

Steam Bath Wi-Fi Option

Product Number: 9315

The mySteamist mobile app is designed to work exclusively with the Steamist Total Sense TSC-450 control version 2.00 and higher. The mySteamist interface device connects your Total Sense steam spa to your mobile device over your home Wi-Fi network. This allows you to remotely start/stop the TSC-450's pre-programmed user profiles from your mobile device, and see the actual steam bath and or shower temperature as the room warms up.

WARNING: The default settings of the mySteamist™ interface device utilizes an unsecured network during the set-up process. This allows for the possibility that anyone can connect to, and take control of, your steam bath. Operating the steam bath for extended periods of time with the door open can damage the home. Do not connect this device until you are ready to attach it to your secured home network. Please take proper precautions to make sure your home network is secured.

Installation:

IMPORTANT: Before installing the Wi-Fi interface make sure the generator and TSC-450 control are installed and tested for proper operation.

Find a location to mount the Wi-Fi interface within the range of your home's router. The interface needs to be connected to the steam generator with the provided 10' cable. Longer cables are available up to 50'.

1. Secure the interface to a wall or flat surface with the 3 screws provided.
2. Adjust the antenna to the vertical position (see Figure 1).
3. Connect the multiconductor control cable to the interface and route it to the steam generator. (see Figure 1)
4. Turn the power to the generator off and remove the top cover of the steam generator. Locate a knockout hole on the top left side of the generator to pass the cable through (see Figure 2).
5. Connect the cable to the generator by plugging into one of the available jacks on the circuit board inside the generator (see Figure 2).
6. Secure the cable to the generator with the provided strain relief. Allow a few extra inches of cable inside the generator. Use available knockouts (see Figure 2).
7. Replace the generator cover and turn the circuit breaker back on to the generator.
8. Remove the cover on the Wi-Fi interface by sliding the thumb grip to unsnap the cover (see Figure 1).
9. Check the lights on the interface. They should be as listed below. If not refer to the troubleshooting section on page 3. If the lights are as listed continue with the configuration (see Figure 1).
 - RS2:** On green steady 30 to 60 seconds after connecting
 - WIFI:** Off until programmed
 - RS1:** Blinking yellow
 - 485:** Blinking red.
 - PWR:** On red steady

Configuring with your mobile device (recommended):

Note: This method of configuration can only be done if you router is broadcasting it's SSID (Network Name).

Compatibility Alert: For Apple iOS 10 (and higher) users ONLY, see Page 3.

Figure 1 - mySteamist Interface

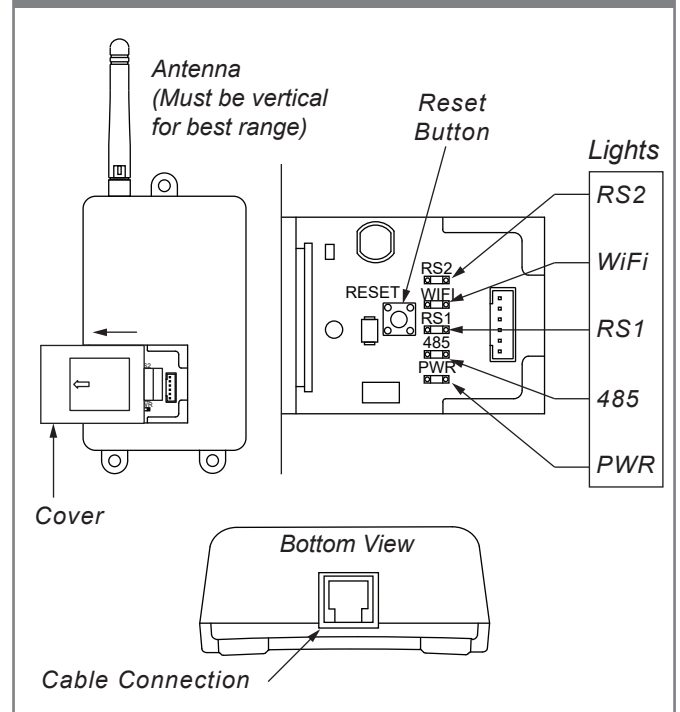
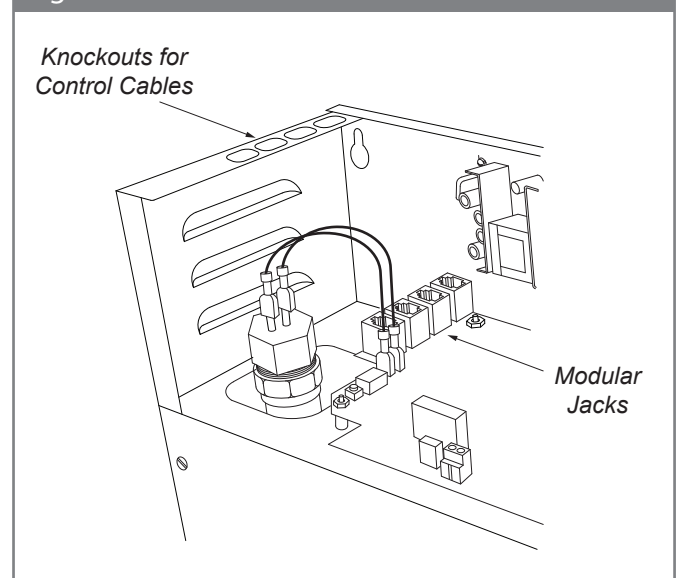



