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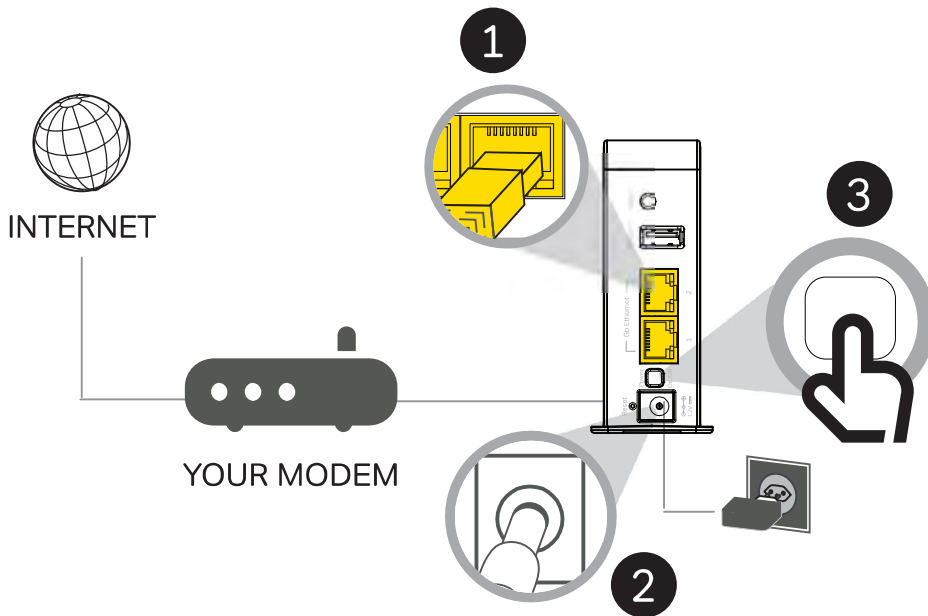
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Quick Installation Guide

**1600 Mbps Video Grade Wireless Booster
Air 4920**

1. Configuring MESH: Installing the first Air 4920



Connect the Air 4920 to Internet gateway via Ethernet Cable (1) and electric power (2) as show above and power it up by pressing the power button (3).

Wait for about two (2) minutes for the all of the LEDs turn solid:

- Power: Should turn solid WHITE as soon as the Air 4920 is powered on.
- 2.4GHz: Should turn solid GREEN in about one (1) minute.
- 5GHz: Should turn solid GREEN in two (2) minutes.

Once all LEDs on the front of the Air 4920 turn solid colors, you may:

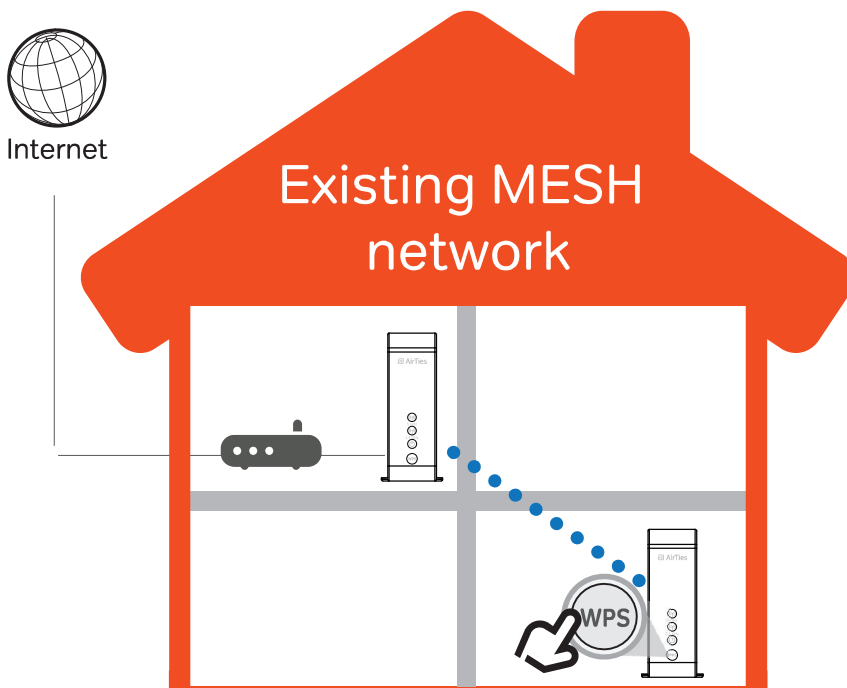
- Customize the MESH network SSID (WLAN Name) and security key (WLAN Password).



