



AdvanSync

INSTALLATION INSTRUCTIONS

WHAT ITEMS ARE INCLUDED:

43-LCM (Legacy Connect Module), with power cord and data cable



Antenna for LCM



Wood screws for mounting (x4)



Tek screws for mounting (x4)



43-ASG (Gateway)



Record the serial number here, as you will need it when registering online.

Serial #: _____



Cat 5 Cable for Gateway



Power cord for Gateway



Antenna for Gateway



USB Type A to USB Mini
**For dropping new code into controller.*

***Included with each ASG*



Wood screws for mounting (x4)



Tek screws for mounting (x4)

OTHER MATERIALS YOU WILL NEED (NOT PROVIDED):



Laptop for dropping new code into controller
**Must be a Windows-based PC/laptop*



Step Bit (and drill)
**The drill bit for the cable gland into the AegisTEC+ is a minimum of .973" and a maximum of 1"*

WHAT YOU WILL NEED TO DOWNLOAD:

Code for controller and Excel file to record your configuration and set-points (available at advancingalternatives.com/advansync-download)

AegisTEC/AegisTEC Plus Code Version Update

For AdvanSync Installation

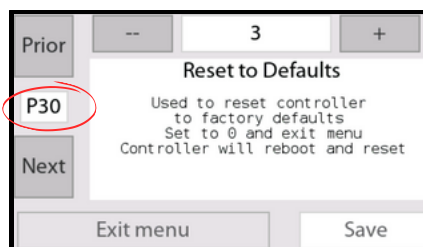
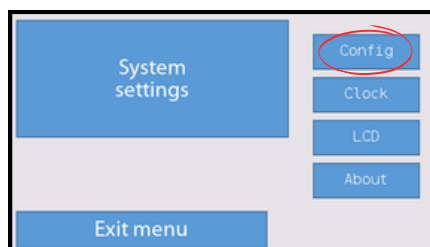
Download code at advancingalternatives.com/advansync-download

Prior to completing these steps, record your current configuration and set-points.



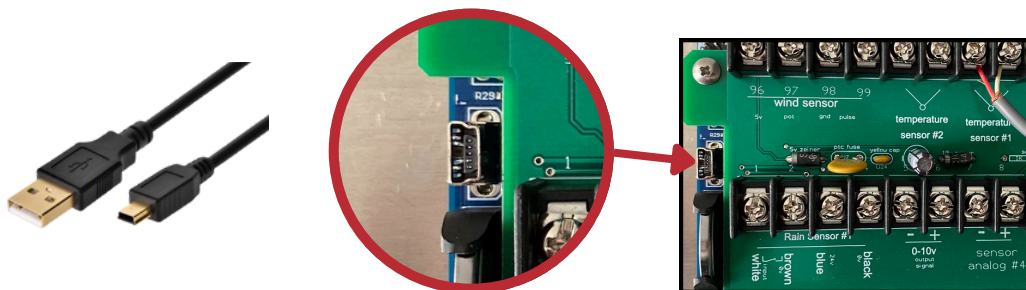
Download at advancingalternatives.com/advansync-download

1. Enter the controller's configuration menu and use the Prior or Next button to navigate to P30.

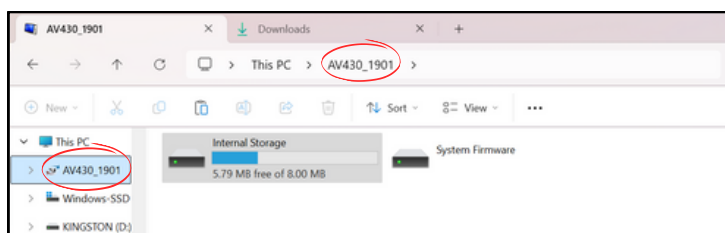


2. Set P30 to "0" using the plus (+) or minus (-) button and then press Save. And then exit menu. The controller will reboot.

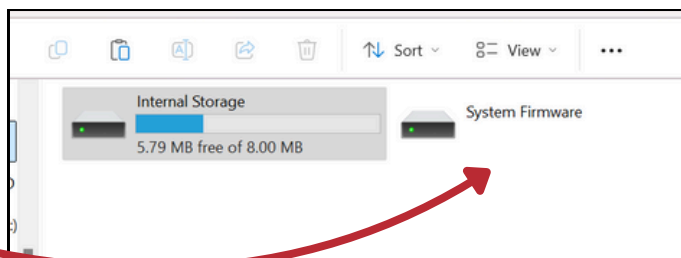
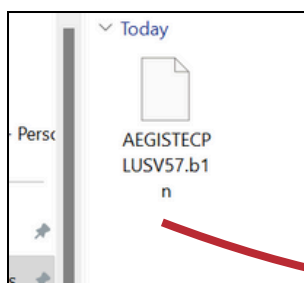
3. Connect USB 2.0 cable to computer and the controller's interface port.



4. Windows Explorer will recognize the controller (AV430_1901 in this image; numbers vary).



5. Drag the code you downloaded from advancingalternatives.com/advansync-download (b1n file) into the System Firmware.



6. The controller will automatically update the firmware and reboot. (Note: The controller will default to factory settings. You will need to enter configuration and set-points again.)

HARDWARE INSTALLATION

Watch a demonstration of installation at
advancingalternatives.com/LCM-install



1

Drill a 1" hole (using 1" step bit or equivalent) in the bottom of the controller. Ensure power to controller is off and wires are not present in drill area.



