Project Startup in Four Steps

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avi-on Bluetooth® Lighting Controls

Project Manager*

Step 1 Host Pre-Wire

Step 2 Deliver Site ZoneScanned, Powered, with a Bridge

Step 3 Commission

Step 4 Close-Out

Use App to setup Avi-on Project *Location*

Train fixture assembly team → **Fixture Assembler**

Assembler delivers tested fixtures with QR stickers on outside

Train electricians on *ZoneScanner* → **Electrician**

Electrician → *ZoneScans* fixtures
→ Tracks, installs, & powers controls

PM -or- electrician installs LTE Bridge as soon as site has power

Pre-schedule *Step 3 Commissioning**

(Remote) Startup Technician**

(Remote) Startup tech helps electrician resolve power, wiring, & fixture issues

Leave or remove LTE Bridge

Once powered, **ADD ('claim') devices**

Use ZoneScanner data to map zones to groups

Apply ***Order of Operations:*** building codes plus utility & customer requirements

Verify settings — Send ***Close-Out*** with support info

* **For Avi-on paid startup:** if the project sponsor/agent introduces Avi-on to the fixture assembler, contractor, and electrician right after shipment, *Avi-on Remote Technicians* can manage the project setup & pre-wire meetings. If there are delays in introductions, then the project sponsor assumes the PM responsibilities

** **To commission projects remotely, startup technicians require an installed Bridge, as well as advanced training on *Avi-on Pro* software.** The Avi-on *Mobile Commissioning App* uses a smartphone for onsite commissioning of small, simple projects. *Mobile* is easier to use, and it has fewer capabilities than *Pro*

Startup

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Project Manager's 4-Step Startup Checklist

Need to schedule Remote Startup? Go to Avi-on.com/Contact or scan the QR code at right →

Bluetooth® Lighting Controls

Step 1) Host Pre-Wire Meeting(s)

a) For large projects, use Project Manager's Detailed Checklist (QR →)

b) **Host Pre-Wire Meeting** with electricians
   i) Document order of operations
   ii) Create a personal *Avi-on Account* and/or join the project's *Location. QR→*
   iii) Prep *ZoneScanner Tool*
      1) Create Zones
      2) Invite electricians to *ZS Tool*
      3) Practice scanning QR codes & installing devices with Electricians. *QR next column→*
   iv) Verify controls wiring diagrams & wire colors: Avi-on.com/Resources

c) **Pre-schedule Avi-on Remote Startup** at Avi-on.com/Contact

b) **For in-fixture controls,** train assembler to qualify, build, & test with required Fixture Assembly Checklist *(QR →)*

Step 2) Deliver Site ZoneScanned, Powered, w/ Bridge

d) Install LTE Bridge as soon as site is powered *(QR →)*

e) Instruct electrician to use ZoneScanner Tool to install controls and assign them to zones *(QR →)*

f) Use Electrician's Checklist to power site, resolve wiring and fixture issues prior to leaving site *(QR →)*

g) Work in parallel with electricians to resolve power, wiring, and fixture issues*

** If you are unable to resolve issues with the Electrician's Checklist AND the project has an LTE Bridge, request remote help at Avi-on.com/Contact, often at no cost. Large or complex requests will receive an estimate*

Step 3) Commission Controls

For Avi-on *Remote Startup,* please pre-schedule at Avi-on.com/Contact *(QR → → →)*

For Partner-led Startup, use *Mobile Commissioning App* -or- *Avi-on Pro for Mac* -

a) If not done in Step 2, add *Groups*
a) Use *ZoneScanner data* to match zones to groups
b) Associate groups w/ sensors or wall stations
c) Set dimming, trim, and/or color for groups & individual devices
d) Set occupancy, vacancy, + sensor sensitivity
e) Establish overrides like ALS or emergency
f) Add schedules or scenes (NTM required)
g) Test & adjust the system & settings

Step 4) Close Out Project

Email *Notice of Project Close-out*
If partner led the startup and/or Bridge is removed, provide partner's contact info for future support
—
Keep or remove the LTE Bridge depending on ongoing service & support expectations

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Startup Steps 1 & 2: *Installing Devices for Commissioning*