- Custom Wi-Fi settings will invalidate factory settings (i.e. it will no longer be possible connect to the MESH network using factory settings).
- Please be sure to remember and safeguard the custom WLAN Password.
- If the WLAN Password is somehow lost and access to the web browser interface is also lost (e.g. the login credentials are forgotten), then the unit can be reset to factory settings (see Section 6, "Appendix D: Returning to Factory Settings (Resetting)").
- **It is highly recommended that any and all customizations are performed BEFORE any units are added to the MESH network.** If customizations precede any MESH expansion, then the unity of the MESH network will be maintained, i.e. there will be only one pair of WLAN Name (SSID) and WLAN Password (security key) in effect throughout the MESH network. Otherwise, the MESH network will be split into multiple, independent WLANs (each with a different SSID and password) on the 2.4GHz band. In summary:
 - Customizations BEFORE MESH expansion (i.e. only ONE unit in use): Custom settings for only the 5GHz band are automatically propagated to all bands of the units added subsequently. The settings for the 2.4GHz band is not propagated to additional units.
 - Customizations AFTER MESH expansion (i.e. MESH already set up with multiple units) do not propagate to other units whatsoever.

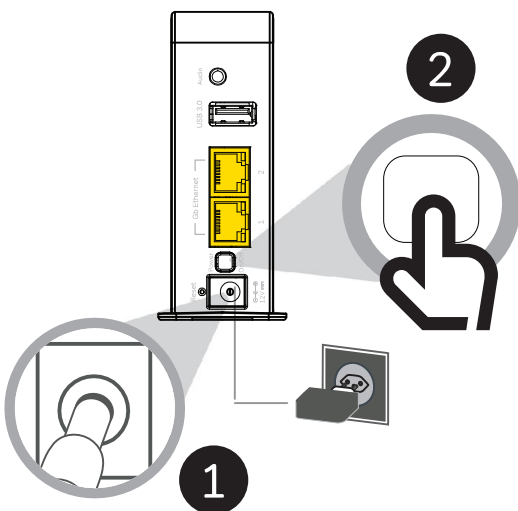
- Connect to the MESH network with WiFi clients using factory settings (please continue to Section 3, "Appendix A: Connecting to the WiFi Network (using Factory Settings)").
- Add additional Air 4920 unit(s) to expand the MESH network (please continue to Section 2, "Configuring MESH: Expanding the MESH network").

2. Configuring MESH: Expanding the MESH network



This section must be repeated for each Air 4920 to be added to the MESH network.

Place the additional Air 4920 near an Air 4920 that is already set up. There should be at least one Air 4920 previously set up (if not, then complete Section 1, "Configuring MESH: Install the first Air 4920").

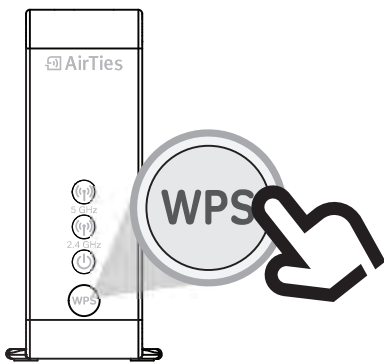


Connect the additional Air 4920 to electric power (1) and power it up by pressing the power button (2) as shown left.

