INTERMATIC®

Introduction

The guide provides an example of the steps required for initial setup of an ARISTA® system. It starts with downloading the ARISTA app from the App Store or Google Play Store.

Before starting, take a few minutes to review the organization of the ARISTA app. Get a feel for the flow of the screens.

Project Site Location	Job Location	
Area Site Divisions Provisioning	Office Floor	
Space Floor to Ceiling Partitions	Room 1	
Zone Add Products	Lights	

Adjust Default Settings
Add Schedule

Outputs	Inputs	Config	Schedule
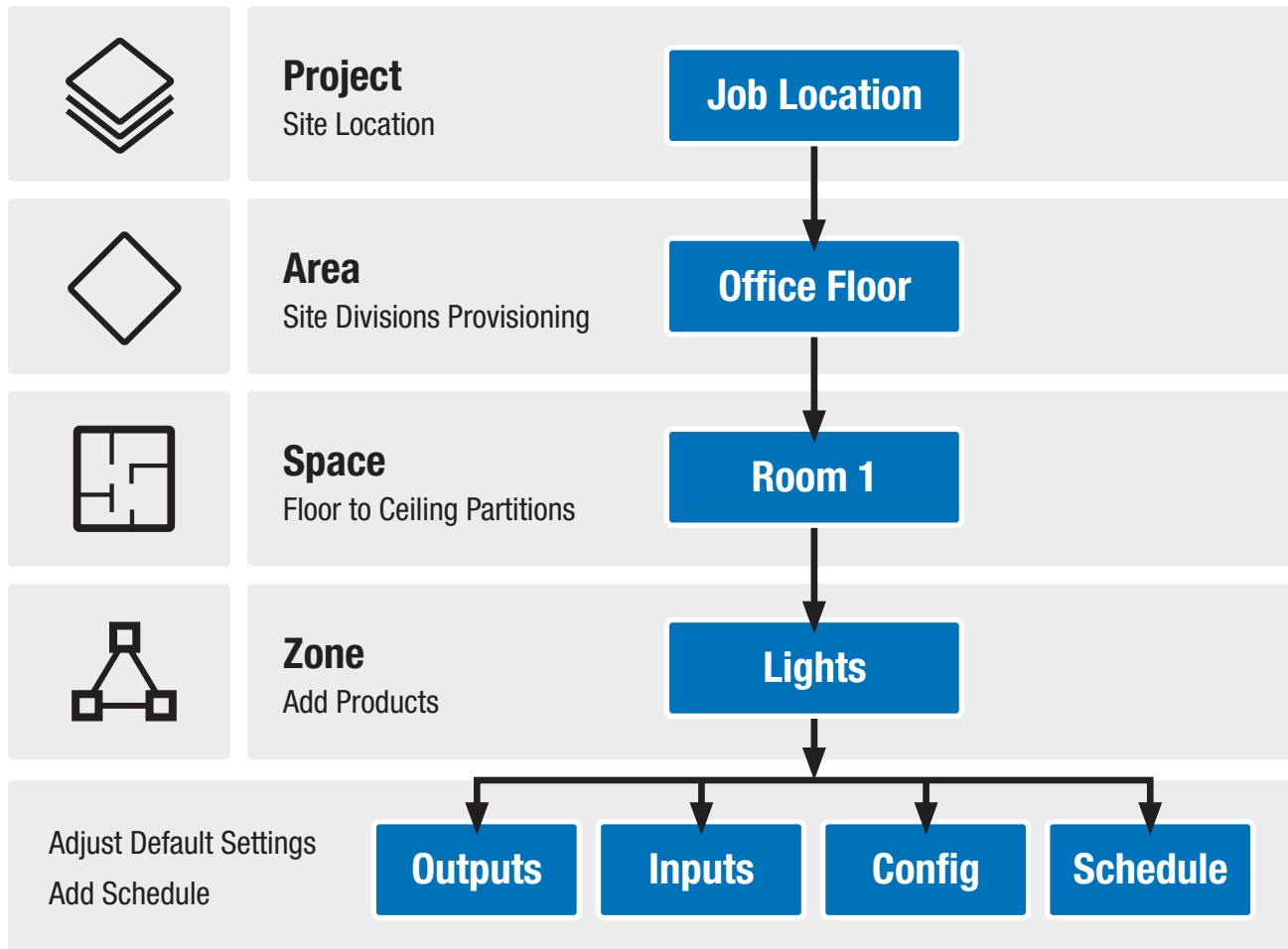
Outputs	Inputs	Zone Configuration	Schedule
ALC1-R	Occupancy Sensors	Zone Setting	Zone Action Times
ALC2-R	In-Wall Dimmer	Occupancy	
ALC4-R	Daylight Harvester	Vacancy	
	3rd Party Switch	Dim Levels	

Minimum Steps Required

1. Create Account
2. Create Project
3. Create an Area
4. Create a Space
5. Create a Zone
6. Add an Output
7. Add an Input (If required)

