

## Connecting to the Wi-Fi Club network

What follows are instructions for how to connect to the Wi-Fi Club network using the operating systems shown below. After following these instructions, if you have issues connecting to the network, please email WiFi Club support at [si.wificlub@gmail.com](mailto:si.wificlub@gmail.com). You could also contact Chris Coyne or Justin Denning if we're readily available, but the email address is the more reliable approach and reaches both Chris and Justin.

<b>Operating System</b>	<b>Page</b>
WiFi Club Web Site -----	<a href="#">2</a>
Android -----	<a href="#">5</a>
Android devices that must rely on the club's certificate package (typically Samsung and LG devices) -----	<a href="#">12</a>
iOS (Apple iPhones and iPads) -----	<a href="#">19</a>
Microsoft Windows 10 (PC Laptops) -----	<a href="#">23</a>
macOS (Apple MacBooks) -----	<a href="#">40</a>

## WiFi Club Web Site

Towards the end of 2019, the WiFi Club transitioned to a web site (<https://wifiaccts.net>) for keeping members informed of their dues status, distributing Wi-Fi network credentials, and, more recently, receiving funds electronically. Below is an image of the home page. If you don't already have an account, then you'll need to click the "Register" link as shown below.



### WiFi Club

Bldg 1600  
Edwards AFB

[Help](#)

Please Login Or Register To Manage Your WiFi Club Account

Login

Email Address

Password

[Forgot Password](#)

## Building 1600 WiFi Club Keeps You Connected!

Welcome to the Edwards AFB Building 1600 WiFi Club management system. Through this system you can:

- Create your management account
- Create/view your WiFi credentials
- Renew your membership (mostly automatic)
- Receive automated emails when your account requires your attention

Once you have created your management account, you can purchase WiFi club credit from an administrator. Once you have a balance greater than one months dues, you can create your WiFi account which will generate your WiFi login credentials. You will use those credentials to login to the WiFi Club WiFi on your devices.

After your WiFi account is active, the system will automatically renew it by deducting the monthly dues (currently \$2.00/month) from your credit balance when it expires. When your balance gets too low, the system will send you an email warning you that it was unable to renew. You will have until the 15th of the month to purchase more credit and manually renew your account, or it will be automatically deleted. Once deleted, it can be manually recreated at any time, but the system will generate a new password and certificate so you will need to reconfigure all of your devices.

Contact an administrator (Justin or Chris) at  
[si.wificlub@gmail.com](mailto:si.wificlub@gmail.com)

Below is an image of the registration screen. It's highly recommended to read the entire "User Agreement" before accepting it.



## WiFi Club

Bldg 1600  
Edwards AFB

[Help](#)

### Complete User Registration To Manage Your WiFi Club Account

Bldg 1600 WiFi Club is currently only available to ENI/MXI (812th AITS) personnel. If you are not part of ENI/MXI, please contact administrator for more information before attempting to register

#### Register

##### Name



##### Valid Email Address



##### Password



#### User Agreement

##### Purpose of the Wi-Fi Club

The intent of this service is to provide users with a connection to the internet for such things as checking personal email, streaming audio, social media, VOIP calls, surfing the web, etc. Additionally, this connection should be faster and more reliable than using cellular service. High bandwidth activities such as downloading large files or streaming high definition, feature length movies are not acceptable uses of this service, since they can quickly render the connection very slow for all users.

##### Terms and Conditions

The first of each month is when the monthly payment is due. If payment is not received by the 14th, the user's account will be deleted. A new password and certificate may be generated after receipt of payment. Dues will not be prorated as part of joining or leaving the club. If the user joins by the 14th, their payment will cover that month, whereas if they join on the 15th or later, the payment will be applied to the next month. Regarding departures, the credit balance in the account will be returned. Paying in advance is encouraged to help ensure continuous service.

By accepting this Wi-Fi Club User Agreement, you agree to safeguard your credentials (i. e. username, password, and certificate) for logging into the Wi-Fi Club network. While this means you shall not provide your credentials to other users, you may use those credentials on as many of your devices as you wish. You also hereby expressly acknowledge and agree that there are significant

I Accept the User Agreement

Contact an administrator (Justin or Chris) at  
si.wificlub@gmail.com


After registering, there's an email verification process. Once that's complete, let Chris or Justin know so that they can unlock the account to receive payment. This additional step is necessary because, as the registration page states, membership is currently limited to ENI/MXI personnel only, so it's necessary to verify a prospective member's affiliation before receiving payment. After the account is unlocked, payment can either be made via credit card through the Stripe payment service or via cash. Given the current teleworking environment, getting cash to either Chris or Justin can be somewhat challenging, so paying by credit card is recommended. After payment is received, a member's account page looks like that shown below. This document often uses the term "username" and "password" and these pieces of information can be found in the areas as shown below. Taping or clicking on "Show Password" will reveal your Wi-Fi network password.

WiFi Details

---

Account Status: Monthly Dues: \$ 2.00  
**Active** (auto renews 2021-01-01)

Username: **ctest01**      Password:

SSL Cert Package (please see instructions): 

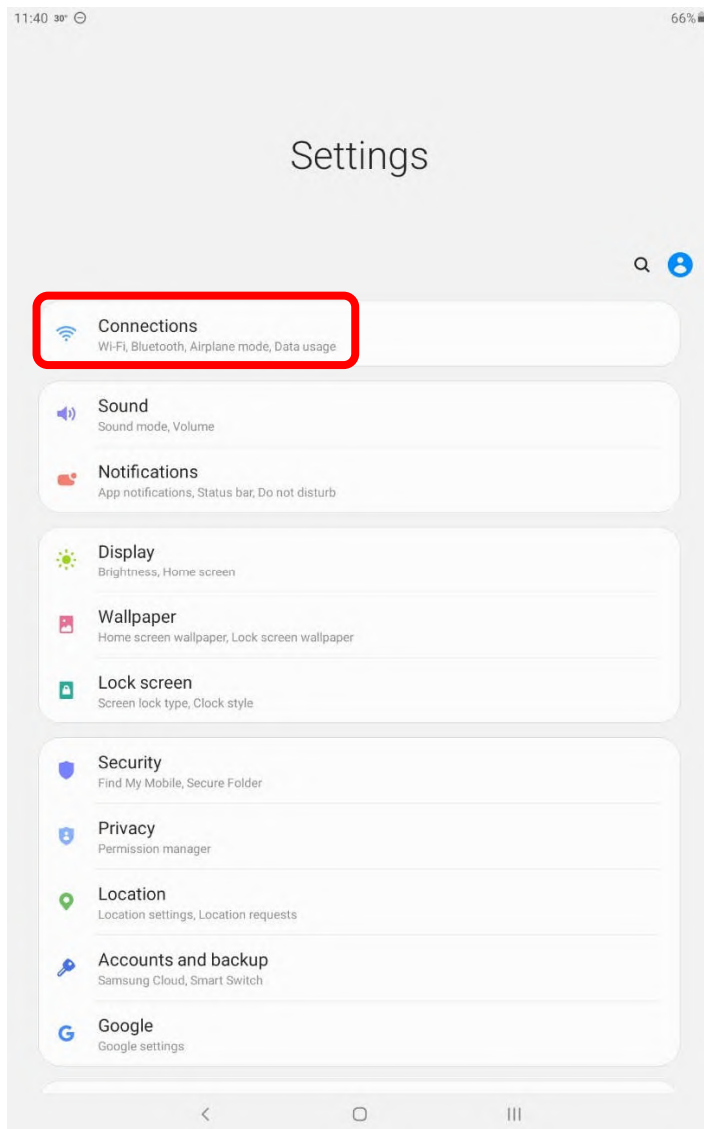
[Please read these instructions](#)

Accessing your account page from the device that you're trying to setup is ideal, since you can tap or click "Show Password" and then select and copy the password to paste it as needed during the setup process.

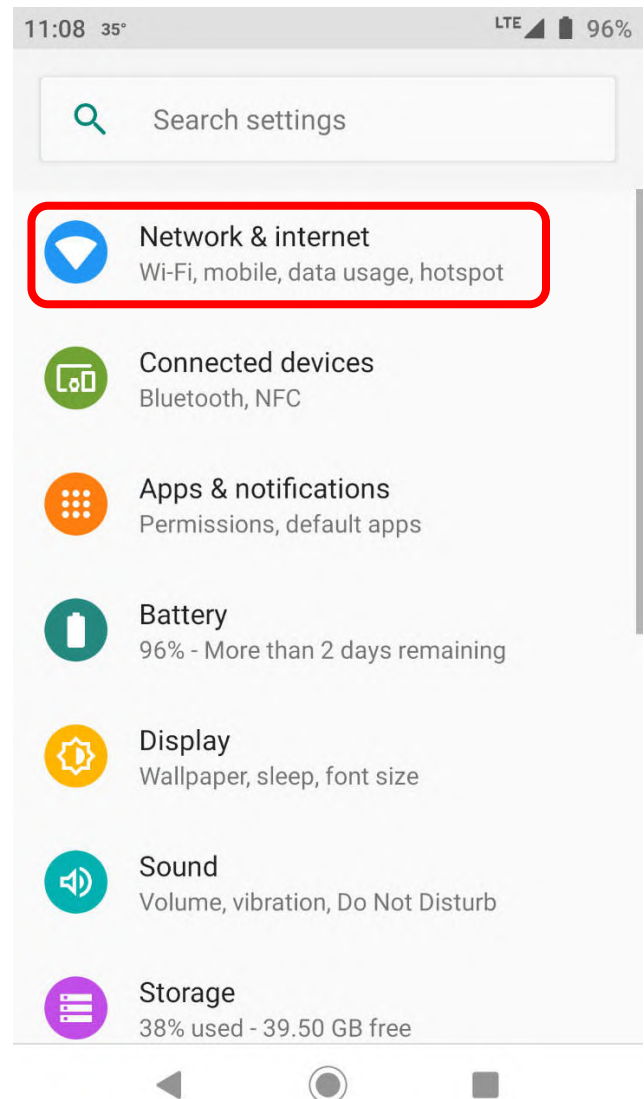
# Android

Below are examples of two “Settings” screens to start the network joining process.

**Samsung Tab A 10.1 (2019 - Android 10)**

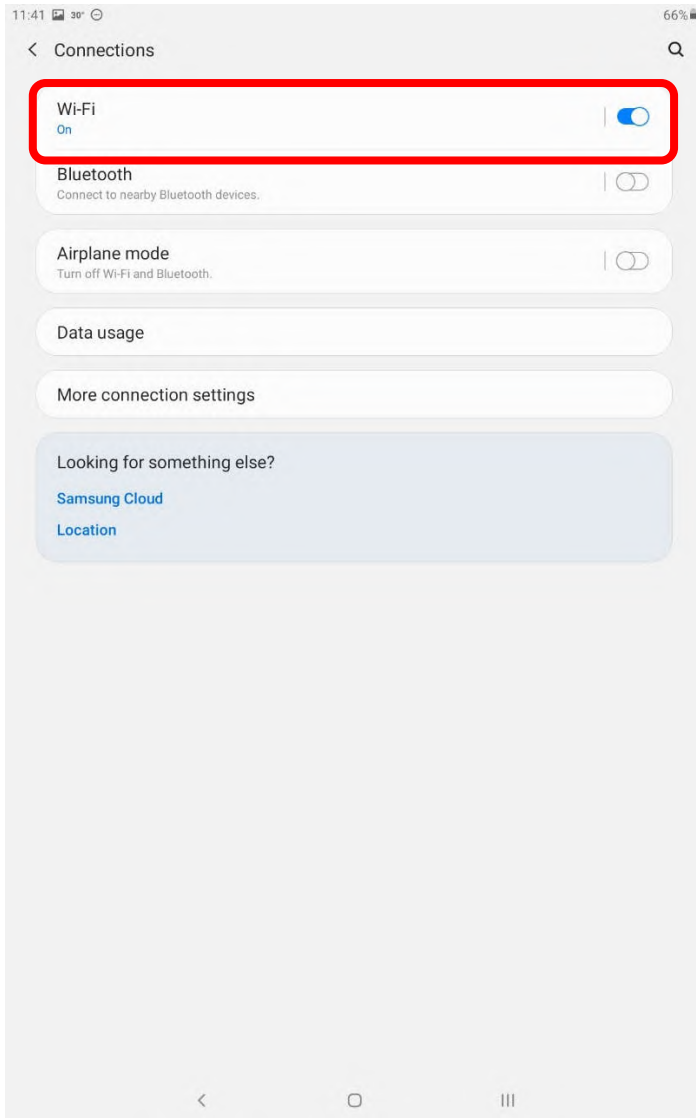


**Motorola Moto X4 (Android 9)**

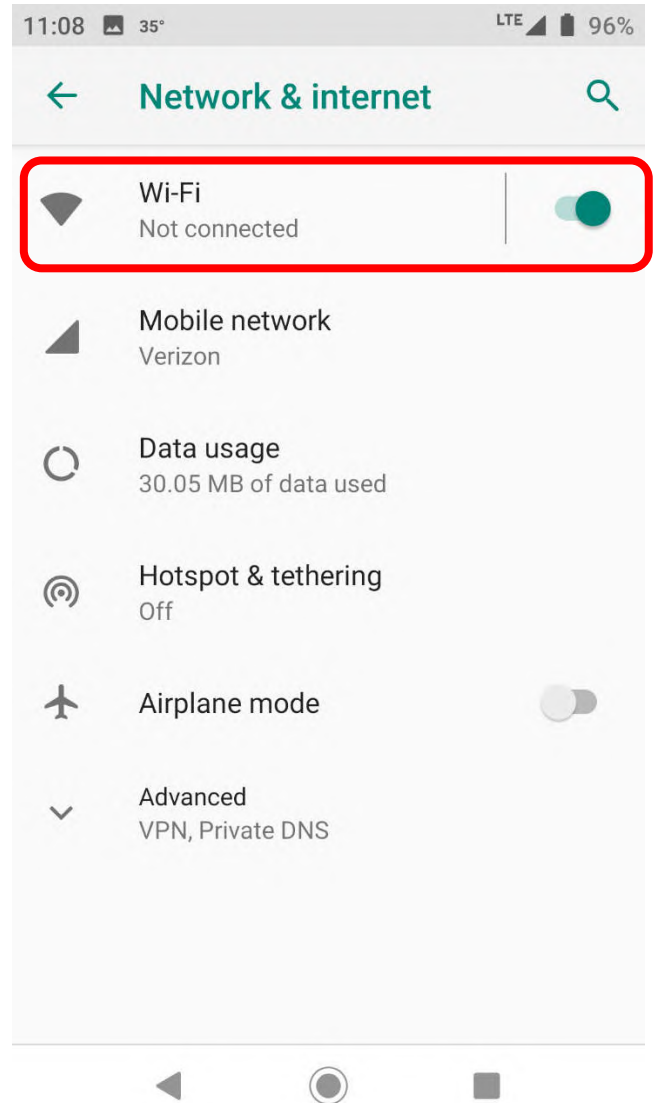


After reaching the “Connections” or “Network & internet” screen, tap on the “Wi-Fi” item as shown blow.

### Samsung Tab A 10.1 (2019 - Android 10)

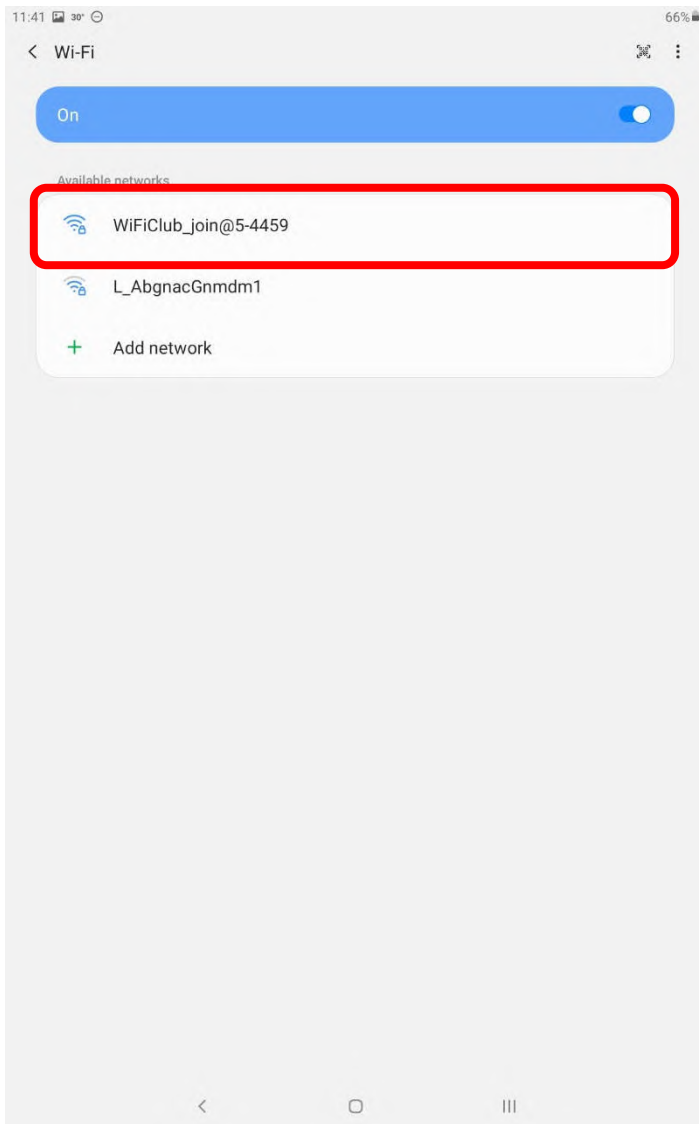


### Motorola Moto X4 (Android 9)

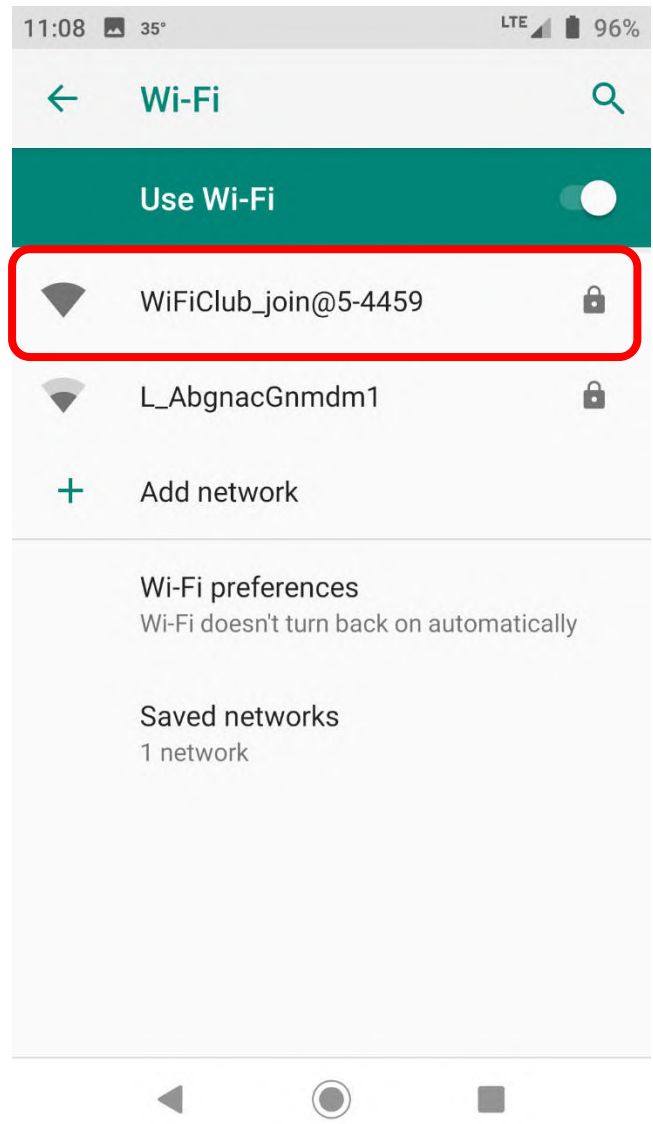


Once within the “Wi-Fi” section, select the club’s Wi-Fi network as shown below.