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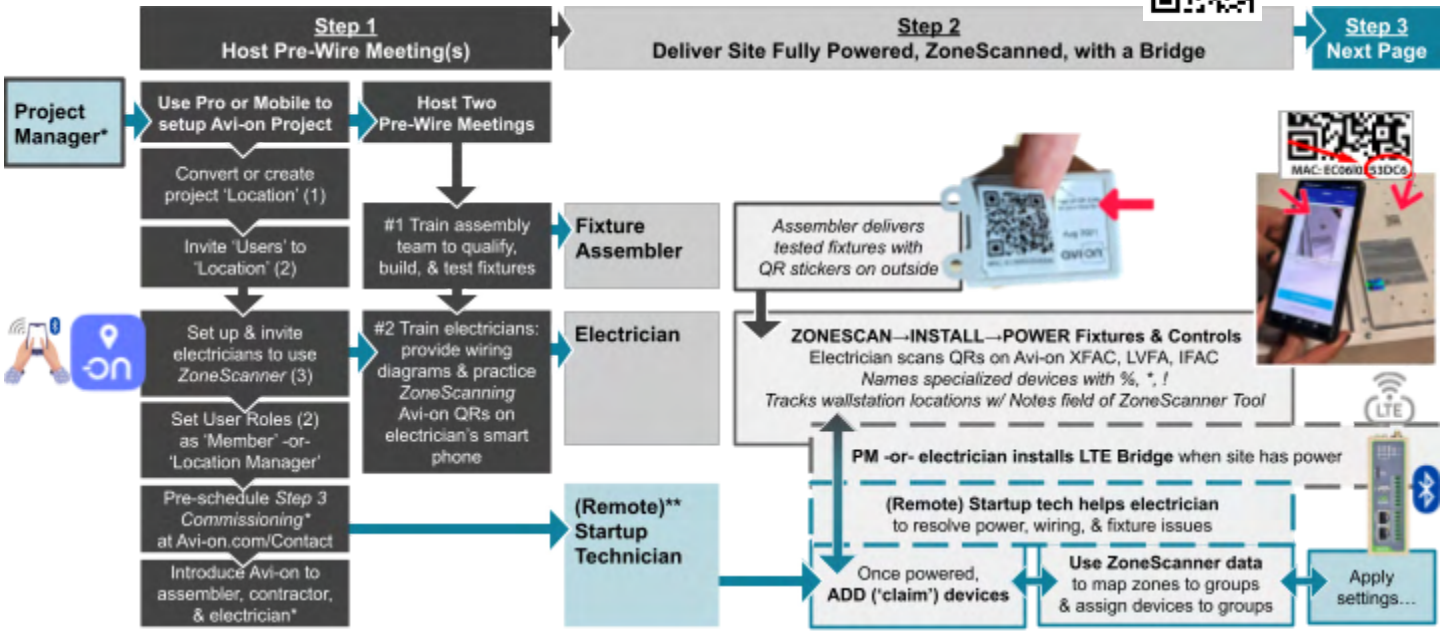

* **For projects with Avi-on paid startup:** if the project sponsor/agent introduces Avi-on to the fixture assembler and electrician right after shipment, *Avi-on Remote Techs* can do project setup & pre-wire meetings. *If there is a delay in introductions, then the sponsor/agent assumes the PM responsibilities*

** **To commission projects remotely, startup technicians require an installed Bridge, as well as advanced training on *Avi-on Pro* for Laptop.** The Avi-on *Mobile Commissioning App* is is easier to use and has fewer capabilities than *Pro*. *Mobile* is designed for onsite commissioning of small, simple projects

(1) *If you do not have a personal Avi-on account, use Mobile or Pro to create one.* **Do not create duplicate locations, as they cannot be combined.** Check shipping documents or ask project manager for location information. If uncertain, go to Avi-on.com/Contact or scan the QR code at top of page

(2) Use *Location.Avi-on.com* to manage *User Roles* such as *member* v. *location manager*

(3) Use *Mobile, Pro,* or *ZoneScanner.Avi-on.com* to invite Electricians to use *ZoneScanner*. Electricians do not need an account for the *ZoneScanner Tool*