Figure 2 - Generator Connection



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1. Download the mySteamist app to your mobile device from iTunes® or Google Play™. Do not start or open the app.
2. In order to configure the mySteamist interface you will need to temporarily change the Wi-Fi settings of your mobile device. Most devices have a settings button or tab. Find your Wi-Fi settings and go to the screen that shows the available Wi-Fi networks. You should see a network that begins with "my450." If not make sure you are within range or try another mobile device.
3. If you do see the my450 network, select it and wait until you see that it is connected. It should connect without the need to enter a password. Wait at least 60 seconds to fully connect before continuing to the next step.
4. Now open the mySteamist app that was downloaded earlier.
5. The app will search for Wi-Fi Interface.
6. Once it finds the device it will go directly to the control screen (see Figure 3).
7. Press the TOOLS button  (see Figure 3).
8. Press the NETWORK button (see Figure 4).
9. Select the name of your home Wi-Fi from the list shown in the app.
10. Enter your network password and be careful, passwords are case sensitive and some devices may capitalize the first letter or correct your spelling. Check it carefully before pressing the save button.
11. Press the back button to return to the main control screen (see Figure 4).
12. The WIFI interface will restart and join the local network that you have selected. Wait 1 minute for the interface to change networks. The RS2 light will be lit steady green when it has successfully changed networks (see Figure 1).
13. Completely close the mySteamist app.
14. Reconfigure your mobile device to reconnect to your home Wi-Fi network. This is the same network you just configured the Wi-Fi interface to connect to. Wait 1 minute for your mobile device to switch networks.
15. Restart the mySteamist app. It should search momentarily for the mySteamist interface before going to the control screen. If you did not see the search screen, press the Devices button to refresh the search (see Figure 3). The mySteamist device is now configured and ready to use.

Configuring with a Wi-Fi enabled PC or Mac:

1. In order to configure the mySteamist interface you will need to know how to temporarily change the Wi-Fi settings of your PC or Mac. Open on your Wi-Fi settings screen that shows the available Wi-Fi networks. You should see a network that begins in "my450." If not make sure you are within range. Select the my450 network on your PC/Mac. Wait until you see it is connected.
2. Start your internet browser.
3. If your Device Version is 4.04 or higher, type 192.168.1.3 into your internet browser. If your Device is Version 4.03 or lower, type address 169.254.1.1 into your internet browser.
4. Press the TOOLS button (top right).
5. Take note of the hostname listed for future use, then select the Change Network button.
6. Press "Scan for Wireless Networks"
7. Select the name of your home Wi-Fi network from the list shown.
8. Enter your network password carefully, passwords are case sensitive. Check it carefully before pressing the OK button.
9. The screen will show with the new network name listed. Change

