

WiFi Setup Guide

for Windows XP



Radio Thermostat Company of America

Before we start to connect your thermostat to your WiFi network, follow your thermostat install guide and complete wiring and installation. Once you have finished installing the thermostat and turned power back on, the thermostat will turn on. It is now controlling your HVAC system locally. You are now ready to connect it to your WiFi network. The Yellow LED will be blinking indicating that the thermostat is ready to be configured for your home network.

STEP 1

On your Windows XP based PC, click on the start menu, then click on “**Connect To**”.

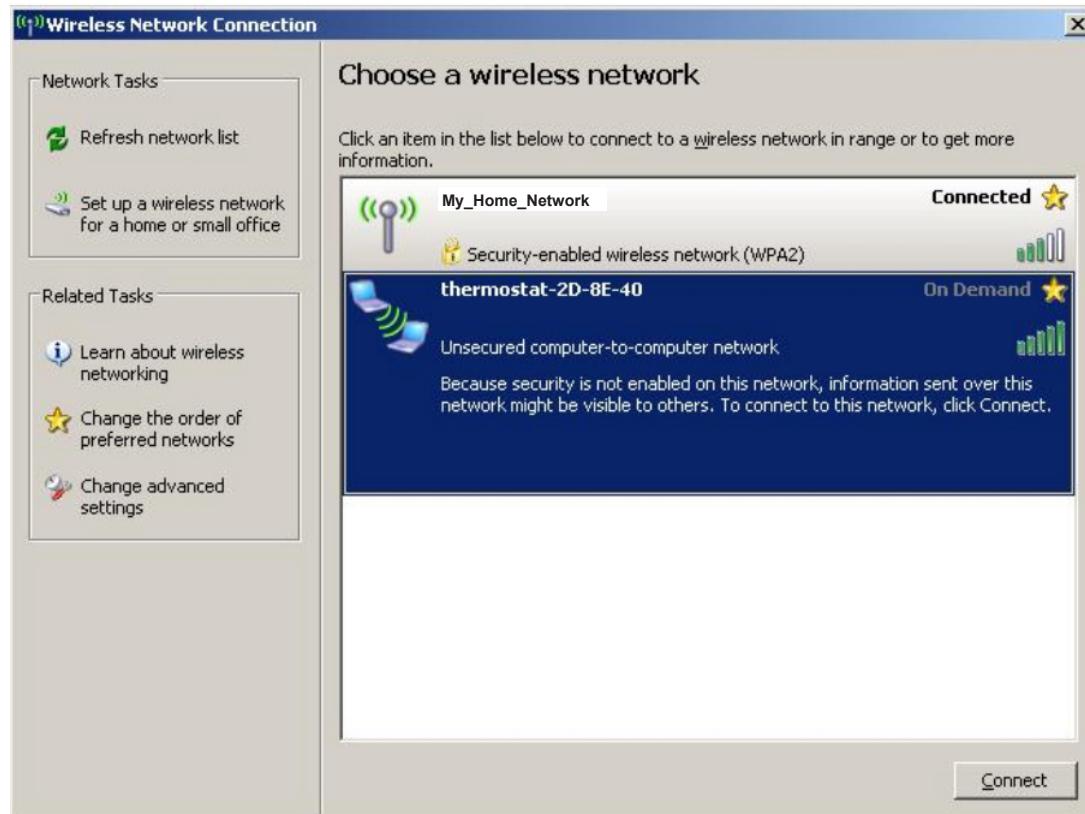
This will display the list of available networks. When the thermostat first turns on it will temporarily create its own network.

Find the Thermostat’s Wi-Fi network and connect to it. It will appear in the list below and will start with the word “thermostat”, followed by six letters or numbers.

If your computer displays a **unsecured network** message, click “**Connect Anyway**” and continue connecting to the thermostat.

If the connection was successful **Sucessfully connected to thermostat-2D-8E-40** will be displayed.

If your computer was unable to connect to the thermostat, try click on “**Connect To**” again.



