

How to Showcase Avi-on Lighting Controls

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Step 1) Power Up the Case, Watch the Overview Videos, and Review the Product Data Sheets

Plug the demo board into power



[Showcase Video](#)



[Avi-on Overview Video](#)



[Avi-on.com/Resources](#)



Step 2) Download the App & Login

2A) Download the Mobile Commissioning App



[iTunes \(iOS\)](#)



[Google Play \(Android\)](#)



[App Overview](#)



2B) Login to the Mobile Commissioning App →

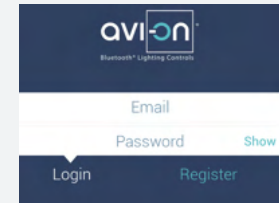


Already have a personal Avi-on Account? One personal account enables you to join many locations

- Your Showcase's Location was created by the Avi-on Warehouse. Check your shipping documents for the Location's name, and then join the location in one of the following ways...
 - Login to your personal Avi-on Account and select the Location
 - Ask your company's *Location Manager* to invite you to the Location
 - Ask [Avi-on.com/Contact](#) to invite your Avi-on Account to the Location

New to Avi-on? Create a personal Avi-on Account with your email

- Verify your Account by responding to a validation email during registration
- Login to your personal Avi-on Account and select the Showcase's Location



2C) Join your Showcase's Avi-on Location →

See next page ↓↓↓↓↓↓

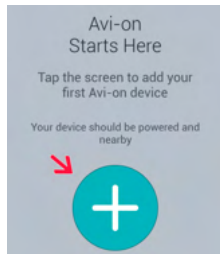
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Step 3) Create a New Location and Add Devices

Add Devices to Location

Use the “big + button” on the Mobile App to Add (‘Claim’) Devices to your Location

Make sure to plug the board into power, or else you will see ‘Can’t find your network right now’



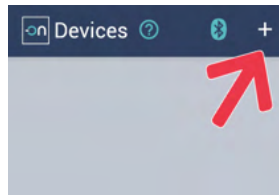
Devices Are Automatically Named

The devices you Add will have a default name of the last 4 of the MAC address plus the Product Name, such as ‘3DC6-LVFA’

However, if you prefer, you can change

the name to “Light 1”

Add More Devices: Once you have started adding devices, the “+” will move to the upper right of the screen



Step 4) Startup Your Showcase

Basic Setup

- **Using the App, Add devices** (4 LVFAs and 1 wall station)
- **Create a Group** called ‘Room’ and add all 3 lights to the group
- **Associate the wall station** with the Group
- **Associate the PIR Sensor** to the Group
- **Suggested sensor settings** for demonstration:
 - Dim level 1: set to 80%
 - Timer 1: set to 15 seconds
 - Dim level 2: set to 20%
 - Timer 2: set to 10 seconds
 - Set motion sensitivity to 5%



Basic Demonstration

- **Simultaneous on/off.** Using the App, show the Group page and how smoothly the lights operate together
- **Easy to expand/grow your install.**
 - With the App, Remove a single light/LVFA from the Group, hit Save. *Show how the wall station no longer controls the removed light/LVFA*
 - Add the device back to the Group, hit Save. *Show how the wall station controls the light*
- **Pass around the wall station.** Pass around the wall station and let people operate the lights themselves

Advanced Demonstration

- **Show schedules. Just give a tour.** Don’t run a live schedule. Too likely people will miss the light turning on and off
- **Show Bluetooth range.** Show the distance of wireless range: have someone walk out of the room with the wall station and see how far away they can be and still turn lights on/off
- **Show the motion detection.**
- **Custom program presets on the wall station**

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Avi-on Fixture & Zone Controllers: Quick Overview

LVFA

- The LVFA series fixture adapter mounts inside lighting fixtures for LLLC (luminaire level lighting control), addressability for each luminaire
- Requires 0-10V dim-to-off drivers
- Great solution for school, office, commercial, industrial, and outdoor projects
- UL Listed

IFAC

- The IFAC series fixture adapter mounts inside lighting fixtures for LLLC (luminaire level lighting control), addressability for each luminaire
- The IFAC supports 110V-277VAC
- Uses any 1-10V dimmable fixture with
- The IFAC includes a 5A relay to switch the power off to the fixture. Includes dual 0-10V outputs for color changing and built in 15 minute energy monitoring
- The IFAC is an easy solution for almost any indoor commercial lighting project including offices, manufacturing, warehouses, schools, gymnasiums, common areas, UV-C lighting control, and outdoor area lights, floods, canopies in garage, open parking, site, and athletic facilities
- UL Listed

XFAC

- Avi-on's XFAC provides single or dual 0-10V circuit level controls for dimming, zero-cross switched AC power, energy monitoring, and sensor input
- Single integrated unit for all fixture control components
- Push connector terminals for easy installation
- Energy monitoring to qualify for the highest utility rebate levels and lifetime visibility to fixture health
- Connector for Avi-on motion/ALS sensor (coming soon)
- Innovative software only UL 924 Listing
- UL Listed
- Plenum rated (UL2043)