Figure 3 - Control Screen

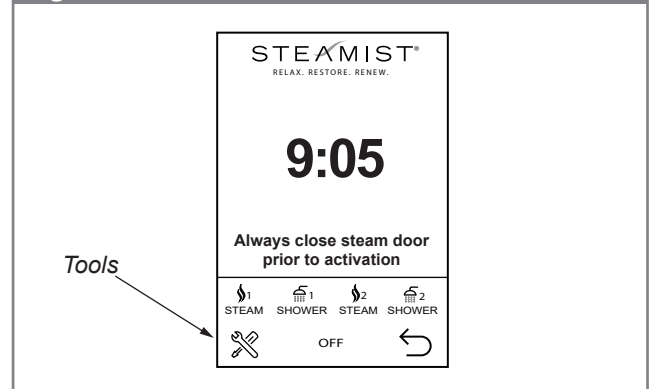
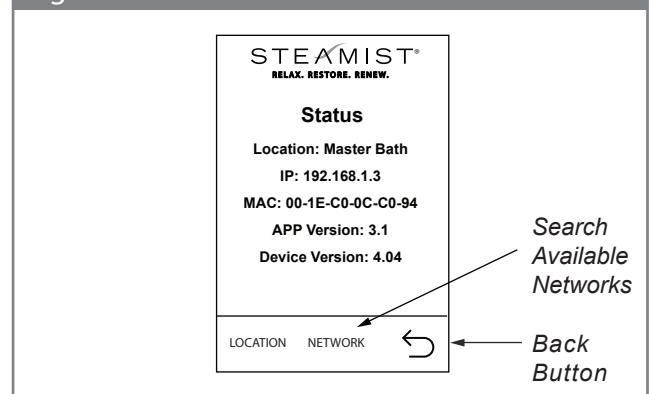


Figure 4 - Tools Screen



your PC/Mac back to your home network.

10. The WIFI interface will restart and join the local network that you selected. Wait approx. 1 minute for the interface to change networks. You are now ready to begin using your app. Open the mySteamist app on your device. It should search for the mySteamist interface before going to the control screen. If you did not see the search screen, press the devices button to refresh the search.
11. Advanced settings:
 - a. To change from DHCP to a static IP or to enter a Net Bios Name you must do this with a PC/Mac.
 - b. Open your browser and enter the current IP address of the device (this can usually be found on the management console of your router or by opening the app on your mobile device and going to the tools screen) or use the hostname noted in step 5 of this section.
 - c. Once your PC/Mac has connected to the mySteamist device press the tools button and the advanced setting screen will show.
 - d. Make the necessary changes and press save.

Changing the mySteamist location name:

If you have more than one steam bath, with a mySteamist Wi-Fi interface, it will be necessary to give each of the interfaces a different name. This can only be done by powering one interface at a time and configuring each one with a unique name. First make sure your mySteamist interface has been fully configured and tested. Then you can change the default name, Master Bath, to a new name.

1. Open the app. From the control screen select the Tools button (see Figure 3).
2. Select the Location button and edit the name to a more appropriate name (see Figure 4).

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3. Press save and you're ready to configure the next device if you have more than one.

Troubleshooting - mySteamist interface lights and reset switch:

1. **PWR** – Red light which is on steady when connected to power. The power for the Wi-Fi interface comes from the steam generator. If the light is out, check that the generator has power. If the generator has power, check that the green cable connections are clean and secure. Note: unplugging the green cable to the Wi-Fi interface while power is on will interrupt communication to the TSC-450 control. See the next light to see how to reestablish communication.
2. **485** – Red light which blinks when it is communicating with the TSC-450 steam bath control Version 2.00. If the light is off momentarily start a memory cycle on the TSC-450 control. This will rescan for the Wi-Fi interface. Stop the cycle and check the 485 light is blinking. If it is still not blinking check that the cable connections are clean and secure and restart a memory cycle again to rescan for the interface. If the 485 light is still off see "Troubleshooting – Check the TSC-450 control version".
3. **RS1** – Yellow light which blinks when the microprocessor is operational. If the light is not blinking, disconnect the green cable for 10 seconds and then plug it back in. This should reset the microprocessor. If the light still does not blink, the mySteamist interface device needs to be replaced.
4. **WIFI** – Green light which is on blinks when configured to work with your home Wi-Fi network. This light is off with the factory default settings. If the WIFI light is on and the RS2 light does not come on it may be necessary to restore factory defaults. This may happen if you change your password on your router or replace your router. To restore factory defaults see reset button.
5. **RS2** – Green light which is steady when the Wi-Fi is operational. This is an indication that it is broadcasting WiFi signal or connected to a home router. A blinking light indicates the device was not assigned an IP address. If this light is blinking press the reset button on the device and reconfigure.
6. **RESET** – The reset button is used to restore factory defaults. Press and hold the RESET button until the RS1 light goes off. If successful the WIFI light will go out and stay out. After resetting factory defaults it is necessary to reconfigure the interface.