### Samsung Tab A 10.1 (2019 - Android 10)

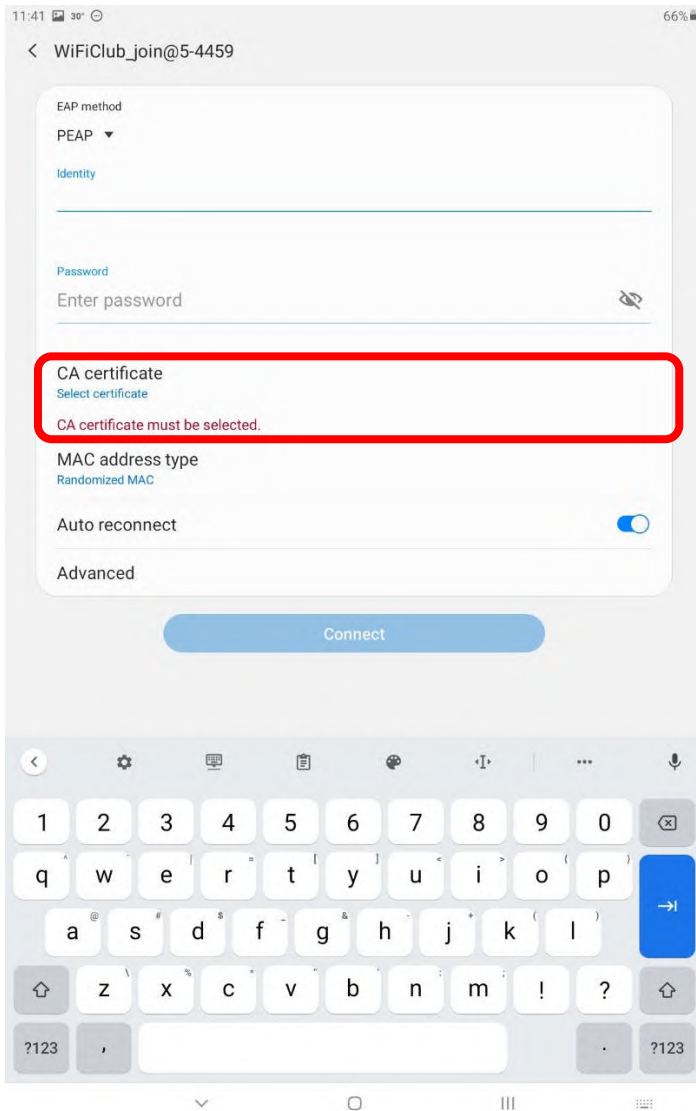


### Motorola Moto X4 (Android 9)

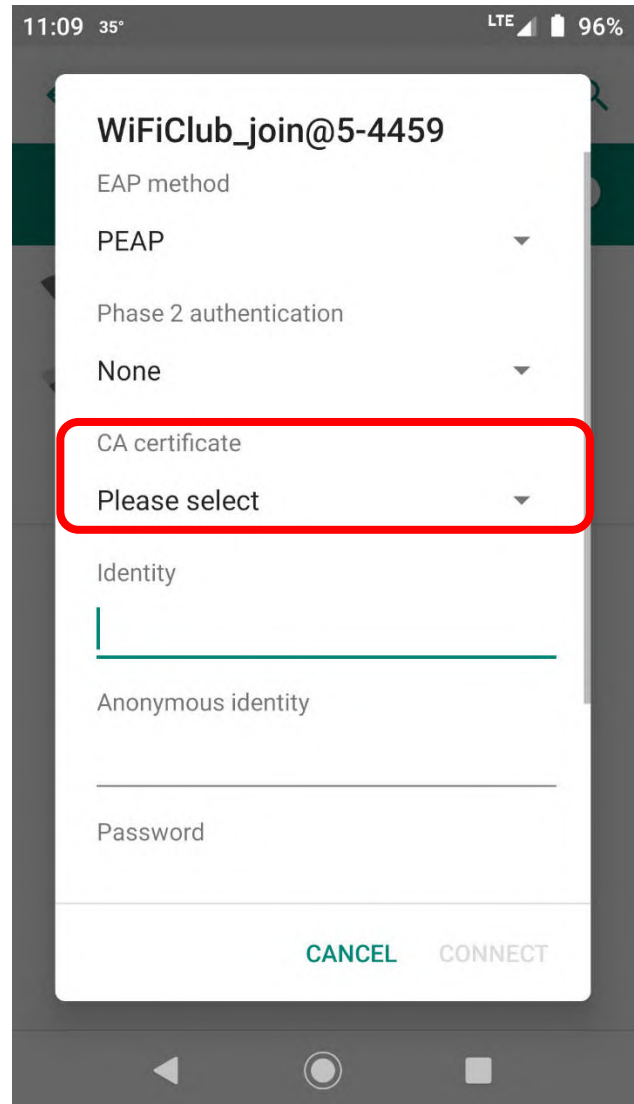


After selecting the club's network, you should be presented with screens similar to the ones shown below. Before proceeding further, it's important to determine whether your device can use Certificate Authorities (CA). Immediately go to the area of the screen shown below. The next two images will display how to complete the check before proceeding further.

### Samsung Tab A 10.1 (2019 - Android 10)



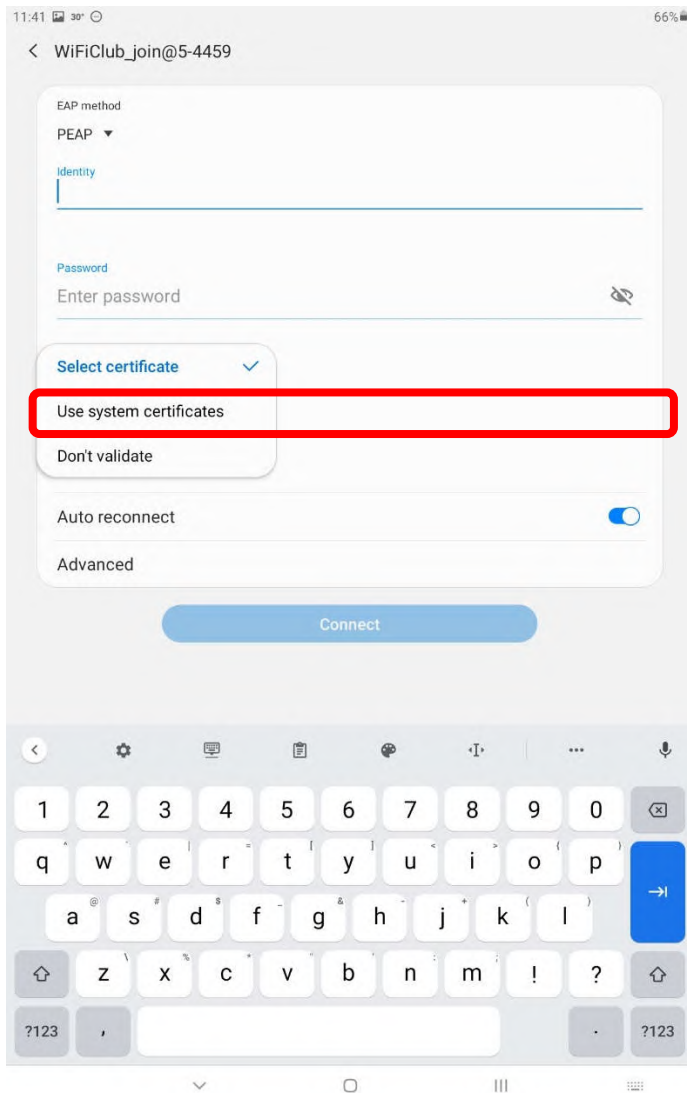
### Motorola Moto X4 (Android 9)



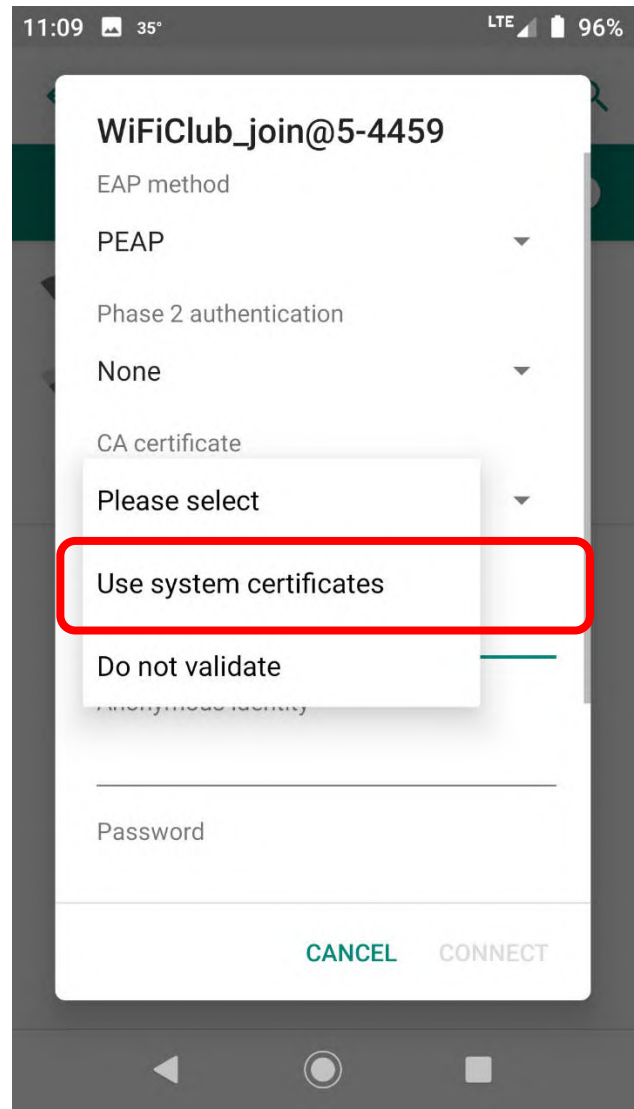


Check to see that you have the option to “Use system certificates”, and, if so, please select that option. If all you are presented with is “Don’t validate” or “Do not validate”, then you need to switch to using the club’s private certificate and certificate authority.

### Samsung Tab A 10.1 (2019 - Android 10)

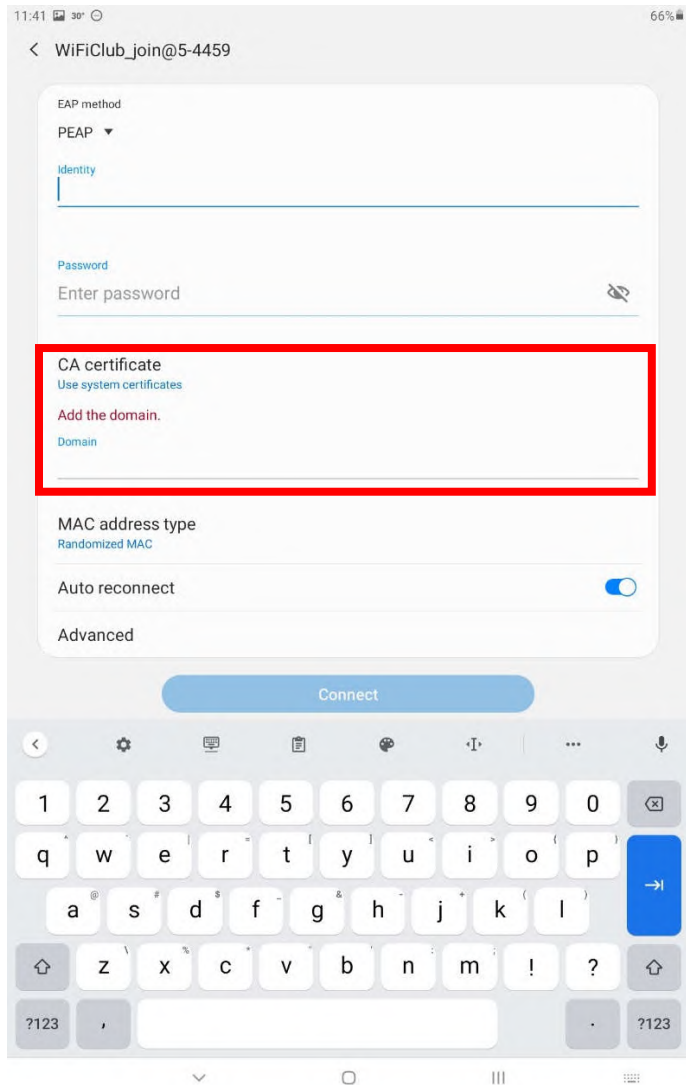


### Motorola Moto X4 (Android 9)

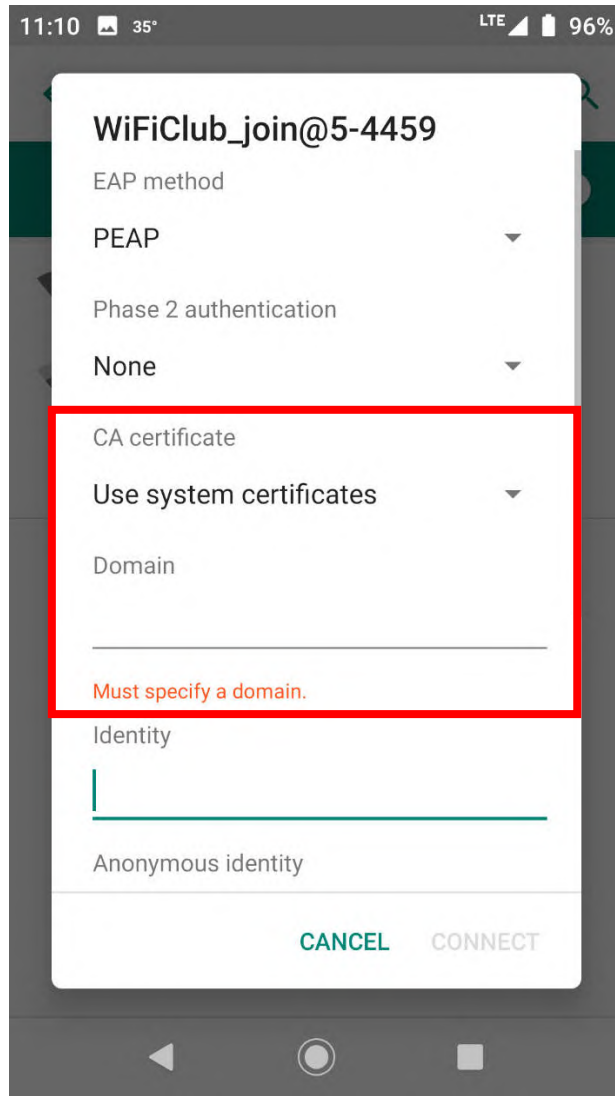


In order for your device to implement the Protected Extensible Authentication Protocol (PEAP) properly it must require a domain as shown below. If you can select "Use system certificates", but are not required to enter a domain, then you need to switch to using the club's private certificate and certificate authority.

### Samsung Tab A 10.1 (2019 - Android 10)

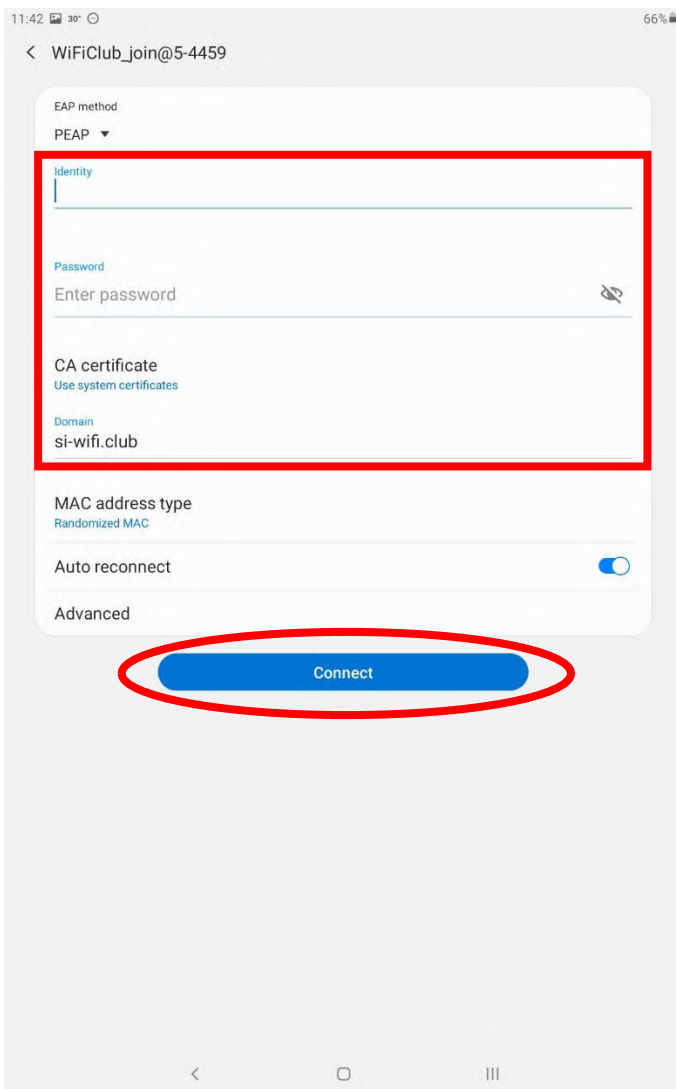


### Motorola Moto X4 (Android 9)

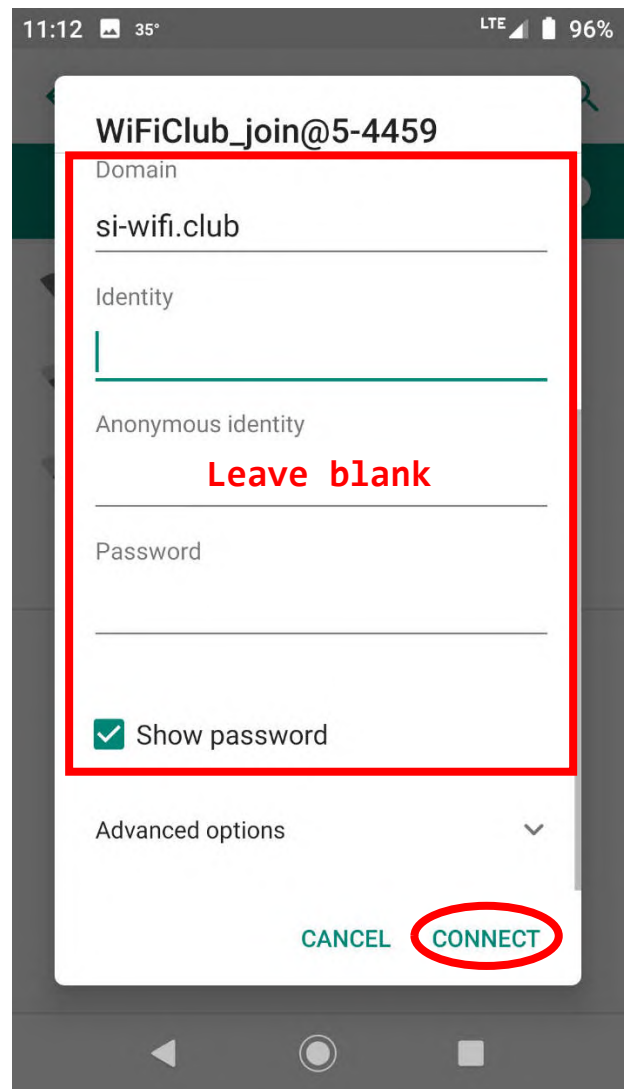


After verifying that your device requires a domain, populate the field with “si-wifi.club”, and then, from WiFi Club account page, type in your username and password in the “Identity” and “Password” fields, respectively. Then tap “Connect”.

