# 1 - Configure the TropiCal® Inverter Heat Pump to use WiFi

The TropiCal® Inverter heat pump comes with internal WiFi that can be activated to control the heat pump remotely.

## Connecting to WiFi

1. The user needs to have the credentials for the owner's WiFi access point (network name and password). This will be required to set up the heat pump.
2. Enable WiFi and Bluetooth in the mobile device's settings. The Bluetooth option can be deactivated after configuration is complete.
3. Confirm the mobile device is connected to the same network that the heat pump will be using.
4. The user will also need to be near the heat pump for initial Bluetooth activation.
5. Download the WiFi application on to a mobile device.

The application can be downloaded here:




Look for the PoolSync® application from AquaCal AutoPilot, Inc.

Figure 1

5. With the PoolSync® mobile application:
    a. Use the gear icon to access the PoolSync® settings.
    b. Select "Add New TropiCal Heat Pump". See Figure 3.

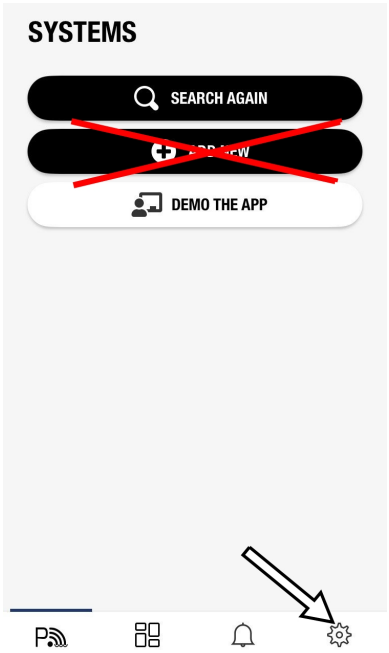



Figure 2

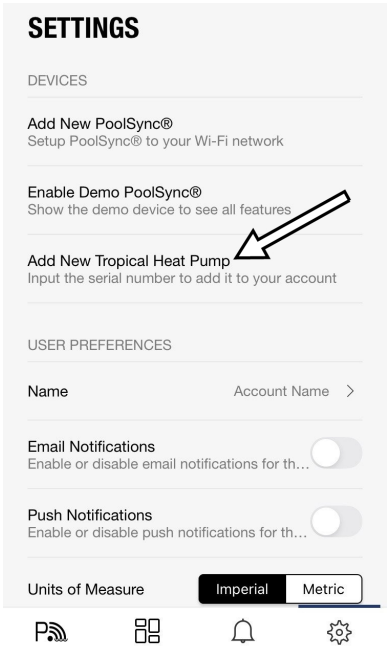



Figure 3

6. Enter the heat pump's serial number found on a sticker on the heat pump. See Figure 4.




Figure 4

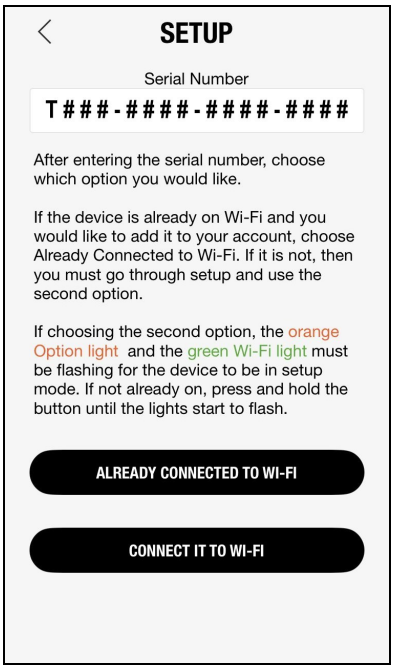



Figure 5

## Firmware Updates

7. Note the LEDs on the back of the unit. Confirm the "On / Off" LED is activated. If not, activate the heat pump at the power breaker.

**Power LED**

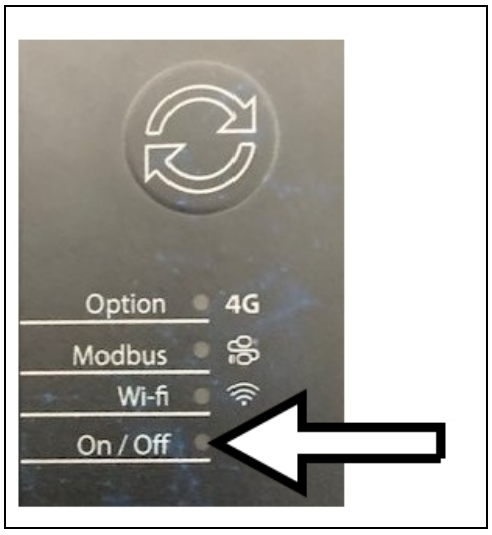



Figure 6

## Connecting the PoolSync® Application

9. Confirm the WiFi LED is blinking or solid green.
    - If the WiFi LED is solid green, use the PoolSync® application to select the "Already Connected To WiFi" option.
    - If the WiFi LED is blinking, use the PoolSync® application to select the "Connect To WiFi" option.

