Access Point Configuration

Access Point in Router Mode *(See Figure 1)*
(Connected wireless devices are set up on their own network)

Discovery OEM Device Name =	(Users option)
Radio Startup Mode =	On
WLAN Connection Type =	Access Point
SSID =	(Users option)
WLAN Security Type =	(Users option)
Ethernet Role =	Router
WLAN Channel: =	(Users option)
Wireless DHCP Server Enabled =	Enable
WLAN DHCP: (Client) =	(Not used)
Ethernet DHCP (for networks with DHCP servers) =	Enabled
WLAN Static IP address =	192.168.10.100
(Denotes first IP address assigned by WLAN DHCP server.)	
WLAN Subnet Mask =	255.255.255.0
WLAN Gateway Address =	192.168.10.1

Access Point in Bridge Mode *(See Figure 2)*
(Connected wireless devices are connected to corporate network)

Discovery OEM Device Name =	(Users option)
Radio Startup Mode =	On
WLAN Connection Type =	Access Point
SSID =	(Users option)
WLAN Security Type =	(Users option)
Ethernet Role =	Bridge
WLAN Channel: =	(Users option)
Wireless DHCP Server Enabled =	(Not used)
WLAN DHCP: (Client) =	(Not used)
Ethernet DHCP (for networks with DHCP servers) =	(Users option)
WLAN Static IP address =	192.168.10.100 (Not used in Bridge Mode)
WLAN Subnet Mask =	255.255.255.0 (Not used in Bridge Mode)
WLAN Gateway Address =	192.168.10.1 (Not used in Bridge Mode)

Recommended Accessories and Power Supplies

120VAC/5VDC Power Supply

http://www.bb-elec.com/APXG-Q5420/ACC

PS-SDS

5 dBi Portable (Rubber Duck) Antenna (RP-SMA)

http://www.bb-elec.com/APXG-Q5420/ACC

ACH2-AT-DP003

Fast, Easy Answers

- **First, check step 5.**

- **Then use your smart phone to access complete documentation on our web site. Simply scan the code to the right.**

http://www.bb-elec.com/APXG-Q5420

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QUICK START GUIDE

QUATECH

APXG-Q5420
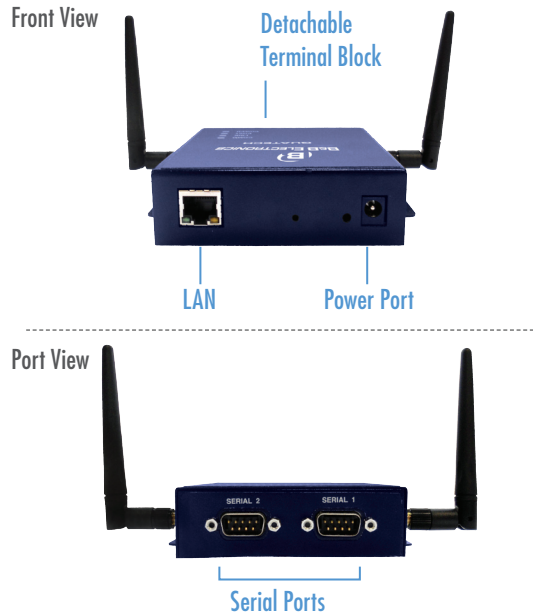**Wireless Access Point**

✔ First Things First...
Before you begin, be sure you have the following:

- ○ Wireless Access Point
- ○ CD with Airborne Management Center software and user manual
- ○ (2) Antennas

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Make The Right Connections

Fast and easy on the web: *www.bb-elec.com*

Product Overview

Front View

Detachable Terminal Block

LAN   Power Port

Port View

Serial Ports

① Setup

1. Place the AirborneAP™ CD in the CD/DVD drive of the laptop or desktop you will be using to configure the AirborneAP™ device. Follow the on-screen directions for installation.

2. Use a piece of Cat5 cable to connect the Ethernet port on the APXG to a network that supports DHCP, or directly to the Ethernet port on your laptop or desktop.

   💡 Note: When connected directly to a computer Ethernet port, disable all other installed Ethernet adapters, wireless or wired, during the configuration process.