Account	Project	Area	Space
Zone	Output	Input	Devices
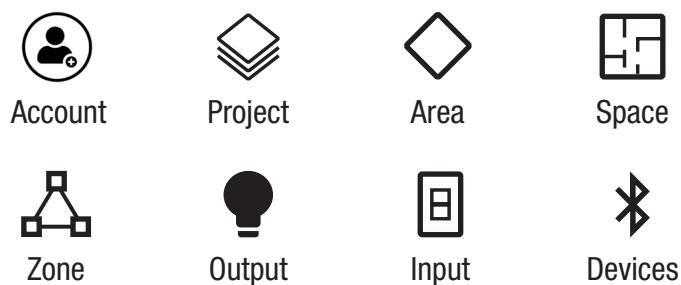
Planning

Review the job and create a list of the spaces for installation of ARISTA. Use a unique name for each space. A glossary is included at the end to assist with terms. For larger projects, contact Intermatic to assist with layout and placement guidelines. **Technical Support: 1 (815) 675-7000**

1	1	1	1	1

Minimum Project Requirements:

1 - Project
1 - Area
1 - Space
1 - Zone
1 - Output

7	30	10	6	15	255	1785

Maximum Project Capabilities:

7 - Areas
30 - Spaces per Area
10 - Zones per Space
6 - Outputs per Zone
15 - Inputs per Zone
255 - Devices per Area
1785 - Devices per Project

Getting Started

Part 1 – Create an Account

1. Download the ARISTA app (available via The App Store and Google Play)
2. Tap the **CREATE ACCOUNT** button
3. Enter a valid email address and password
4. Check the box to agree to the ARISTA privacy policy
5. Tap the **CONTINUE** button (a verification code will be sent to the email address entered above)
6. Retrieve the verification code sent via email and enter it in the space provided
7. Tap the **VERIFY ACCOUNT** button to finish the account creation process

Part 2 – Create a Project

1. Open the ARISTA app on your mobile device.
2. From the home screen, tap the **+** symbol in the upper-right corner to create a new Project
3. Enter project details and tap **SAVE**
4. The newly created project will now display on the home screen
5. To open the project, tap on the **project name** via the ARISTA app

Following the below steps will walk you through creating a Project, an Area, and then adding one "Space" at a time to allow for the full project to be created easily as you go.

1. 👆 Tap on **Project** to begin

2. 👆 Tap "**+**" to create an Area

3. 👆 Tap **Area Name** box

4. Name AREA

5. 👆 Tap **SAVE**

6. 👆 Tap on newly created **Area**
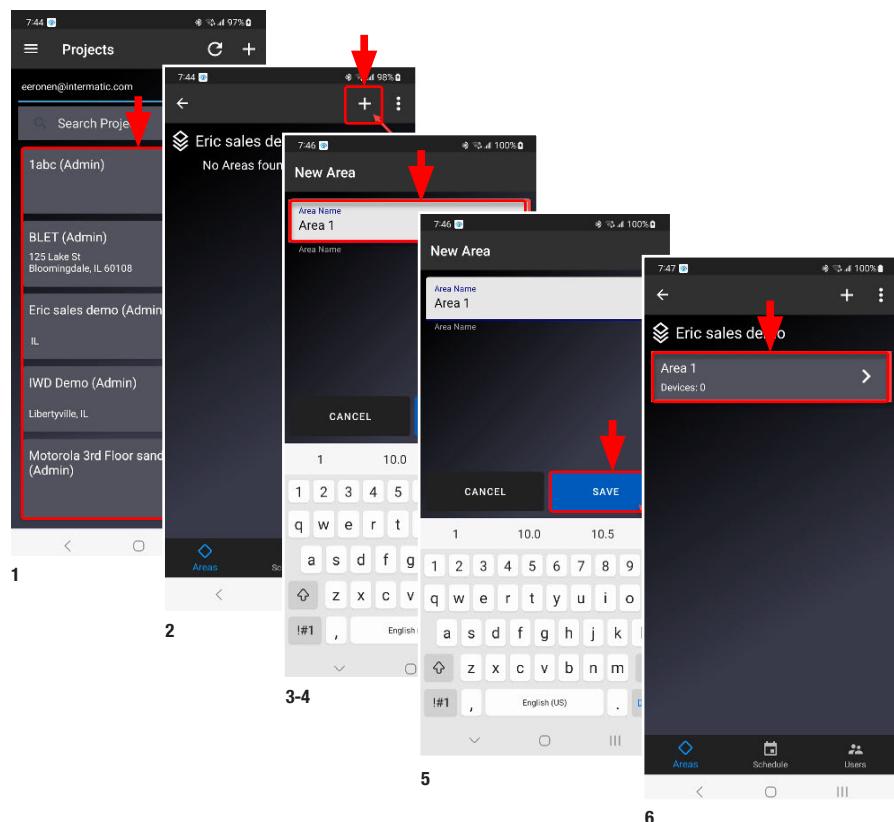
7. 👆 Tap "**+**" to start Scanning Process

