

DAP-1650



**Wireless AC1200
Dual Band Gigabit Range Extender**

Quick Install Guide
D-Link®

Package Contents



DAP-1650 Wireless Range Extender



Power Adapter



Ethernet Cable



Wi-Fi Configuration Card



Quick Install Guide

If any of the above items are missing, please contact your reseller.

Note: Using a power supply with a different voltage than the one included with the DAP-1650 will cause damage and void the warranty for this product. If any of the above items are missing, please contact your reseller.

Minimum Requirements

Computer with:

- Windows® 8, 7, Vista®, XP (SP3), Mac OS® X (10.5 or higher)
- Internet Explorer 7, Chrome, Firefox, or Safari 5 or higher

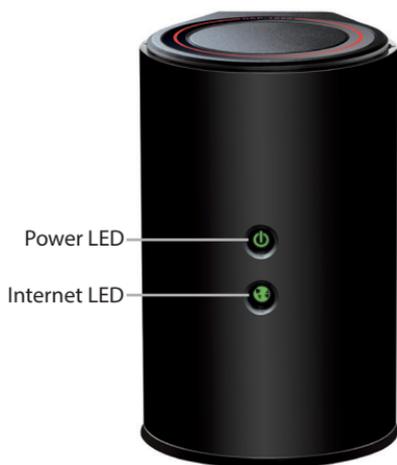
Mobile Apps:

- SharePort Mobile App requires iOS 4.3 or Android 2.0
- QRS Mobile App requires iOS 4.3 or Android 2.0

For Internet Access:

- Cable or DSL Modem and Router
- Subscription with an Internet Service Provider (ISP)

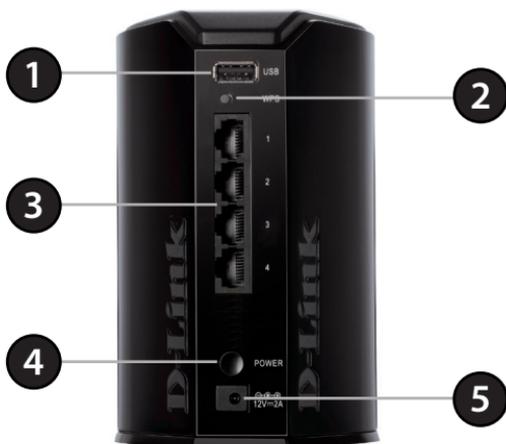
Product Overview



LED	Color	Status	Description
Power LED	Orange	Solid	The DAP-1650 is powering on or booting up.
		Blinking	The device is in recovery mode.
	Green	Solid	The device is on and functioning properly.
		Blinking	The WPS button has been pushed and the device is processing a connection.
Internet LED	Green	Solid	A successful connection has been established.*
	Orange	Blinking	A firmware upgrade is in progress.
	Off		The device is being reset to the factory default settings.

***Note:** When the LED turns solid green, this indicates that the DAP-1650 is securely connected to your wireless router or access point.

Connections



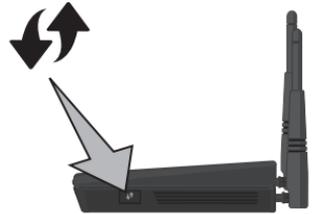
1	USB Port	Connect a USB thumb drive to share files. (Only in AP mode.)
2	WPS Button	Press to initiate the WPS (Wi-Fi Protected Setup) process.
3	Ethernet Ports (1-4)	Connect Ethernet devices like computers, gaming consoles, printers, and NAS (Network Storage) devices to your wireless network.
4	Power Button	Press to power the device on and off.
5	Power Port	Connect the supplied power adapter to an outlet.

Connect to Your Router Using WPS

- 1 Find an available outlet near your wireless router. Plug in the DAP-1650 and wait until the Power LED is solid green.



- 2 Press the **WPS** (Wi-Fi Protected Setup) button on your wireless router.



- 3 Within one minute, press the **WPS** button on the DAP-1650. The Power LED will start to blink.



- 4 You can now unplug and move the DAP-1650 to a location between your wireless router and the area that you need wireless coverage.



Connect Your Wireless Devices

- 5 From your wireless device go to the Wireless Utility to display the available wireless networks and select the **Wi-Fi Name (SSID)** that appears on the *Wi-Fi Configuration Card*.

