### <u>Connecting to the Wi-Fi Club network</u>

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 <u>si.wificlub@gmail.com</u>. 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.

#### Operating System

WiFi Club Web Site	2
Android	5
Android devices that must rely on the club's certificate package	
(typically Samsung and LG devices)	12
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Help

### WiFi Club Web Site

Towards the end of 2019, the WiFi Club transitioned to a web site (<u>https://wifiaccts.net</u>) 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
Blda	1600

Edwards AFB

#### Please Login Or Register To Manage Your WiFi Club Account

Login	
Email Address	
Password	
Login Register	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

Help

~

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

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

Bidg 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		
First	Last	
Valid Email Address		
Email	Confirm Email	
Password		
Password	Confirm 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:	Password:	SSL Cert Package (please see instructions):
ctest01	Show Password	
		ENCRYPTION
	Please read these instruc	tions

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.

## <u>Android</u>

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



Motorola Moto X4 (Android 9)

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

11:41	E 30' ⊖		66%	11:08 🗖	35°	LTE 📕 96%
	Wi-Fi			~	Network & internet	۹
	Bluetooth Connect to nearby Bluetooth devices.			•	Wi-Fi Not connected	
	Airplane mode Turn off Wi-Fi and Bluetooth.		$\square$			1
	Data usage				Mobile network Verizon	
	More connection settings					
	Looking for something else? Samsung Cloud			0	Data usage 30.05 MB of data used	
				0	Hotspot & tethering Off	
				*	Airplane mode	
				~	Advanced VPN, Private DNS	
	< 0	111			•	

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

Once within the "Wi-Fi" section, select the club's Wi-Fi network as shown below.

msung Tab A 10.1 (2019 – A	ndroid 10) M	Notorola Moto X4 (And	lroid 9)
⊒ 30° ⊖ Wi-Fi	66% <b>11:08</b>	<b>3</b> 5°	LTE 📕 🗎 969
On	• ÷	Wi-Fi	۹
Available networks WiFiClub_join@5-4459		Use Wi-Fi	••
L_AbgnacGnmdm1	▼	WiFiClub_join@5-4459	â
+ Add network	•	L_AbgnacGnmdm1	Â
	+	Add network	
		<b>Wi-Fi preferences</b> Wi-Fi doesn't turn back on au	utomatically
		Saved networks 1 network	
< 0 III	1	•	

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 1	LØ.1 (	(2019	- A	ndr	oid	10)		Motorola Moto X4	(Android 9)
41 ⊑ ₃₀ ⊝ < WiFiClub_join	@5-4459						66%	11:	:09 35°	lte 🖌 🗎 96
EAP method PEAP 🔻								*	WiFiClub_join@5-4	459
Identity									EAP method	
									PEAP	-
Password Enter passwo	ord					8	2		Phase 2 authentication	
CA certificate Select certificate								-	None	•
CA certificate mu MAC address	ust be selected.							- 8	CA certificate	
Randomized MAC	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							- 10	Please select	<b>•</b>
Advanced		Conne	ect					1	Identity	
									Anonymous identity	- 1
¢ ¢	<b>P</b>		•	٩ŀ			Ŷ			
1 2 3	3 4	5 6	7	8	9	0	$\boxtimes$	- 8	Password	
q w e	e r	t y	<sup>1</sup> u	i	ο	р				
a s	d <sup>s</sup> f	g	h	j i l	<b>、</b> (	1	→I	- 10	CANCE	CONNECT
☆ z ` ;	x ° c	v b	n	m	1	?	↔			CONNECT
123 ,						•	?123			
	~	0		11	L		1111			

LTE 1 96%

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.

11:09 🗔 35°

Sam	sung	Та	bΑ	10.	1 (	2019	) – A	ndr	roid	10)
11:41 🖬 з	10° 💬									66%
< Wi	FiClub_jo	oin@5-	4459							
EAF PE Ider	° method AP ▼ ntity									
Pas	sword Iter pass	word							۵	2
Se	lect certi	ficate	~							
Us	e system	certific	ates							
Do	on't valida	te								
A	ito recon	nect								0
Ac	lvanced	neor								
					Conne	et				
۲	٩		Ē	<b>1</b> 11			4I+			Ŷ
1	2	3	4	5	6	7	8	9	0	$\bigotimes$
q	w	е	r	t	у	u		0	р	
a	s e		d f	9	a a	h	j k	(	1	-71
Ŷ	z	x	c	v	b	n	m	I	?	Ŷ
?123	•									?123
			~		0		П	1		1111

WiFiClub\_join@5-4459

EAP method

PEAP

Phase 2 authentication

None

CA certificate

Please select

Use system certificates

Do not validate

Image: Select

Password

 $\bigcirc$ 

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.