8. 👆 Tap **SCAN** to start scanning

9. Wait for **WINK** messages to appear

10. 👆 Tap **STOP** this will sort the devices based upon signal strength
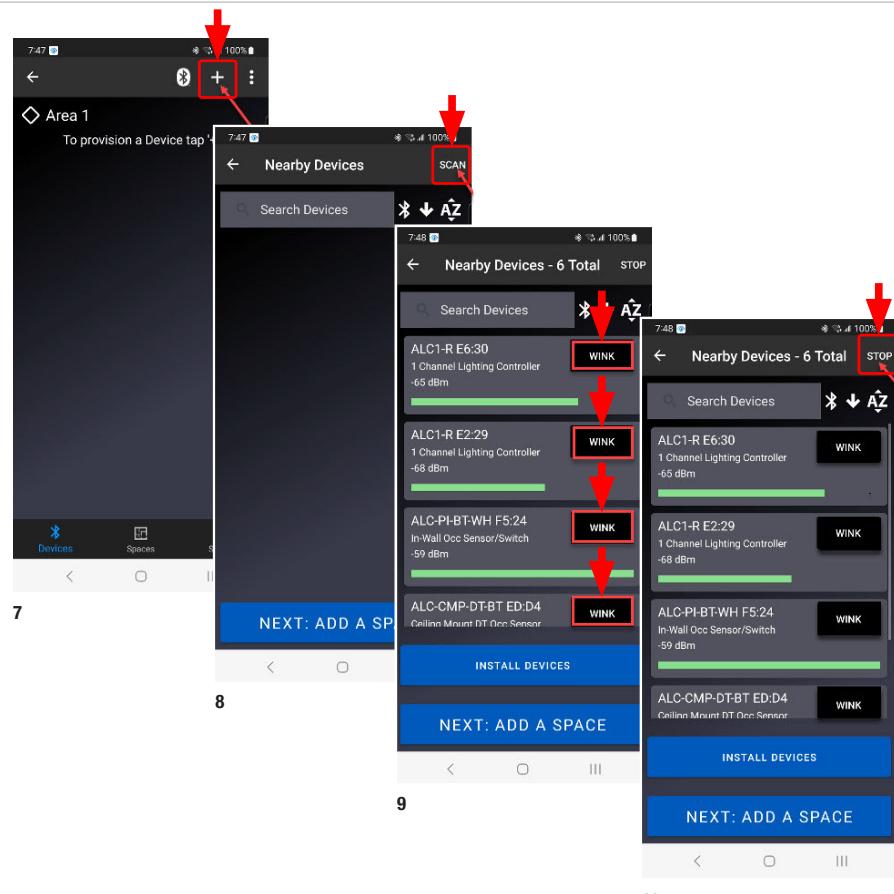
11. 👆 Tap a device to highlight it

12. 👆 Tap **WINK** to identify

13. Repeat steps 11 and 12 until all devices in the space are identified

14. 👆 Tap **INSTALL DEVICES**

15. 👆 Tap **INSTALL**

16. 👆 Tap **DONE**
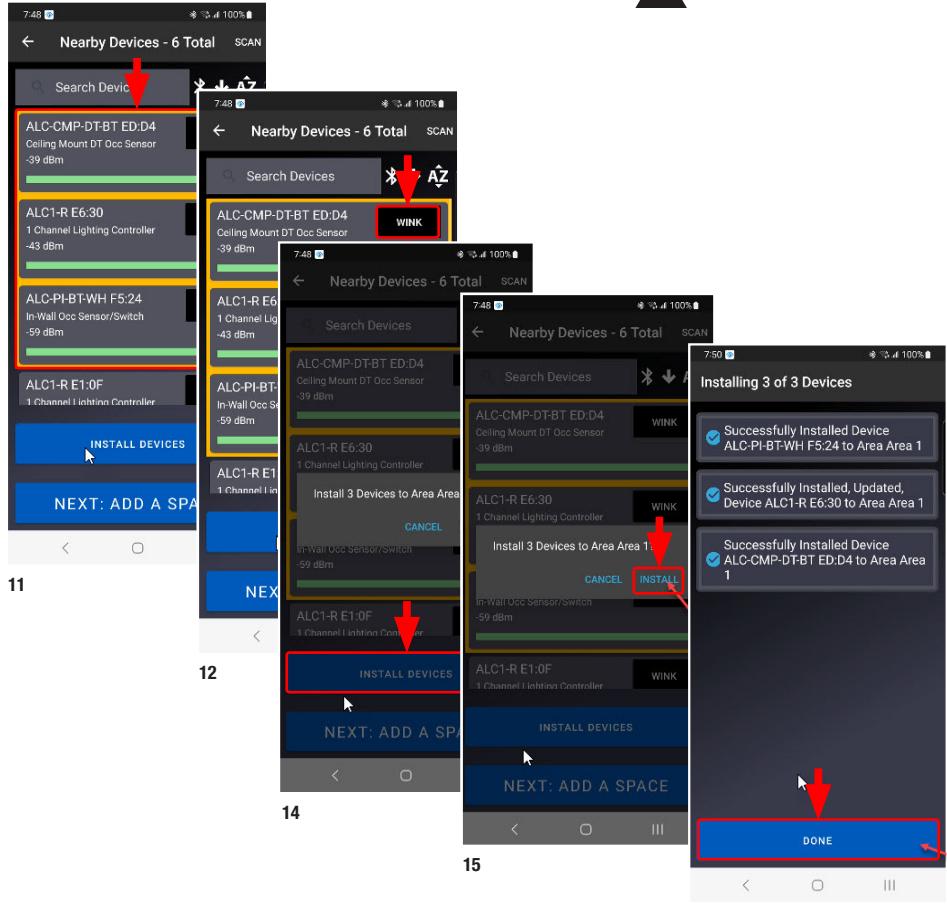
17. 👆 Tap **NEXT: ADD A SPACE**

