



Factory Reset: In order to reset your unit to factory default, you must hold in the reset button (found on the bottom of the unit) while you apply power to the unit.

More AirborneM2M Products

Embedded Dual-band M2M Access Point Module # BB-APMN-Q551



802.11 Wireless Bridge, Router & Serial Server # BB-ABDN-ER-IN5010

B+B SMARTWORX Powered by AD\ANTECH

1 (888) 948-2248 | Europe: +353 91 792444 advantech-bb.com QUICK START



BB-ABDN-ER-DP551 & BB-ABDN-ER-DP551U

Wireless Ethernet Adapter

Before you begin, be sure you have the following:

- + BB-ABDN-ER-DP551 or BB-ABDN-ER-DP551U
- + (BB-ABDN-ER-DP551) 5 VDC power supply, with 2.1 mm barrel jack

OR

(BB-ABDN-ER-DP551U) Dual (Y) USB power cable, with 2.1 mm barrel jack

- + 50 Ohm, omni-directional antenna
- + CD



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Attach the Antenna

Connect the antenna to the antenna connector located on the side of the device.

2 |Connect Ethernet

Connect the Ethernet cable to an Ethernet port on a host computer or network router/switch.

3 Connect Power Supply

(BB-ABDN-ER-DP551) Connect the power supply to an AC power outlet. Plug the barrel connector from the AC power supply into the BB-ABDN-ER-DP551's power port.

(BB-ABDN-ER-DP551U) Plug the Dual (Y) USB cable's two USB connectors into two USB ports. Plug the dual (Y) USB cable's barrel connector into the BB-ABDN-ER-DP551U's power port.

4 Connect To The Device

Please be sure that your wireless is turned Off on your PC and your Ethernet NIC is set for **DHCP**.

Internet Protocol Version 4 (TCP/IPv4) Properties						
General Alternate Configuration						
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.						
Obtain an IP address automatically	χ					
O Use the following IP address:						
IP address:						
Sybnet mask:						
Default gateway:						
Obtain DNS server address autom	atically					
Use the following DNS server addr	resses:	_				
Preferred DNS server:						
<u>A</u> lternate DNS server:						
Validate settings upon exit	Ad <u>v</u> anced.					
	OK Can	cel				

Open the web browser and type: **192.168.2.1** Username: **dpac** Password: **dpac**

 Windows Security
 ×

 Microsoft Edge
 The server 192.168.2.1 is asking for your user name and password. The server reports that it is from .

 Warning: Your user name and password will be sent using basic authentication on a connection that isn't secure.

 User name

 Password

 OK
 Cancel

5 |Configuration

Most configurations can be completed by changing settings on the Express setup page.

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\leftrightarrow \rightarrow \circlearrowright \textcircled{a}	(i) 192.168.2.1/		□ ☆	y Z≡ i	LE
BSB ELECTRON	الات Certificates کا Network	aintenance ک	Make The Right (Connections Device Type: Eth	ernet Router
~	Express Setup	Current Val	1105		
Express Setup WLAN Sectings WLAN Sectings Section Settings Ethermet Settings Ethermet Settings Ethermet Routing Settings Ethermet Routing Settings Ethermet Routing Settings Upload Configuration File List Configuration File Delete Configuration File	Discovery OEM Device Name: Radio Startup Mode: WLAN Parameters VILAN Connection Type: SSID: URAN Security Type: Ethernet Role: Ethernet Role: Ethernet OHCP: Ethernet OHCP: Ethernet Static IP Address: Ethernet Static IP Address: Ethernet Static IP Address:	OEM-Cfg1 On ✓ Infrastructure ✓ any Disabled ✓ Router ✓ Enabled ✓ Disabled ✓ Disabled ✓ Disabled ✓ Disabled ✓ Disabled ✓ 192.168.2.10 ✓			
< >	Commit Cancel Defaults		-	_	
		B&B Electronics	1 Contact Us	I <u>Techni</u>	ical Support

A Commit and Restart is required for your changes to take effect.

- **Tip**: Use the Help features of the interface to help you configure the device. When you are done configuring the device, press 'Commit' to save the changes, then 'Restart' to restart the device. You can optionally press 'Reload' if you have further configuration changes to make.
- **Tip:** After committing changes, if your device boots up and the Post LED is Amber, and Link is Red, this can indicate that the security selected is incorrect.
- 6 Check Your Setup

If your device is connected and configured correctly, you will see the following LED status:

POWER:	Green
LINK:	Green
COMM:	No LED / Red / Flashing Red