Sam	sung	g Ta	ab A	10.3	1 (2	2019	- 4	And	roid	10)	Motorola Moto X4 (Android 9)
(:41 🖬 : K Wi	³₀ <sup>,</sup>	join@!	5-4459							66%	11:10 🗳 35° LTE 🖌 🗎 969
EAI PE Ide	P method EAP ▼										WiFiClub_join@5-4459 EAP method
Pa	ssword nter pas	sword							2	8	PEAP -
C/ Us	A certific e system ce	cate ertificates								٦	None
Ad Doi	ld the don main AC addr	nain. ress tvr	De								CA certificate Use system certificates
Au	ndomized M uto reco dvanced	nnect							•	D	Domain
					Connec	t					Must specify a domain.
٠	\$		<b>P</b>	Ē		۴	Ф	1		۴	Identity
1	2	3	4	5	6	7	8	9	0	×	
q	w a e	e s	r d	t f g	y *	u <sup>°</sup> h	i j *	o k	(p I)	-→I	Anonymous identity
ŵ	z	x	°c	v	b	n	m	1	?	Ŷ	CANCEL CONNECT
?123	,									?123	
			~		0		I	11		1001	

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".

Sung Idd A I	0.1 (2013 -	- AURIOTA TO)		+ (Anurotu s
<sup>₃₀</sup> ⊖ iFiClub_join@5-4459		60% <b>=</b>	11:12 🗳 35°	
P method			WiFiClub_join@	5-4459
ntity			Domain	
			si-wifi.club	
ssword hter password		S.C.	Identity	
A certificate			ч I	
main 			Anonymous identity	
-will.club			Leave t	olank
AC address type				
uto reconnect			Password	
dvanced				
	Connect		Chaw password	
			Advanced options	~
			CAN	ICEL CONNECT
				_
1	0	111		

## 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 2	021-01-01)	
Username:	Password:	SSL Cert Package (please
ctest01	Show Password	see instructions):
		SSL
	Please read these instru	ctions

12 of 41

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.

WIF	WiFi Club DEVELOPMENT Bidg 1600 Edwards AFB	Chris Test01 ▼ Help	Security WPA/WPA2-Enterprise ▼ EAP method TLS ▼	
	Current Account balance: (Approx 19 months worth)	\$ 38.00	Identity	
WiFi Details		Monthly Dues: \$ 2.00		
Active (auto renews 2 Username: ctest01	2021-01-01) Password: Show Password Please read these instructions	SSL Cert Package (please see instructions):	CA certificate Wificlub User certificate	
Purchase Account Cr	edit Your balance must be at or below \$ before you can make an automated	4.00 online	MAC address type Randomized MAC	
Recent Transactions	payment.		Auto reconnect	
	Contact an administrator (Justin or C si wificlub@gmail.com	hris) at	Advanced	
		1		

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.

10:49 #	∽-100%∎	16:15 ⊻ s² ⊙	≈ 93% <b>i</b>
WiFi Club WiFi Club DEVELOPMENT Bidg 1600 Edwards AFB		My Files Categories	Q
Current Account balance: \$ 38.00 (Apprev 19 months worth)		Ctest01.p12 From:dev.wifacts.net Dec 1416:14	3.29 KB
WFI Details		Videos	
Account Status Monthly Dues \$ 2.00 Active (and senses 3021-01-01)		Audio	
Username Plasword SSL Cert Pockage (prease ctest01 time Pastword SSL Cert Pockage (prease see instructions)		Documents	
Plansi cost these investories		👱 Downloads	
Purchase Account Credit		APK Installation files	
Your balance must be at or below 8.4.00 before you can make an automated online payment		✓ ■ Internal storage 29.12 GB / 128 GB	
Recent Transactions Bhrw/7 Hos		Alarms	
Contract an administration Lucrary or Ching) at is withs beginned cure		> Android	
		> 🖿 DCIM	
		📁 Download	
		Movies	
		🖿 Music	
		Notifications	
		> E Pictures	
		Podcasts	
业 Download (3.29 KB)	×	Ringtones	
ctest01.p12	Download	> 🖿 Samsung	
< 0 III		< 0 III	

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 left 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.