### Samsung Tab A 10.1 (2019 - Android 10)



### Motorola Moto X4 (Android 9)



## Android devices that must rely on the club's certificate package (typically Samsung and LG devices)

While any device can use the club's certificate package, those that need it are one's which can't complete the validation/verification process. The process includes validating the server's certificate against a Certificate Authority (CA) and verifying that the server's domain name matches the one entered or approved by the user. We've encountered devices from two manufacturer's that don't complete the process. Samsung devices prior to Android 10 don't appear to make the CAs available for use to validate Wi-Fi WPA2-Enterprise connections. While LG devices make CAs available, they don't require a domain to verify the server's domain. Because these two groups of devices to not fully complete the validation/verification process, we recommend using the club's certificate package.

The following screen shots are from a Samsung Tab A 10.1 (2019) running Android 10. It's being used as the example because, prior to upgrading to Android 10, it needed the club's certificate package.


Before proceeding, it's recommended that you use the Google Chrome browser, because it should automatically unpack and install the certificate package. The first step of obtaining the club's certificate package is to log into your account page on the club's website. Since the site is accessible from any internet connection, this can be done from your home network. Before tapping or clicking the green "SSL" image/link, click or tap the "Show Password" button, so that you can select and copy the password there, since it's what will be needed to decrypt the certificate package. The image below highlights where to click or tap in order to get your password and then start the certificate package download, decrypt, and install process.

WiFi Details

Account Status: Monthly Dues: \$ 2.00

**Active** (auto renews 2021-01-01)

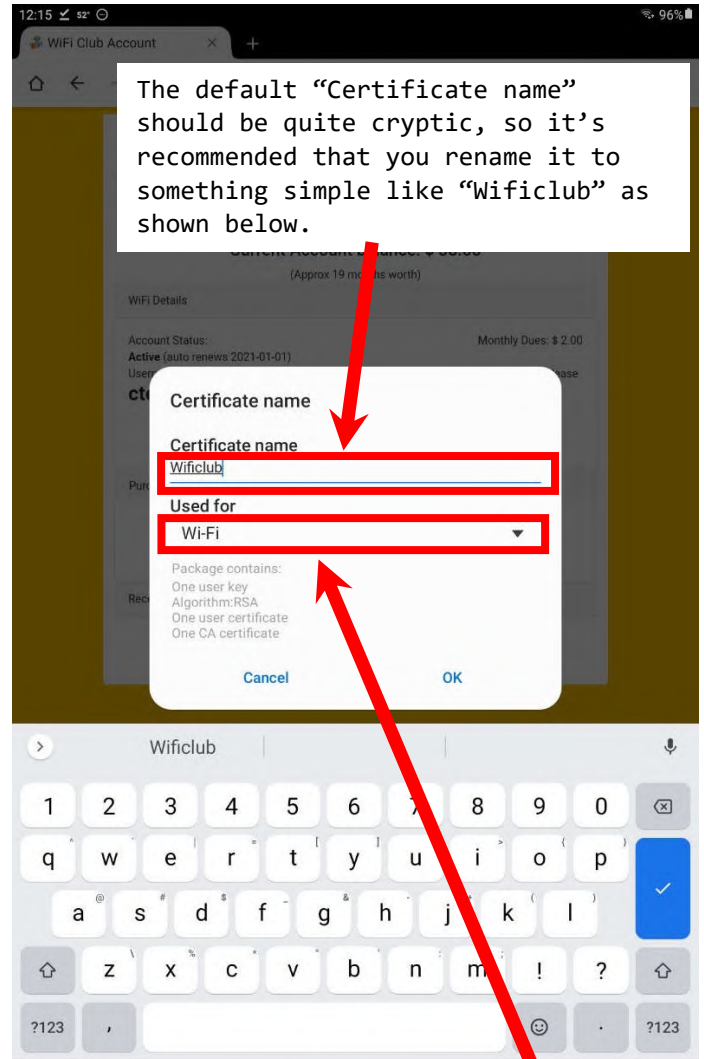
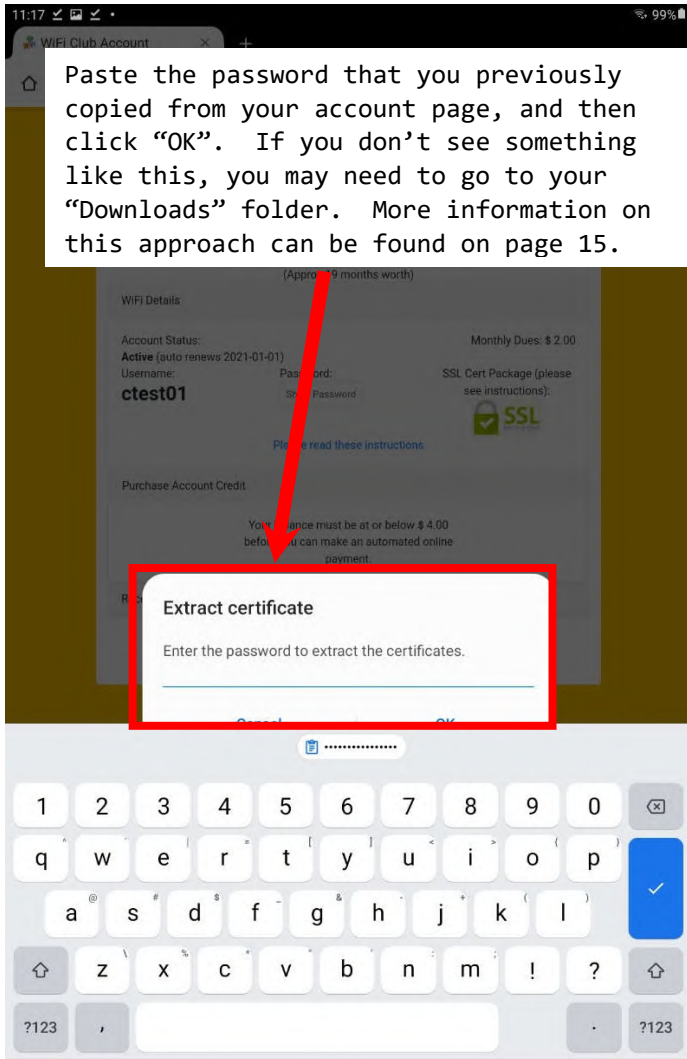
Username: SSL Cert Package (please see instructions):

**ctest01** Password: 

Show Password

[Please read these instructions](#)

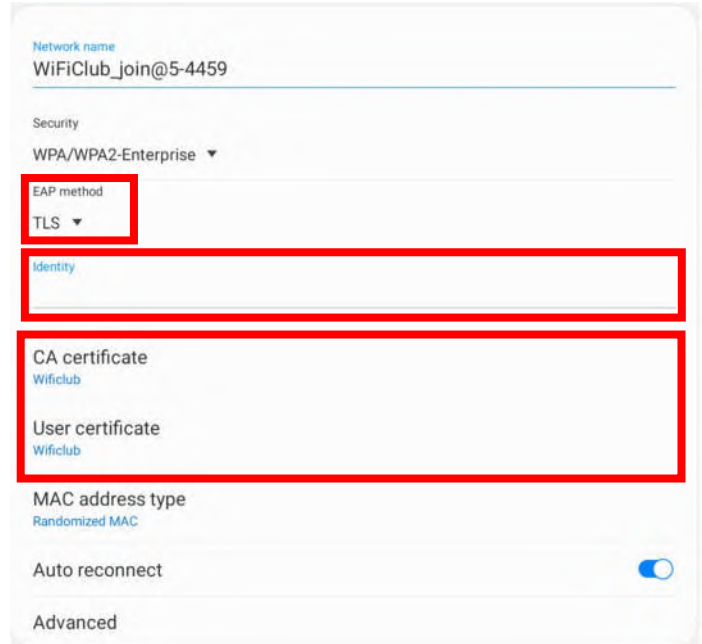
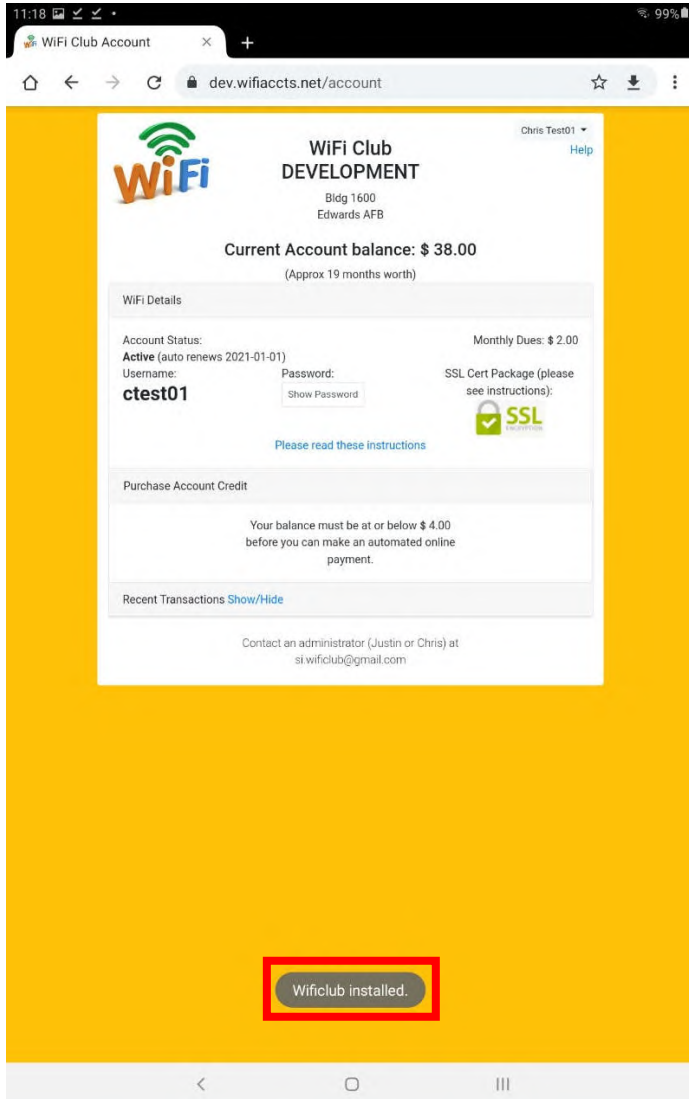
The images below show the certificate decryption and installation process after tapping or clicking the green “SSL” image/link.



The “Used for” field will need to be changed to “Wi-Fi”, since that’s usually not the default. After making the change click “OK”.

The image on the left shows that the installation of the certificate is completed. The image on the right is how the connection is different when using the certificate package.

1. Change “PEAP” to “TLS” (Transport Layer Security).
2. For the “Identity” you’ll enter the username from your club account page.
3. The “CA certificate” and “User certificate” should both have the simple name that you entered as part of decrypting and installing the certificate package.

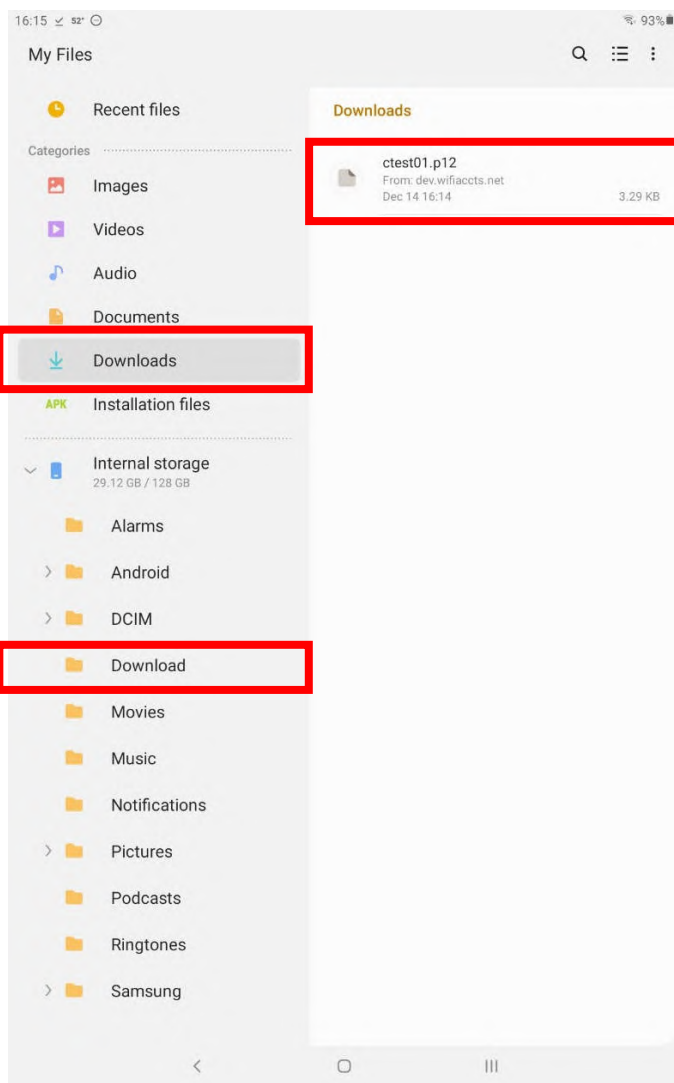
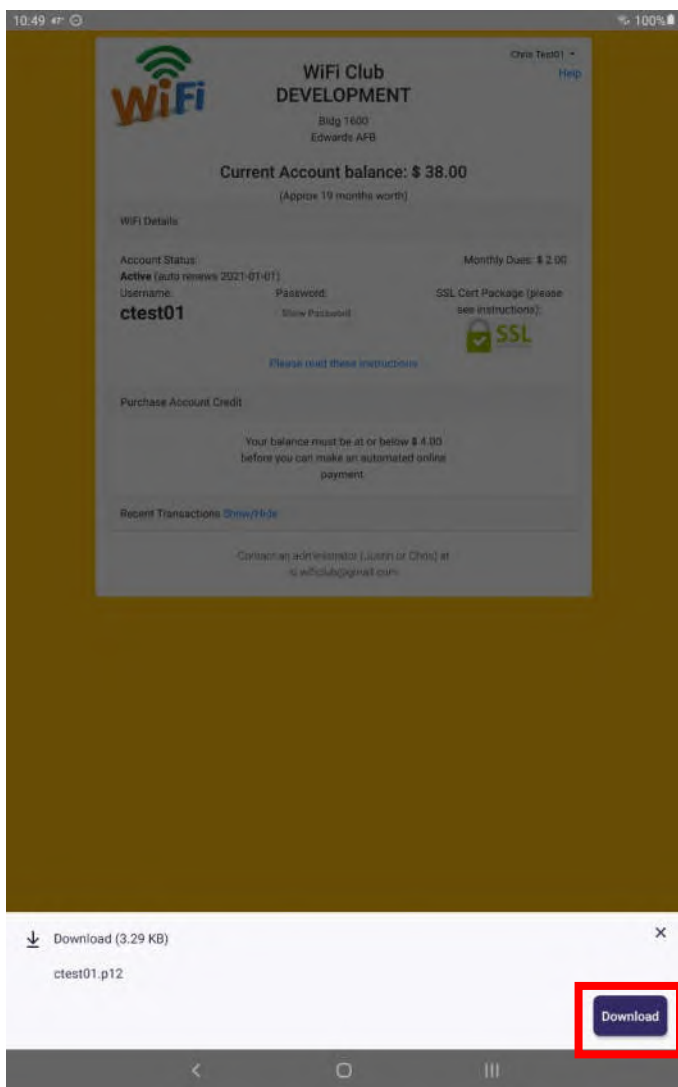


Once that information is entered, you should be able to connect to the network.

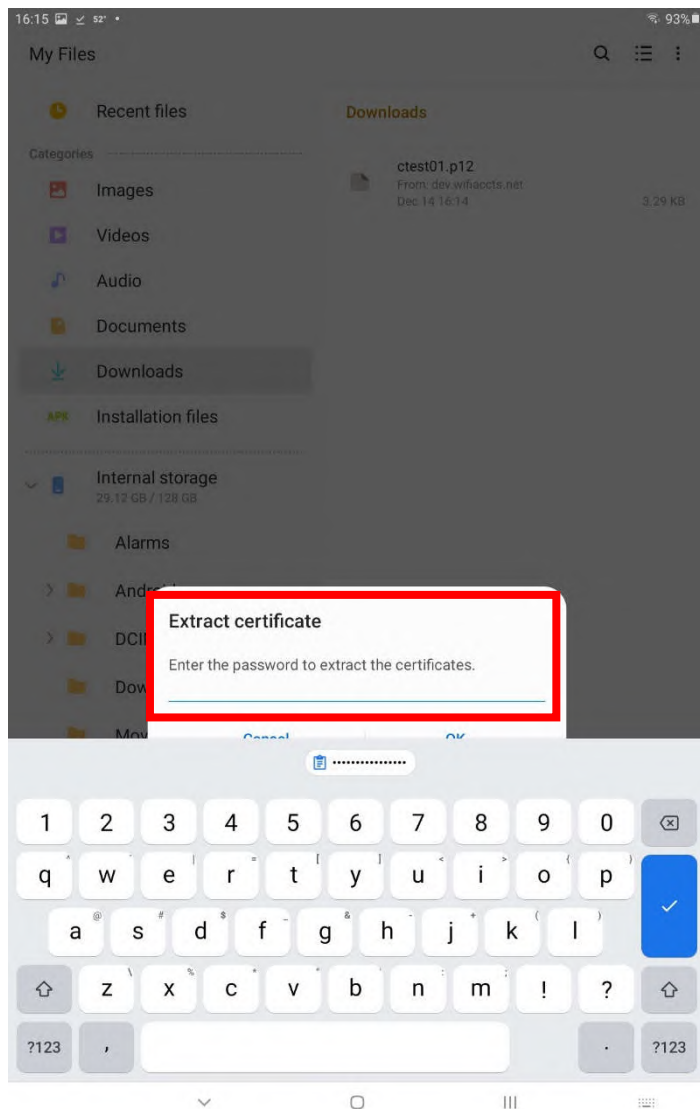
**An example of how to install the certificate package, if you're not given the option to do so in the browser.**

What follows are example images from a Samsung Tab A 10.1 (2019) running Android 10. As with the previous certificate package download, decrypt, and install process, you'll want tap "Show Password" and copy the password from your WiFi Club account page.