② Power the APXG-Q5420

Apply power to the APXG-Q5420. The unit will boot and display the following LED pattern:

|	
COMM:	Red
LINK:	Off
POST:	Orange
POWER:	Blue

③ Connect to the Device

1. Run the Airborne Management Center (AMC) application. This was installed during the CD installation and a menu item will be found in the Airborne folder located in the programs directory of your system. The application will display the following dialog:
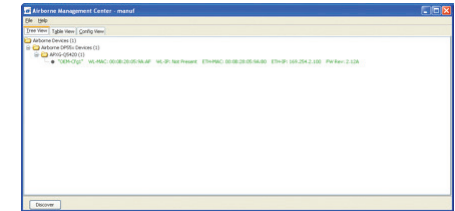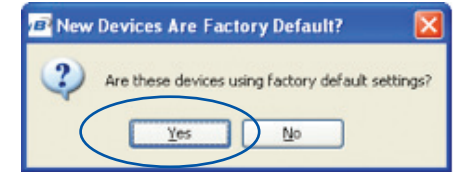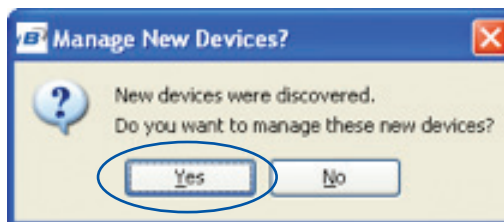

Select Group Name: "manuf" and enter Group Password: "dpac"

2. The Airborne Management Center will load and discover the attached device.
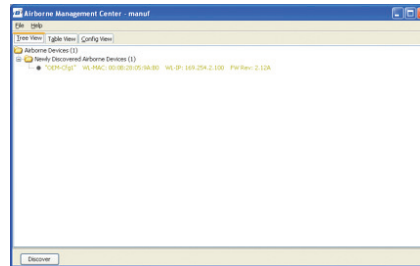
💡 Note: You may be required to wait up to 180 seconds before the APXG is discovered and displayed. This is due to the use of the AutoIP fallback function when connected directly to the APXG.

④ Manage Your Device

(Factory Default)

Right click the device's name. Under "Connectivity Tools" choose "launch Web browser for OEM-Cfg1." This will open the device's browser-based management window.
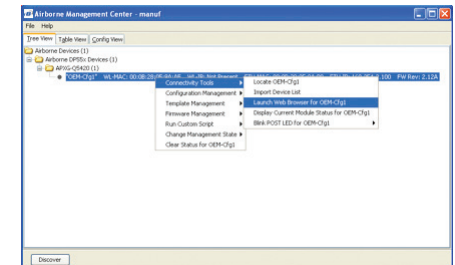
Username = "dpac"
Password = "dpac"

4 Manage Your Device, cont.

If this is not the first time you have accessed the web interface it will default to the Module Status page. If it is the first time, the web browser will default to the Express Setup page. To access the Express Setup page, select the Configuration tab at the top of the page (dark blue bar) and then select the Express Setup link in the left hand column (light blue column). You are now ready to configure your device.

⅃ Status	⅃ Configuration	⅃ Certificates	⅃ Network	⅃ Maintenance

Express Setup
WLAN Settings
WLAN Security Settings
Network Settings
Serial Port Settings
Serial Port 2 Settings
Connection Settings
Ethernet Settings
Port Forwarding Settings
IP Filtering Settings
Event Settings
Advanced Settings

Note: None of your changes will take effect until you click the "Commit" button at the bottom of the page and then reboot the device.

5 Check Your Setup

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

COMM:	Red
LINK:	Green
POST:	Green
POWER:	Blue

Settings for Router Mode and Bridge Mode configurations are listed on the other side of this document.

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Figure 1: Access Point in Router Mode

Express Setup	Current Values
Discovery OEM Device Name:	OEM-Cfg1
Radio Startup Mode:	On
WLAN Parameters	
WLAN Connection Type:	Access Point
SSID:	AirborneAP
WLAN Security Type:	WEP 128
WEP Key 1:	
Ethernet Parameters	
Ethernet Role:	Router
Access Point Parameters	
WLAN Channel:	1
Wireless DHCP Server Enabled:	Enable
IP Address Parameters	
WLAN DHCP:	Disabled
Ethernet DHCP:	Enabled
WLAN Static IP Address:	192.168.10.100
WLAN Subnet Mask:	255.255.255.0
WLAN Gateway Address:	192.168.10.1

Commit Cancel Defaults

Figure 2: Access Point in Bridge Mode

Express Setup	Current Values
Discovery OEM Device Name:	OEM-Cfg1
Radio Startup Mode:	On
WLAN Parameters	
WLAN Connection Type:	Access Point
SSID:	AirborneAP
WLAN Security Type:	WEP 128
WEP Key 1:	
Ethernet Parameters	
Ethernet Role:	Bridge
Access Point Parameters	
WLAN Channel:	1
Wireless DHCP Server Enabled:	Enable
IP Address Parameters	
WLAN DHCP:	Disabled
Ethernet DHCP:	Enabled
WLAN Static IP Address:	192.168.10.100
WLAN Subnet Mask:	255.255.255.0
WLAN Gateway Address:	192.168.10.1
Port Settings	
Web Server Port:	80
Telnet Port:	23
Internal FTP Server Listen Port:	21
Secure Shell Server (SSH) Port:	22

Commit Cancel Defaults