16:16 🖬 🖀 🗹 🔹	\$• 93% <b>i</b>	
My Files	Q ≔ :	Network name WiFiClub_join@5-4459
Recent files Categories Images Videos	Downloads ctest01.p12 From: dev.wifiaccts.net Dec 1416:14 3.29 KB	Security WPA/WPA2-Enterprise ▼ EAP method
<ul> <li>Audio</li> <li>Documents</li> </ul>		Identity
Downloads     APK Installation files		CA certificate Wificlub User certificate Wificlub
<ul> <li>Internal storage 29.12 GB / 128 GB</li> <li>Alarms</li> </ul>		MAC address type Randomized MAC
<ul> <li>DCIM</li> <li>Download</li> </ul>		Advanced
<ul><li>Movies</li><li>Music</li></ul>		
<ul> <li>Notifications</li> <li>Pictures</li> </ul>		
Ringtones     Samsung	club installed.	
<	0 III	

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

From the "Settings" screen, select "Wi-Fi" and then the club's network as shown below.



📲 Sprint 🤤	2:18 PM	21% 🔳
Settings	Wi-Fi	
Wi-Fi		
CAECAM-2G Hidden Network	1	<b>a</b> ⊋ (j)
CHOOSE A NETWOR	RK 3	
L_AbgnacGn	mdm1	🔒 🤶 🚺
WiFiClub_joi	n@5-4459	l < 🚺
Other		
Ask to Join Net	works	$\bigcirc$
Known networks w networks are availa network.	ill be joined automatica ble, you will have to m	ally. If no known anually select a

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.

III Sprint 1x	2:20 PM	21% 🔲,
Cancel	Certificate	Trust
si-wif	<b>i.club</b> by Sectigo RSA Doma	in Validation
Not Tr	usted	
Expires 5/28/2	0, 4:59:59 PM	
More Details		>
III Sprint 1x	2:20 PM	21% 🔳,
Certificate	Details	
SUBJECT NAME		
Organizational	Unit Domain Co	ntrol Validated
Organizational	Unit	PositiveSSL
Common Name		si-wifi.club
ISSUER NAME		

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.

Settings			-	×
ŵ Home	Status			
Find a setting	Network status	Get help	) edback	
Network & Internet				
Status				
//k Wi-Fi	Not connected You aren't connected to any networks.			
ଳି Dial-up	▲ Troubleshoot			
% VPN				
과 Airplane mode	Show available networks View the connection options around you.			
۹۱۶ Mobile hotspot	Advanced network settings			
Proxy	Change adapter options View network adapters and change connection settings.			
	Retwork and Sharing Center For the networks you connect to, decide what you want to share.			
	View hardware and connection properties			
	Network reset			

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

💐 Network and Sharing Center		- 🗆 ×
🔶 🔿 🕤 🕈 💐 * Network an	nd Internet > Network and Sharing Center v	ৎ ଓ
Control Panel Home	View your basic network information and set up c	connections
Change adapter settings	View your active networks You are currently not connected to any ne	etworks.
Change advanced sharing settings	Change your networking settings	
Media streaming options	Set up a new connection or network Set up a broadband, dial-up, or VPN connection; or set up	up a router or access point.
	Troubleshoot problems Diagnose and repair network problems, or get troublesh	nooting information.
See also		
Internet Options		
Windows Defender Firewall		

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

Konne Set up	ct to the Internet a broadband or dial-u	p connection to th	e Internet.	
Set up	a new network			
🚤 Set up	a new router or acces	s point.		
Manua Conne	Ily connect to a wirele ct to a hidden network	ss network c or create a new w	ireless profile.	
Conne	ct to a workplace			
Set up	a dial-up or VPN conr	nection to your wo	kplace.	
Jeeup		istion to your not	(place)	

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

Enter information	for the wireless network you want to add	
Network name:	WiFiClub_join@5-4459	
<u>S</u> ecurity type:	WPA2-Enterprise ~	
Encryption type:	AES	
Se <u>c</u> urity Key:	Hide characters	
Start this conne	ction automatically	
Connect even if	the network is not broadcasting	
warning: if you	select this option, your computer's privacy might be at risk.	

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".

