

MAC Address Filtering

The Wireless Access List provides a method to control access to the wireless network. When enabled the AP only allows MAC addresses that are in the list to establish a connection with the AP.

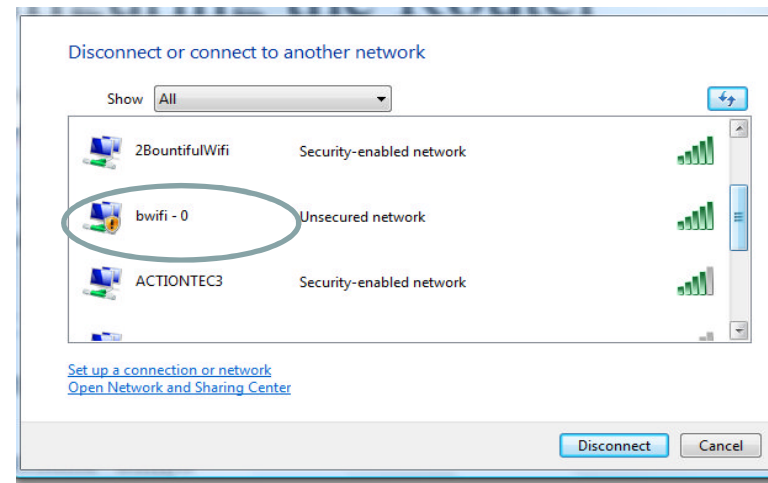
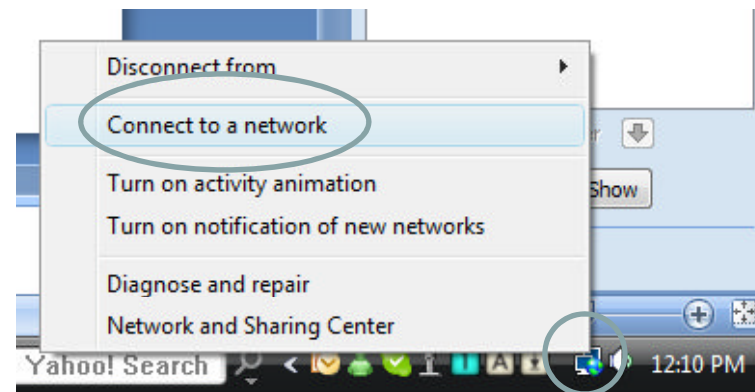
MAC Address Filtering

NOTE:

The strongest method to control access to the wireless network is WPA2 (Wi-Fi Protected Access version 2) Enterprise which incorporates IEEE 802.1X protocol and a RADIUS (Remote Authentication Dial-In User Service) Server. Each user is authenticated using a unique user name and password then AES (Advanced Encryption Standard) encryption algorithms are applied to each packet traversing the wireless network. The WPA2 standard was adopted in early 2005 client pieces and Operating Systems prior to that may not support WPA2.

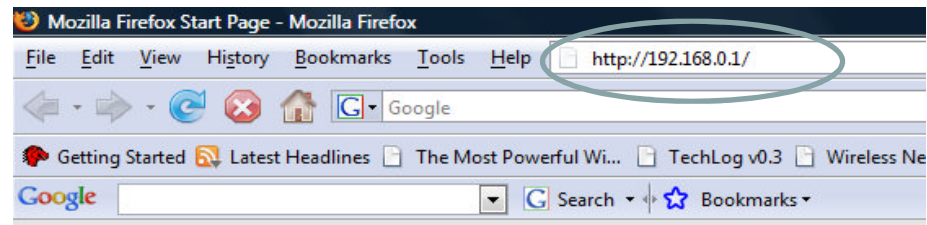
Access Web Interface

View wireless network(s) and connect to bwifi - 0
Or the SSID assigned to the
*Note The wireless network must be enabled on your computer