The image on the left was captured using Firefox as a browser, which downloaded, rather than installed, the certificate package. Clicking the "Download" button shown will complete the process. Samsung's file explorer app is called "My Files". Other devices may use something similar like "Files". The image on the right shows the likely location for the certificate package. While it should be available in both "locations", it might not be in the "Downloads" section of "Categories", which, if that's the case, you'll need to go to the "Download" folder in the "Internal storage". The file name format will be "username.p12", as shown.

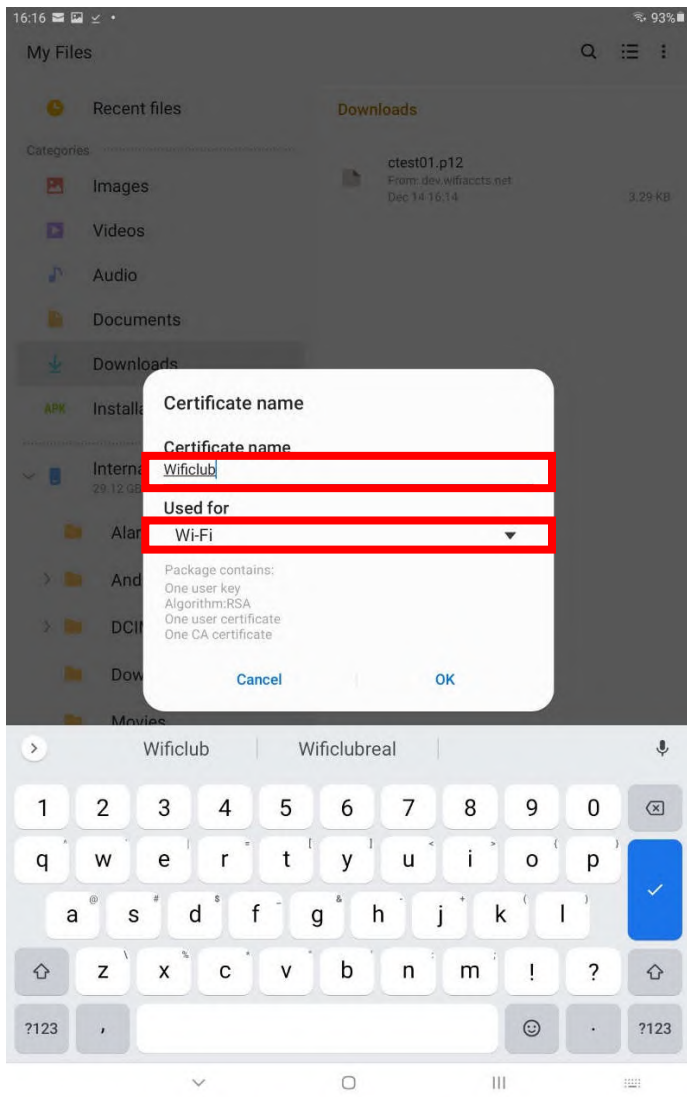
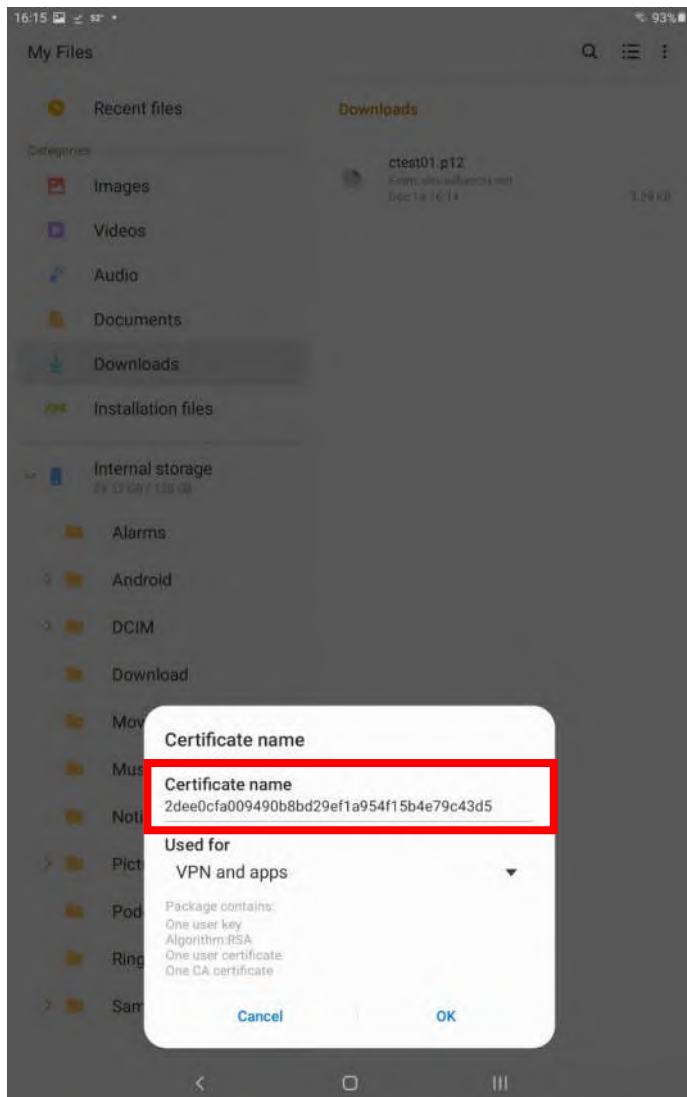


Once you find the “.p12” tap it and you’ll get the screen below. Paste or type in the password from your WiFi Club account page and then tap “OK”.



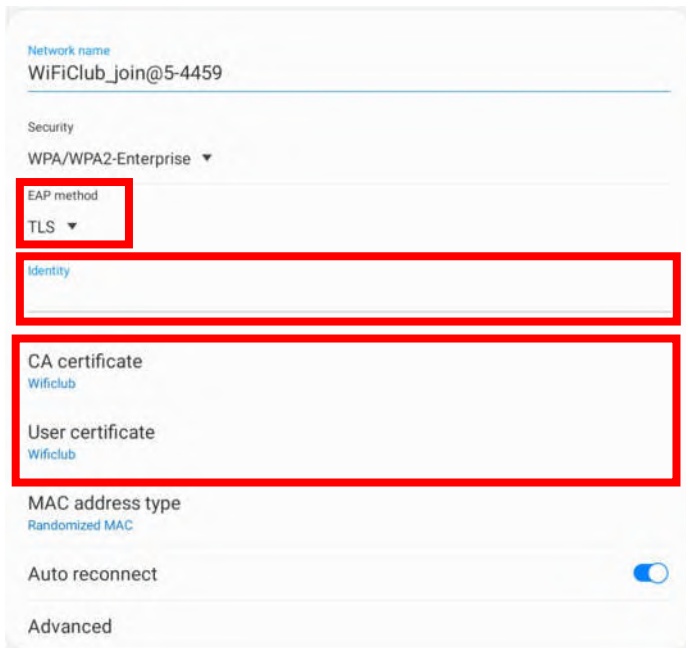
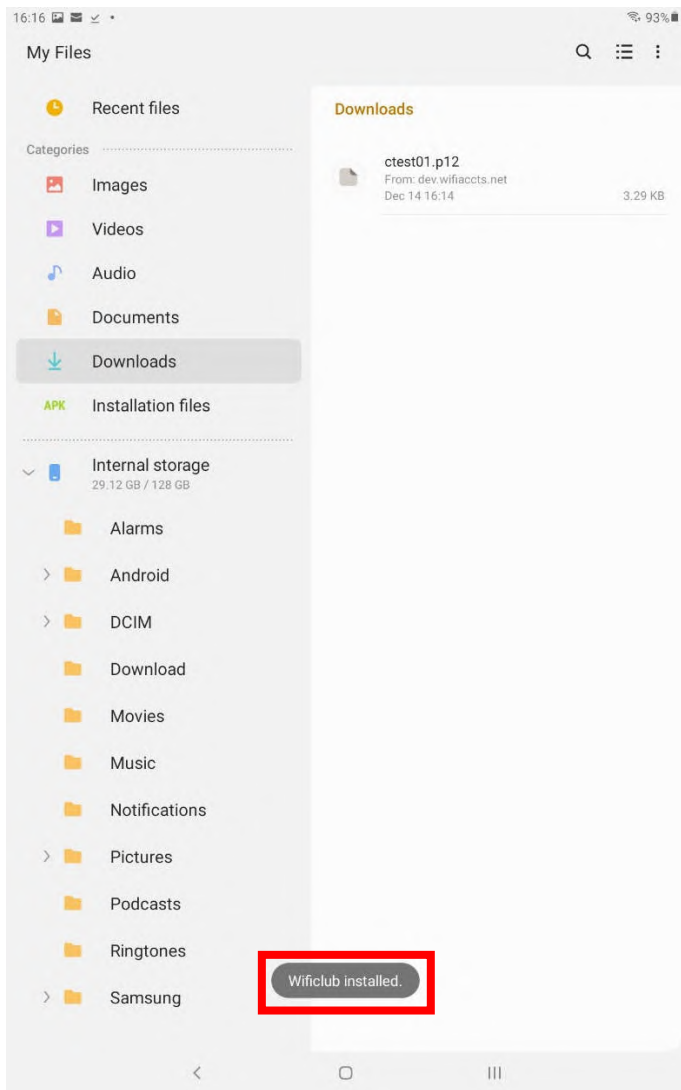


The image on the left shows an example of the cryptic name given to the certificate package contents during the installation process. It's strongly recommended that you change the name to something simple like "Wificlub" as shown on the right. Also change the "Used for" field to "Wi-Fi" as shown and then tap "OK".



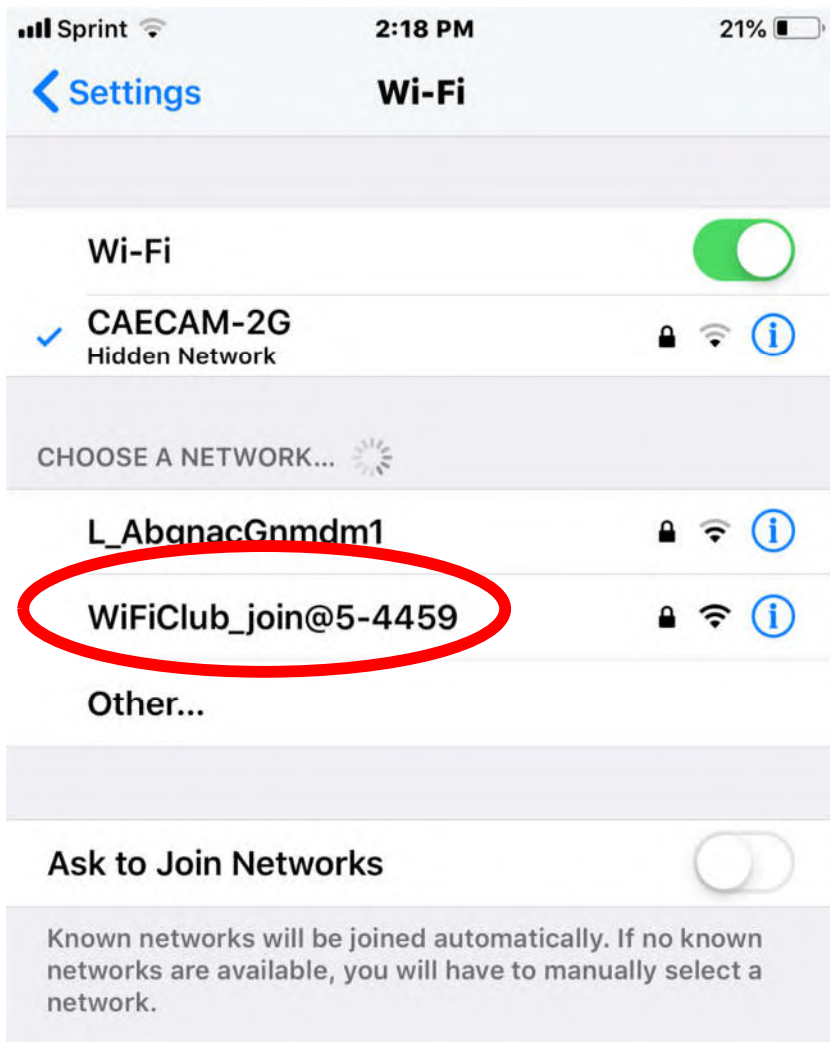
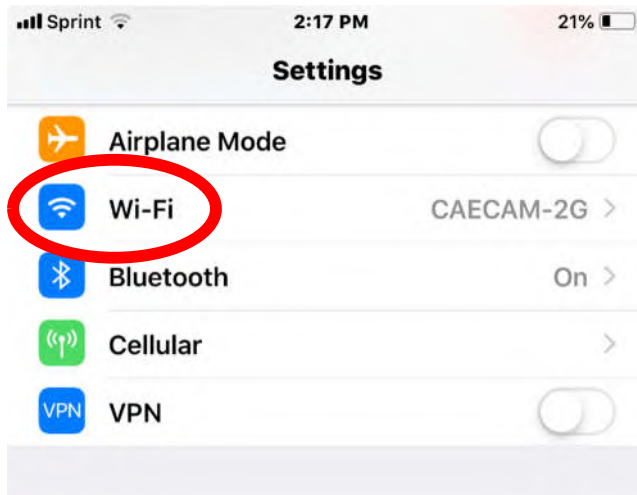
The image on the left shows that the installation of the certificate is completed. The image on the right is how the connection is different when using the certificate package.

1. Change "PEAP" to "TLS" (Transport Layer Security).
2. For the "Identity" you'll enter the username from your club account page.
3. The "CA certificate" and "User certificate" should both have the simple name that you entered as part of decrypting and installing the certificate package.

