VANGUARD 3000
WLAN2LAN CONFIGURATION
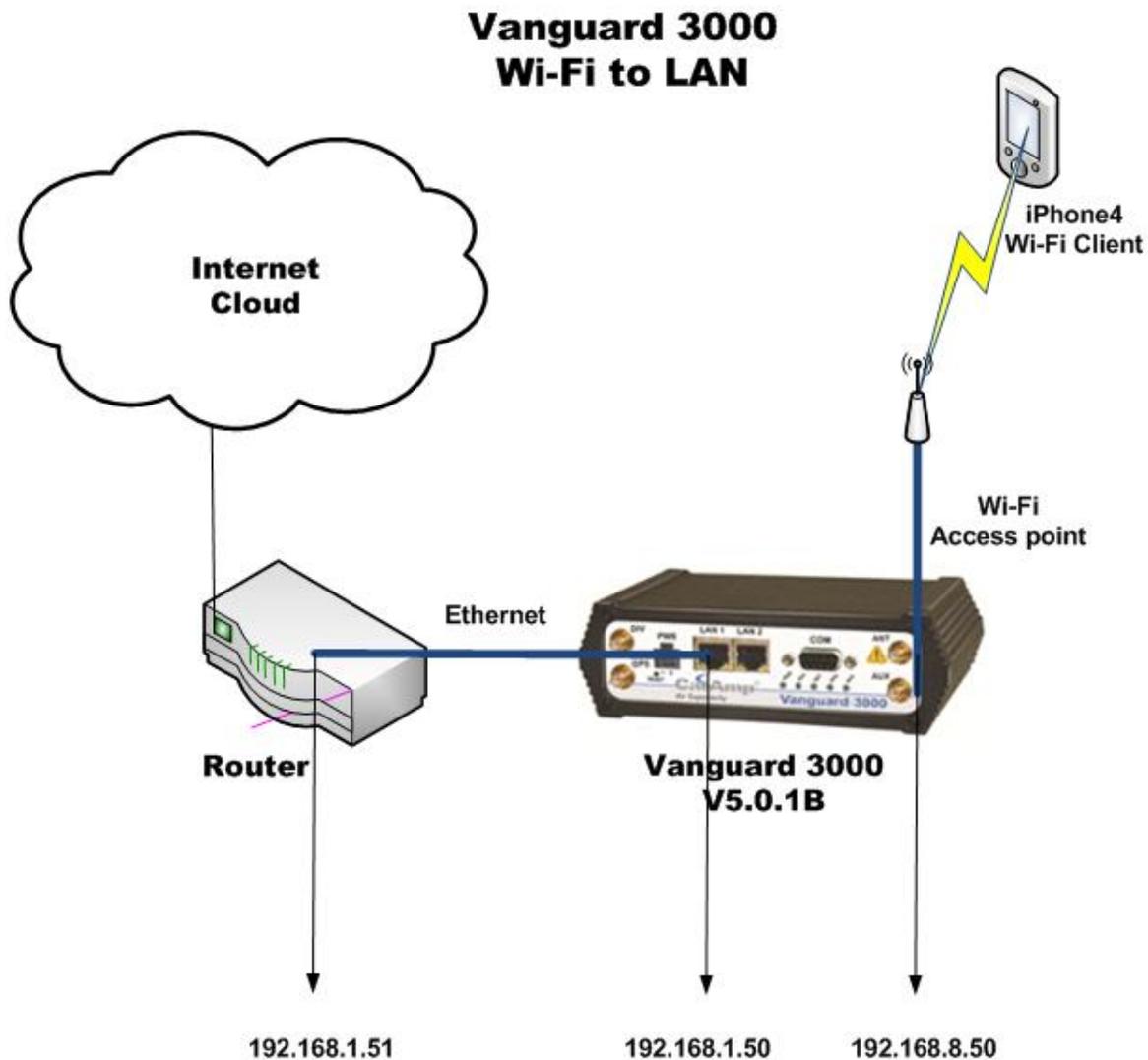
SCOPE

This is how we configure the Vanguard 3000 to have a Wi-Fi client connected to the Vanguard 3000 Wi-Fi AP and route all IP traffic through a gateway which is directly connected to the LAN port of the Vanguard 3000.