18. 👆 Tap **GO**

19. 👆 Tap **Devices** Icon on lower left

20. The devices you just added will appear at the top of the list
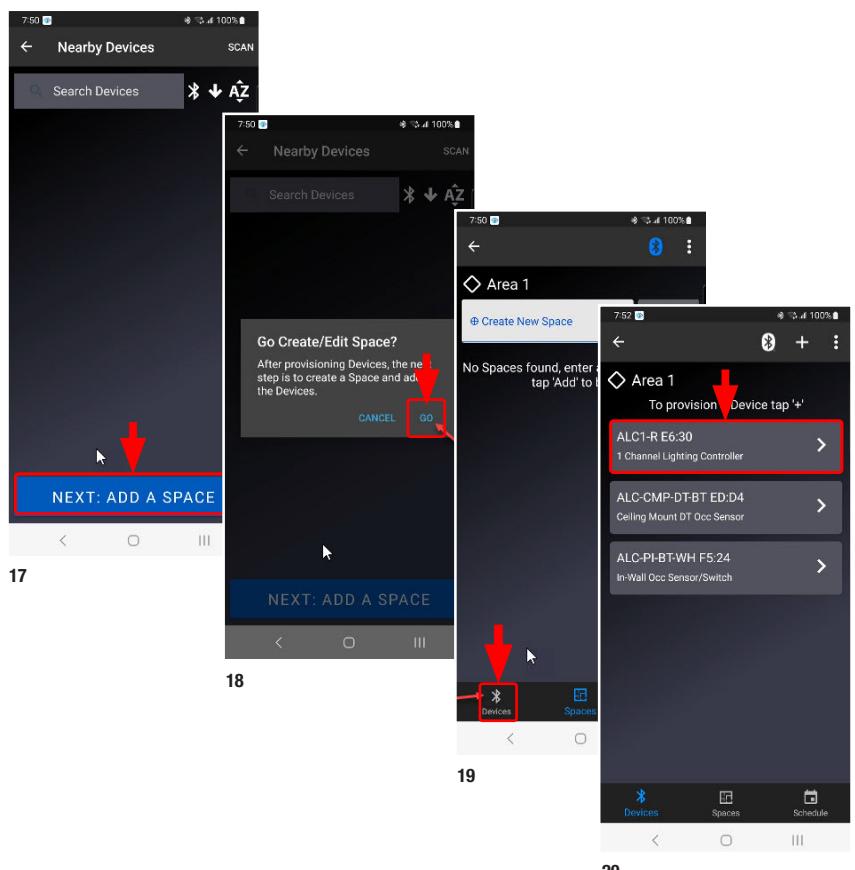
21. 👆 Tap the **top Device**

22. 👆 Tap the **Name Box**

23. ADD appropriate unique space name before the name of the device

24. 👆 Tap **SAVE**
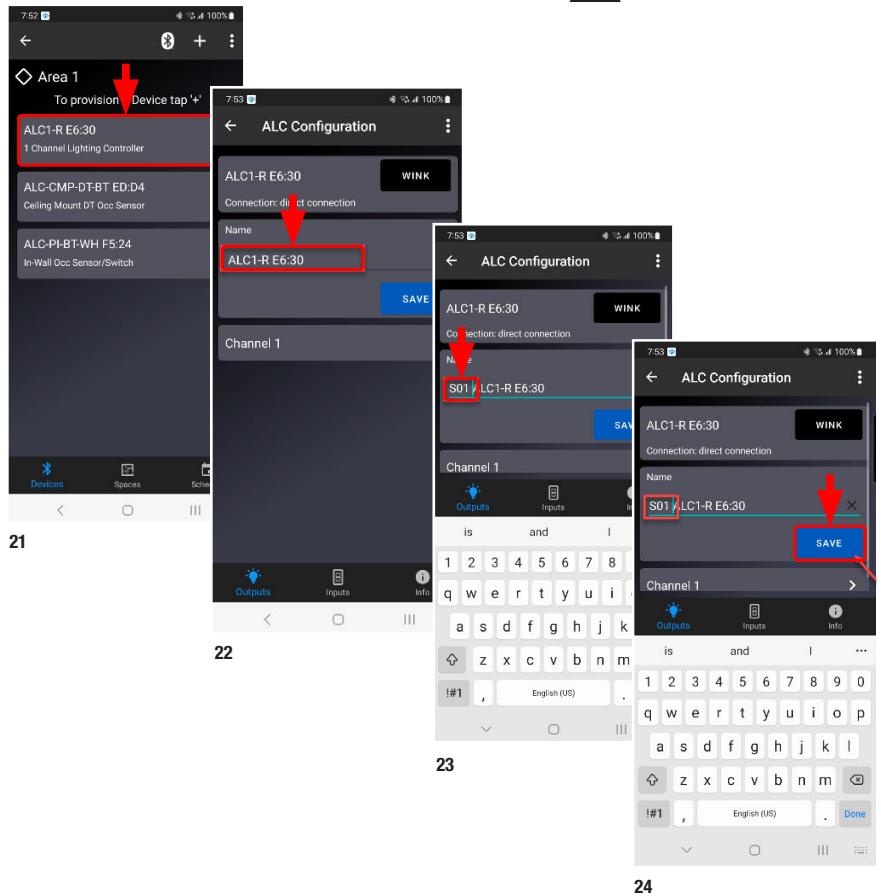
25. Configure the rest of the device settings for the SPACE, 👆 Tap **Send Settings**