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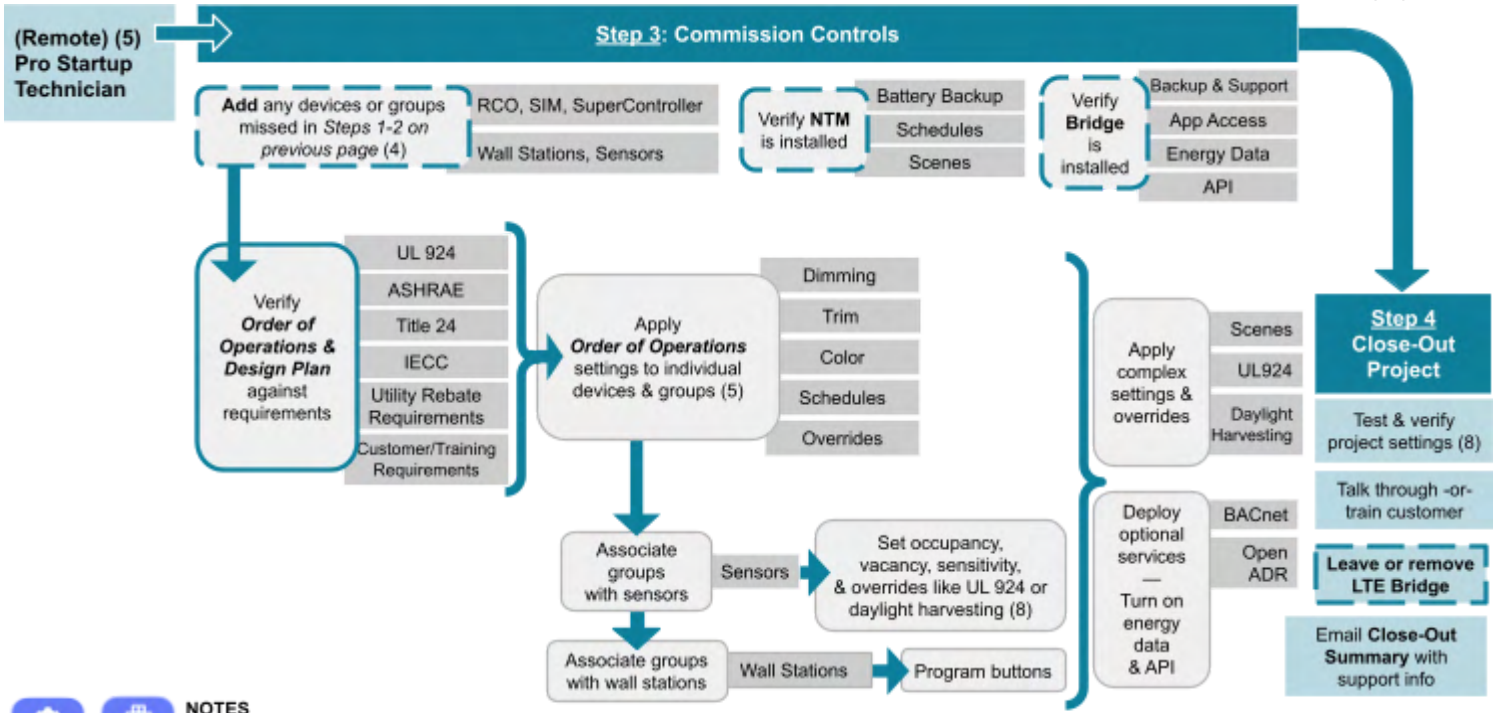
Startup Steps 3 & 4: *Complete Commissioning & Close-Out Project*

Please see previous page for Steps 1 & 2



NOTES

(4) ***Project Startup Step 3 (Controls Commissioning)* relies on completion of *Project Startup Steps 1-2*: all devices are delivered fully powered, ZoneScanned, with a Bridge.** Remote commissioning requires a functioning Bridge. *Please see previous page for details of Steps 1-2*

(5) Mobile Commissioning App is designed for onsite commissioning of small, simple projects, and it has fewer capabilities than Avi-on Pro. *Mobile* is not optimized for large numbers of devices, and it does not do remote claiming, apply complex sensor or override settings, or do diagnosis

Avi-on Pro — Mobile Commissioning

Startup

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