(No Cellular signal is available in this case)

SETUP UNDER TEST:

Vanguard 3000
Wi-Fi to LAN

iPhone4
Wi-Fi Client

Internet
Cloud

Wi-Fi
Access point

Ethernet

Router

Vanguard 3000
V5.0.1B

192.168.1.51   192.168.1.50   192.168.8.50

VANGUARD 3000 CONFIGURATION:

Parameters:

1) <u>Cell Connection – Carrier</u> ➔ Auto-Connect = Disabled
2) <u>LAN Settings</u> ➔ LAN Masquerade = Enabled, DNS Auto, DHCP = N/A
3) <u>WLAN Settings</u> ➔ Wireless mode = Access point
4) <u>Router – Port Forwarding</u> ➔ DMZ = Disabled, Port Forwarding = Disabled

Static route: The user will have to enter a default static route as follows to route all IP traffic through the LAN gateway…

1) Router - Static Route:

Route name ➔ route1
Destination IP Address ➔ 0.0.0.0
IP Subnet Mask ➔ 0.0.0.0
Gateway ➔ LAN
Gateway IP Address ➔ 192.168.1.51
Metric ➔ 1

Note: The Vanguard 3000 LAN port is a DHCP server and not a client. A static IP addressing configuration will be required in this case.
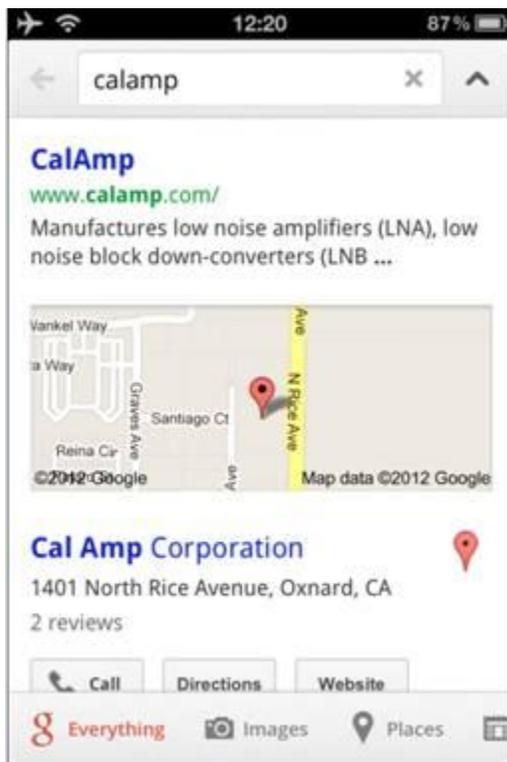
1) From the iPhone4 Wi-Fi client, connect to the Vanguard 3000 Wi-Fi AP. - PASS