    a.) For Controllers, tap on the individual channel to make adjustments needed for Function (Plug Load, Lighting), Light Type (0-10, 1-10 V), Power-On Action (Restore, ON, OFF)

    b.) For Inputs, make all sensitivity, timing adjustments, Enable or Disable Walk-through mode, and all other settings that are required for the space

26. 👆 Tap **SEND SETTINGS**

27. 👆 Tap **Back** to the Device List, repeat Steps 20-25 until all devices are properly configured for the space

28. 👆 Tap [⊞] **Spaces** Icon on Bottom
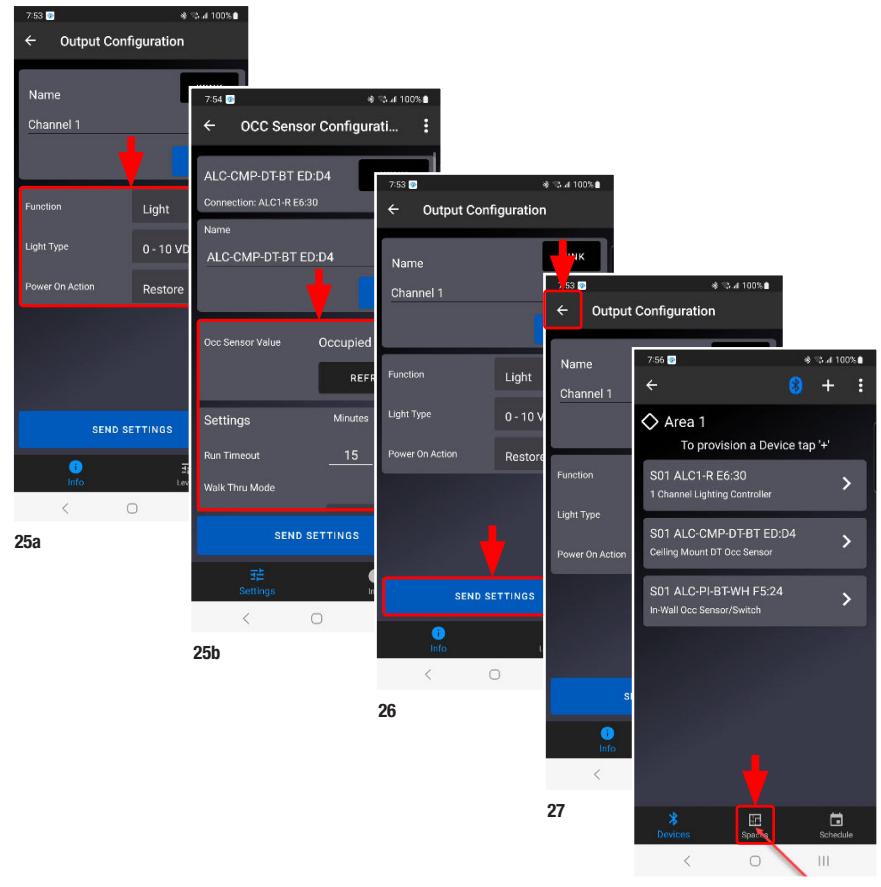
29. 👆 Tap **Create New Space**, Type in New Space Name, 👆 tap **ADD**

