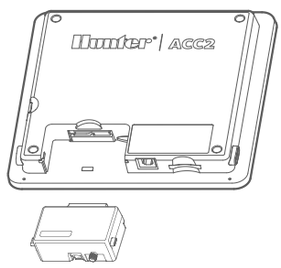
A2C-WIFI INSTALLATION GUIDE

Internal WiFi Module for ACC2

INSTALLATION

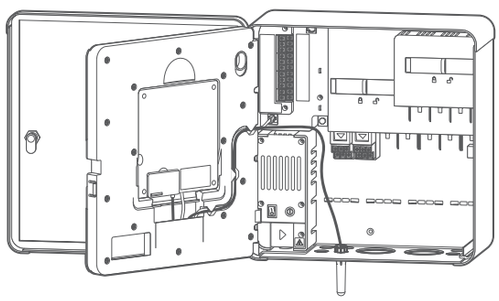
Turn controller power off before installing the module. Remove the controller facepack to expose the communication slot on the bottom. It is not necessary to disconnect the facepack cable. Remove the dust cover from the communication slot. Insert the Wi-Fi module completely into the slot, pins first, until the lock clicks into place.



Connect the antenna cable to the gold threaded connection on the module. Install the antenna holder into one of the smaller conduit openings in the bottom of the controller, so that the antenna is fully exposed below the metal box. Firmly hand tighten the nut on the inside of the controller to secure it.

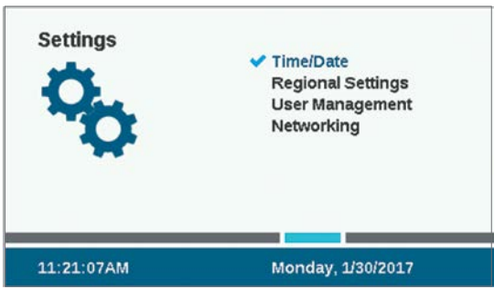
Route the antenna cable from the module to the holder, so that it has adequate slack to open the door, and will not be pinched when closing the door. Insert the antenna into the holder.

Do not allow the metal connectors in any part of the antenna cable to contact metal or earth ground when powered. This will permanently damage the Wi-Fi module.

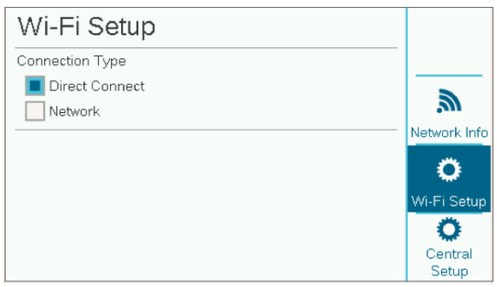


Restore power to the controller. If it is necessary to remove the module after installation:

- Turn controller power off.
- Press the spring-loaded locking lever on the module.
- Pull straight down to remove it.



Use the dial to go to Settings, Networking. Verify the address of the controller by viewing Network Info screen. Press soft key for Wi-Fi Setup. Check the box for Direct Connect. (The Central Setup function is not currently active.) Open mobile device settings for Wi-Fi and search for HunterACC-xxxx (where –xxxx is the unique four digit number shown at Network Info), and connect.



Open browser.

Enter 192.168.1.3 (also shown on the Networking screen). In a moment, the login screen should appear.

If there are no entries in the controller's User Management table, the user ID is "hunter" (lowercase). The PIN is "0000."

If the User Management table has entries (Settings, User Management), the user ID and PIN must match a valid user ID and PIN in the User Management table.

If User Management is enabled, the user ID and PIN must match a valid user ID and PIN in the controller's User Management menu.

The ACC2 page will appear in a few seconds after a valid login.

CONTROLS

The Home button will return to the top level menu when you have selected Start, Stop, Text Entry, or Flow.

There is a contrast button in the top right corner of the display that will switch between light and dark backgrounds for day or night situations.

START

Select Start to operate any of the following immediately:

- Station
- Block
- Program
- PMV

Select the item, specify the run time, and press the Start button.

STOP

The Stop command can be used to:

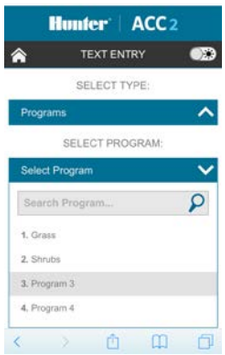
- Stop All Stations (this will stop everything in the controller).
- Stop all manually started stations (allows automatic irrigation to continue).
- Stop a selected program (select the program, and press Stop Program).

TEXT ENTRY

The mobile device can be used to enter names for:

- Stations
- Blocks
- Programs
- Water Sources (MainSafe zones)
- Flow Zones
- Clik Sensors

Names help with organizing large irrigation systems, and the mobile device is easier to use for text entry than the interface on the controller. Click the red “X” to completely erase the default name (such as “Station 1”), or simply modify the name that appears. Click Save to enter the name in the controller.



FLOW

The mobile device can view live flow rate information on all flow sensors. There are no additional functions on the flow screen.

UPDATING THE WI-FI MODULE

Wi-Fi modules can be updated from the SD card. Wi-Fi modules can be updated from the SD card in the facepack, as part of the normal firmware update process. The current version number can always be found on the Diagnostics, Module Info screen.

TROUBLESHOOTING

Antennas must be placed outside a metal controller cabinet to be effective. Use the antenna holder or conduit adapter to locate the antenna outside the controller enclosure.

ACC2 controllers appear as HunterACC-xxxx in mobile device settings screens. Make sure you are logged into the controller, and not onto another network.

If multiple ACC2 controllers are within range, verify the address of the one you want by viewing the Settings, Networking, Network Info screen. The serial for the controller will be shown on this screen.

If a module does not appear to be responding and network settings are correct, check the Diagnostics menu, Module Info screen to be sure the module is alive and seen by the controller. If the module is shown as Not Present, turn the power off. Remove, inspect, and re-seat the module, and test again.

REGULATORY AND LEGAL INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The user is cautioned that changes/modifications not approved by the responsible party could void the user’s authority to operate the equipment. To satisfy FCC RF Exposure requirements for mobile and base station transmission devices, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during operation. To ensure compliance, operation at a closer distance is not recommended. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be chosen so that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d’Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d’un type et d’un gain maximal (ou inférieur) approuvé pour l’émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l’intention des autres utilisateurs, il faut choisir le type d’antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l’intensité nécessaire à l’établissement d’une communication satisfaisante.

- Cet émetteur radio (IC : 7693A-24WG0MAMB) a été approuvé par Industrie Canada pour fonctionner avec les types d’antennes énumérés ci-dessous avec le gain maximal admissible et l’impédance d’antenne requise pour chaque type d’antenne indiqué. Les types d’antennes ne figurant pas dans cette liste, ayant un gain supérieur au gain maximum indiqué pour ce type, sont strictement interdits pour une utilisation avec cet appareil.