Wait about four (2) minutes for the all of the LEDs turn solid:

- Power: Should turn solid white as soon as the Air 4920 is powered on
- 2.4GHz: Should turn solid GREEN in about one (1) minute.
- 5GHz: Should turn solid GREEN in two (2) minutes.

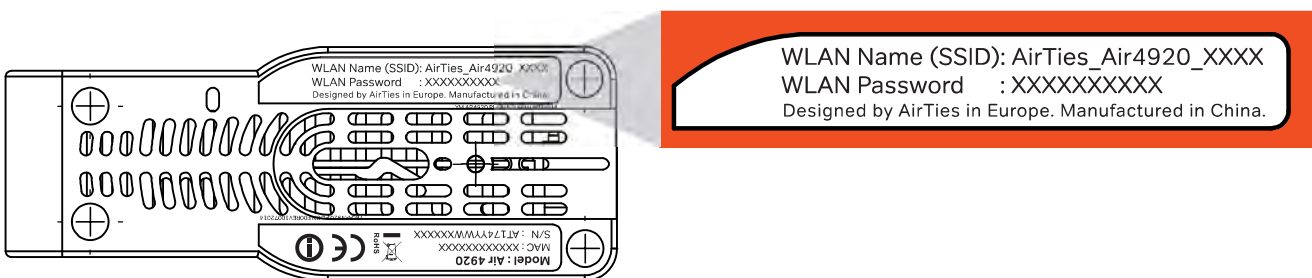
Once all three LEDs on the front of the new Air 4920 turn solid colors, proceed with adding it to the MESH network:



- Push the WPS button for 2 seconds on an Air 4920s that is already on the MESH network and that has a solid GREEN 5GHz LED. Please note that the Air 4920 chosen for this step could be the first Air 4920 that was set up, i.e. the one that is wired to the modem (see Section 1). Or, it can be an Air 4920 that was later added to extend the MESH network. In either case, the Air 4920 used in this step needs to have a strong signal, indicated by a solid GREEN 5GHz LED.
- Push the WPS button for 2 seconds on the Air 4920 to be added to the MESH network.
- Wi-Fi LEDs blink GREEN on the two Air 4920s during the connection (pairing) operation. On successful connection, LEDs turn solid GREEN; on failure, LEDs blink RED.

3. Appendix A: Connecting to the WiFi Network (using Factory Settings)

By the default, the Air 4920 broadcasts the same WLAN Name (SSID) for 2.4GHz and 5GHz bands. This SSID is WPA2 protected on both bands. The SSID and its security key (WLAN Password) are randomly generated as a part of the manufacturing process. Both the SSID and the security key can be found on the label stamped to the bottom of the product, as shown in the example below provided here as a reference.



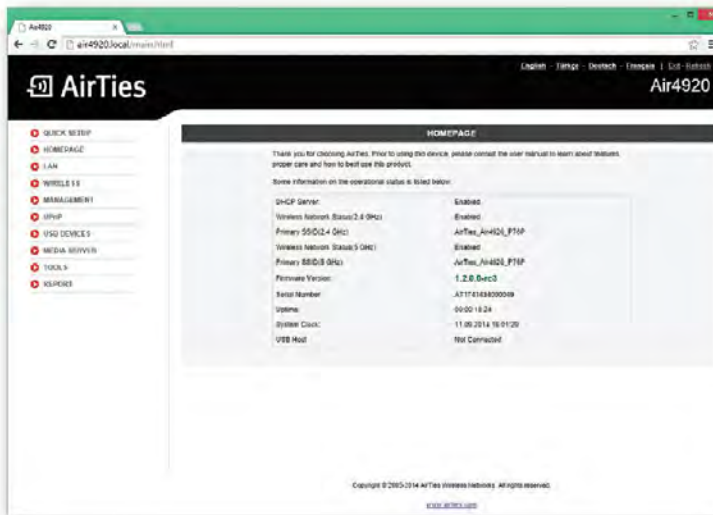
4. Appendix B: Customizing WiFi Settings

Connect your WiFi client (e.g. laptop or tablet) to the factory-default WLAN Name (SSID) on using the factory-default WLAN Password.