30. 👆 Tap newly created **Space**

31. 👆 Tap ⟁ **Zone** Icon

32. 👆 Tap **Create New Zone**

33. Enter in new **Zone Name**, 👆 Tap **ADD**

29

30

31
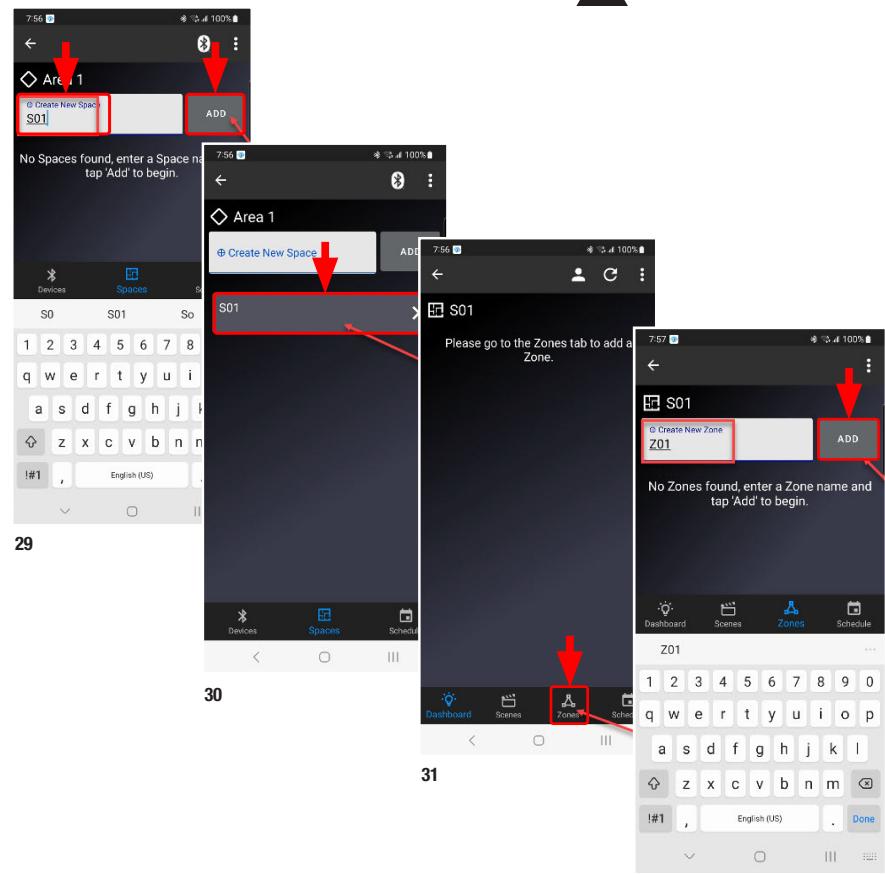
32-33

34. 👆 Tap newly created **Zone**

35. 👆 Tap "**+**" to add Output(s)

36. Select proper Output(s), 👆 Tap **Save**, 👆 Tap **Ready**, 👆 Tap **OK**

37. 👆 Tap ⊞ **Inputs** Icon on bottom

34

35

36
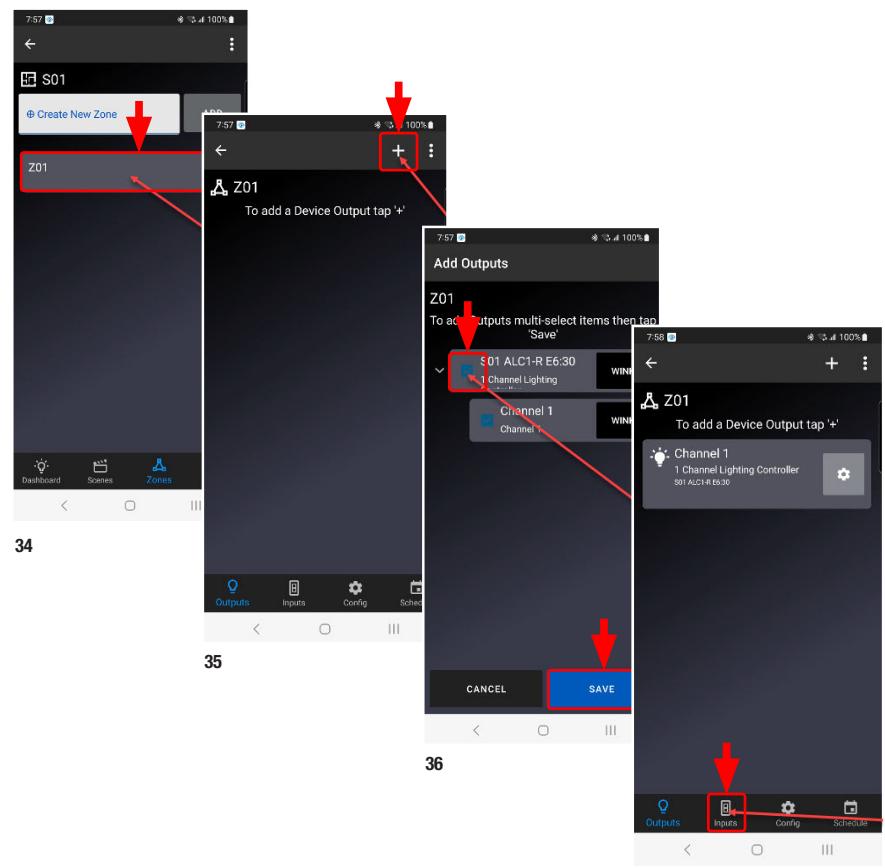
37

Setup is Complete for Occupancy (Automatic ON)

38. 🖐 Tap "**+**" to add Input(s)