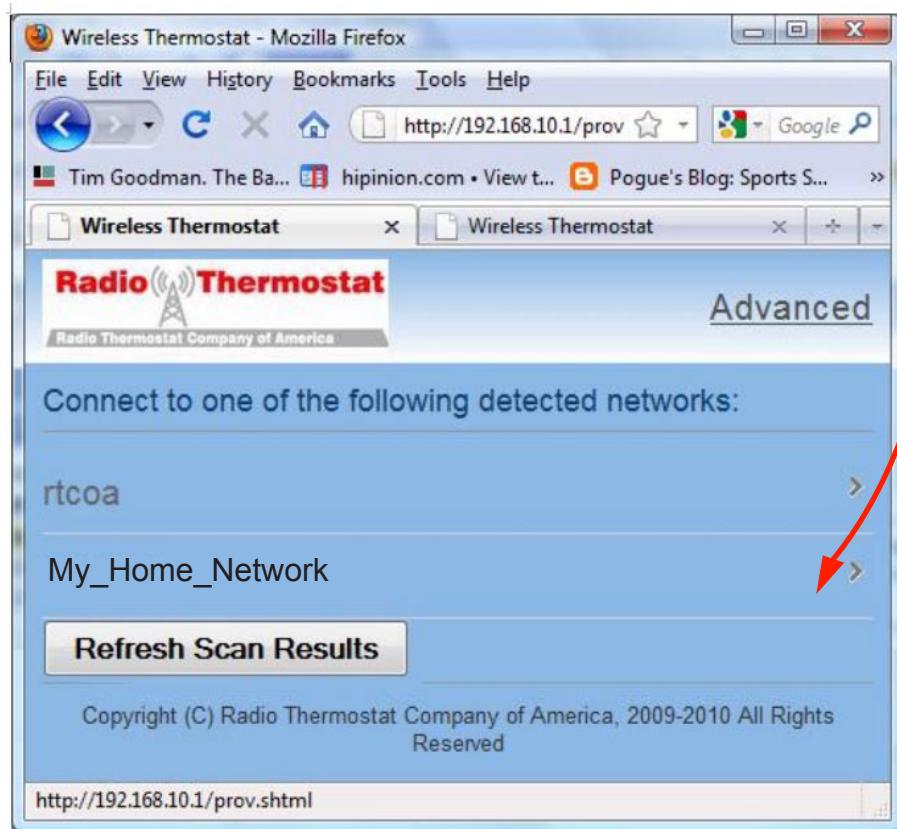
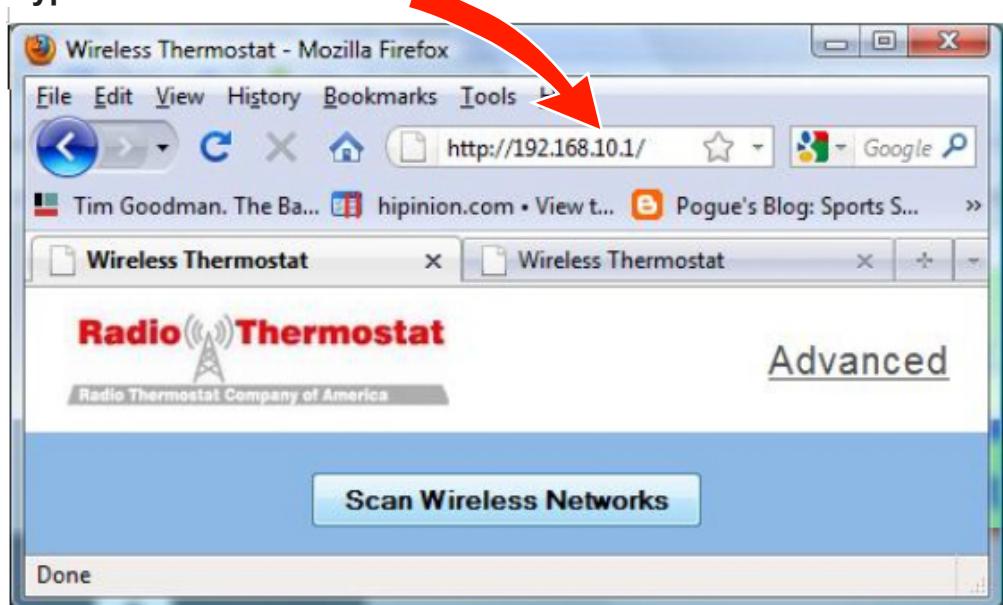
STEP 2

Open your web browser and enter the address

[http:// 192.168.10.1](http://192.168.10.1). The following page will load. For the most common setups click "Scan Wireless Networks". This will tell the thermostat to look for your home wireless network.

