



BWLWAPG1000 Quick Start Guide

V1 .1

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1 – Introduction

This Quick Start Guide will help you configure the BWLWAPG1000. These basic instructions will aide in setting up the lightweight access point, and will walk through and managing BWLWAPG1000 lightweight access points.

Requirements: IMPORTANT

A computer running Windows 2000, Windows XP, Windows Vista or Mac that is already connected to the internet and a **BWRACWALL Access Controller**

In the box you will receive a BWLWAPG1000, a power supply, an Ethernet cable and a quick start guide.

2– Logging into the BWRACWALL

STEP 2.1

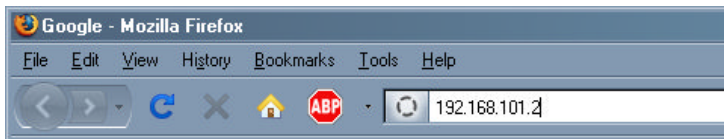
Plug an Ethernet cable from a computer into the LAN port of the BWRACWALL

STEP 2.2

Open up a browser window i.e.: Firefox, Explorer, Safari. The BWRACWALL runs a web server IP (192.168.101.2) on its LAN connection.

STEP 2.3

Type 192.168.101.2 into the address bar



STEP 2.4

Input user name and password when prompt appears.

Default user name and password

Username: admin

Password: admin

3– Navigating the web GUI

STEP 3.1

When you first access the Bountiful® Wi-Fi BWRACWALL web GUI, the system status screen will appear. Along the left-hand side of all the screens is a menu to allow you to navigate to other screens. The default Bountiful® Wi-Fi BWRACWALL configuration may be sufficient for you. If not review the following sections.



System

- General setup
- Static routes
- Firmware
- Advanced
- User manager

Interfaces

- LAN
- WAN
- OPT1
- OPT2
- OPT3
- OPT4

Firewall

- Rules
- NAT
- Traffic shaper
- Aliases

Services

- DNS forwarder
- Dynamic DNS
- DHCP server
- DHCP relay
- SNMP
- Proxy ARP
- Captive portal
- Wake on LAN
- SIP Proxy

Wireless

- SSID configuration
- AP configuration

VPII


- IPsec
- PPTP

Status

- System
- Interfaces
- Traffic graph
- Wireless APs

▶ Diagnostics



System information	
Name	south.villageonmainstreet.com
Version	1.3b13-bwifi-beta3 built on Thu Dec 11 00:00:00 CEST 2008
Platform	generic-pc
Uptime	31 days, 22:44
Last config change	Fri Jan 2 14:14:46 MST 2009
CPU usage	view graph
Memory usage	 13%
Notes	<div style="border: 1px solid black; height: 100px; width: 100%;"></div> <div style="text-align: right;"><input type="button" value="Save"/></div>

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4– Configuring the SSID

STEP 4.1

Click on SSID under Wireless section.

Wireless: SSID Configuration

SSID name	Description
VillageOnMain	Default Config
First SSID wep	
Second SSID	



To make changes click on the for edit.
 Click on to configure additional SSIDs.
 Click on the to delete existing SSIDs.



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Wireless: SSID Configuration: Edit SSID configuration

SSID name	<input type="text" value="VillageOnMain"/>
	Enter a character string for the wireless network's SSID name.
Description	<input type="text" value="Default Config"/>
	You may enter a description here for your reference (not parsed).
Encryption	<input type="text" value="none"/>
Key/Passphrase /Shared Secret	<input type="text" value="wep"/>
	here. WEP 5, 13, or 26 characters; PSK 8 to 63 characters. For wpa/wpa2 the RADIUS shared secret.
RADIUS server	<input type="text" value=""/>
	Enter the IP address of the RADIUS server.
RADIUS port	<input type="text" value=""/>
	Enter the RADIUS port number for the RADIUS server.
APs using this SSID	Default AP Config
	00:14:ac:00:17:cf South 3rd floor East Corner
	00:14:ac:00:17:d2 South 317
	00:14:ac:00:17:cb South Side 309
	00:14:ac:00:17:c8 South Side 241
	00:14:ac:00:17:cd South Side 253
	00:14:ac:00:17:c0 Leasing Office

STEP 4.2

Input an SSID in the given box. It is also suggested that you type a description but not required.