- **Low RPM:** Use a slow drill speed (500-1000 RPM) to prevent melting or cracking. ABS can melt if overheated.
- **Pilot Hole:** Start with a smaller pilot hole (e.g., 1/8" or 3/16") and step up gradually to 1" to reduce stress on the material.
- **Support:** Clamp the ABS securely with a sacrificial wood or plastic backer to prevent chipping on the exit side.
- **Light Pressure:** Apply gentle, consistent pressure and use peck drilling (drill in short bursts, withdrawing to clear chips) to avoid heat buildup.
- **Lubrication:** Use a lubricant like WD-40 to reduce friction and heat.

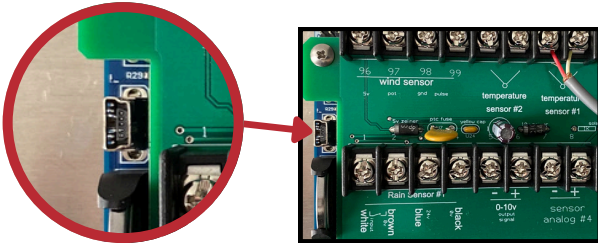
2



Mount the Legacy Connect Module (43-LCM) near controller and near power source

3

Insert the data cable coming from the Legacy Connect Module through the hole you just drilled, attach cable to port, and tighten cable gland.



Note: Data cable is connected to the same port that was used for dropping code.

4



Connect the Legacy Connect Module to power via the attached power cord. You have successfully installed the Legacy Connect Module.

5

The Gateway (43-ASG) will be connected to your Internet router via the provided Cat 5 cable. (If you have an IT department that handles your Internet, they may need to grant access to the gateway.)

Attach antenna to Gateway. The Gateway will transmit through some obstacles, but higher antenna height will ensure a better Line of Sight (LOS) and clearer transmission. Max tested range is 4,500 ft (LOS).



6

After attaching the Gateway to the router, plug in the power cord for the Gateway and attach to power.

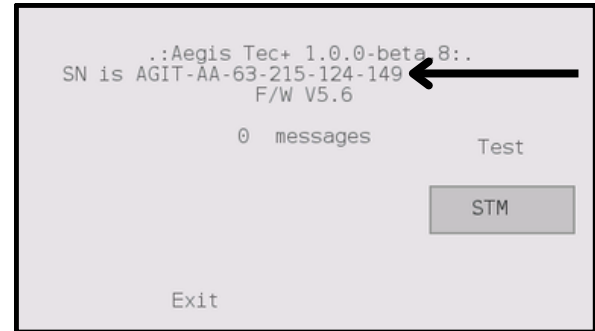
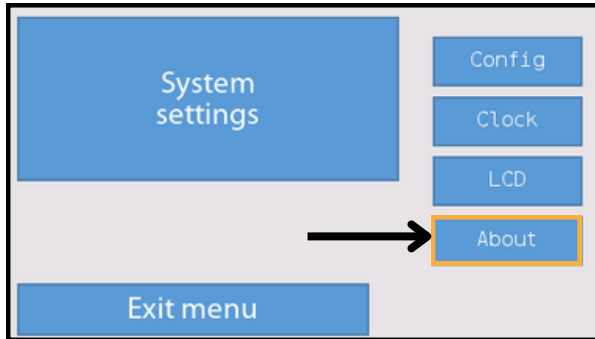
(Do this step only after completing step 5.)



CREATE ONLINE ACCOUNT AND ADD CONTROLLERS TO PROFILE

After dropping the new code into your controllers and installing all the hardware, you are ready to create your AdvanSync profile and add your controllers to your online profile.

1. Prior to logging onto the Internet from your computer and creating your AdvanSync account, you need to have the serial number of your controller(s) handy. On the touchscreen of your controller, access the “About” section. Locate the alpha-numeric serial number on the screen. Record this number as you will need it shortly.

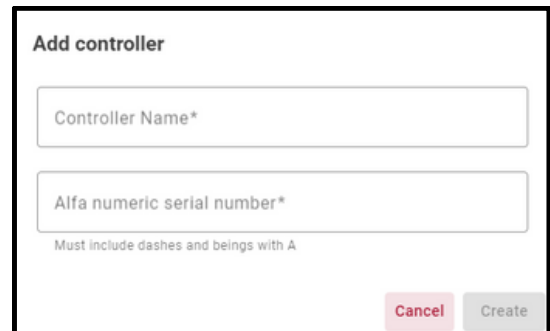
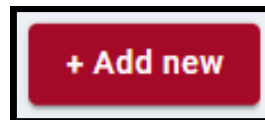


Write down this number.

2. Visit <https://advansync.io/signup>

3. Enter your information, read and accept the Privacy Policy and the Terms of Use, and click “Sign Up.” You will receive an activation e-mail to the e-mail address that you provided to us. Activate your account.

4. Once you are logged into your account, Click [+Add new] to add a new controller. Enter a name for the controller (your choice) and then enter the alpha-numeric serial number you recorded earlier (include dashes and must begin with A).



5. Once you have completed all of the above steps, including entering the serial numbers of the controllers connected to Legacy Connect Modules (LCMs), visit the link below to register your system with us and finalize activation:

<https://www.advancingalternatives.com/set-up>

We will notify you upon receiving your registration, and activating your hardware.