# Manually Add Wireless on Windows I0

Windows 10 and Tech Wi-Fi do not get along—the underlying problem is an issue with Windows 10 itself, not our configuration. For this reason, you often have to manually add an encrypted network to Windows 10 computers in order to get internet access. Sometimes you will have been able to connect before but are no longer able to; other times you might have never been able to connect to the Wi-Fi. In this case, we will de-authenticate from or forget the NMT-Encrypted and then reconnect to it manually.

## **Table of Contents**

Forget the "old" wireless network	2
Add the "new" network	5

### Forget the "old" wireless network

Before adding in the wireless network, you will probably need to make the computer forget it. This is also known as de-authenticating and can help if you have been able to connect to the Wi-Fi before but are no longer able to. De-authenticating will clear out any old credentials or settings that the network had previously.

First, press the little wave signal near the bottom right of the screen.



You're not connected

And the web just isn't the same without you.

Let's get you back online

- Check that your network cables are plugged in.
- Make sure you're not in airplane mode.
- · See if your wireless switch is turned on.
- Restart your router.

Help me fix it





This will open up a list of Wi-Fi networks and an option to go to *Network settings* (note that this is a different set of settings that the *Network and Sharing Center* settings, which will be discussed later). Click on *Network settings*.



This will take you to the Network settings page, which includes a list of options for managing Wi-Fi. Click on *Manage known networks*.



Now you can list a list of all known Wi-Fi networks. **If no networks appear there, you can skip directly to manually adding the network.** In this case, we will forget the NMT-Encrypted and reconnect to it manually. Right click on it and hit *Forget*. Now you can re-add it, manually.



## Add the "new" network

Open up the Control Panel (you can start typing *Control Panel* in the search box at the bottom of the screen and it should come up.



Click on Control Panel.



You will see a large number of Control Panel options. Find *Network and Sharing Center* (middle of 2<sup>nd</sup> column to the left) and click on that.



#### Then click Set up a new connection or network.

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#### Manually connect to a wireless network.



And enter in the Wi-Fi info. The network name is *NMT-Encrypted*. The security type is *WPA2-Enterprise*. Click *Ok*.

I Panel > All Con	ntrol Panel Items >	Network and Sharing	Center	ڻ v	Search Control Panel	٩
View y	our basic netw	vork information	and set up connections			
View you	ur active networks	You are currently no	ot connected to any networks.			
Change	your networki				- 🗆	×
1	Set up a ne <sup>,</sup> ← Set up a brc	💐 Manually connec	t to a wireless network			
Troubleshoo Diagnose ar	Troubleshoo Diagnose ar	Enter informatio	on for the wireless netwo	ork yo	ou want to add	
		Security type:	WPA2-Enterprise	] ~		
		Encryption type:	AES	~		
		Security Key:			Hide characters	
		Start this conr Connect even Warning: If yc	nection automatically If the network is not broadcastir ou select this option, your compu	ng ter's p	rivacy might be at risk.	

When the *Successfully added* page appears, click *Change connection settings*.



## Go to Security.

view your busic netwo	in mornation and set up con	needons	
View your active networks —	You are cu NMT-Encrypted Wireless Ne	twork Properties X	1
Change your network	Connection Security		
Set up a net 🥧 Set up a brc	Manua Name: NMT- SSID: NMT-	Encrypted Encrypted	
Troubleshoo Diagnose ar	Success Network type: Acces Network availability: All us	ss point sers	
	$\rightarrow$ C}	hen this network is in range	
	Or Look for other wireless no network Connect even if the netw	etworks while connected to this ork is not broadcasting its name	
	(5510)		

#### And click on Settings.



You can now adjust the settings for the network authentication method. First, check the box labeled Verify the server's identity by validating the certificate. Then check the box labeled Connect to these servers. In the text box, type radiusserve-vsii.nmt.edu. Next, scroll down in the Trusted Root Certification Authorities: menu until you see the USERTrust RSA Certificate Authority box. Make sure to check the box.

All Control Panel Items > Network and Sharing Center	0	Search Control Panel
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#### View your basic network information and set up connections



You will see a small window appear labeled *EAP MSCHAPv2 Properties*. Make sure the *Automatically use my Windows logon name and password* box is **not** checked. Click *OK*.



Now go back to the page with an overview of the Wireless Network Properties. This time, rather than clicking *Settings*, click *Advanced Settings*.

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		Security	Connection		ır networki	Change y
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~	AES	n type:	Encryptic	Success	oubleshoc iagnose ar	<b>N</b>
	thentication method:	network au	Choose a	→ Cł		
Settings	EAP (PEAP) ~	t: Protected	Microsof	Op		
each	redentials for this connection e	mber my cr I'm logged o	Reme time			
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Specify the authentication mode as *User authentication* from the drop-down menu and click *Save credentials*.



Then save their 900# and Banweb password (Wi-Fi credentials) and click *OK*. This may need to be done multiple times in order for the credentials to take.

> All Control Panel Items > Netwo	rk and Sharing Center 🗸 ジ	Search Co	ontrol F
View your basic netwo <sup>-t+</sup>	Manually connect to a wireless network		
Change your networking setti	Successfully added NMT-Encrypted		
Set up a broadband Troubleshoot proble Diagnose and repai	NMT-Encrypted Wireless Network Properties       X         Connection       Security         Advanced settings       S         S02.1X settings       802.11 settings         Er       Specify authentication mode:	×	_
	Windows Security Save credentials Saving your credentials allows your computer to connect a network when you're not logged on (for example, to down updates). User name Descueed	× to the nload	cı
	OK Cancel		J

If it doesn't look like you can connect to Wi-Fi yet, click again on the little wave signal near the bottom right of the screen and find the NMT-Encrypted network. If there is a warning about expecting to find NMT-Encrypted in this location you can ignore it and click Connect.