After a few moments you will see a list of available wireless networks displayed in the window. Click on your home network to join. This joins the thermostat to your home network.

Type 192.168.10.1 in here



STEP 3

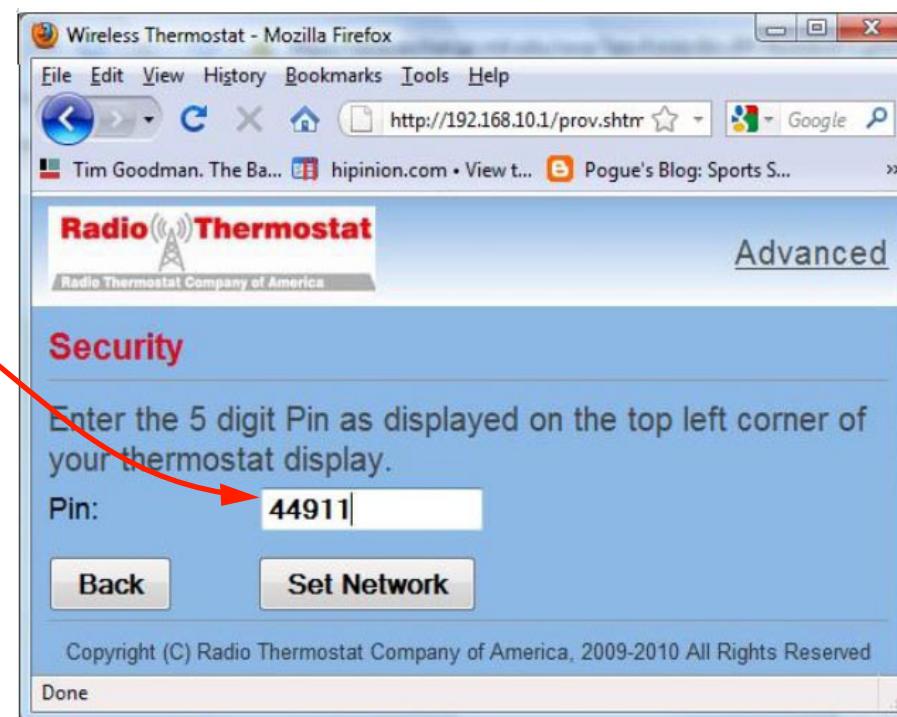
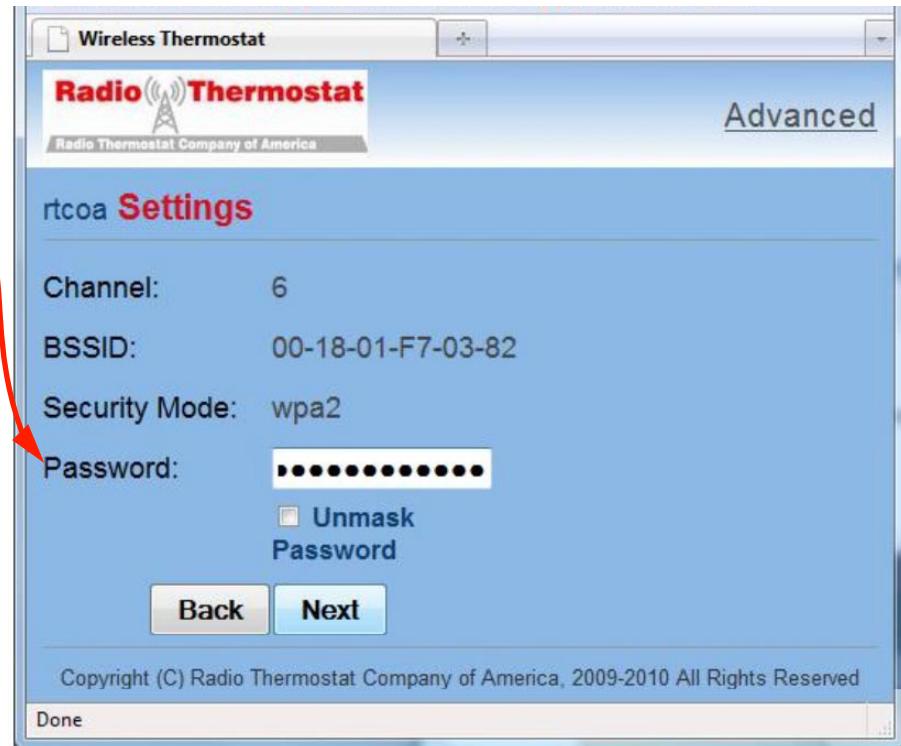
This is the screen where you enter your **Password** for your wireless network. This is the same password you would use to connect your laptop or smartphone to your home wireless network. Enter your passphrase and press the next button.