D-Link Wi-Fi Configuration Card

Default Configuration

Wi-Fi Name(SSID) 2.4GHz: dlink-xxxx	Wi-Fi Name(SSID) 2.4GHz:
Wi-Fi Name(SSID) 5GHz: dlink-xxxx-5GHz	Wi-Fi Password:
Password: xxxxxxxx	Wi-Fi Name(SSID) 5GHz *:
	Wi-Fi Password *:

To configure your extender, go to:
<http://dlinkag.local>
Or <http://192.168.0.50>

Username: "Admin"
Password: "" (leave the field blank)

Your configuration
Username: "Admin"
Password: _____

*For applicable models
DC9W900M8000



When using WPS to connect to the router, the SSID on the DAP-1650 will automatically be assigned the following:

- 2.4GHz (Your Router's SSID) - EXT
- 5GHz (Your Router's SSID) - EXT5G

The Wi-Fi password for your router will be the same for the DAP-1650.

Repeat step 5 to connect additional Wi-Fi devices to the DAP-1650.

- 6 Your device is now connected to the DAP-1650 and can connect to your wireless router. If you want to change your network settings, password, etc., follow the steps on the next page to configure the DAP-1650. To connect additional devices, repeat step 5.

Your setup is complete!

Configure the DAP-1650 Using a Web Browser

Use the web-based configuration utility on the DAP-1650 to do the following:

- Run the Setup Wizard
- Change wireless and network settings

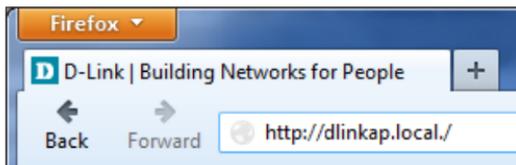
1 Plug the DAP-1650 in an available outlet near your router. You may move it to a more suitable location after configuration.



2 Open the wireless utility on your wireless device or computer. Select the **Wi-Fi Name** (from the *Wi-Fi Configuration Card*) and enter the **password**.

D-Link Wi-Fi Configuration Card	
Default Configuration	Wi-Fi Name(SSID) 2.4GHz: <input type="text"/>
Wi-Fi Name(SSID) 2.4GHz: dlink-xxxx	Wi-Fi Password: <input type="text"/>
Wi-Fi Name(SSID) 5GHz: dlink-xxxx-5GHz	Wi-Fi Name(SSID) 5GHz *: <input type="text"/>
Password: xxxxxxxx	Wi-Fi Password *: <input type="text"/>
To configure your extender, go to: http://dlinkap.local. Or http://192.168.0.50	Your configuration Username: "Admin" Password: <input type="text"/>
Username: "Admin"	
Password:** (leave the field blank)	*For applicable models

3 Open a web browser (e.g., Internet Explorer, Firefox, Safari, or Chrome) and enter **http://dlinkap.local/**. You may also enter the IP address* of the DAP-1650. Windows XP users can enter **http://dlinkap**.



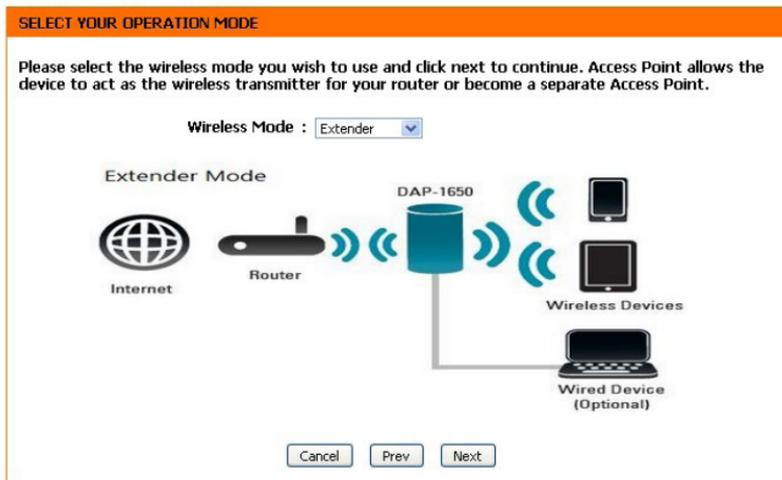
* The default IP address is 192.168.0.50. Once the DAP-1650 connects to your router, it will get assigned a new IP address based on your router/network's DHCP settings. You will need to log in to your router and view the DHCP table to see what IP address was assigned to the DAP-1650. The MAC address is printed on the label on the DAP-1650.

- 4 The first time you connect, the DAP-1650 will automatically launch the *Wi-Fi Connection Setup Wizard*. Click **Next**.

Note: The next time you go to the configuration utility, you will see the login screen. By default the password is blank. Click **Log in**.



