

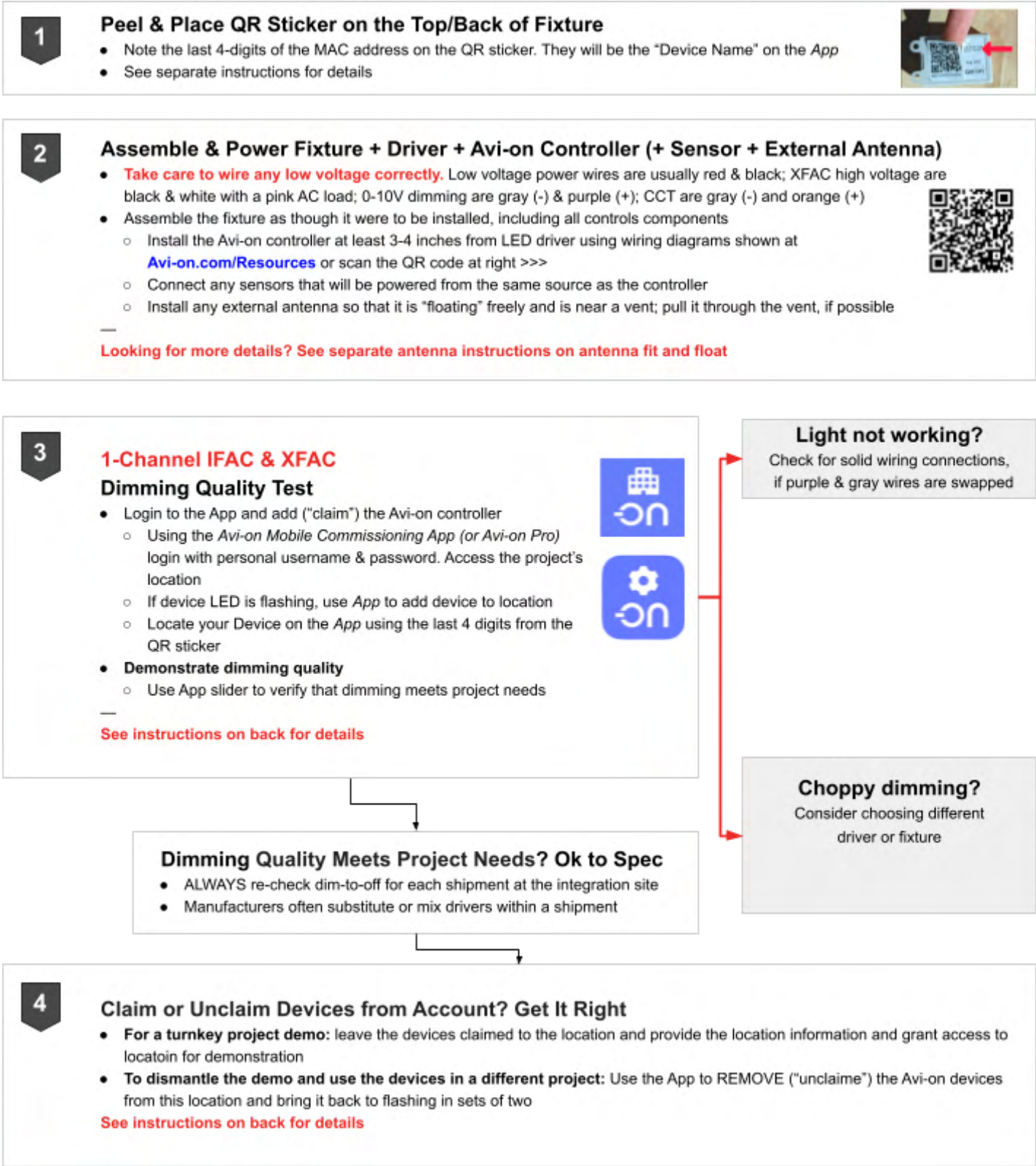
Building Fixture Demonstrations: 1 Channel IFAC & XFAC

Want to build a demonstration for customer approval?

