LonWorks®. For specific requirements please call AUDACY™ Customer Service at 800-273-9989 for assistance with integrating AUDACY™ with your BAS.

10.0 System Operation

10.1 Controlling Lights

10.1.1 Within the Space

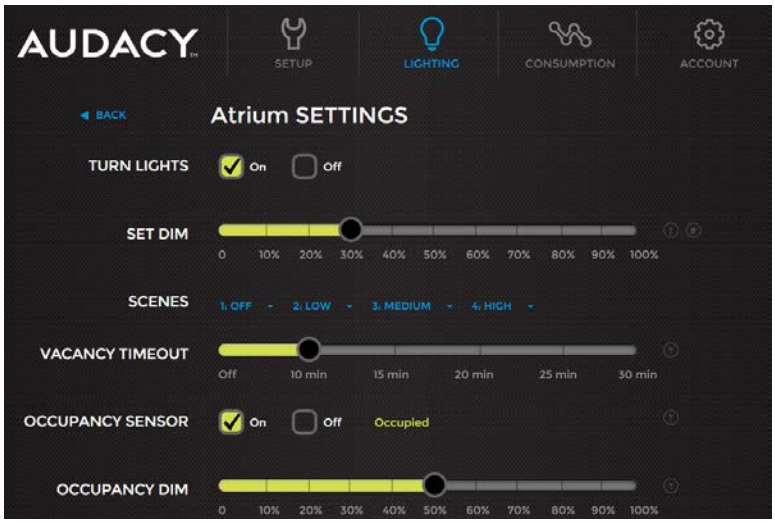
Press the up or down arrow to adjust the brightness or the ON or OFF button to control the the light fixtures assigned to it. Pressing the down arrow while the lights are off will turn the lights on at the lowest DIM setting.

The Audacy™ WMS1200 Flush-Mount Switch
Battery-operated flush-mounted switches fit into decorator style faceplates and can be used to replace an existing switch when upgrading a space to include Audacy™ controls.

The Audacy™ SS1200 Smart Switch
Battery-operated device specially designed to allow building occupants to turn on, turn off or dim light fixtures assigned to it.

10.1.2 From the Audacy™ Interface

You can also control your light fixtures from a computer, tablet or smart phone using the Audacy™ Interface. The Audacy™ Interface enables control of turning light fixtures ON/OFF setting the DIM level or selecting a customizable SCENE.



11.0 Consumption Reports

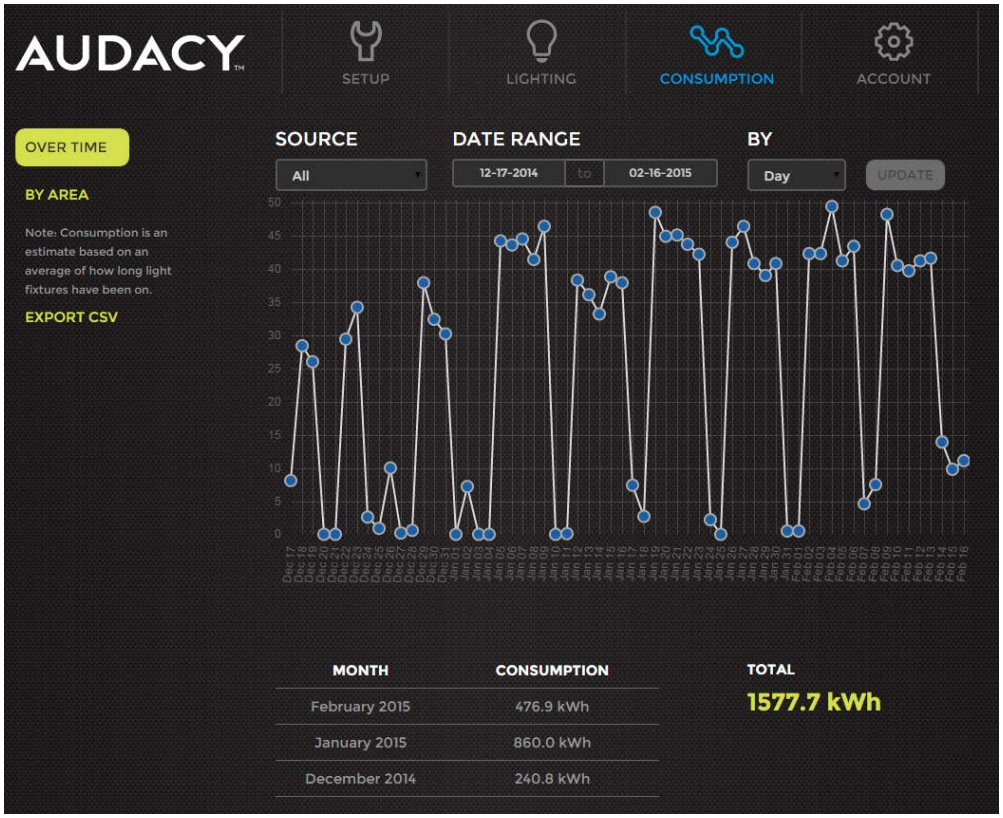
Energy consumption is calculated using the data you provide during Smart Connector configuration.