Troubleshooting - mySteamist app:

1. If the app is stuck in demo mode, this is due to not being able to connect to the Wi-Fi interface (see Figure 5).
 - a. Make sure your mobile device is connected to the same

Figure 5 - Demo Mode

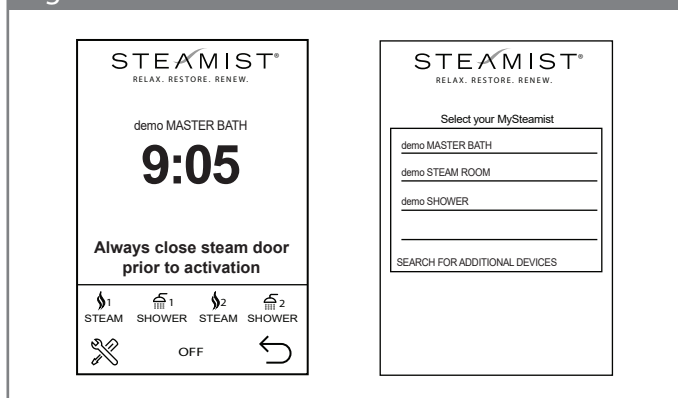
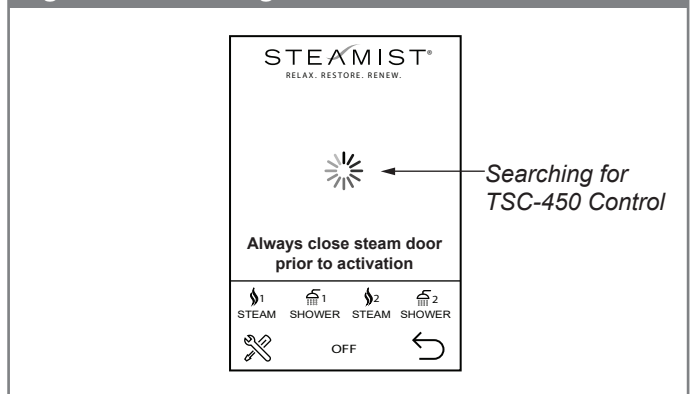


Figure 6 - Searching Icon




- a. Wi-Fi network that the Wi-Fi interface was configured to.
- b. Completely close the app and restart it.

- c. If it is still in demo mode press the Devices button on the top left corner of the main control screen. This will rescan for devices.
- d. If the app is still in demo mode, check that the RS2 light is on steady in the Wi-Fi interface. If not, restore the factory defaults and reconfigure the device.

2. The app does not start the steam bath. When memory button is pressed the spinning icon keeps spinning in the cloud (see Figure 6). Press the Devices button to rescan networks. If you come back to this same screen, check that the 485 light in the Wi-Fi interface is blinking. If it is not blinking, see "Troubleshooting Wi-Fi Interface Lights"

Troubleshooting - TSC-450 control version:

1. Press the drop down arrow  on the main screen.
2. Press the Tools button.
3. Press the Devices button.
4. Check the version number of "THIS CONTROL". It must be version V200 or higher. If the version is earlier it will not work with the Wi-Fi interface.
5. Press the power button to return the control to the desired screen. If the version was proper check if the 485 light is now blinking. Checking the connected devices does a new scan and may have solved the problem.