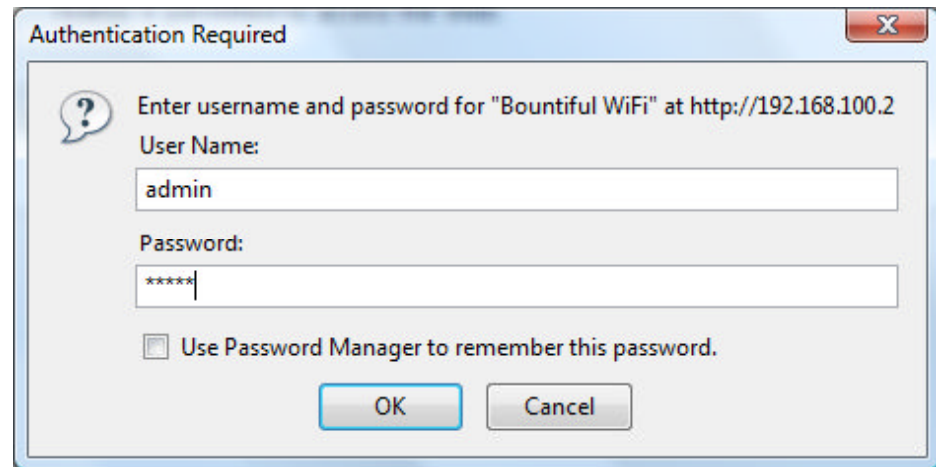
Accessing Web Interface

Open an internet browser
and type in the router IP
address
(default=192.168.0.1)
Or IP address you assigned
to your router




Accessing Web Interface

Type in user name and password
default username=admin
password =admin
Or the username and password
assigned to the router

A screenshot of a Windows-style dialog box titled "Authentication Required". The dialog box has a question mark icon in a speech bubble on the left. The main text reads "Enter username and password for 'Bountiful WiFi' at http://192.168.100.2". Below this, there are two input fields: "User Name:" with the text "admin" entered, and "Password:" with "*****" entered. At the bottom, there is a checkbox labeled "Use Password Manager to remember this password." which is currently unchecked. There are "OK" and "Cancel" buttons at the bottom right of the dialog box.

Accessing Web Interface

This is the status page of the Bountiful Web Interface



The screenshot shows the Bountiful web interface with the 'Status' tab selected. The interface includes a navigation menu with 'Quick Setup', 'General', 'Wireless', 'Applications', and 'Status'. The 'Status' section is divided into three sub-sections: 'Status', 'Internet Connection', and 'Local Connection', followed by a 'Wireless' section.

Status

Firmware Version: 4.1.3.15.403 - Sep 20 2007, 14:04:35
System Uptime: Day 0, 0:02:01
Host name:
Domain name:
Ethernet MAC Address: 00:14:AC:00:0A:33
Wireless MAC Address: 00:14:AC:01:0A:33

Internet Connection

Connection Type: DHCP
IP Address: 0.0.0.0 / Mask 0.0.0.0

Gateway: 0.0.0.0
DNS Server 1: 0.0.0.0
DNS Server 2: 0.0.0.0
DNS Server 3: 0.0.0.0