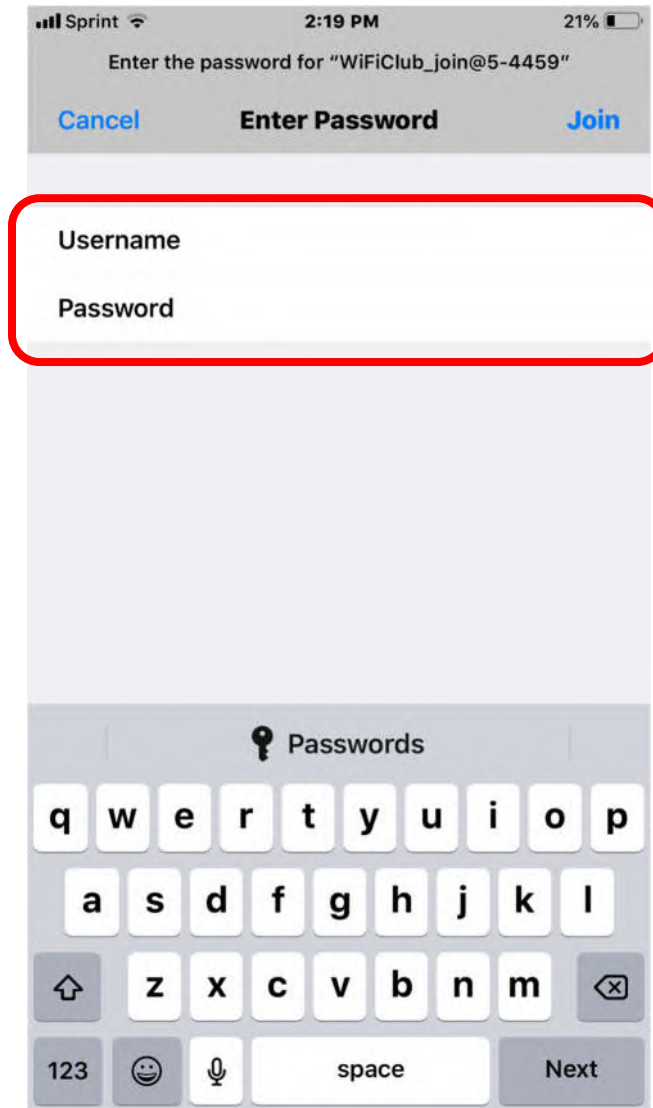


## iOS (i.e. iPhones and iPads)

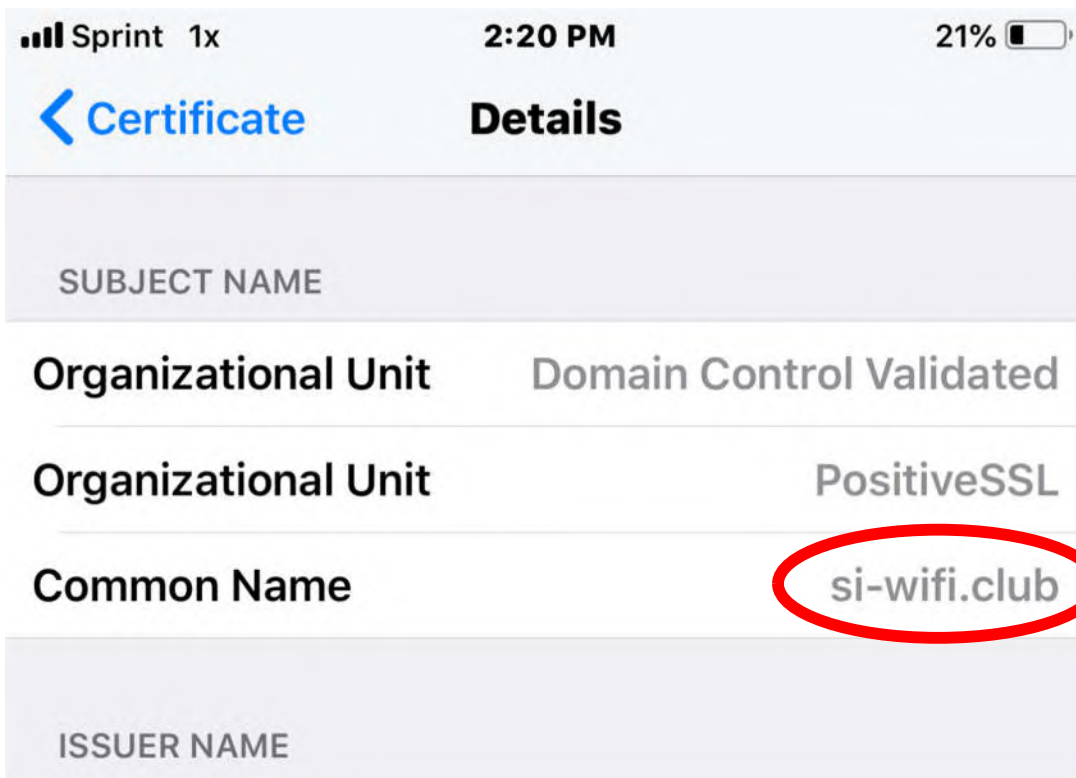
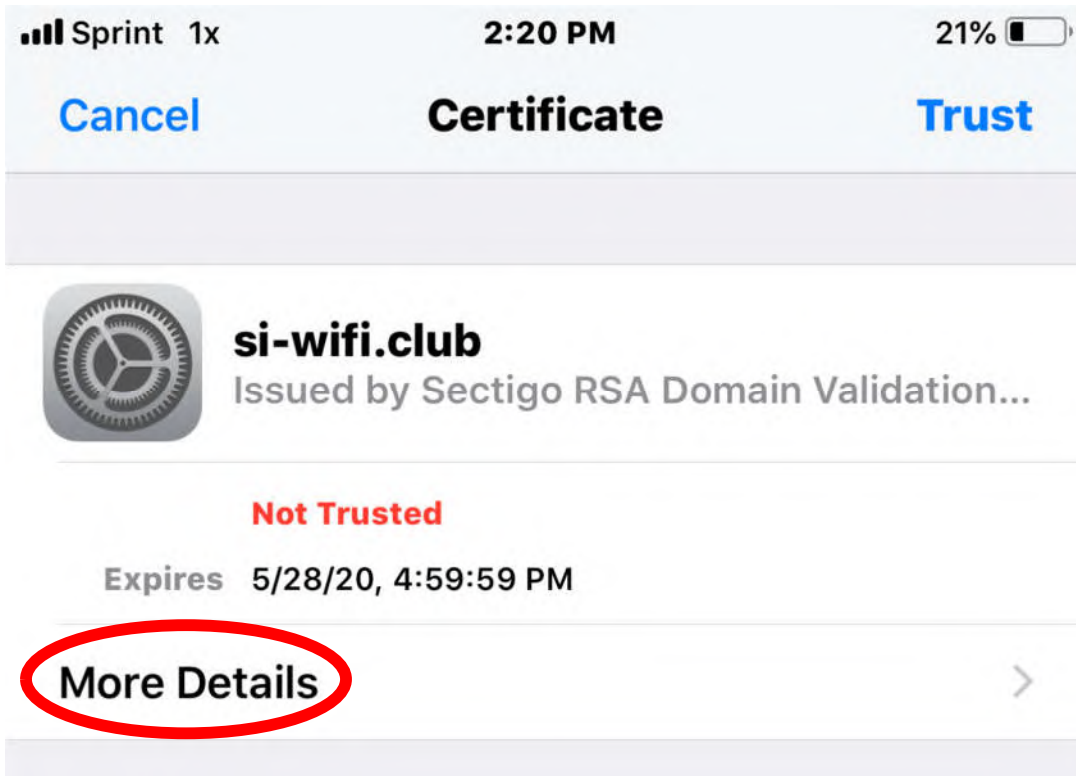
From the “Settings” screen, select “Wi-Fi” and then the club’s network as shown below.



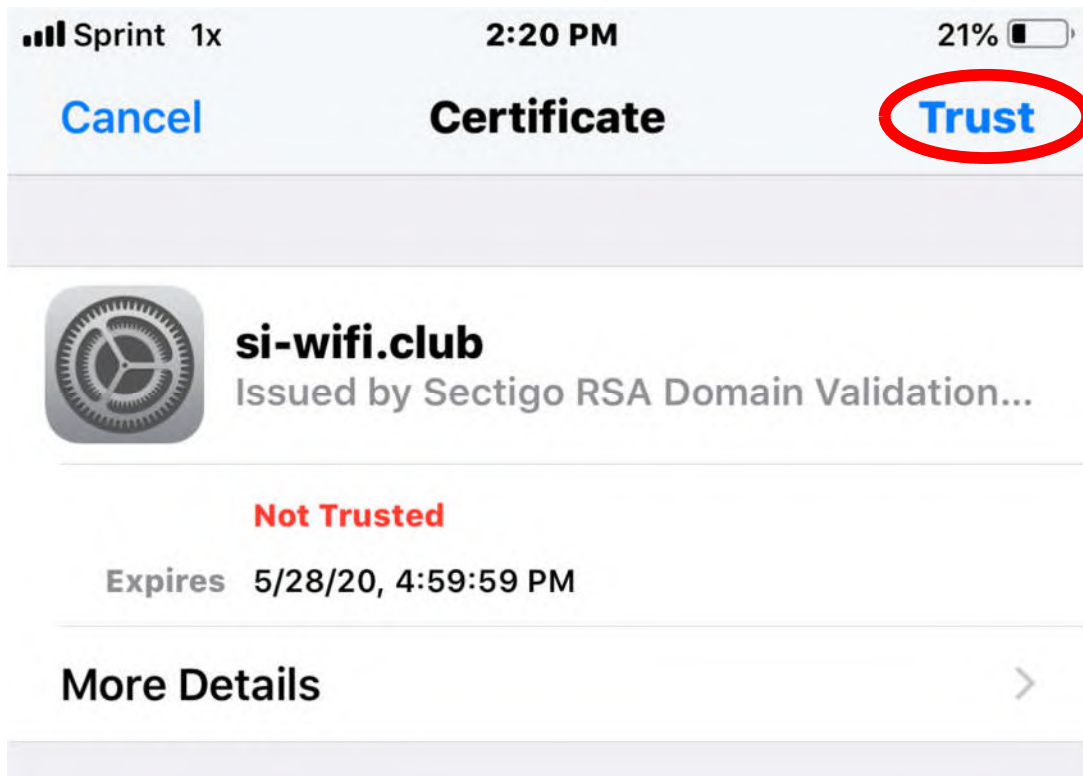
From your WiFi Club account page, enter in your username and password as shown below.



The next screen should show you information about the server's certificate. Select "More Details", verify that the "Common Name" matches the domain si-wifi.club.

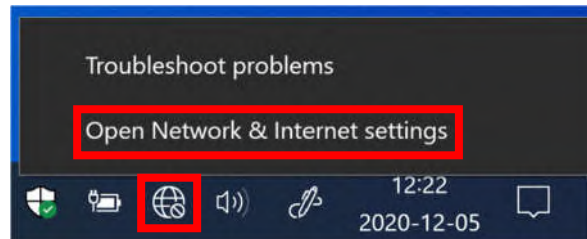


Once the domain has been verified, tap “Certificate” to return to the previous screen, and then tap “Trust”, as shown below. You should then be connected to the network.

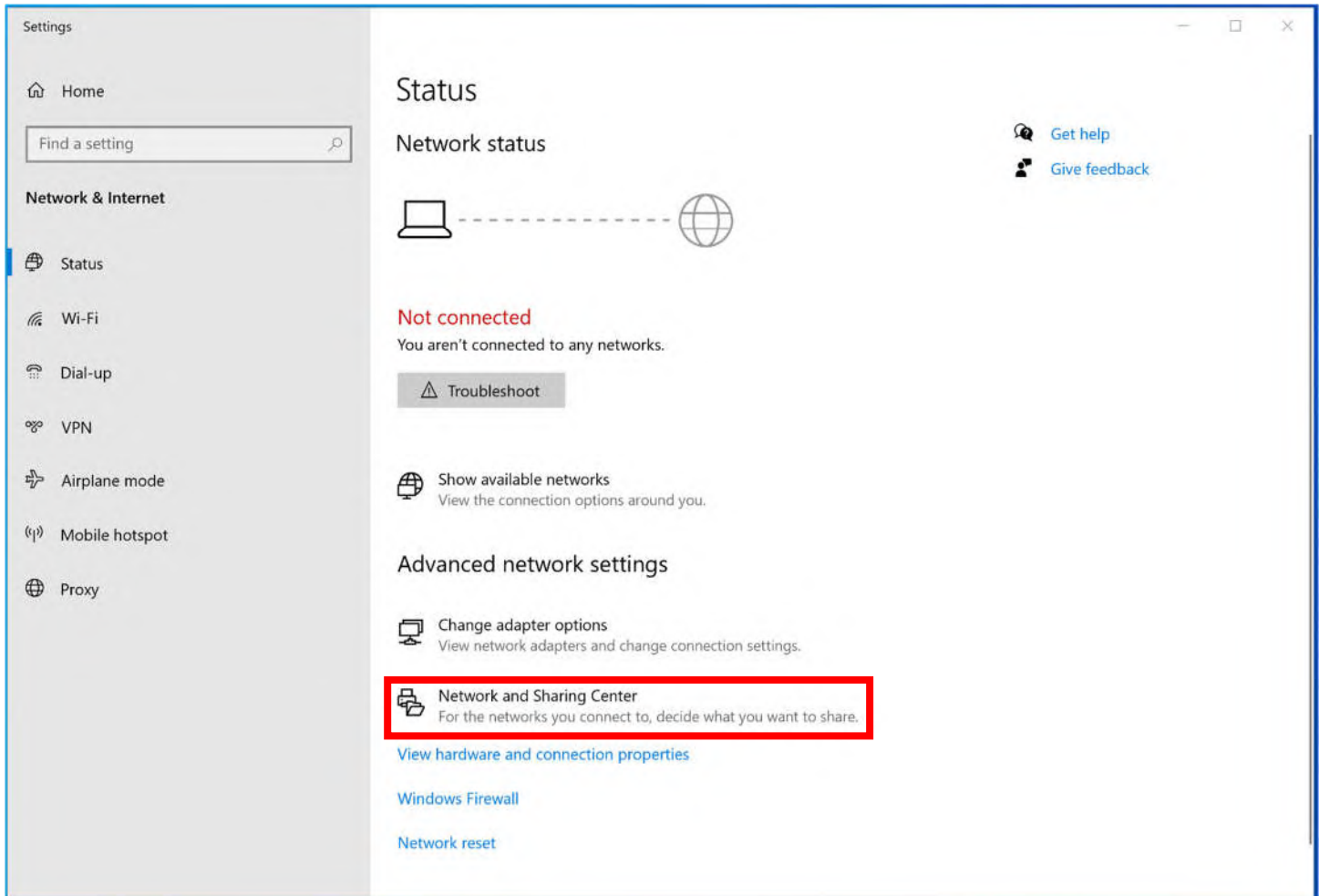


## Microsoft Windows 10 (version 20H2)

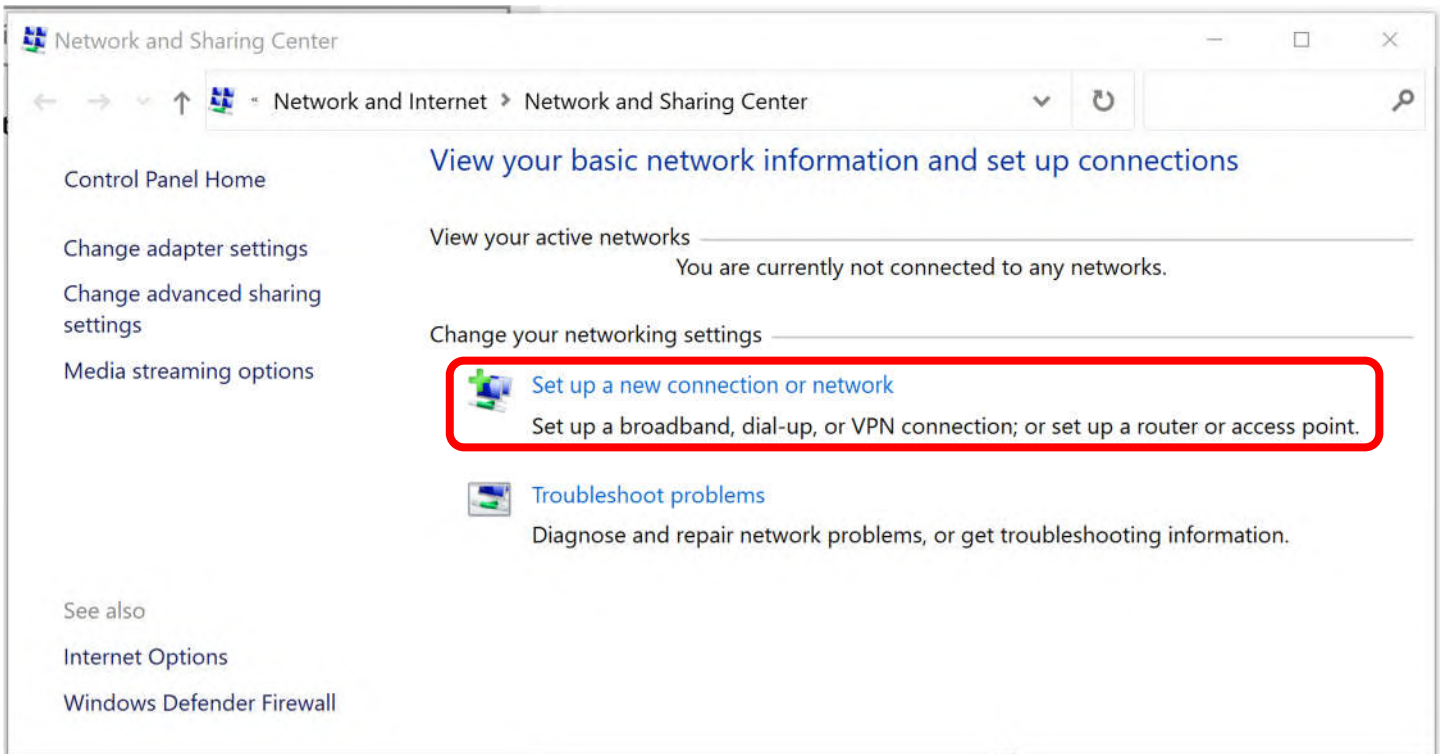
Right mouse click the network connection icon in the System Tray and then left mouse click “Open Network & Internet settings” as shown below.



Select “Network and Sharing Center” as shown below.

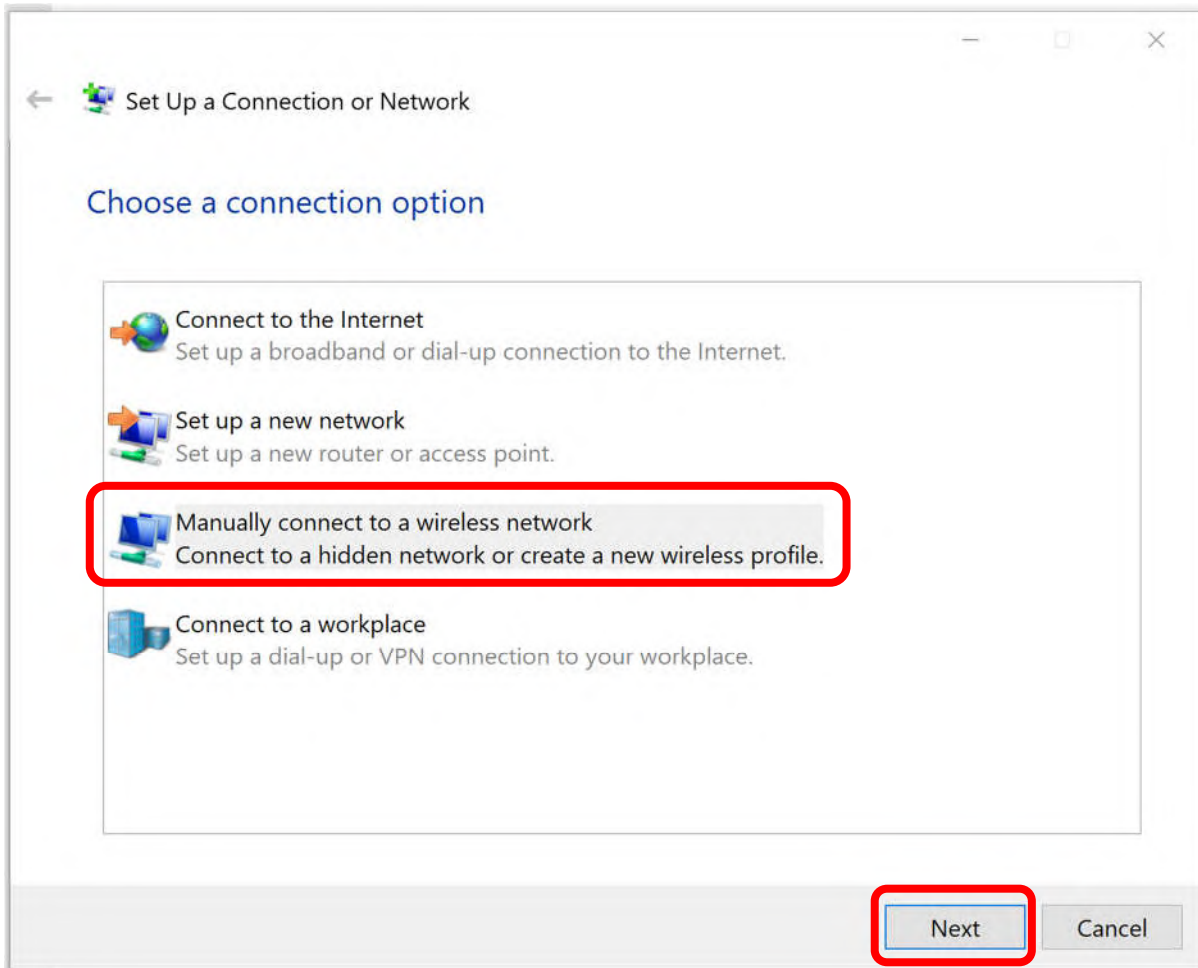


On the next screen, select “Set up a new connection or network” as shown below.





Next, select “Manually connect to a wireless network” and then select “Next” as shown below.



