

General

These instructions will show how to configure the WiFi settings in the M309 to get it on your network and then set it to a static IP address. A smartphone, laptop, or tablet is required to get it on your wireless network. You will need the SSID (network name), Security Mode, and passphrase of your wireless network.

The M309 has an always on (by default) soft access point (Soft AP). The IP address for the Soft AP is **192.168.0.1** or **xpicowifi.lantronix.com**.

Step 1 Connecting to the Soft AP

Make sure the unit is on. Go to the wireless settings of your PC, tablet, or phone, and connect to the Soft AP.

lo the internet lata plan, you can make this network a r change other properties.
operties
rks
work settings
options ters and change connection settings.
ou connect to, decide what you want to share.
shooter etwork problems.
operties



The last six digits will be the last six digits of the MAC address and should be on a label on the case of the unit. If you have multiple units this will be important. Default password for the Soft AP is **XPICOWIFI** in all caps.

Step 2 Logging in to the Web Manager

Open a browser and go to 192.168.0.1.

You will get a login screen. User name is admin the password is PASSWORD.

Windows Security	>
iexplore	
The server 192.168.0.1 is asking for your user password. The server reports that it is from co	name and nfig.
admin	
Password	
Remember my credentials	
OK Ca	ncel



The Status screen will be displayed. Click on Quick Connect.

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QuickConnect Status AES Credentials Bridge CLI Server CPM Clock Device Discovery File System HTTP Sterver Line Modem Emulation Monitor NTP Network Power Radio SPI Tunnel USer WLAN Profiles	Product Information Product Type: Firmware Version: Serial Number: Uptime: Permanent Config: Network Settings MAC Address: Interface ap0 State: SSID: Security Suite: IP Address: Interface wan0 Connection State: Line 1: Line 1: Line 2: Tunneling Tunnel 1: Tunnel 2:	xPicoWifi 1.5.0.9R3 0080A3ABSF9 0 days 00:00.23 saved 00:80 A3.ABSF9 0 days 00:00.23 saved 00:80 A3.ABSF8 Up XpicoWiFL_ABSt VPA2 192.168 0.1/24 Disconnected 9600, None, 8, Protocol: Comm Accept Mode Waiting Inhibited	F9 3F9 , None , None and Line Connect Mode Disabled Inhibited		QuickConnect Status AES Credentials Bridge CLI Server CPM Clock Dayloc Discovery File System HTTP Server Line Monitor NTP Network Power Radio SPI Tunnel User User	WLAN Link S Network name: Network Name MTOFFICE MGUSS GEL039E.2.4 EEA.Wireless_GEXT ATT248 DRFECL09.HP Office.197.01 GEL125F.2.4 DRFECL09.HP Office.setPosT10 InsuranceAlternatives EEA.Wireless HP-Prints70.ffice.jest Pro.8520	CAN BSSID B7F-B9-3C-62-D3 B2-7F-B9-3C-62-D3 B2-7F-B9-3C-62-D3 00-71-C2-51-AA-B0 78-D2-94-52-D4-78 6C-CA-08-1F-57-20 68-7F-74-08-90-3D 30-E1-71-D9-D3-0A 8C-0F-6F-5D-B1-A8 A9-8C-FF-5D-B1-A8 A9-	Ch I	Sr RSSI 26 dBm 35 dBm 52 dBm 53 dBm 54 dBm 71 dBm 73 dBm 74 dBm 79 dBm	Security Suite WPA2-CCMP WPA2-CCMP- WPA2-CCMP-	[Logard] This page shows a sorted by RSSI are shown. It reports: • Network name (Service Set Identifier()SSI) • Basic Service Set Identifier()SSI) • Channel • Reserve Set Identifier()SSI) • Channel • Reserve on (rGSSI) • Socurity Suffe The form for the set of the set of the set of the set of the set of the
	Copyright © Lan	<u>uonix, inc.</u> 2007-201	o. Air rights reserved.			Сорупс	Jut © <u>Lantronix, Inc</u>	2007	-2016. All fi	gnis reserved.	

Choose the wireless network you have access to. In this case I will use MTGuest. Enter your Pass-phrase or hex code.