Select CONSUMPTION from the main Audacy™ menu. There are multiple options available to utilize the consumption data.

11.1 Over Time

This report allows you to view a historical record of consumption that can be broken down to a specific date range, room and time period.

Note: You must select UPDATE to refresh the graph after the desired data is selected.



SOURCE – Choose to view the consumption of all rooms or select a specific room to view

DATE RANGE- Select a start and an end date to view the consumption data between those dates

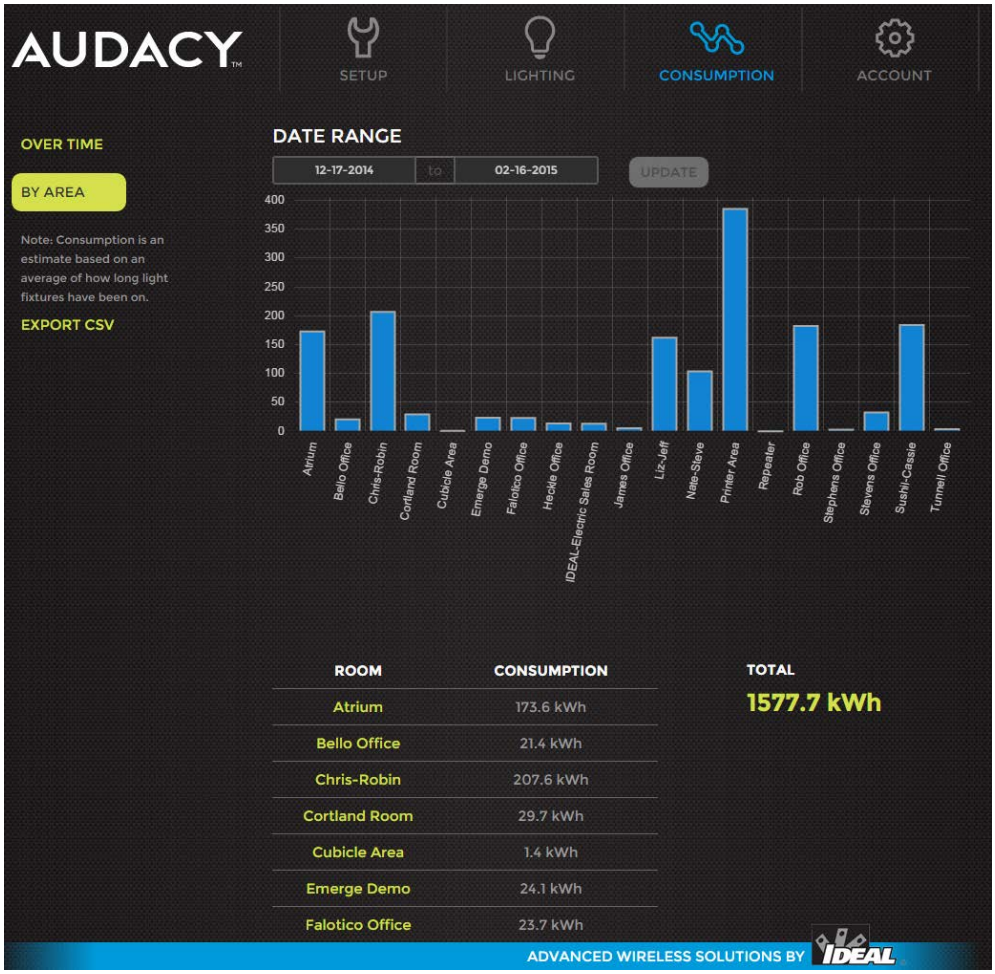
BY - Select the time period each data point on the graph will represent: Day, Week or Month

Note: Power Consumption is an estimated value that is calculated based on the duration the light fixtures are on, dim levels set and the values input for voltage, power factor and Ampere draw of ballast or LED driver as defined while adding devices to the system (see section 7.0).

11.2 By Area

This report allows you to view a historical record of consumption that can be broken down by location over a specific date range.

Note: You must select UPDATE to refresh the graph after the desired date range is selected.



11.3 Exporting Consumption Data

Selecting EXPORT CSV on the left hand side of the screen will download a CSV file for the selected Date Range containing the Date, Room Name, and associated Watt Hours.

12.0 Glossary

Proxy Software – an application designed to provide a secure method in acting as an intermediary for requests from clients seeking resources from other servers

BAS – Building Automation System

LAN – Local Area Network

13.0 Appendix A – Device Layout Record

Room	Location	Audacy™ Device Type	Serial Number
			Attach Label
			Attach Label
			Attach Label
			Attach Label
			Attach Label
			Attach Label
			Attach Label
			Attach Label

Duplicate as needed