**WiFi LED**

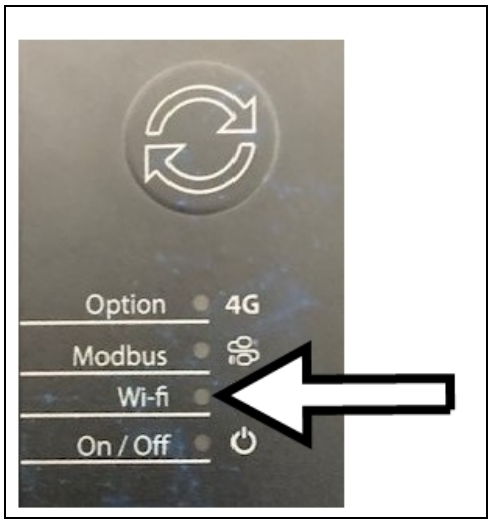



Figure 7

***NOTE***

*If only the "On / Off" LED is illuminated, press and hold the setup button for 10 seconds and release.*

- The orange Options LED and the green WiFi LED should be blinking now.
- You can proceed with the "connect to WiFi instructions to complete the setup.

11. A screen will ask to select a device,
    - Select the PC-B number as shown on the heat pump,
    - Then select to "Pair" the device.




Figure 8




Figure 9

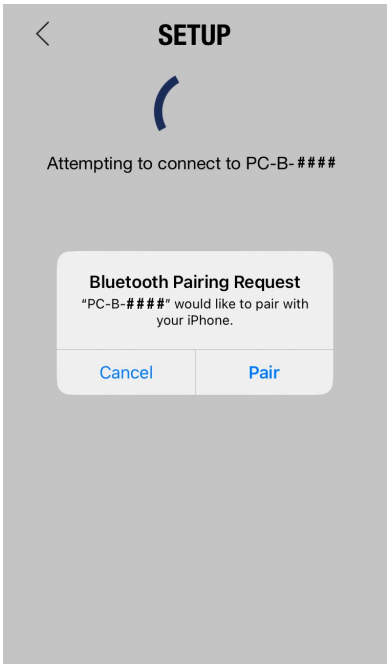



Figure 10

8. Select the WiFi network that will be connecting the heat pump. When prompted enter the password for the network.
9. Once the connection process is complete, use the back arrow and / or the lower left icon to go to the dashboard of the PoolSync® application.

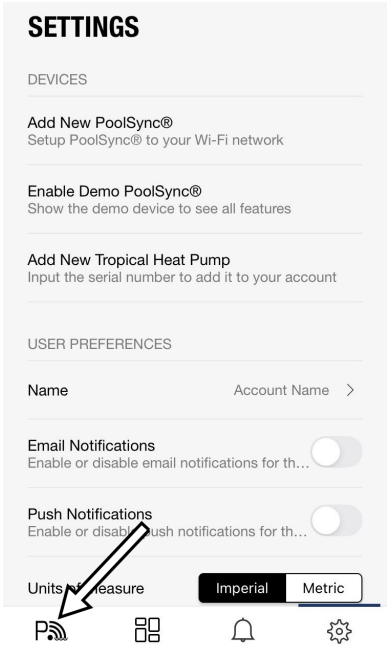



Figure 11

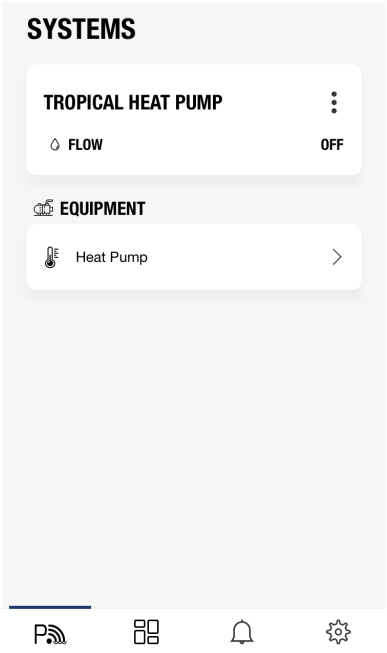



Figure 12

9. If the Heat Pump is not shown, a firmware update may be taking place in the background.
    a. Close the application and wait 60 minutes.
    b. Go to mobile device Bluetooth settings, and if a heat pump device is listed, choose to forget the device.
    c. Then go back to step 5 to connect the heat pump to WiFi.
    - If these step continues to fail:
        - Confirm that the correct network credentials are being used
        - Confirm the mobile device's WiFi and Bluetooth are activated.
        - Confirm that the mobile device is close enough to the heat pump to allow pairing.

## To add a second user:

1. Press the Gear icon on the application.
2. Select "add new device".
3. Select "Tropical heat pump".
4. Do not push the Setup button on the heat pump gateway, it is already connected.
5. Enter the serial and follow the in-application instructions to setup the second user.