Connect to these servers (examples:srv1;srv2;.*\.srv	3\.com):
si-wifi.club	
Trusted Root Certification Authorities:	
Starfield Root Certificate Authority - G2	^
Symantec Enterprise Mobile Root for Microsoft	
thawte Primary Root CA	
Thawte Timestamping CA	
VISERTrust RSA Certification Authority	CE
VeriSign Universal Root Certification Authority	- 65
	```
Notifications before connecting:	
Tell user if the server's identity can't be verified	~
elect Authentication Method:	
ecured password (EAP-MSCHAP v2)	Configure
Enable Fast Reconnect	i i
_ Enable Fast Reconnect           Disconnect if server does not present cryptobinding TLV	
Plenable Fast Reconnect           Disconnect if server does not present cryptobinding TLV           Enable Identity Privacy	

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".

WiFiClub_join@5-4459 Connecting	WiFiClub_join@5-4459 Secured Connect automatically
A Hidden Network	Connect
G Hidden Network	L_AbgnacGnmdm1
	Hidden Network
Network & Internet settings	Network & Internet settings
Change settings, such as making a connection metered.	Change settings, such as making a connection metered.
General Airplane mode hotspot	でんしい デン (ロジ) Mobile Wi-Fi Airplane mode hotspot

.

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.

	Hiric Secur Check	lub_join@5-445 ed sing network rea	9 • quirements Cancel	
100 H 11		inacGnmdm1		
Windows Sec Sign in User nam Password	e			×
	OK Network & Change settin	Internet settin gs, such as making 다	Cancel Igs g a connection metered ((p) Mobile	

## 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.





Update & Security Windows Update, recovery,

backup

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.

← Settings	← Settings
命 Wi-Fi	命 Wi-Fi
Manage known networks	Manage known networks
+ Add a new network	+ Add a new network
Search this list	Sort by: Preference $\checkmark$ Filter by: All $\checkmark$
Sort by: Preference $\checkmark$ Filter by: All $\checkmark$	WiFiClub_join@5-4459
WiFiClub_join@5-4459	Properties Forget

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".

WiFiClub_join@5-4459 Secured	WiFiClub_join@5-4459 Secured
Connect automatically	Enter your user name and password
Connect	User name
L_AbgnacGnmdm1	Password
A Hidden Network	OK Cancel
Hidden Network	L_AbgnacGnmdm1 Hidden Network Hidden Network
Network & Internet settings       Network         Change settings, such as making a connection metered.       Change settings, such as making a connection metered.	twork & Internet settings nge settings, such as making a connection metered.
ساله که از شاه هم از شاه مم از شم از شم از شاه مم از شاه مم از شم از شام از شاه مم از شم از شو از شم از	i Airplane mode

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".

٩//	WiFiClu Conne	ıb_join@5-445 cting	9	
	Continue connecting? If you expect to find WiFiClub_join@5-4459 in this location, go ahead and connect. Otherwise, it may be a different network with the same name. Show certificate details			
		Connect		Cancel
₽//.	L_Abgr	acGnmdm1		
₽(	MP1			
₽ (%	Hidden Network			
G.	Hidden Network			
Network & Internet settings Change settings, such as making a connection metered.				
(a		ър Гр		
Wi-Fi		Airplane mode	Mc hot	obile otspot

Your computer should now be able to connect to the network. If it still can't, please email WiFi Club support at <u>si.wificlub@gmail.com</u>. 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.

Settings		- 🗆 X
ம் Home	Status	
Find a setting ,0	You're connected to the Internet If you have a limited data plan, you can make this network a metered connection or change other properties.	Get help Give feedback
🗇 Status	Wi-Fi (WiFiClub_join@5-44 525 MB From the last 30 days	
<i>備</i> Wi-Fi	Properties Data usage	
C Dial-up	Show available networks View the connection options around you.	
· 아이 · · · · · · · · · · · · · · · · · ·	Advanced network settings	
(i) Mobile hotspot	Change adapter options View network adapters and change connection settings.	
Proxy	Retwork and Sharing Center For the networks you connect to, decide what you want to share.	
	Network troubleshooter Diagnose and fix network problems.	
	View hardware and connection properties	
	Windows Firewall	
	Network reset	

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".

General		Connection			
Connection         IPv4 Connectivity:       Interr         IPv6 Connectivity:       No network acce         Media State:       Enable         SSID:       WiFiClub_join@5-44         Duration:       00:24:         Speed:       866.7 Mb         Signal Quality:       Interr         Details       Wireless Properties	net ess 59 05 ops	Security type: Encryption type: Choose a network a Microsoft: Protecte C Remember my o time I'm logged	WPA2-Enterprise AES authentication method d EAP (PEAP) credentials for this cor on	: Settings	>