- 5 By default, your DAP-1650 will be set to *Extender mode*. Click **Next**.



- 6** This screen will allow you to set a **Wi-Fi Network Name** (SSID) and **Wi-Fi Password** for both the 2.4GHz and 5GHz bands. Click **Next**.

CONFIGURE YOUR WI-FI SECURITY (2.4 GHz)

Give your Wi-Fi network a name.
Wi-Fi Network Name (SSID):
dlink-80D8 (Using up to 32 characters)

Give your Wi-Fi network a password.
Wi-Fi Password:
m0bw34327 (Between 8 and 63 characters)

CONFIGURE YOUR WI-FI SECURITY (5 GHz)

Give your Wi-Fi network a name.
Wi-Fi Network Name (SSID):
dlink-80D8-5GHz (Using up to 32 characters)

Give your Wi-Fi network a password.
Wi-Fi Password:
m0bw34327 (Between 8 and 63 characters)

- 7** You will see this screen while the DAP-1650 is scanning for an available Wi-Fi network. Click **Finish**.

SELECT WI-FI NETWORK

Scanning for available Wi-Fi network...

- 8** You will see a list of available Wi-Fi networks. Select the **Wi-Fi Name** of the wireless network you wish to connect to. Click **Connect**.

D-Link Language: English

Wi-Fi Network Name	Mac Address	Channel	Encrypt	Signal	Select
dlink-D8BC	78:54:2E:49:D8:B:C	3	TKIP+AES/(WPA+WPA2)PSK	100%	<input type="radio"/>
tech_wenter_DIB835	84:C9:E2:6A:ED:CF	6	TKIP+AES/(WPA+WPA2)PSK	100%	<input type="radio"/>
belkan	00:22:75:4A:12:C1	6	NONE	100%	<input type="radio"/>
1320 repeating a wireless router	C8:D3:A3:A6:7B:63	1	NONE	100%	<input type="radio"/>
ms-lounge	84:C9:E2:6E:40:AB	3	TKIP+AES/(WPA+WPA2)PSK	100%	<input type="radio"/>
7245 6100	00:0F:CC:EA:53:8C	6	WEP	100%	<input type="radio"/>
dlink-371C	C8:D3:A3:56:37:1C	10	TKIP+AES/(WPA+WPA2)PSK	100%	<input type="radio"/>
donotconnect-175	C8:D3:A3:23:B7:7C	11	TKIP+AES/(WPA+WPA2)PSK	100%	<input type="radio"/>
cloudbear	80:94:E4:C9:CC:46	11	TKIP+AES/(WPA+WPA2)PSK	100%	<input type="radio"/>
TheRack	00:13:46:88:41:7F	6	WEP	100%	<input type="radio"/>
DL_VAP_w0 a	00:24:01:AB:C7:B0	149	NONE	100%	<input type="radio"/>
donotconnect5GHz-175	C8:D3:A3:23:B7:7E	48	TKIP+AES/(WPA+WPA2)PSK	97%	<input type="radio"/>
dlink-371C-media	C8:D3:A3:56:37:1E	157	TKIP+AES/(WPA+WPA2)PSK	95%	<input type="radio"/>
dlink-5GHz-DBB8	78:54:2E:49:DB:BA	48	TKIP+AES/(WPA+WPA2)PSK	85%	<input type="radio"/>
dlink_media	00:24:01:3E:06:04	36	TKIP+AES/(WPA+WPA2)PSK	82%	<input type="radio"/>

WIRELESS

- 9 If the existing wireless network is password protected, you must enter the **Wi-Fi Password**. Click **Next**.

ENTER WI-FI PASSWORD

Please enter Wi-Fi Password to establish wireless connection.

Wi-Fi Password :

- 10 Set a password for administrator access to the Web-based configuration. Click **Next**.

SET YOUR PASSWORD

By default, your new D-Link Access Point does not have a password configured for administrator access to the Web-based configuration pages. To secure your new networking device, please set and verify a password below:

Password :

Verify Password :

Enable Graphical Authentication :

- 11 A summary page will be displayed showing the *Wi-Fi Settings*. Click **Finish**. The DAP-1650 will reboot.

CONFIRM WI-FI SETTINGS (2.4 GHz)

Below is a detailed summary of your Wi-Fi security settings. Please print this page out, or write the information on a piece of paper, so you can configure the correct settings on your Wi-Fi devices.