Compatibility Alert:

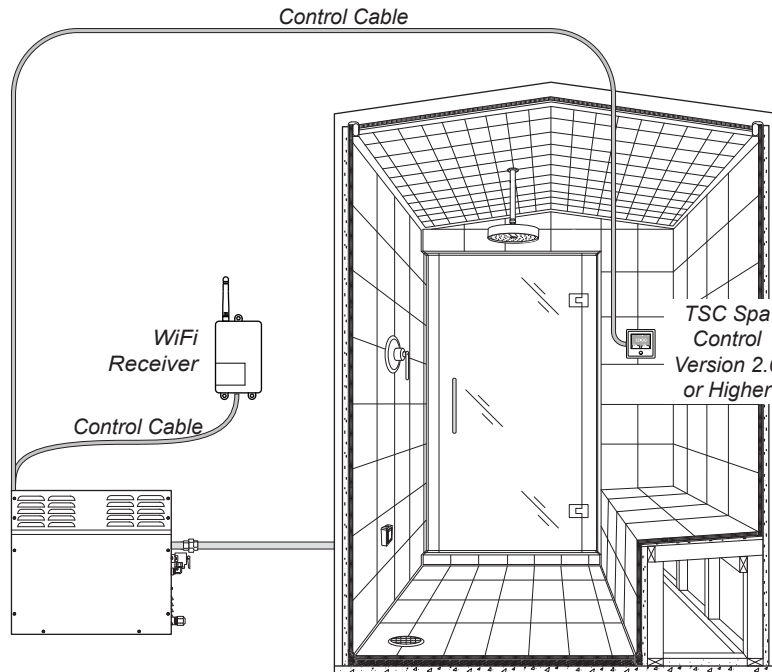
This alert applies ONLY For Apple iOS users.

Due to changes in Apple iOS, if you are using iOS Version 10 (or higher) and your Steamist Wi-Fi device was manufactured before 11/1/16, with Version 4.03 or lower, it is not possible to use iOS to configure your Steamist Wi-Fi device. However, the Steamist Wi-Fi device will function properly and operate using the iOS mySteamist App after your Steamist Wi-Fi has been configured. You may configure your Steamist Wi-Fi device with an earlier version iOS device, an Android device, or a PC.

If you would like to upgrade your Steamist Wi-Fi, you may send your Steamist Wi-Fi device back to Steamist for a no charge program update. Please ship to: Steamist, 25 East Union Ave, East Rutherford, NJ, 07073, Attention: Program Update. Please include your name address, phone number or email address. We will test, update, and promptly return it to you.

Figure 7 - Steambath Wi-Fi Option

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Technical Specifications

System Requirements

- Wi-Fi accessible broadband internet connection with 802.11b support
- Wi-Fi enabled PC or laptop, Apple IOS, or most Android mobile devices.

Wireless

- IEEE Std. 802.11b/g/n compatible
- Data Rate: 1 and 2 Mbps
- Range: up to 400m (1300 ft.)
- Default IP Address: 192.168.1.3 (or 169.254.1.1)
- MAC Address: 00-1E-C0-XX-XX-XX

Security

- Supports 802.1x, 802.1i security: WEP, WPA-PSK or WPA-2-PSK.
- Hardware Security Engine for AES and RC4-based ciphers

Regulatory

- Radio regulation certification for United States (FCC), Canada (IC), Europe (ETSI) and Japan (ARIB)
- FCC ID: W7OZG2100-ZG2101
- IC: 8248A-G21ZEROG
- Wi-Fi CERTIFIED™ (WFA ID: WFA7150)

Physical Dimensions(excluding antenna):

- 5-7/8" x 3-1/8" x 1-3/8"

Power

- Power 15 VDC, 60mA

**FCC INFORMATION
FCC Class B Part 15**



This device complies with part 15 of the FCC Rules.

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 receiver.

Caution: 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 closer than this distance is not recommended. The antenna used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Industry Canada Certification

Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

IC: 8248A-G21ZEROG

FCC: W7OZG2100-ZG2101

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.