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QuickConnect Status AES Credentials Bridge CLI Server CPM Clock Device Diagnostics Diagnostics	WLAN Profile "MTGuest" Connect To Network Name (SSID): MTGuest BSSID: B2:7F:B9:30:62:D3 Security Suite: WPA2-CCMP Signal Strength: -35 dBm Security Key Type: @ Passphrase @ Hex		Leganti Use the Apply button to try out settings on the VLAN without saving them to Flash. If the settings do not work, when you reboot the device, it will set here the original settings. Use the Submit button to update them Flash. Use the Test Connection button to test connecting to the network using this profile.	CuickConnect Status I AES Credentials Bridge CLI Server CPM Clock Device Diagnostics Discovery File System	WLAN Profile "MT Changed WLAN Profile Ne Changed WLAN Profile Ne "MTGuest" Changed WLAN Profile Ne "Configured". Changed WLAN Profile Ne "Configured". The changes have been sa	Legout Use the Apply button to by out settings on the VLAN wholes a single work, when you reach the the will all have the original settings. Use the Submit button to update the WLAN settings and save them to Flash. Use the Test Connection button to that connecting to the network using in profile.	
File System	Password:	•••••		HTTP Server	Network Name (SSID):	MTGuest	-
HTTP Server			-	Modem	State:	Enabled Disabled	
Line	>	Advanced		Emulation		Security	
Modem Emulation	Apply Test Connection Submit			Monitor	Suite:	WPA2 V	
Monitor	7007 Combouldrine Country			NIP	Key Type:	Passphrase Hex	
NTP				Power	Password:	•••••	
Network				Radio	Encryption:		
Power				SPI		Advanced	
Radio				Tunnel	TX Power Maximum:	17 dBm	
SPI				WLAN Profiles	Power Management:	C Enabled Disabled	1
Tunnel User WLAN Profiles					[Test Connection	-
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At this point your unit should be on the wireless network.



Step 3 Setting the static IP address.

Click on Network. Then click on wlan0. ap0 is the Soft AP, wlan0 is what you are going to set. Then select Configuration.

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QuickConnect Status A AES Credentials Bridge CLI Server CPM Clock Device	ap0 wian0 Interface Link Status Configuration Interface ap0 Status			Legout This shows the tatus of the network Interface on the dwice. When DHCP fails to discover an IP Address, a new address will be writhin the 169.254 xx space. apo will away use the assigned static IP.	QuickConnect Status AES Credentials Bridge CLI Server CPM Clock Device	Interface wlar	Legenti These settings pertain to the Network Interface on the device. To see the effect of these selections after a reboot, view the after a reboot, view the end of the set of the set of the set of the set will take effect after reboot or wake from setter or the set of the set all addresses to app's clients. DHCP Server manages up to 4 simulances clients. (On's 3 if	
Diagnostics Discovery File System	Property Status: MAC Address:	Status Link up 00:80:A3:AB:58:F9			Diagnostics Discovery File System	State: DHCP Client:	Enabled Disabled Disabled	wano is enabled. j
HTTP Server Line Modem	State:	Current Enabled	After Reboot Enabled		HTTP Server Line Modem	IP Address: Default Gateway:	10.0.0.94/8	-
Emulation Monitor NTP	MSS: DHCP IP Address Range Start:	192.166.0.1/24 1460 bytes 192.168.0.1	(DRCP) 1460 bytes <minimum></minimum>		Emulation Monitor NTP	Primary DNS: Secondary DNS:	<none></none>	-
Network Power Radio SPI Tunnel User WLAN Profiles	UHUM IM Address Range End:	192.108.0.254	≤waximum>		Network Power Radio SPI Tunnel User WLAN Profiles	MSS:	1460 bytes	1
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IP address and subnet mask are entered in the same box. Hover over the IP Address box and the instructions will appear on the right. Subnet can be entered in the CIDR format or explicit. **Disable the DHCP Client**.

x Pic	o° Wi-	Fľ	LANTRONIX"					
QuickConnect Status & AES Credentials Bridge CLI Server CPM Clock Clock Device	Interface wlan	ap0 wlan0 Interface Link Status Configuration IO Configuration	IP Address may contain up to 31 characters. IP Address may be entered alone, in CIDR form, or with an explicit mask. 192:168.1.1 (default mask) 192:168.1.1 / 245 (CDR). 192:168.1.1 / 245 (CDR). 193:168.1.1 / 245 (CDR). 19	ap0 wlan0 Interface Link Status Configuration				
Diagnostics Discovery	State:	Enabled Disabled Disabled		Interface wia	0 Configuration	When ap0 will assign clients. DF to 4 simult wlan0 is e		
File System	ID Address	10.0.0.04/22		Interface wiai	io comgutation			
Line	IF Address.	10.0.0.94/23		State:	Enabled Disabled			
Modem	Default Gateway:	10.0.0.1	-	DHCP Client:	O Enabled Disabled			
Emulation	Hostname:		-	IP Address:	10.0.0.94/8 ×			
NTP	Primary DNS:	<none></none>	-	Default Gateway:	10.0.0.1	1		
Network	Secondary DNS:	<none></none>	-	Hostname:		-		
Power	MSS:	1460 bytes		Di DNA		-		
Radio				Primary DNS:	<none></none>	-		
Tunnel				Secondary DNS:	<none></none>			
User				MSS:	1460 bytes			
WLAN Profiles	Copyrig	ht © Lantronix, Inc. 2007-2018. All rights reserved.			Submit			

Click Submit when your settings have been entered.

Temperature Guard

A reboot is required for the changes to take affect. You can physically reboot the unit with the switch, or click on **Device** and **Reboot**. Confirm the reboot and wait 10 seconds.



The login screen will likely re-appear. If your settings are correct, you are done. Login again, or continue on to Data Capture.

Notes:

The security settings for the Soft AP can be changed. If you do, be sure to write them down. SSID

Security

Encryption

Passphrase