Local Connection

Local IP Address: 192.168.0.1 / Mask 255.255.255.0
DHCP Server: Enabled

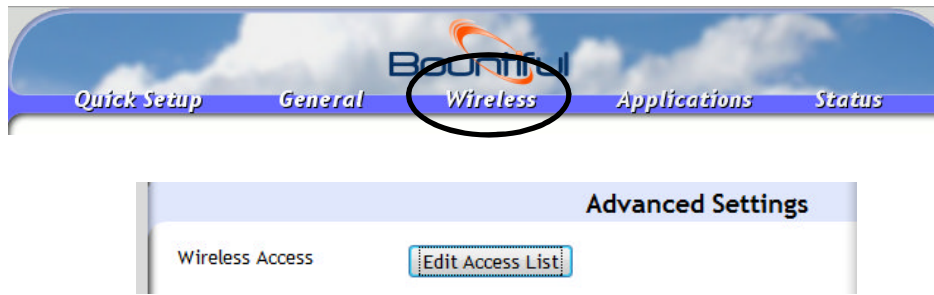
Wireless

Wireless Network: Disabled

Active SSID	Security Type	Passphrase
bwifi - 0	Open-System	

MAC Address Filtering

Click on the wireless tab and scroll down to advanced settings

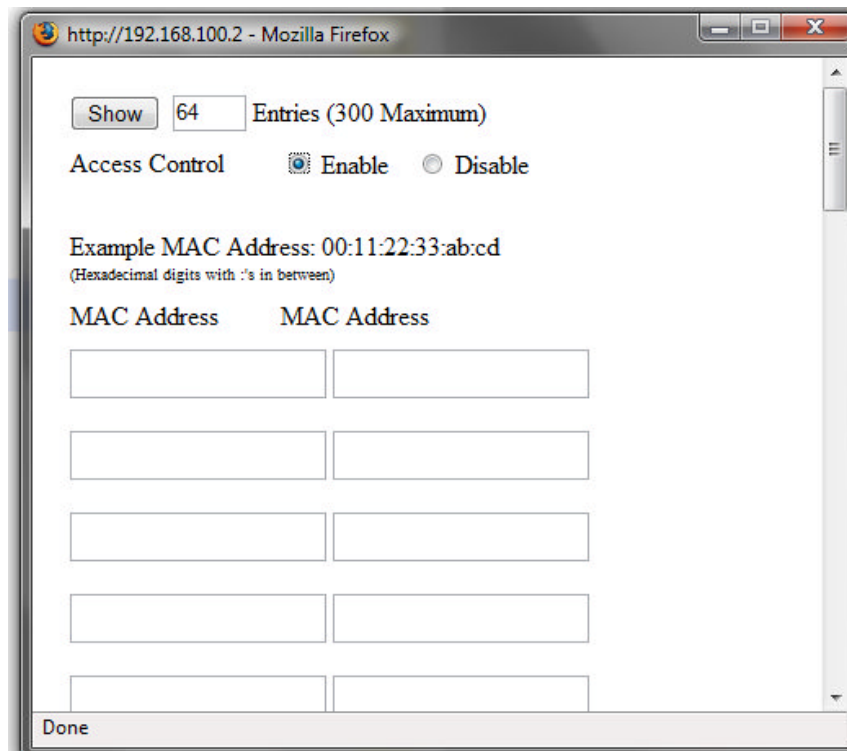


Click Edit Access List

MAC Address Filtering

Click Enable
Access Control

Type the Mac
Addresses that are
allowed to access
the wireless signal

A screenshot of a web browser window showing a configuration page for MAC address filtering. The browser title is "http://192.168.100.2 - Mozilla Firefox". The page has a "Show" button, a text input field containing "64", and the text "Entries (300 Maximum)". Below this is an "Access Control" section with two radio buttons: "Enable" (which is selected) and "Disable". An example MAC address "00:11:22:33:ab:cd" is shown with a note "(Hexadecimal digits with ':'s in between)". There are two columns of input fields labeled "MAC Address". The bottom of the window has a "Done" button.

http://192.168.100.2 - Mozilla Firefox

Show 64 Entries (300 Maximum)

Access Control Enable Disable

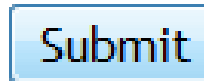
Example MAC Address: 00:11:22:33:ab:cd
(Hexadecimal digits with ':'s in between)

MAC Address	MAC Address
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

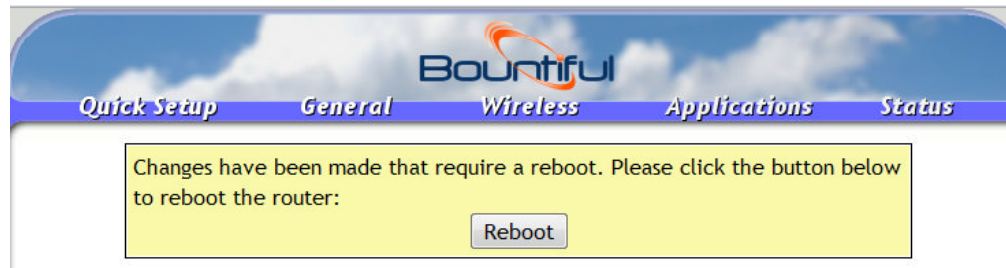
Done

VLAN Support

Scroll to the bottom of the page and click submit

A light blue rectangular button with a thin border and the word "Submit" in a dark blue serif font.

Then when prompted reboot the router



Remote Admin

The VLAN Support is now
activated on the router