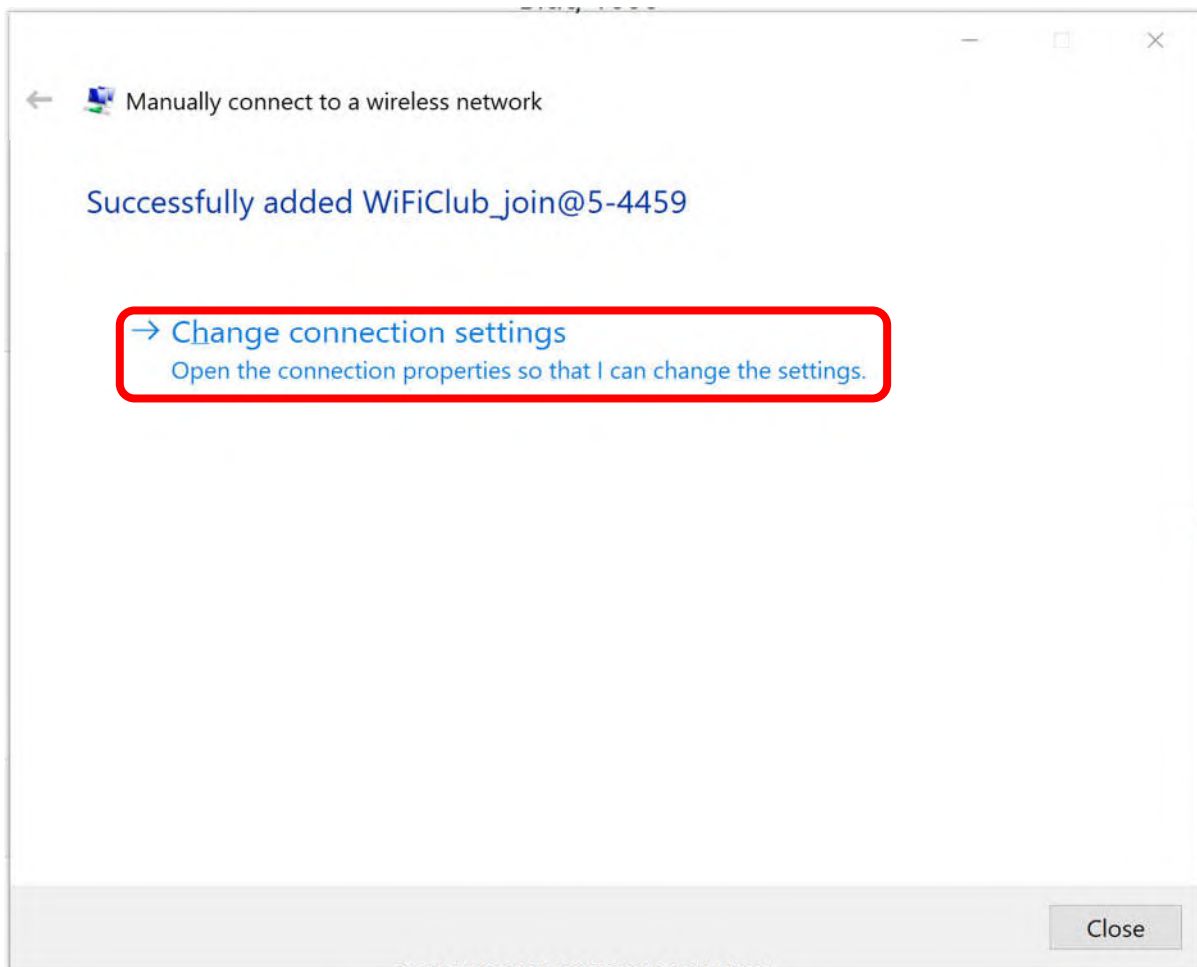
Enter in the club's Service Set Identifier (SSID), select "WPA2-Enterprise", enable automatic connection, and then select "Next" as shown below.

The screenshot shows a Windows dialog box titled "Manually connect to a wireless network". The main heading is "Enter information for the wireless network you want to add". The form contains the following fields and options:

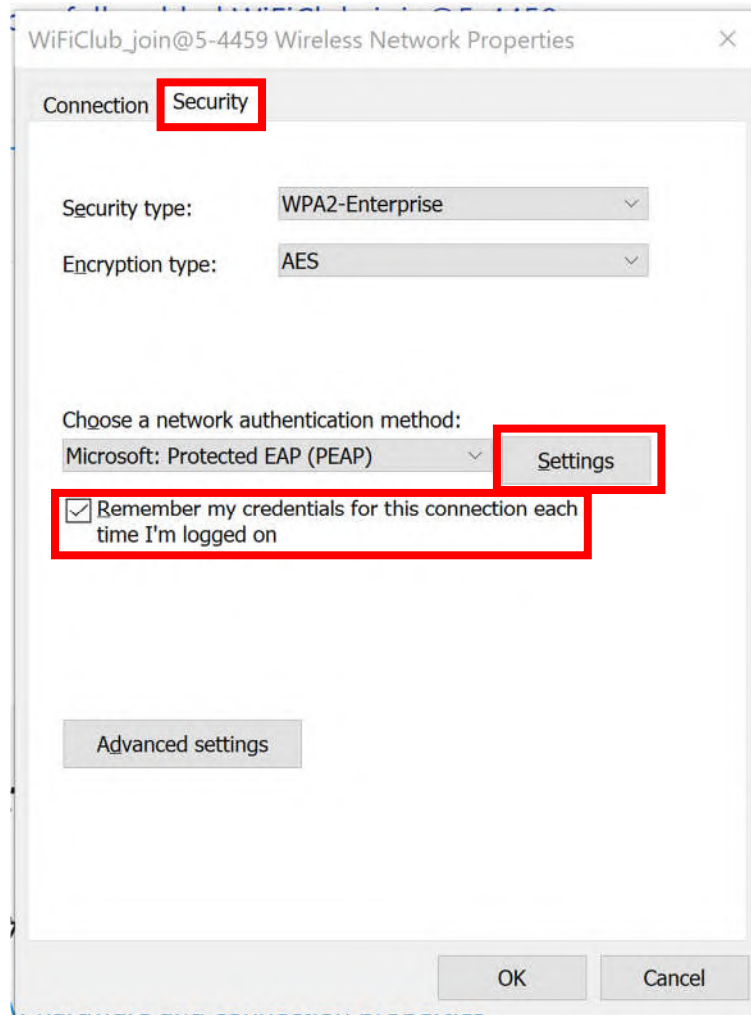
- Network name:** A text box containing "WiFiClub\_join@5-4459".
- Security type:** A dropdown menu set to "WPA2-Enterprise".
- Encryption type:** A dropdown menu set to "AES".
- Security Key:** An empty text box with a "Hide characters" checkbox to its right.
- Start this connection automatically:** A checked checkbox.
- Connect even if the network is not broadcasting:** An unchecked checkbox.
- Warning:** "Warning: If you select this option, your computer's privacy might be at risk."
- Buttons:** "Next" and "Cancel" buttons at the bottom right.

Red boxes highlight the Network name, Security type, Start this connection automatically checkbox, and the Next button.

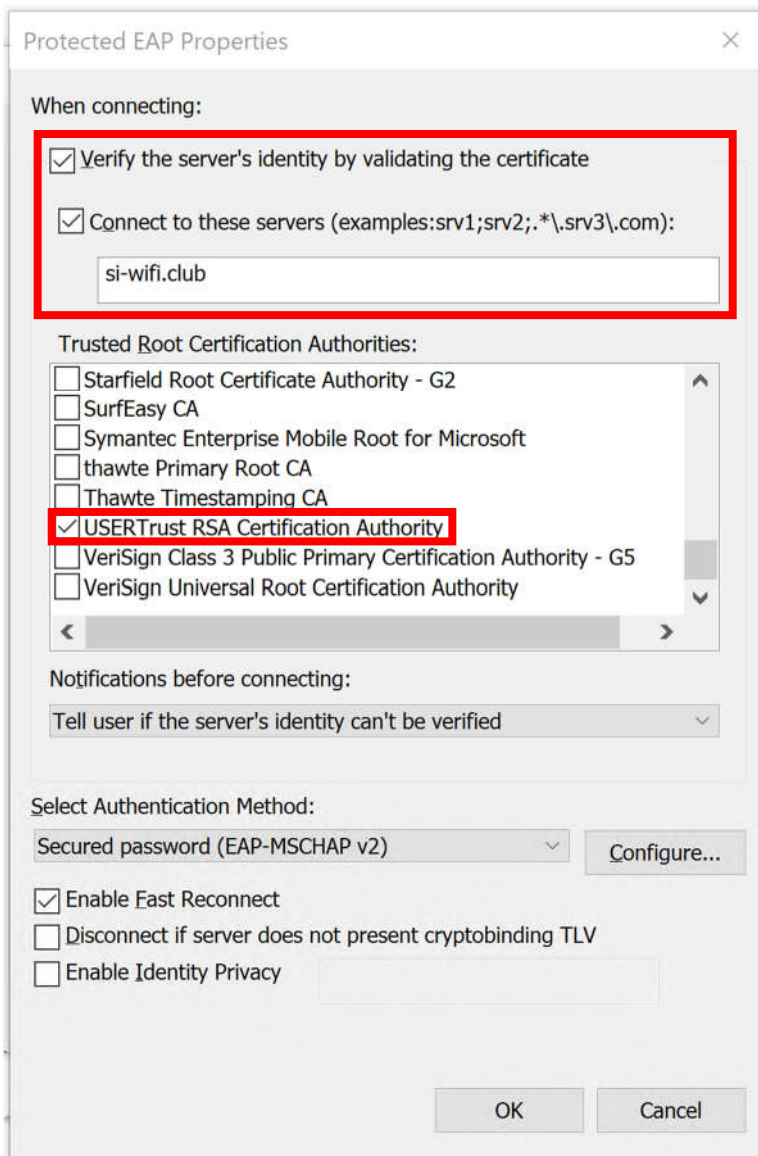
Select "Change connection settings" as shown below.



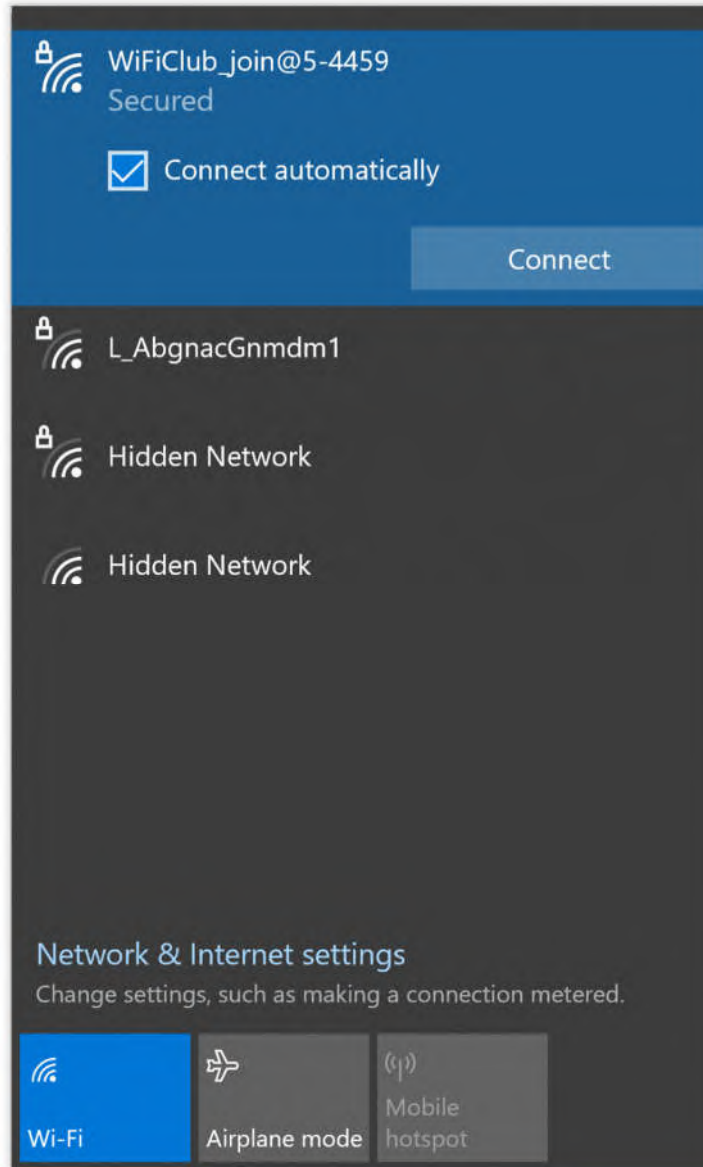
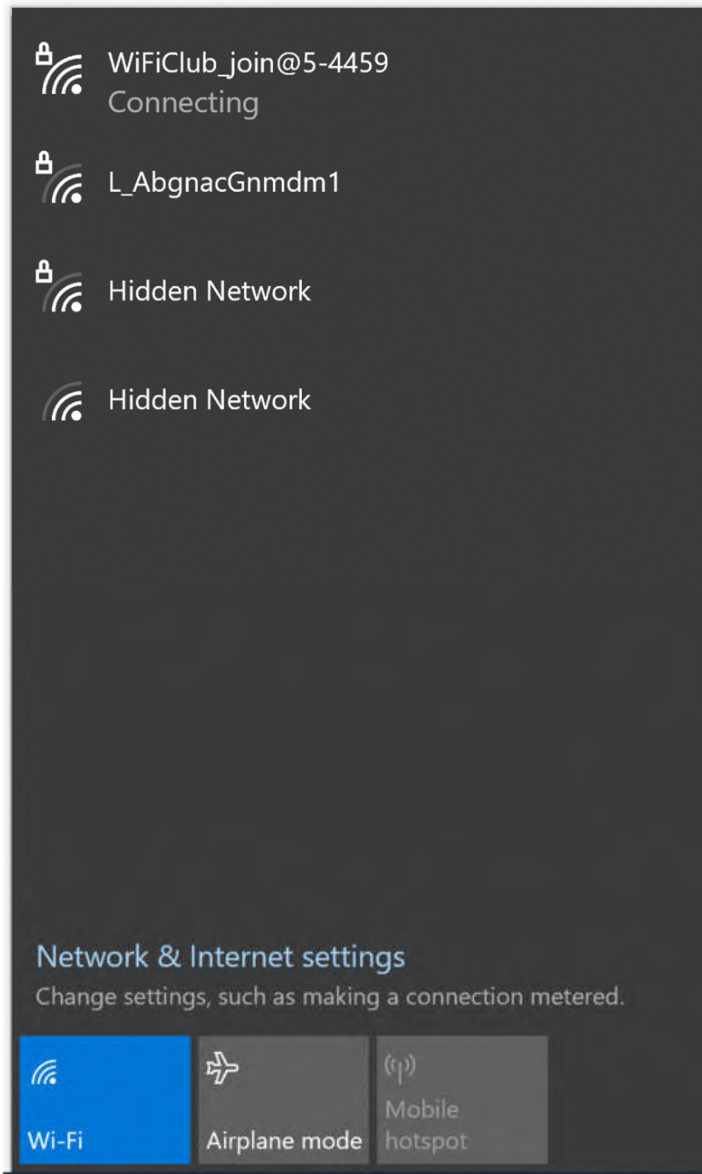
The next screen will, by default, show the “Connection” tab, so please select “Security”, ensure “Remember my credentials...” is enabled, and then select “Settings”.



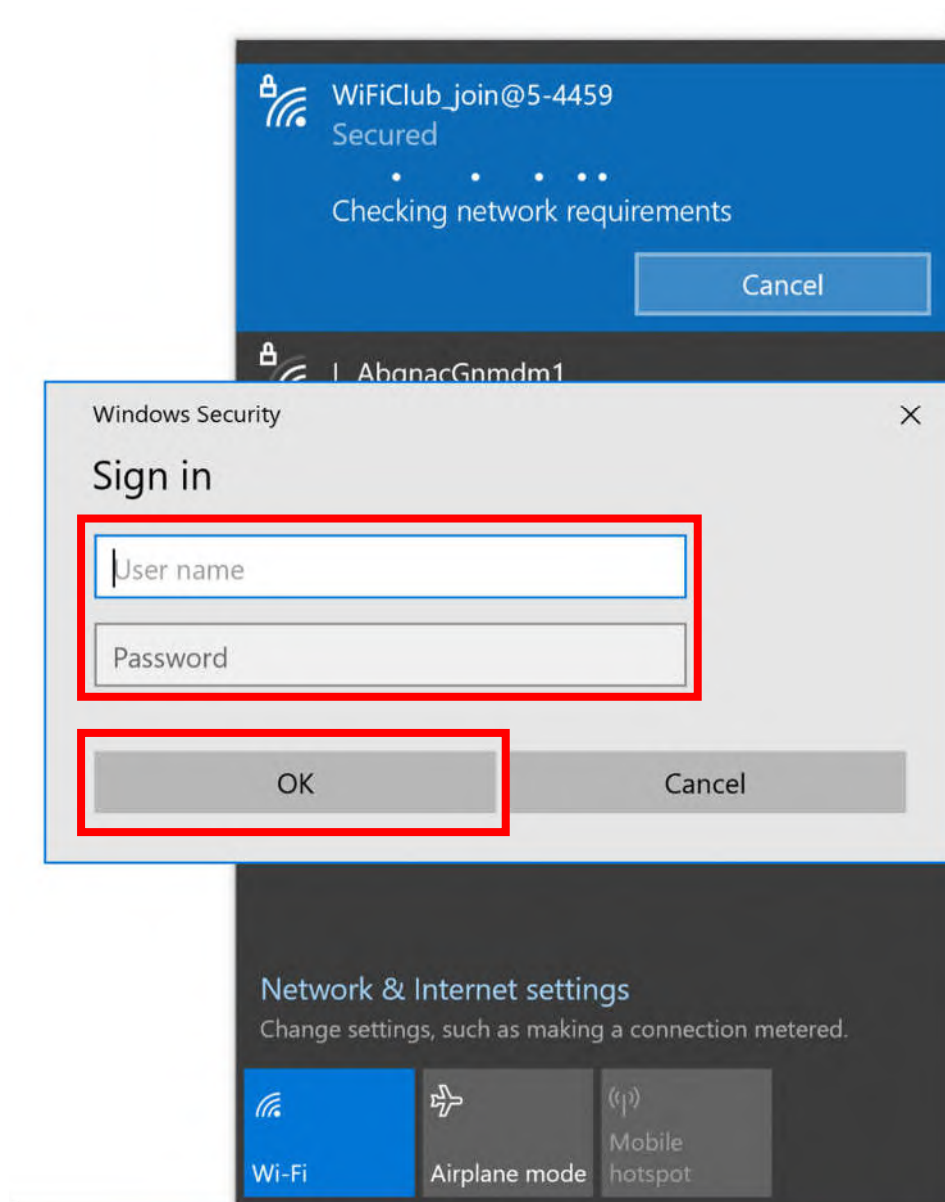
The “Settings” page should look like the one below. Ensure that the boxes shown are checked and that the “si-wifi.club” domain is entered as shown. In the “Trusted Root Certification Authorities:” box, scroll down and check the “USERTrust” box as shown. If a second “USERTrust ECC” appears, select that one as well. The settings below the “Trusted Root Certification Authorities:” box should, by default, match what’s shown. If not, change the fields and check boxes to match and then select “OK”.



After creating and editing the connection properties, left mouse clicking on the network connections icon should bring up a list of wireless networks as shown below. Left mouse clicking the club's network will bring up the image on the right, in which you can enable auto connect and then select "Connect".