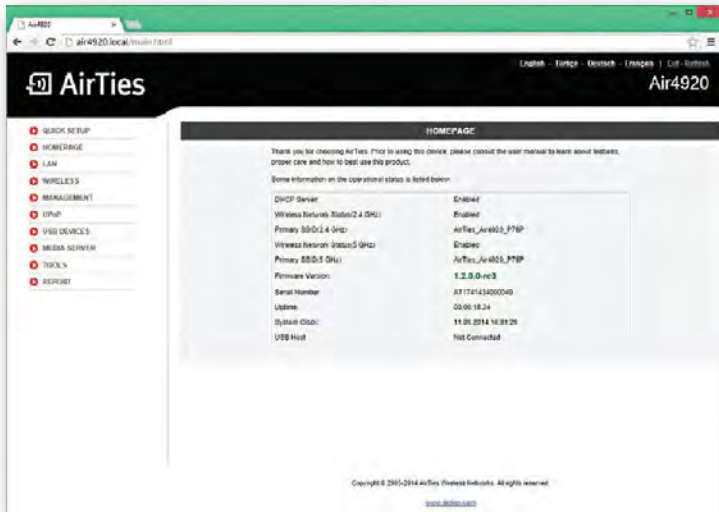
- Open a web browser and type “air4920.local” in the address bar.



- Login credentials:
 - Username: admin
 - Password: (none/blank)






Click “Quick Setup” on the left navigation menu.



Access Point tab will be enabled as the active tab.

- Configure required settings by clicking on WLAN 1 (2.4 GHz) or WLAN 2 (5 GHz) tabs. SSID and Security settings can be accessed **by scrolling the web page**.

5. Appendix C: Status LEDs and Simple Troubleshooting Steps

LED Indicators:	LED	LED Behavior	Explanation	Troubleshooting Step(s)	
Power (Single color, white)	Dark	-		Power OFF	Check the power button on the back (it must be pressed in).
	White	Solid		Power ON	No action required
	White	Blinking		Firmware upgrade in progress	No action required
	Red	Blinking		Failure*	Power the unit off, wait for 10 seconds, and then power it back on. If failure condition returns, seek help from technical support.
WLAN 2.4 GHz (DUAL COLOR)	Green	Solid		The node has a strong MESH connection. Note: When adding a unit to the MESH network (using WPS buttons), the same condition means the operation completed successfully.	No action required
	Red	Solid		WLAN is active and all active MESH links of the node are weak	Change the location of the unit to obtain a better signal to another Air 4920 that has a solid GREEN 5GHz LED.
	Dark	Solid		WLAN is not active	Consider changing the location of the unit to improve signal strength.
	Green	Blinking		WPS is progress	No action required.
	Red	Blinking		WPS is not successful	Repeat attempt to add device to MESH network (see Section 2).
WLAN 5 GHz (DUAL COLOR)	Green	Solid		The node has a strong MESH connection. Note: When adding a unit to the MESH network (using WPS buttons), the same condition means the operation completed successfully.	No action required.
	Red	Solid		WLAN is active and all active MESH links of the node are weak	Change the location of the unit to obtain a better signal to another Air 4920 that has a solid GREEN 5GHz LED.
	Dark	Solid		WLAN is not active	Consider changing the location of the unit to improve signal strength.
	Green	Blinking		Searching for radar OR WPS is in progress	No action required.
	Red	Blinking		WPS is not successful	Repeat attempt to add device to MESH network (see Section 2).

6. Appendix D: Returning to Factory Settings (Resetting)

To return unit to factory settings, press down on the reset button in the back for 10-12 seconds. A metal paperclip (with an extended tip) is typically a good choice for this task. Once the reset process is triggered, the unit will reboot (in about 2 minutes) to factory settings.

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