39. Select proper Input(s), 🖐 Tap **Save**, 🖐 Tap **Ready**, 🖐 Tap **OK**

40. 🖐 Tap **Config** Icon

41. Adjust Mode, Levels (If needed), 🖐 Tap **SEND SETTINGS**, 🖐 Tap **OK**

38

39

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41
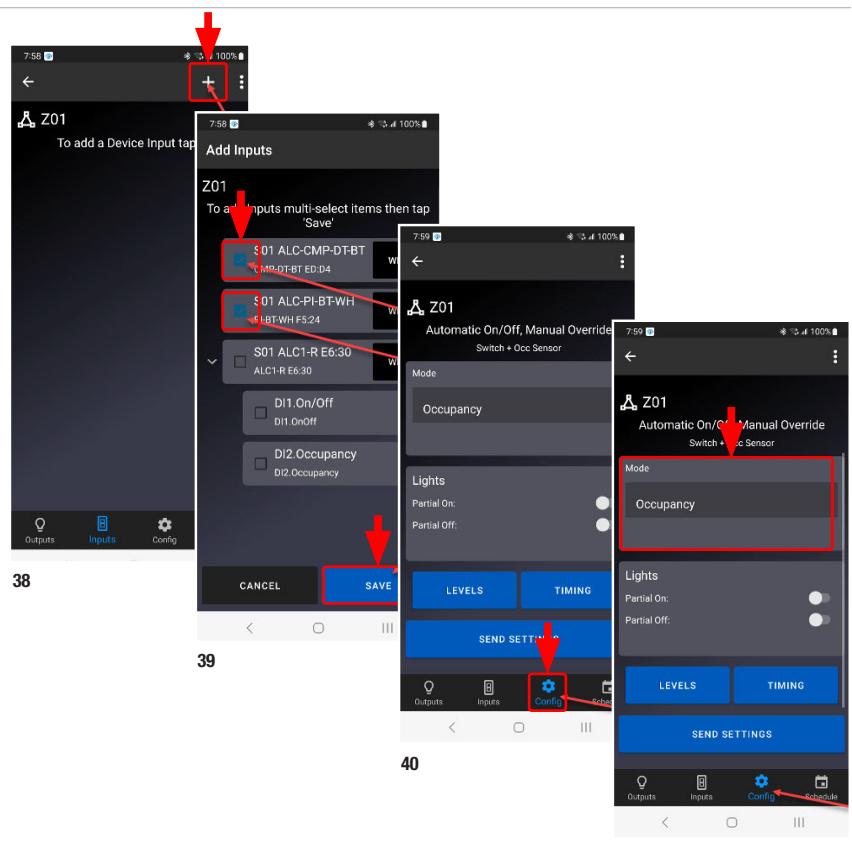
42. 🖐 Tap **back arrow** 2 times to get back to Device List

43. 🖐 Tap ⁎ **Devices** Icon on bottom

44. Repeat from step 7 for next SPACE

42a

42b

43
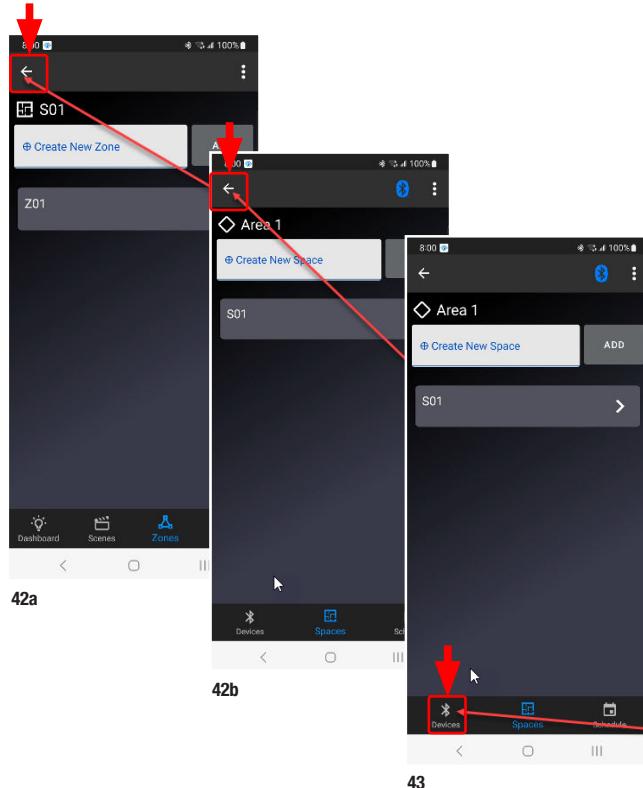
Glossary of Terms

Analog Input: An input that monitors the presence of voltage and the variations of voltage. For ARISTA this is monitoring input for 0 to 10 volts.

Area: The portion of the project that you will be working on, as an example an office building may have multiple floors, each floor would be considered an AREA. Devices are provisioned into an Area. Once a device has been provisioned to an Area, it cannot be provisioned to any other Areas.

Auto Fade Time: Time from operating light level to OFF upon Automatic deactivation.

Auto Ramp Time: Time from Off to selected light level.

Blink Warning: Controller relay flashes the lighting load as a warning minutes before turning off.