Wi-Fi Network Name (SSID) : dlink-B008
Wi-Fi Password : mmbw94327

CONFIRM WI-FI SETTINGS (5 GHz)

Wi-Fi Network Name (SSID) : dlink-B008-5GHz
Wi-Fi Password : mmbw94327

CONFIRM WI-FI SETTINGS (Extender)

Wi-Fi Network Name (SSID) : DL_VAP_w1_g
Wi-Fi Password : None

Troubleshooting

Why can't I connect to my wireless router or my wireless connection drops?

1. Verify that the DAP-1650 is within range of your wireless router. Try plugging it into a location closer to the router and verify the Internet LED is solid green.
2. Note that when repeating a wireless signal from a router or access point, devices connected to the repeater will not get the same speed/throughput as when connected directly to the router.

How do I change the wireless settings on the DAP-1650?

1. Open a web browser (e.g., Internet Explorer, Firefox, Safari, or Chrome) and go to <http://dlinkap.local/> (or <http://dlinkap> on Windows XP).
2. At the login screen, enter your **password** and click or press the **Log in**.
3. Go to **Setup > Wireless Setup**.
4. Enter a new **Wireless Network Name** (SSID) and modify settings as needed.
5. Click **Save Settings**.

D-Link

DAP-1650 **Extender** SETUP ADVANCED MAINTENANCE STATUS HELP

WIRELESS NETWORK

Use this section to configure the wireless settings for your D-Link Access Point. Please note that changes made in this section may also need to be duplicated on your wireless client.

To protect your privacy you can configure wireless security features. This device supports three wireless security modes including: WEP, WPA and WPA2.

Save Settings Don't Save Settings

WIRELESS MODE SETTINGS

Wireless Mode: Extender
Radio Schedule: Always New Schedule

Wireless Network Settings (2.4 GHz)

Wireless Band: 2.4GHz Band
Enable Wireless:

Wireless Network Name: dlink-AE1C-594E-EXT (Also called the SSID)
802.11 Mode: Mixed 802.11n, 802.11g and 802.11b

Enable Auto Channel Scan:

Wireless Channel: 2.412 GHz - CH1
Transmission Rate: Best (automatic) (Mbit/s)
Channel Width: 20/40 MHz (Auto)
Visibility Status: Visible Invisible

WIRELESS SECURITY MODE:

Security Mode: WPA/Personal

WPA

Use WPA or WPA2 mode to achieve a balance of strong security and best compatibility. This mode uses WPA for legacy clients while maintaining higher security with stations that are WPA2 capable. Also the strongest cipher that the client supports will be used. For best security, use WPA2 Only mode. This mode uses AES (CCMP) cipher and legacy stations are not allowed access with WPA security. For maximum compatibility, use WPA Only. This mode uses TKIP cipher. Some gaming and legacy devices work only in this mode.

To achieve better wireless performance use WPA2 Only security mode (or in other words AES cipher).

Helpful Hints...

- Changing your wireless network name is the first step in securing your wireless network. We recommend that you change it to a familiar name that does not contain any personal information.
- Enable Auto Channel Scan let the AP can select the best possible channel for your wireless network to operate in.
- Visibility Status is another way to secure your network. With this option visible, no wireless clients will be able to see your wireless network when they perform a scan to see what's available. In order for your wireless devices to connect to your AP you will need to manually enter the Wireless Network Name on each device.
- If you have enabled Wireless Security, make sure you enter down the WEP Key or Password that you have configured. You will need to enter this information on any wireless device that you connect to your wireless network.

Note: If you have changed the Wi-Fi Network name, the device you are currently using to connect to the DAP-1650 will drop. You will need to open your wireless utility and connect to the DAP-1650 using the new network name and password.

What if I forgot my DAP-1650 password?

1. If you forgot your password or want to reset the DAP-1650 back to the factory default settings, press and hold the reset button on the bottom of the extender using a paper clip and release after a minimum of five seconds.

Note: This process will erase all your settings.

2. You may repeat the WPS process on page five. Follow the steps under *Connect to Your Router Using WPS*.



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<http://tsd.dlink.com.tw/GPL.asp>

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Snail Mail:

Attn: GPLSOURCE REQUEST
D-Link Systems, Inc.
17595 Mt. Herrmann Street
Fountain Valley, CA 92708

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Version 3, 29 June 2007

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Notes

Notes

Technical Support

This guide is for first time configuration. Please refer to the user manual to learn more.
U.S. and Canadian customers can contact D-Link Technical Support through our website.

USA



<http://support.dlink.com>

Canada



<http://support.dlink.ca>

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