Activity Sent — Receive Bytes: 3,166,897 550,079,12 Properties Diagnose	ed 83	Advanced settin	gs		

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.

	9
Connect to these servers (examples:srv1;srv2;.*\.sr	v3\.com):
si-wifi.club	
Trusted Root Certification Authorities:	
Starfield Root Certificate Authority - G2	^
SurfLasy CA	
Thawte Primary Root CA	
Thawte Timestamping CA	
USERTrust RSA Certification Authority	
VeriSign Class 3 Public Primary Certification Authorit	y - G5
VariCian Universal Deat Cartification Authority	S
VeriSign Universal Root Certification Authority	~
VeriSign Universal Root Certification Authority	<b>v</b>
VeriSign Universal Root Certification Authority   Notifications before connecting:	>
VeriSign Universal Root Certification Authority  Notifications before connecting: Tell user if the server's identity can't be verified	× > ~
VeriSign Universal Root Certification Authority   Notifications before connecting: Tell user if the server's identity can't be verified	× >
VeriSign Universal Root Certification Authority	×
VeriSign Universal Root Certification Authority  VeriSign Universal Root Certification Authority  Notifications before connecting: Tell user if the server's identity can't be verified  elect Authentication Method: Secured password (EAP-MSCHAP v2)	× >
VeriSign Universal Root Certification Authority  VeriSign Universal Root Certification Authority  Notifications before connecting: Tell user if the server's identity can't be verified elect Authentication Method: Secured password (EAP-MSCHAP v2)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
VeriSign Universal Root Certification Authority  VeriSign Universal Root Certification Authority  Notifications before connecting: Tell user if the server's identity can't be verified elect Authentication Method: Gecured password (EAP-MSCHAP v2)  Enable East Reconnect	✓ ✓ <u>C</u> onfigure
VeriSign Universal Root Certification Authority  VeriSign Universal Root Certification Authority  Notifications before connecting: Tell user if the server's identity can't be verified  elect Authentication Method: Gecured password (EAP-MSCHAP v2)  Enable East Reconnect Disconnect if server does not present cryptobinding TL	Configure
VeriSign Universal Root Certification Authority  VeriSign Universal Root Certification Authority  Notifications before connecting: Tell user if the server's identity can't be verified  elect Authentication Method: Gecured password (EAP-MSCHAP v2)  Enable East Reconnect Disconnect if server does not present cryptobinding TL Enable Identity Privacy	✓ ∑onfigure V

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.

Wireless × Password required for WiFiClub_join@5-4459 Connect?	WiFiClub_join@5-4459 Connecting Checking network requirements Cancel
⊕         •         •         •	Windows Security     ×       Sign in     Jser name       Password     OK
	Network & Internet settings Change settings, such as making a connection metered.

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 <a href="mailto:si.wificlub@gmail.com">si.wificlub@gmail.com</a>. 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.

requires V	VPA2 enterprise credentials.
Mode:	Automatic
Username:	
Password:	
	Show password
	🗹 Remember this network

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.

000	Verify Cert	ificate
	Authenticating to network "WiFiC Before authenticating to server "si-wifi certificate to ensure that it is appropria	lub_join@5-4459" .club", you should examine the server's ate for this network.
	To view the certificate, click 'Show Cer	tificate'.
?	Show Certificate	Cancel Continue

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

000	Verify Certificate
0	Authenticating to network "WiFiClub_join@5-4459"
1	Before authenticating to server "si-wifi.club", you should examine the server's certificate to ensure that it is appropriate for this network.
	To view the certificate, click 'Show Certificate'.
🗹 Always tr	ust "si-wifi.club"
USERT	rust RSA Certification Authority
4 📴 Se	ectigo RSA Domain Validation Secure Server CA
ь 🗄	si-wifi.club
-	0
Certificate	si-wifi.club Issued by: Sectigo RSA Domain Validation Secure Server CA Expires: Thursday, May 28, 2020 at 4:59:59 PM Pacific Daylight Time This certificate is valid
<ul><li>▶ Trust</li><li>▶ Detail</li></ul>	s
?	Hide Certificate Cancel Continue