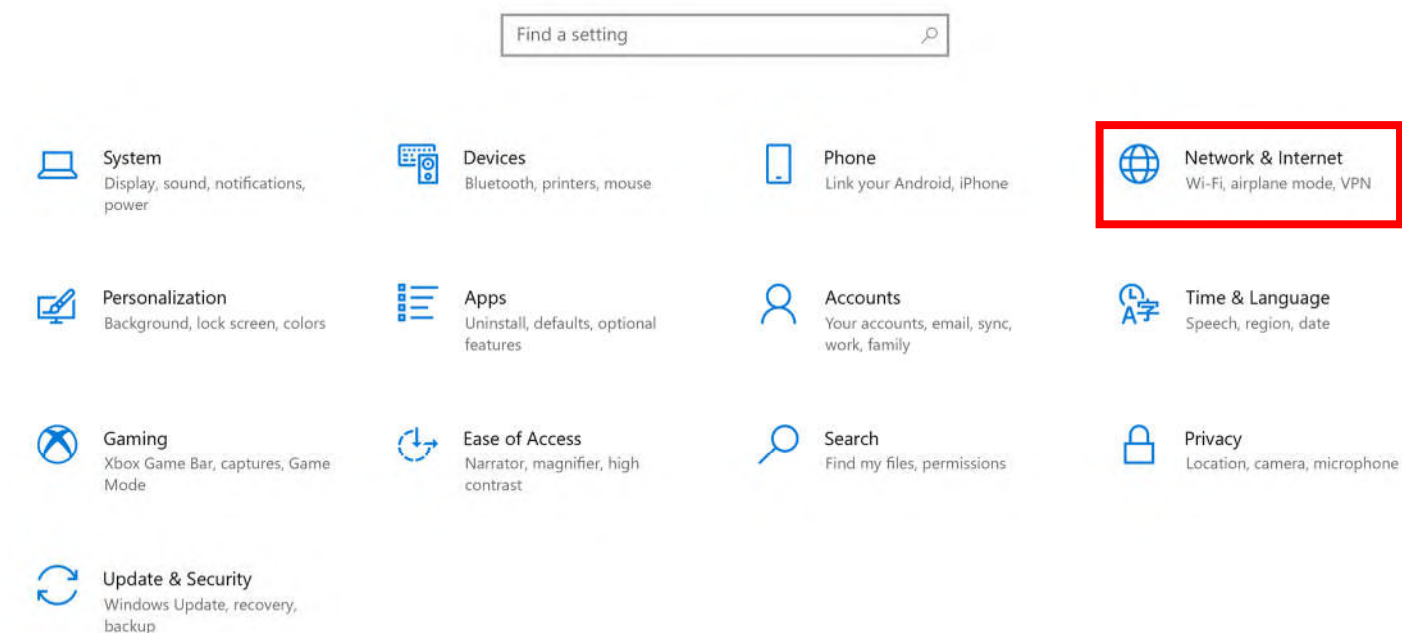
After clicking “Connect”, a separate login prompt should appear as shown below, in which you’ll enter your username and password from your WiFi Club account page. If it doesn’t display as a separate window, that indicates that there’s a problem with the settings, so please check the network settings. If you experience problems connecting, and you’ve verified your credentials, then proceed to the next section for an alternate method of creating the proper network connection.



## Microsoft Windows 10 (version 20H2) – Alternate Method

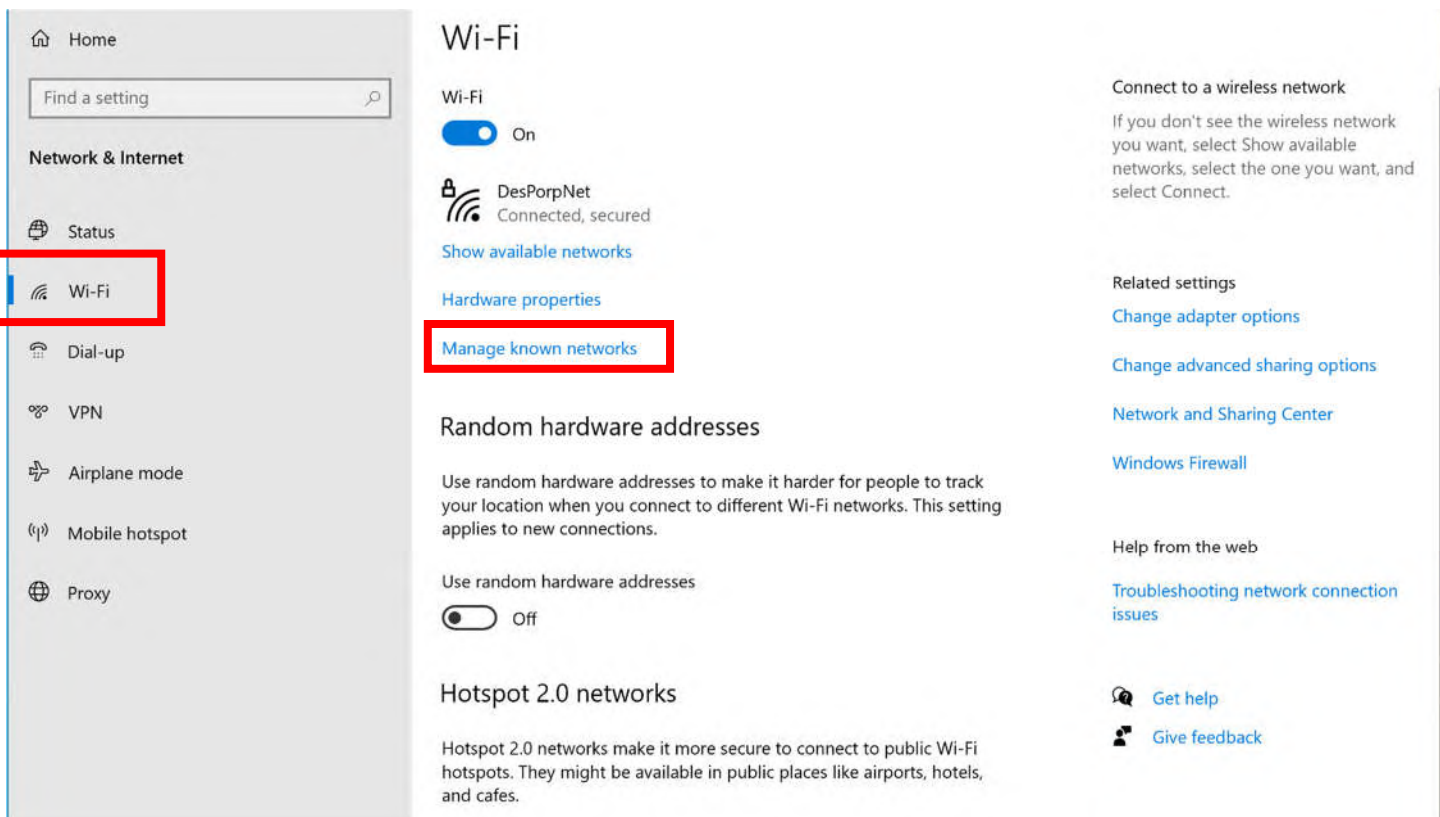
If, after following the previous instructions, you experience difficulties connecting to the network, this section describes another approach that should be successful.

First step is to forget the club's WiFi network that was added using the previously described approach. In Windows Settings, select the "Network & Internet" as shown below.

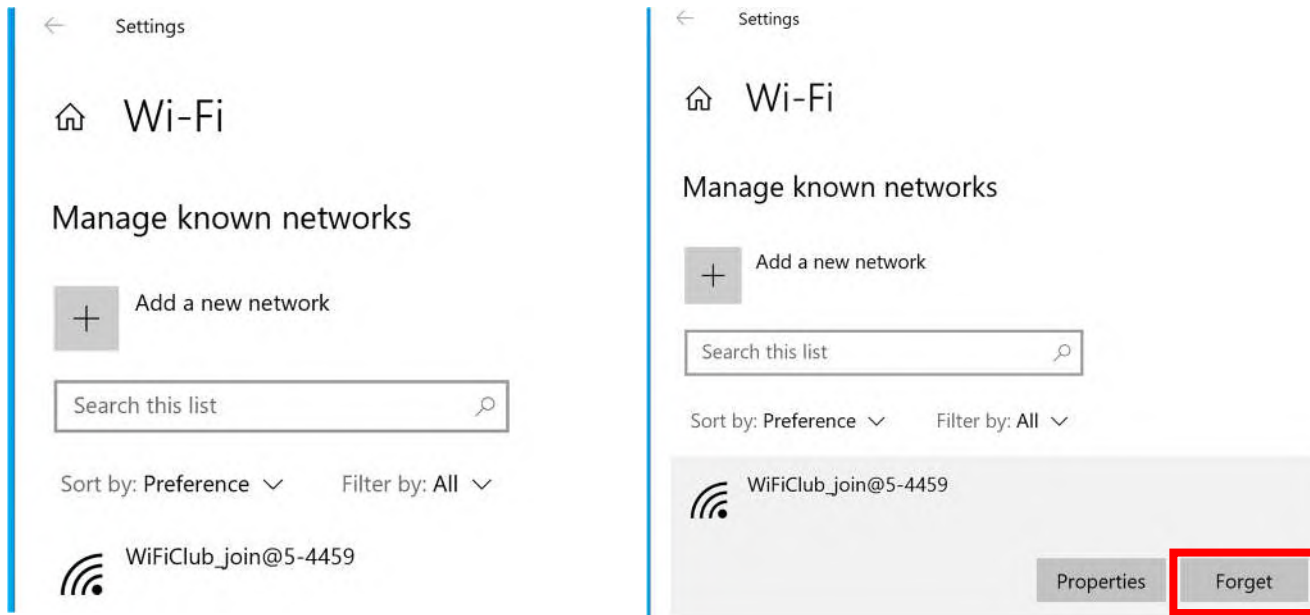




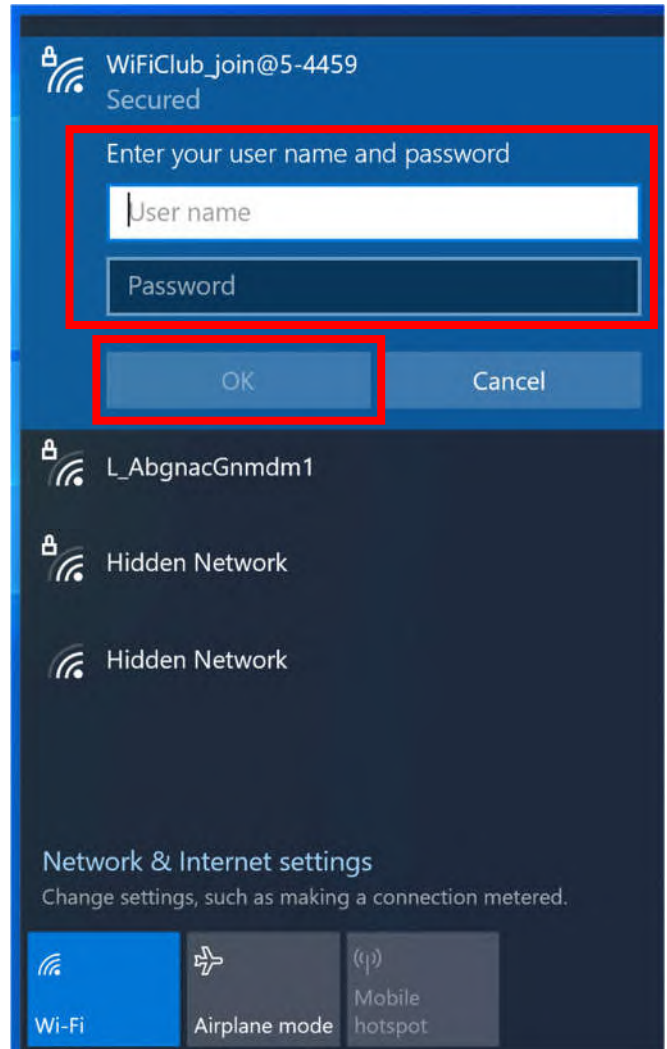
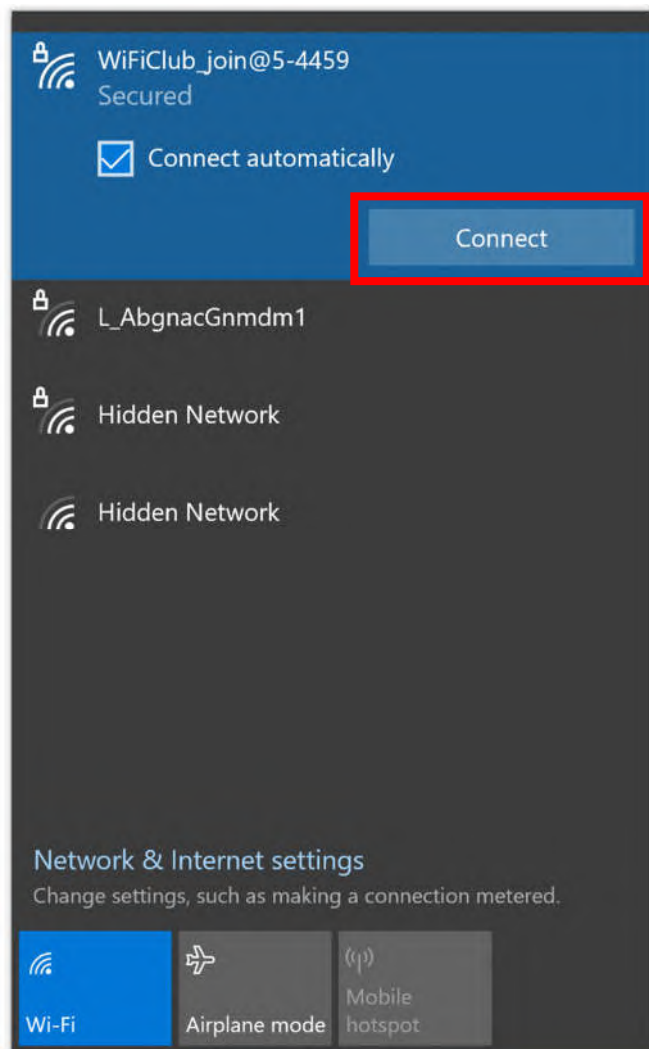
Next, select “Wi-Fi” and then “Manage known networks” as shown below.



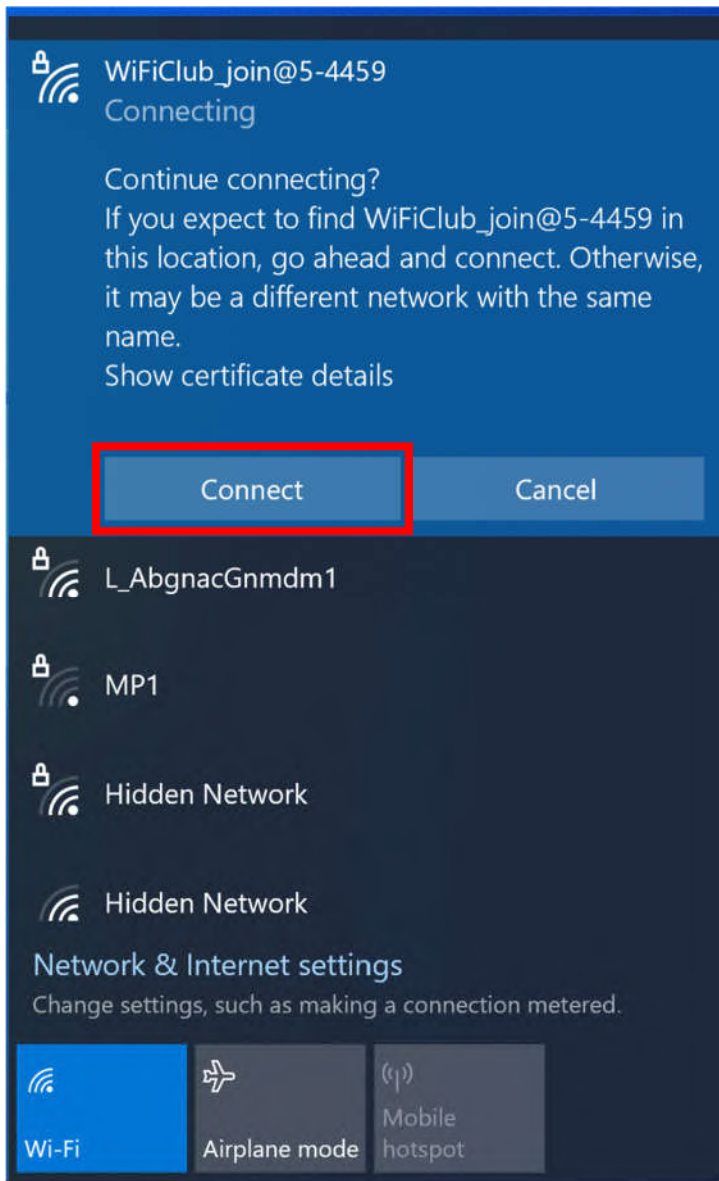
To complete the removal process, select the club’s Wi-Fi network as shown below. Then you should be given the option to “Forget” as shown by the image on the right.



After forgetting the club's Wi-Fi network, return to the desktop and select the club's network as shown below. A box should appear in which you can enter your username and password from your WiFi Club account page, and then select "OK".



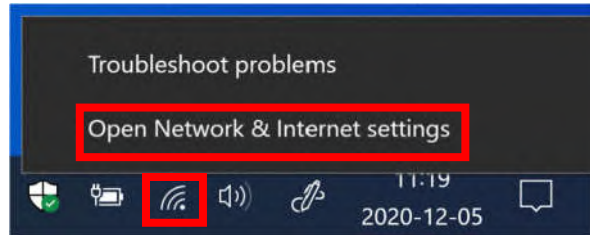
After selecting “OK” from the previous step, a cautionary message should appear as shown below. If indeed you are connecting to the club’s network, while at work, then select “Connect”.