Avi-on has two Installer Startup Packages: Small Project & Pro

The *Avi-on Mobile Commissioning App* is a professional startup and support tool. It enables installers to startup simple projects up to about 200 devices. For large or complex projects, Avi-on has two other *Digital Tools*: *Avi-on Pro* for Mac (a large-scale tool for qualified partners and installers), and the *ZoneScanner App* (enables installers to scan and assign zones to devices)



← ← ← Scan the QR at left for the [Project Manager's Checklist](#)



An *Avi-on LTE Bridge* is a key tool in every startup toolkit. To setup your [Avi-on LTE Bridge](#), please scan the QR above ↑↑↑



Avi-on: It Just Works

5X DOE Integrated Lighting Campaign Award Winner

Example: 2022/23 Holt Schools in Michigan

Over 8,000 devices in 9 schools

- **High ROI, low ‘all-in’ installation cost, no gateways:** No panels, gateways, routers, or miles of wire plus labor, installation costs, & disruption; qualify for utility rebates, Title 24, UL 924, DLC 5.0, UL Platinum Cybersecurity, Open ADR, and more
- **Smart new construction or easy retrofit, low operating cost:** Design for current usage, adapt to future needs using software instead of re-wiring
- **BMS/BCS compatible, UL Platinum Cybersecurity:** Connect to building systems with BACnet with assurance that you are backed by UL’s Platinum Cybersecurity Rating
- **Mix luminaire-level lighting control (LLLC), zones, & stand-alone designs:** Sensors, daylight harvesting, and complex settings
- **Remote or onsite startup & support:** Address simple or complex requirements with robust online mobile and web tools

Avi-on: Bluetooth® Lighting Controls for every project

Avi-on Lighting Controls

Easy to design, easy to install → [See product info at Avi-on.com/Resources](https://www.avi-on.com/Resources)



Basic Controls Components



1- & 2-Channel
Load Controllers
Emergency &
Plug-Loads Available



Direct Connect
& Zone Sensors*

✦ Microwave Occ. & Daylighting ✦ PIR Occupancy & Daylighting



A/C or Battery
Manual Controls



Simple
Network
Integration



Advanced Network Integration & Services



Cloud-to-Bluetooth Bridge



* Avi-on Direct Connect Sensors plug directly into the load controller and do not have Bluetooth radios. Some Avi-on compatible zone sensors have Bluetooth radios

Avi-on Lighting Controls

Solid, simple, scales to any size



TRUSTED

5x DOE award winner for energy savings, DLC QPL listed, 2022 UL 924 compliant



SIMPLE

No gateways, no IT network infrastructure, no Cat5 cable, no panels



SCALABLE

One solution for whole project, indoor and outdoor, easy to expand or change



SECURE

UL 1376 Platinum IOT Cybersecurity + DLC 5.0, defense facility approved

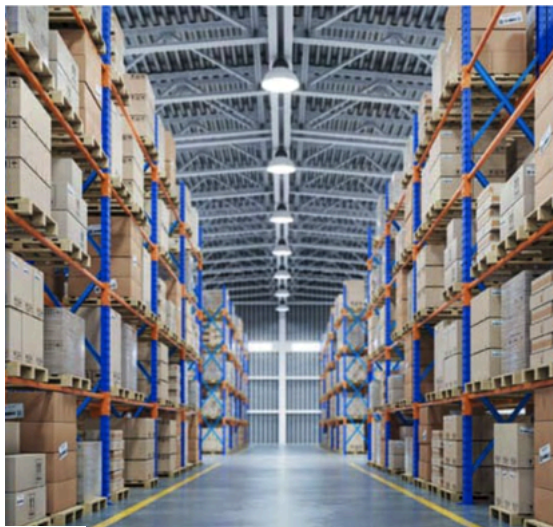


COST EFFECTIVE

Maximize rebate, minimize installation cost, enjoy long-term flexibility

Avi-on Remote Startup

Project commissioning on your schedule



COST EFFECTIVE



TRUSTED



SIMPLE



SECURE



SCALABLE

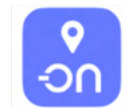
Looking for maximum value *plus* schedule flexibility?

Avi-on's Remote Startup saves time and money

By installing the **Avi-on LTE Bridge** when a project is first powered, and teaching electricians to install controls with the **Avi-on ZoneScanner App**, Project Managers can schedule Avi-on's remote technicians to assist in resolving power and wiring issues during installation

Remote Startup can commission Avi-on's wireless lighting controls while electricians and lifts are still at the site

Did you quote Remote Startup on your project?



ZoneScanner
App



LTE
Bridge

Avi-on's *Optional* Remote Startup & Support, plus Cloud Services

- An [Avi-on LTE/Ethernet/Bluetooth Bridge](#) is a remote startup and support tool that also enables optional cloud services
- An *LTE Bridge* is Avi-on's onsite technician: it helps the electrician conveniently resolve wiring and fixtures with remote diagnostics and commissioning