Bluetooth Defines Three Levels
- **Run Level:** The maximum level the fixtures will reach upon full activation. Also known as the upper trim level.
- **Partial Level:** A middle level used to meet code requirement for Partial ON requirements.
- **Standby Level:** Typically used for an OFF. Typical level is 0%. May set a minimum light level.

Config: Options for settings in the Zone dependent on devices added to the Zone.

Daylight Harvesting
- **Closed Loop System:** A sensor is placed to read both natural daylight and electric lighting. The light level will be adjusted automatically to meet a target footcandle level in a zone.
- **Open Loop:** A sensor is placed to only read natural daylight. This input is used to adjust artificial light levels in a zone.

Digital Input: An input that monitors the presence of voltage or the removal of voltage. For ARISTA this is monitoring 24 volts.

Dual Technology: A sensor that combines passive infrared (PIR) and ultrasonic (US) technologies to help avoid false triggering while increasing presence detection.

Function: The ARISTA controllers can be used for both lighting control and plug load control. Default setting is Lighting Control which allows for full range dimming, while plug load control turns the dimming portion off and allows for standard ON/OFF operation of the load(s).

Grace Period: See Vacancy Mode Grace Period

Infinite: A description for untimed action when there will be no timed change in status.

Input: A device or part of a device that provides information to the controller.

Level: A percent of luminaire output. This may be defined in footcandles in daylight harvesting settings.

Light Type: Luminaires come in different versions, 0-10 V and 1-10 V, this specification is provided by the luminaire manufacturer.

Run Level Max Trim: Found in setting up an Open Loop system.

Run Level Min Trim: Found in setting up an Open Loop system.
Manual Fade Time: Time from operating light level to OFF upon Manual deactivation.

Manual Override: Manual ON activation countdown timing to turn off.

Occupancy Mode (Automatic ON): Load will turn ON once occupancy is detected and hold it as long as the sensor detects occupancy. After no motion is detected for the Run Timeout period, the load turns OFF automatically.

Output: The part of the device that controls power flow ON and OFF.

Partial Off: A setting for a decreased percentage of light output when a Run Timeout period ends.

Partial Off Timing: A countdown time value when the light output will go to Standby setting.

Partial On: Auto On light % value.

Power On Action: Power failure and recovery mode.

Power On Stagger: Prevents multiple controllers from instantly activating.

Passive Infrared (PIR) Sensor: The sensors work by detecting the difference between heat emitted from the human body in motion and the background space. The sensor can turn a load ON and hold it ON while the sensor detects occupancy. After no motion is detected for the Run Timeout period, the load turns OFF automatically.

Project: A unique name used in the ARISTA app to organize separate installation locations.

Provisioning: Adding devices to an area.

Remove: Takes a device out of a zone. Remains available to add to another zone.

Run Level: See LEVEL.

Run Timeout: Length of time after occupancy sensor last sees movement that lights shut off.
- Minimum Values (Battery Powered = 5 minutes, 24VDC Powered = 5 Sec)
- Maximum 20 minutes

Sensitivity – An occupancy sensor setting that increase sensitivity for larger rooms or decrease sensitivity to avoid false triggers in smaller rooms and near doorway.

Scene: A preset light level output for each output in a zone.

Schedule: Real time clock scheduling up to 256 events and includes up to 64 holiday programming events.

Space: The portion of the Area in which the controls will be installed. As an example, a private office, classroom number, or conference room.
Standby: See LEVEL

Trigger Logic: Selectable modes allow the sensor to turn load ON and hold it ON as long as either or both technologies detect occupancy. Found on dual technology units only.

Trim Level: See description under LEVEL.

Ultrasonic (US) Sensor: Is a presence sensing technology that utilizes wave analysis and Doppler sound waves to detect differences in energy. The changes are interpreted as movement of a person. After no motion is detected for the Run Timeout period, the load turns OFF automatically.

User Level Access Settings
- **Admin** = Top Level Access, Only role allowed to add or remove users from a project.
- **Installer** = All access except adding or removing a user from a project.
- **Occupant** = Ability to adjust SPACE light levels in which the occupant has been given permission.

Vacancy Mode (Manual ON): Requires a manual button or switch to be pushed to turn ON the load. The load will turn off automatically.

Vacancy Mode Grace Period: This feature allows an occupancy sensor set to Vacancy Mode to turn back on automatically within 30 seconds after Run Timeout without going back to the manual button.

Walk-Through (Thru) Mode: An occupancy sensor energy saving setting. Upon sensing occupancy only in the first 30 seconds, the load automatically turns ON and then changes the Run Timeout to the turns OFF 2.5 minutes later. If motion is detected within the first 30 seconds and in the coming 2.5 minutes, original Run Timeout setting applies.

Wink: This is the method used to determine which devices are being communicated with. Presence and daylight sensors have a blue indicator light that will flash rapidly when winked, the backlight of the screen on the ALC-IWD (in-wall dimmer) will flash when winked, and controllers will flash a blue indicator as well as turn ON and OFF the loads that are being controlled.

Zone: The specific portion of the SPACE that will be controlled. As an example, an office may have a Main Zone and a Secondary Zone. Devices are added into the Zone.

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