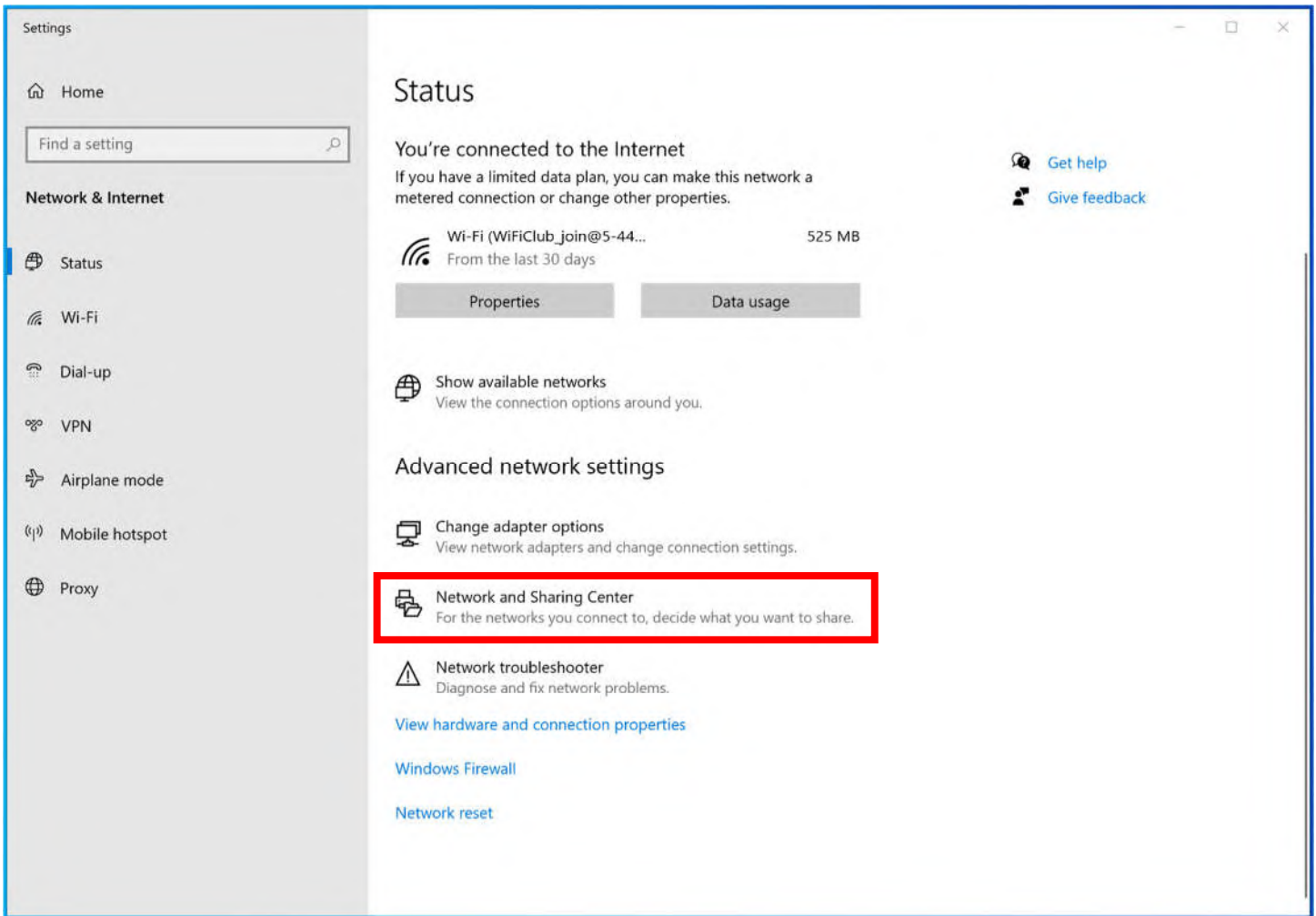
Your computer should now be able to connect to the network. If it still can't, please email WiFi Club support at [si.wificlub@gmail.com](mailto:si.wificlub@gmail.com). If Chris Coyne or Justin Denning are readily available, that's another way to go, but the email address is the more reliable approach and reaches both Chris and Justin.

If your computer is now connected to the network, the steps which follow will ensure that the network is validated, eliminating the issue described by the message in the previous screen shot.

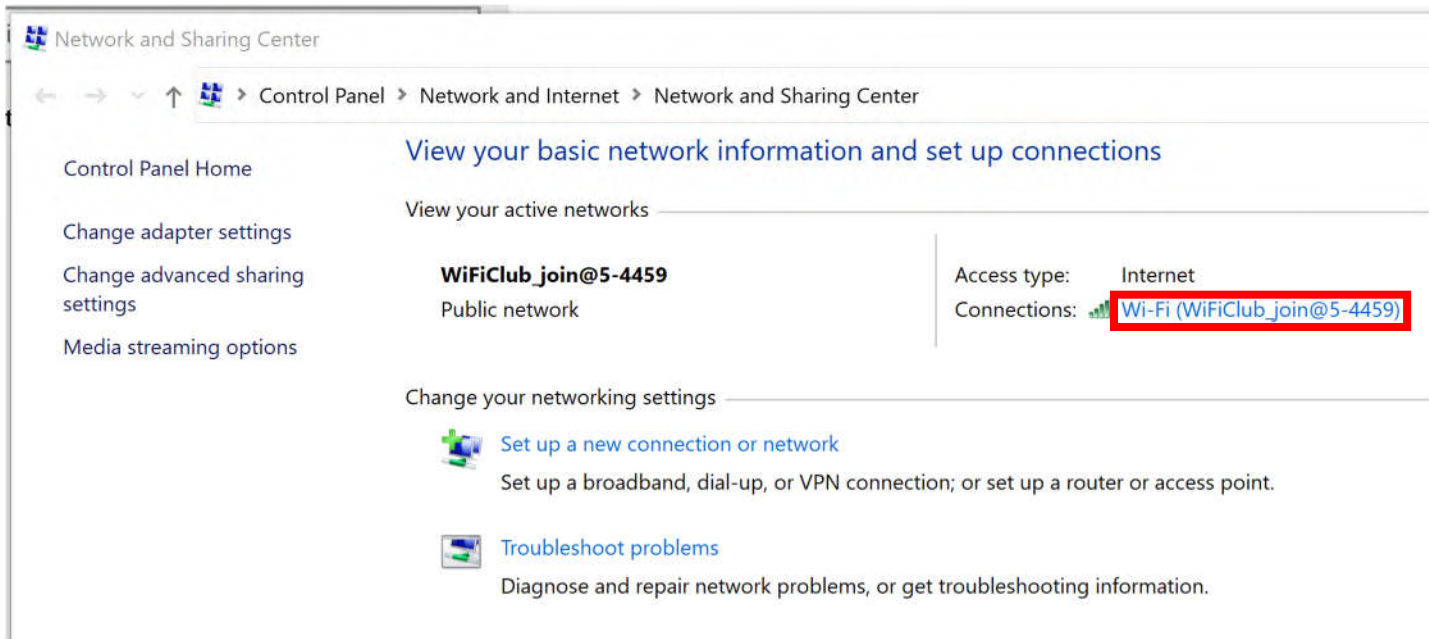
Right mouse click the network connection icon in the System Tray and then left mouse click “Open Network & Internet settings” as shown below.



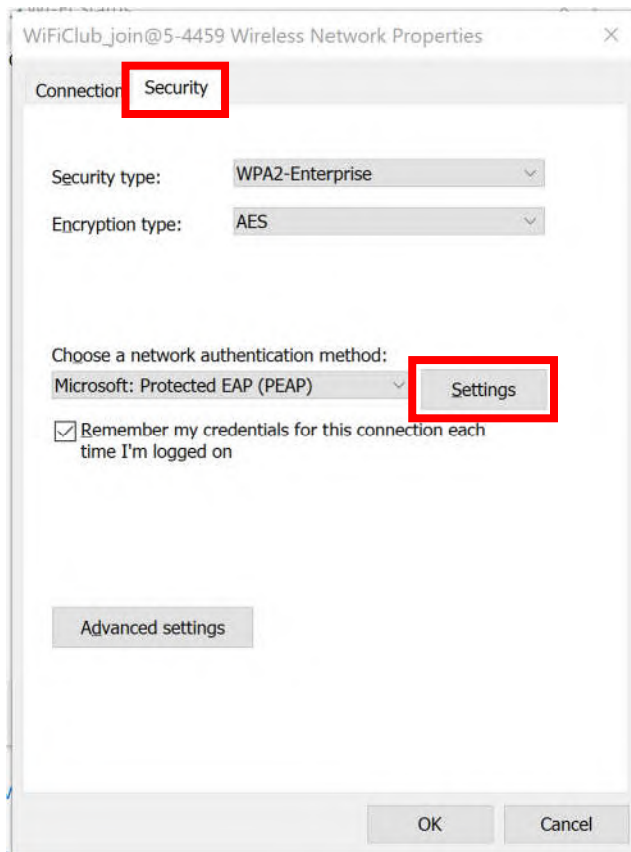
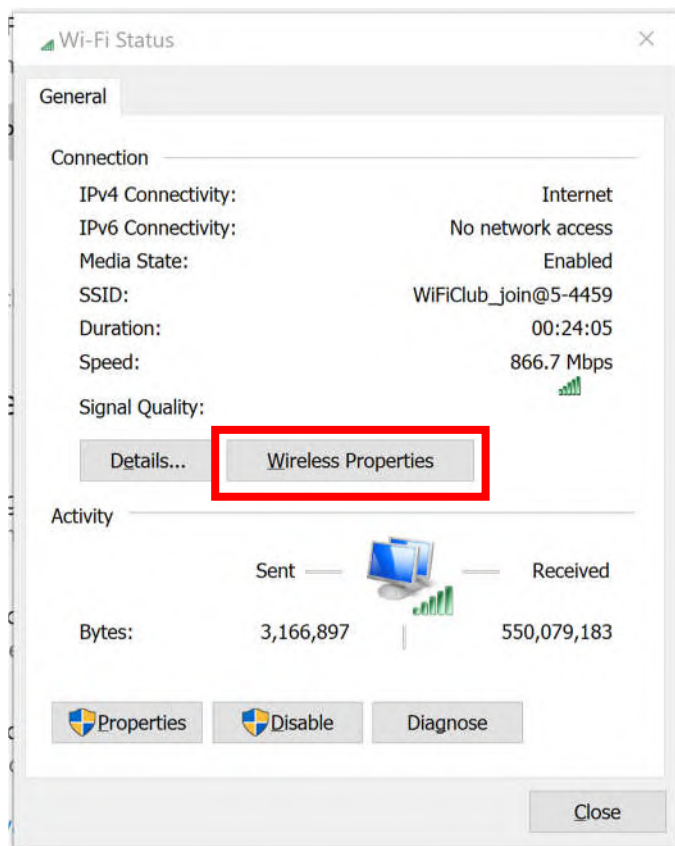
The Network Status page should appear next, at which point select “Network and Sharing Center” as shown below.



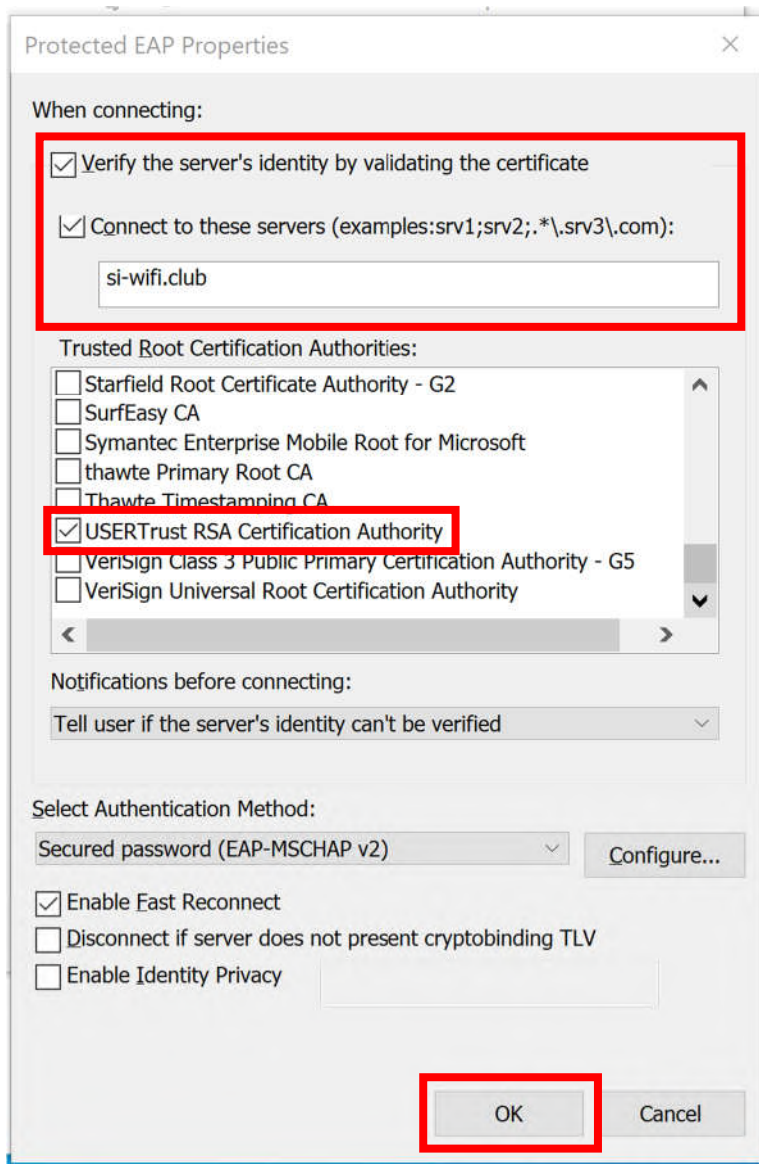
Given that the computer should now be connected to the club’s network, it should appear as the active network and be colored blue, indicating that it’s a “clickable” link. To proceed further, left mouse click on the link as shown in the image below.



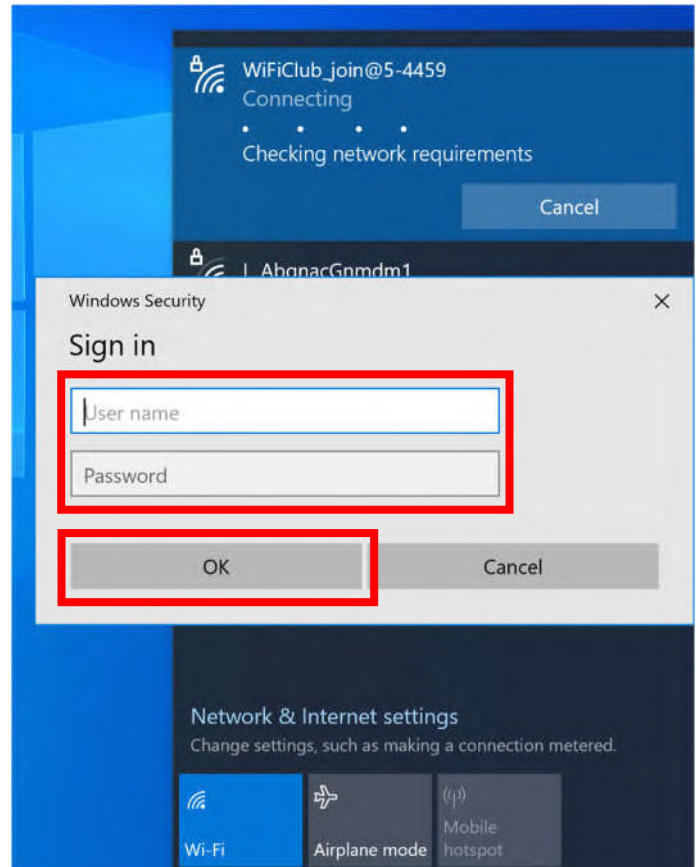
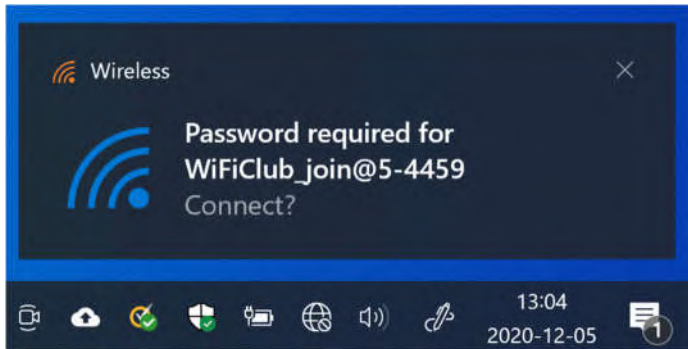
The next screen should appear as shown below on the left and “Wireless Properties” should be selected. The screen below on the right should appear, at which point the “Security” tab should be selected followed by “Settings”.



The “Settings” page should look like the one below. Ensure that the boxes shown are checked and that the “si-wifi.club” domain is entered as shown. In the “Trusted Root Certification Authorities:” box, scroll down and check the “USERTrust” box as shown. If a second “USERTrust ECC” appears, select that one as well. The settings below the “Trusted Root Certification Authorities:” box should, by default, match what’s shown. If not, change the fields and check boxes to match and then select “OK”, then “OK” at the next window, and then “Close” to complete the process.



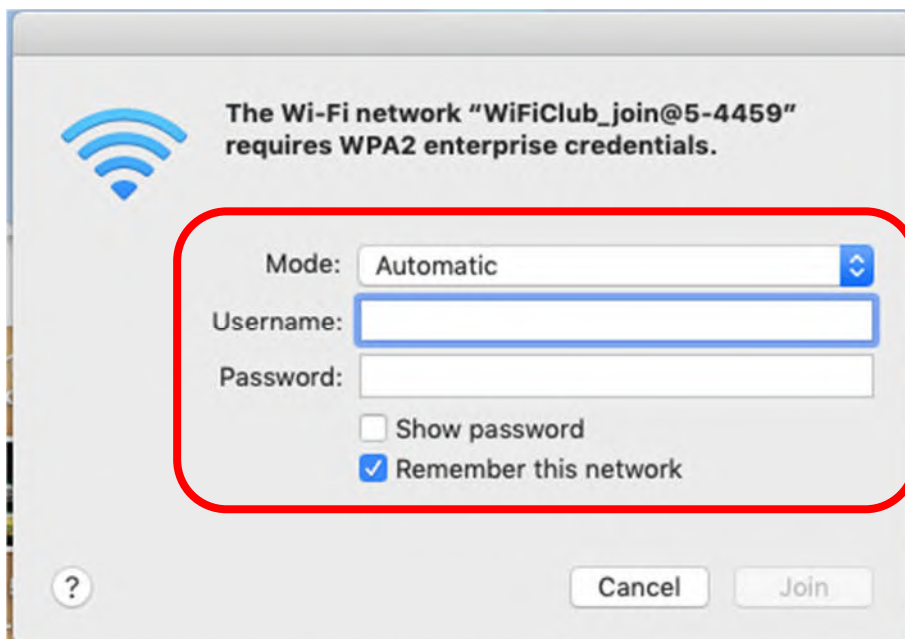
Once the settings have been changed for the club's connect, you should be disconnected and prompted to enter the username and password from you WiFi Club account page, as shown below. Note that the login window looks different than when initially connecting to the club's network at the start of this process.



The computer should now connect to the network and verify that it's connected to the correct network as part of the process. If the connection problems persist, please email WiFi Club support at [si.wificlub@gmail.com](mailto:si.wificlub@gmail.com). If Chris Coyne or Justin Denning are readily available, that's another way to go, but the email address is the more reliable approach and reaches both Chris and Justin.

## macOS (e.g. Apple Macbooks)

After clicking on the WiFi network symbol on the desktop and then clicking on the “WiFiClub\_join@5-4459” network, you should be presented with the screen below. From your WiFi Club account page, enter in your username and password as shown below.



The next screen should be the one shown below, and, as shown, you should click on “Show Certificate” to perform the verification shown on the next page.





Verify that the certificate's domain matches "si-wifi.club" as shown below. Selecting "Continue" should complete the process.