NOTE: We DO NOT support WEP security protocol.

WPA2 password is limited to 31 characters - if your password is 32-63 characters, you'll need to change your password.

For your protection we encrypt all data transmitted over Wi-Fi with industry proven security methods. This ensures that nobody else can gain access to your thermostat during this configuration process.

To find your PIN look at the top left hand corner of your thermostat. Enter this PIN into the **Pin:** text box. [In this example the PIN is 44911.] After this, click **Set Network** to proceed.



STEP 4

The Wi-Fi thermostat will now attempt to join your home network. If this is successful the green light on the thermostat will start to blink, and the word “link” will appear on the screen of the thermostat.

In addition the last three digits of the thermostat's IP address will be displayed in the top left hand corner of the screen.

In this case the IP address of the thermostat is 192.168.1.14. You can see the “14” on the screen.
NOTE: If you are using an apple router you need to use static IP addressing

The PROVISIONING DONE screen will display in your browser. It shows details about the configuration of your WiFi module. Some thing like:

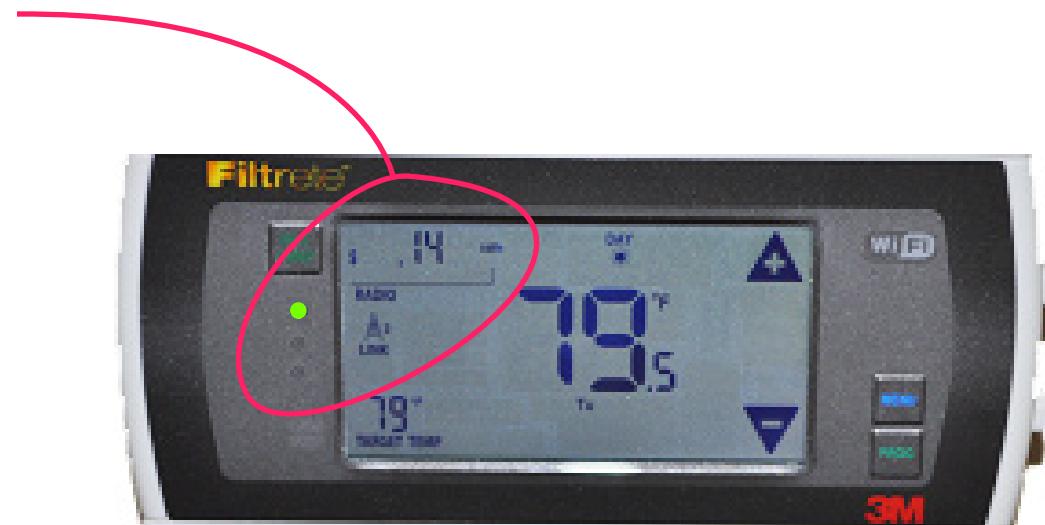
SSID: My_Home_Network
BSSID: 00-18-01-F7-03-82
Security: wpa2
IP: Dynamic

When you verify the green indicator on the thermostat you can close your browser window.