2) From the iPhone4, ping www.google.com - PASS

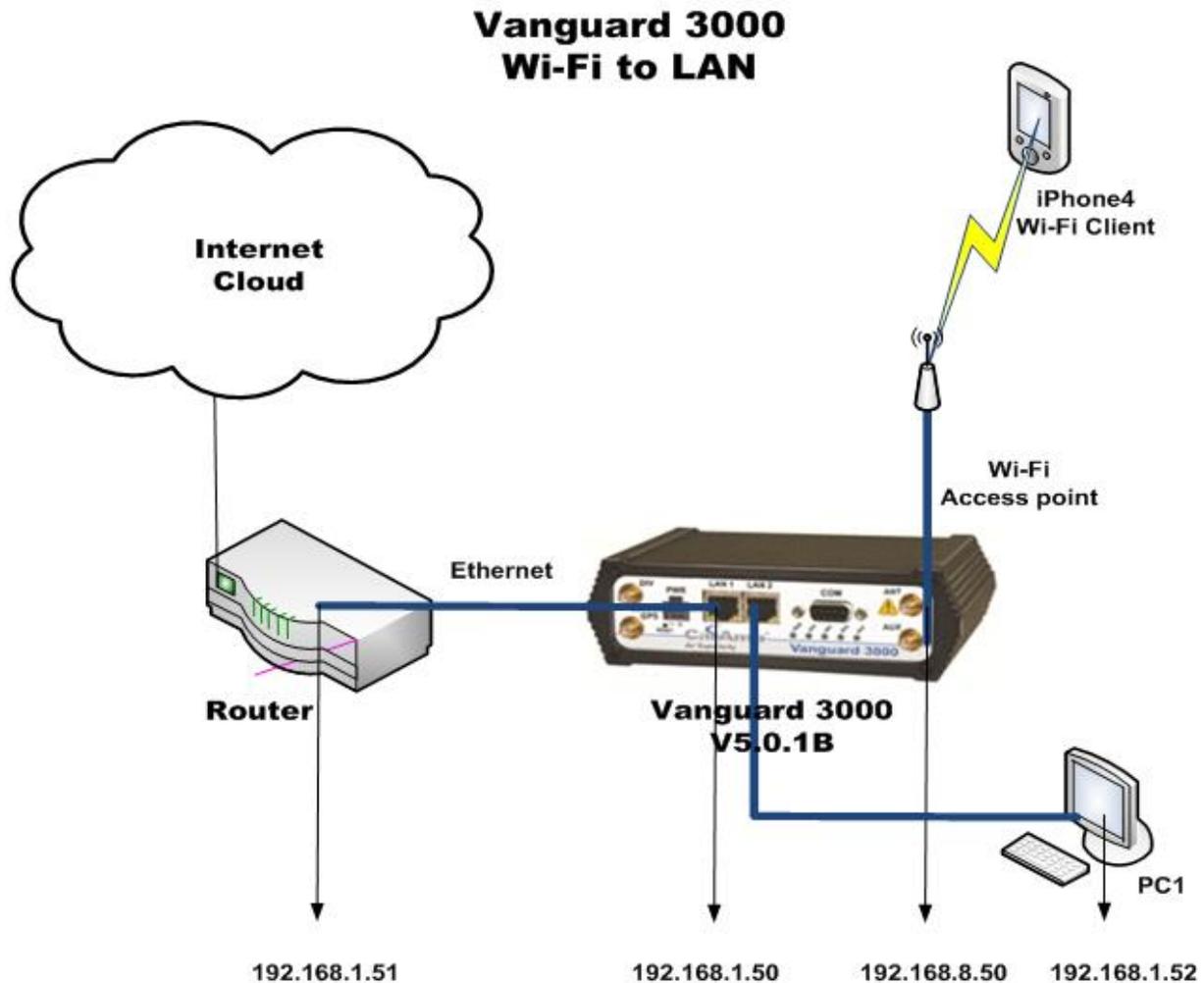| Statistics					
Transmitted	Received	Loss	Minimum	Average	Maximum
10	10	0.00 %	178.98	232.74	299.59

3) From the iPhone4, open the Google app and search for CalAmp. - PASS

We can connect a PC to the LAN2 port of the Vanguard 3000. This PC, using the configuration described below, will be able to access the internet going though the Router.

**Vanguard 3000
Wi-Fi to LAN**

Internet Cloud

iPhone4
Wi-Fi Client

Wi-Fi
Access point

Ethernet

Router

Vanguard 3000
V5.0.1B

PC1

192.168.1.51   192.168.1.50   192.168.8.50   192.168.1.52

PC1 TCP/IP CONFIGURATION

LAN IP = 192.168.1.52
Netmask = 255.255.255.0 (same network as the Vanguard 3000 LAN port)
Default gateway = 192.168.1.51 (router)
DNS = 192.168.1.51

Using this scenario, the PC1 will access the internet passing through the router just like if it was connected to a switch. The Vanguard 3000 is not routing any IP traffic coming from the PC1.

Important: Consider the Vanguard 3000 LAN1 and LAN2 port as only one network interface. (Configurable under LAN Settings)

TECHNICAL SUPPORT:

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