

## 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.

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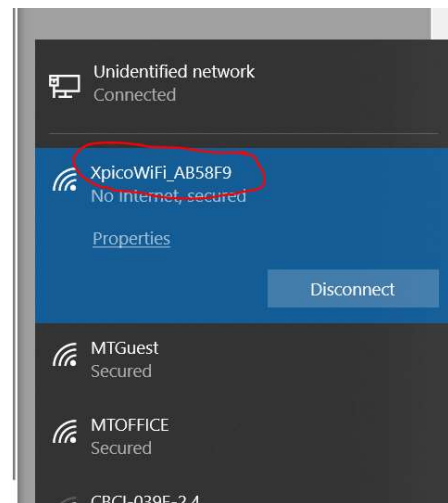
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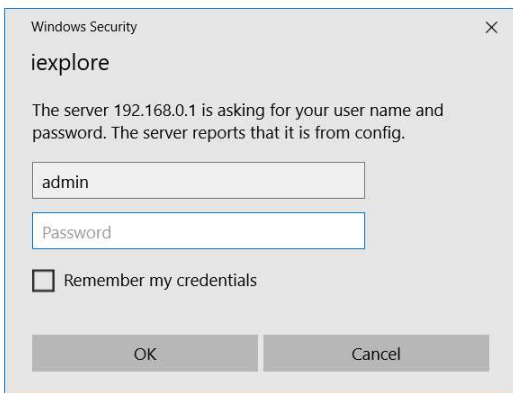


The last six digits will be the last six digits of the MAC address and should be on a label on the case of the unit. If you have multiple units this will be important. Default password for the Soft AP is **XPICOWIFI** in all caps.

### 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**.



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

**WLAN Link Scan**

Network Name	BSSID	Ch	RSSI	Security Suite
MTOFFICE	B0:7F:B9:3C:62:D3	4	-26 dBm	WPA2-CCMP
MTGuest	B2:7F:B9:3C:62:D3	4	-35 dBm	WPA2-CCMP
CBCL039E-2.4	00:71:C2:51:AA:80	1	-52 dBm	WPA2-CCMP-TKIP
FEA-Wireless_2GEXT	78:D2:94:52:D4:78	1	-58 dBm	WPA2-CCMP-TKIP
ATI248	6C:CA:08:1F:57:20	1	-60 dBm	WPA2-CCMP-TKIP
linksys	68:7F:74:08:90:3D	6	-62 dBm	WPA2-CCMP
DIRECT_09_HP OfficeJet Pro 8710	30:E1:71:D9:D3:0A	6	-68 dBm	WPA2-CCMP
CBCL525F-2.4	8C:0F:6F:5D:B1:A8	11	-71 dBm	WPA2-CCMP-TKIP
DIRECT_B7_HP OfficeJet Pro 8710	A0:8C:FD:5C:77:B8	6	-73 dBm	WPA2-CCMP
InsuranceAlternatives	D8:97:BA:CE:92:D0	11	-74 dBm	WPA2-CCMP-TKIP
FEA-Wireless	10:9A:DD:8D:AF:6B	1	-76 dBm	WPA2-CCMP-TKIP
HP-Print-S7-Officejet Pro 8520	6C:C2:17:4E:20:97	11	-79 dBm	WPA2-CCMP

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

**WLAN Profile "MTGuest"**

**Connect To**

Network Name (SSID):	MTGuest
BSSID:	B2:7F:B9:3C:62:D3
Security Suite:	WPA2-CCMP
Signal Strength:	-35 dBm

**Security**

Key Type:  Passphrase  Hex

Password: [REDACTED]

Buttons: Apply, Test Connection, Submit

**WLAN Profile "MTGuest"**

Changed WLAN Profile New\_Profile Instance to "MTGuest".  
 Changed WLAN Profile New\_Profile Basic Network Name to "MTGuest".  
 Changed WLAN Profile New\_Profile Security Suite to "WPA2".  
 Changed WLAN Profile New\_Profile Security WPAx Passphrase to "\*-Configured\*"  
 Changed WLAN Profile New\_Profile Security WPAx Encryption to "CCMP".  
 The changes have been saved permanently.

**Basic**

Network Name (SSID): MTGuest

State:  Enabled  Disabled

**Security**

Suite: WPA2

Key Type:  Passphrase  Hex

Password: [REDACTED]

Encryption:  CCMP  TKIP

**Advanced**

TX Power Maximum: 17 dBm

Power Management:  Enabled  Disabled

Button: Test Connection

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**.

**Interface ap0 Status**

Property	Status
Status:	Link up
MAC Address:	00:80:A3:AB:58:F9
	Current After Reboot
State:	Enabled Enabled
IP Address:	192.168.0.1/24 (DHCP)
MSS:	1460 bytes 1460 bytes
DHCP IP Address Range Start:	192.168.0.1 <Minimum>
DHCP IP Address Range End:	192.168.0.254 <Maximum>

**Interface wlan0 Configuration**

State:	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
DHCP Client:	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled
IP Address:	10.0.0.94/8
Default Gateway:	10.0.0.1
Hostname:	
Primary DNS:	<None>
Secondary DNS:	<None>
MSS:	1460 bytes

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.**

**Interface wlan0 Configuration**

State:	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
DHCP Client:	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled
IP Address:	10.0.0.94/23
Default Gateway:	10.0.0.1
Hostname:	
Primary DNS:	<None>
Secondary DNS:	<None>
MSS:	1460 bytes

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)  
192.168.1.1/24 (CIDR)  
192.168.1.1 255.255.255.0 (explicit mask)  
The IP Address will be displayed always in CIDR, the canonical form.

**Interface wlan0 Configuration**

State:	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
DHCP Client:	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled
IP Address:	10.0.0.94/8 x
Default Gateway:	10.0.0.1
Hostname:	
Primary DNS:	<None>
Secondary DNS:	<None>
MSS:	1460 bytes

Submit

Click Submit when your settings have been entered.

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 screenshot shows two panels from the xPico Wi-Fi web interface. The left panel is titled "Interface wlan0 Configuration" and contains a message: "Changed Interface wlan0 IP Address to '10.0.0.94/8'. The changes have been saved permanently. WARNING: Change in Interface settings will take effect on the next reboot." Below the message is a form with the following fields:

State:	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
DHCP Client:	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled
IP Address:	10.0.0.94/8
Default Gateway:	10.0.0.1
Hostname:	
Primary DNS:	<None>
Secondary DNS:	<None>
MSS:	1460 bytes

The right panel is titled "Device Status" and shows a table of properties:

Property	Status
Product Type:	xPicoWifi
Product ID:	Y1
Product SKU:	XPW1001
Antenna:	External
Serial Number:	0080A3AB58F9
Firmware Version:	1.5.0.3R3
Build Date:	Aug 29 2018 (11:29:58)
Bootloader Version:	1.0.0.0R7
Bootloader Date:	Apr 2 2014 17:55:26
OTA Upgrade Version:	1.2.0.0R5
Uptime:	0 days 00:58:00
Permanent Config:	saved

At the bottom of the Device Status table are four buttons: [ Save ], [ Reboot ], [ Factory Defaults ], and [ Firmware Upload ]. The [ Reboot ] button is circled in red. A red arrow points to the "Device" menu item in the left sidebar.

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