If there is an error in the setup process then the red light will flash. This many happen because:
-you did not enter the security password correctly
-or the connection was momentarily lost.

After a few minutes the thermostat will return to its Ready to Connect state with the yellow light flashing.

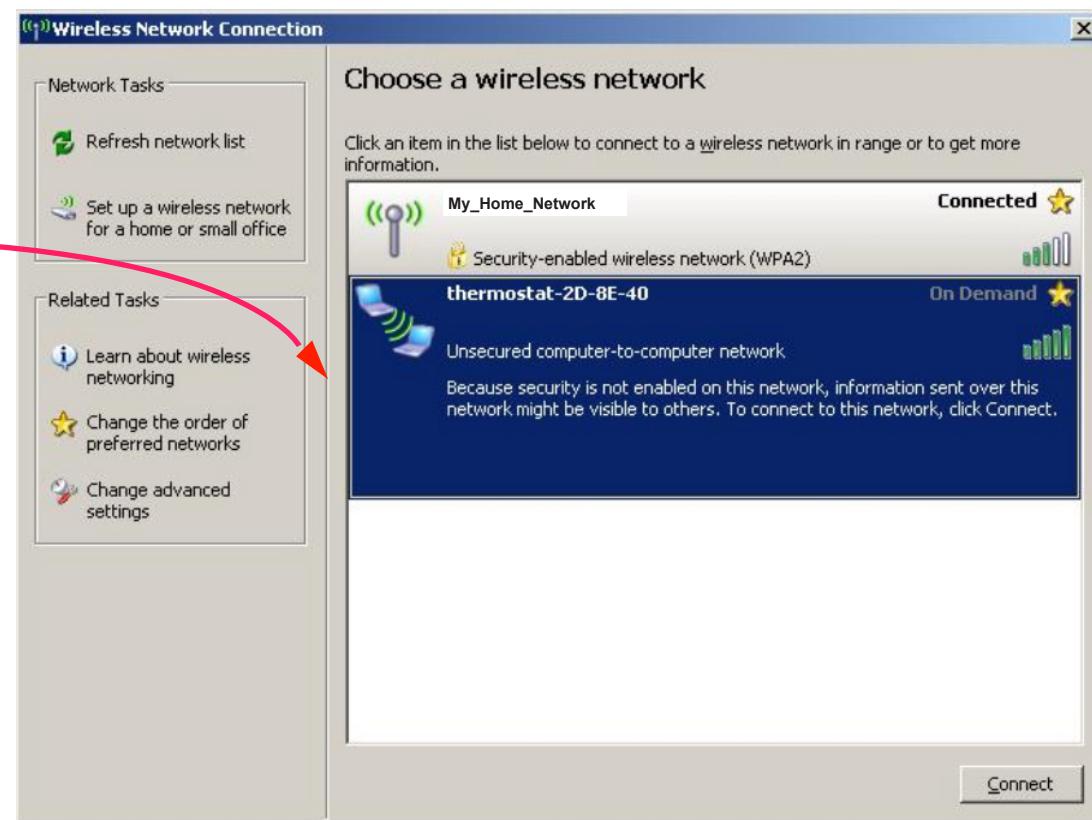
Please try again and repeat this guide from STEP 1.



STEP 5

When the Provisioning process is completed successfully, we need to connect your computer back to your home network. Do this by clicking on the start menu, then connect to, and finally double clicking the name of your home network.

Your WiFi module is configured. Now go to radiothermostat.com/wifi create an account and login to control your thermostat remotely and save energy!



Wireless Network Configuration

SSID:

Security: None

Provisioning Pin:

IP Address: DHCP

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Using the Advanced tab -

Each WiFi setup screen has an ADVNACED tab. This will manually allow you to set the parameters for your network, including a static IP.

When in provisioning mode, click on “advanced” tab in the upper right hand corner of the screen.

Change the IP address setting to “static”

When setting up a static IP:

- Make sure the thermostat is on the same sub-domain as the router
- Example: If router domain is 10.0.1.1, then set the thermostat to 10.0.1.20
- Make sure it is within the right IP address range
- Select proper gateway address.