- The following instructions enable you to build a customer demo that validates the physical integration, antenna placement, and dimming quality for customer approval
- Avi-on's software sends smooth dimming commands at all levels of the dimming curve. However, at low dimming levels, not all fixture+driver combinations can respond correctly to commands.
- It is always best practice to build a demo before you specify a given driver/fixture combination
- **IFAC or XFAC will work with ANY 0-10v driver**



How to build demo of your fixture + driver (+ sensor + antenna) combination with Avi-on



Step 3) Dim-to-Off + Dimming Quality Tests: 1-Channel LVFA, IFAC, & XFAC

This step requires access to the Avi-on Mobile Commissioning or Avi-on Pro Apps

How to Download the App & Register Accounts on the *Avi-on Mobile Commissioning* or *Avi-on Pro Apps*



- Unclaimed or claimed? Where is the username password for this project?
 - For shipments sent “unclaimed” (no warehouse setup), ask the Project Manager for access to the project location
 - If the shipment was sent “claimed” (setup), use the location that is provided in the shipping documentation
 - If there is no location, use the *Commissioning App* to register a NEW Avi-on Account and then NEW Location to use for the specific project
 - Your account email must be validated during registration, and if the devices do not already have an Avi-on Location, please create one. [Use the Commissioning App to register/verify the account at THIS LINK](#) or scan QR at right →
- Using Avi-on controllers from a different project? Use the App to REMOVE the devices from the first location
 - If you need detailed guidance about REMOVING devices, see separate instructions
 - Factory reset is NOT recommended. See separate instructions for details

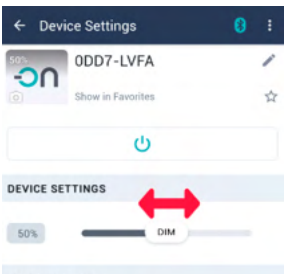


Select Your Test Device & Do Two Tests: Dim-to-Off & Dimming Quality

- Login to the *Avi-on Commissioning App* (info above)
- Find your test device on the App
 - Go to the DEVICES menu on the *Avi-on Commissioning App*
 - Note the MAC address on the fixture’s Avi-on QR code sticker
 - Select Device being tested with the Name that matches the MAC address on the fixture’s QR Code Sticker



- Verify dim-to-off. Using the dimming “slider” on the *Mobile Commissioning App*, verify that the LED driver dims to FULL OFF (additional dim-to-off driver test procedure is in LVFA wiring section above)
- Verify dimming meets project needs. Using the dimming “slider,” verify that the dimming meets the needs of the use case
 - LVFA powered by fixture: The auxiliary power supplies of some LED drivers can put feedback into their own dimming circuit, causing dimming to look choppy. The solution is to add an external 12v power supply AVI-PS-277-12-250



Fixture not working?

Check that all connections are secure
Check that the purple & gray wires are not swapped

Choppy dimming with LVFA?

Add 12v auxiliary power source AVI-PS-277-12-250

Step 4) Claimed or unclaimed? Get it right BEFORE you ship

- For a turnkey project demo: leave the devices claimed to the location and provide the location information for demonstration
- To dismantle the demo and use the devices in a different project: Use the App to REMOVE (“unclaim”) the devices from this location and bring it back to flashing in sets of two. See instructions below to remove devices

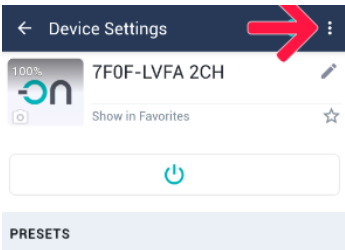
How to Remove a Device from the Project’s Avi-on Location

Device must be POWERED and you must be nearby within Bluetooth range

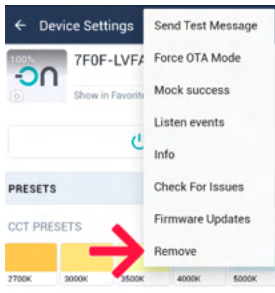
Step A) Select the Device that you want to remove and hit the arrow next to the device(s)



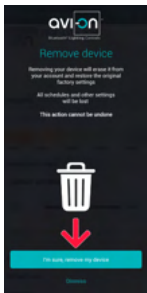
Step B) Select the device you want removed. Hit the 3 dots



Step C) Double check that you have the correct device and hit REMOVE



Step D) Confirm that you have the right device and hit REMOVE again



Step E) Device is removed from the account when the on-device LED is flashing in sets of 2
LAST RESORT: Factory reset is NOT recommended. See separate instructions for details