STEP 4.3

Encryption- Determine the level of security you wish your wireless network to have. Input a unique password and save the changes.

5– AP Association, Default AP Configuration, Unique AP Configuration

STEP 5.1

AP Association:

STEP 5.1.1

Plug your BWLWAPG1000(s) (lightweight Bountiful® Wi-Fi Access Point(s)) into your BWRACWALL LAN port or into the switch used with your controller.

STEP 5.1.2

Wait a few minutes until your BWLWAPG1000 associates with the controller.

STEP 5.1.3

Go to the Wireless “AP Configuration” menu to verify that your BWLWAPG1000 has successfully associated. You will see your description, heartbeat, first SSID and encryption presented on the screen. A green heartbeat signifies a successful and real time association between AP and the BRWACWALL controller.


STEP 5.2

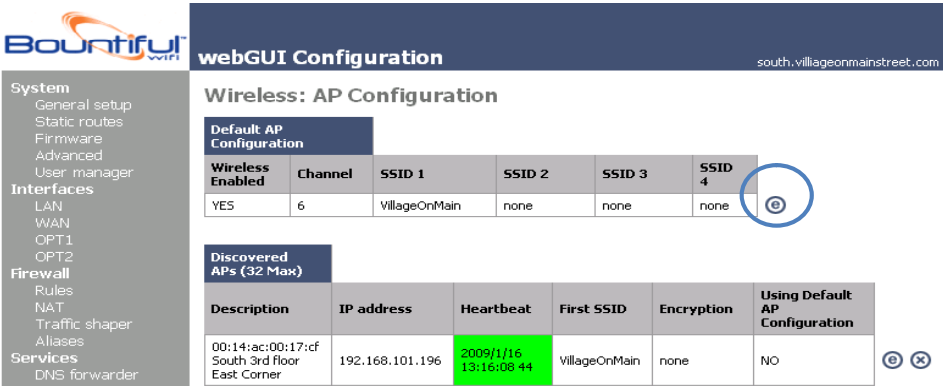
Default AP Configuration:

STEP 5.2.1

Under “AP Configuration” look for the “Default AP Configuration” tab.


STEP 5.2.2



Push the  to begin configuring the default AP.



webGUI Configuration south.villageonmainstreet.com

Wireless: AP Configuration

Default AP Configuration						
Wireless Enabled	Channel	SSID 1	SSID 2	SSID 3	SSID 4	
YES	6	VillageOnMain	none	none	none	

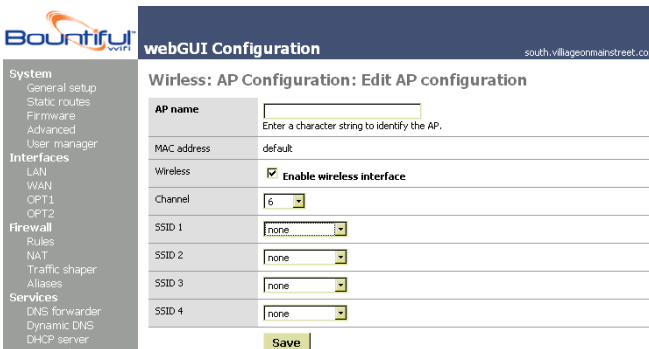
Discovered APs (32 Max)						
Description	IP address	Heartbeat	First SSID	Encryption	Using Default AP Configuration	
00:14:ac:00:17:cf South 3rd floor East Corner	192.168.101.196	2009/1/16 13:16:08 44	VillageOnMain	none	NO	 

STEP 5.2.3

Here you can configure the following AP defaults: AP name, wireless status, channel, SSID.

STEP 5.2.4

Press save when you are complete. All new APs will automatically be setup with your default configuration.



webGUI Configuration south.villageonmainstreet.com

Wireless: AP Configuration: Edit AP configuration

AP name
Enter a character string to identify the AP.

MAC address default

Wireless **Enable wireless interface**

Channel 6

SSID 1 none

SSID 2 none

SSID 3 none


SSID 4 none













Save

STEP 5.3

Unique AP Configuration:

STEP 5.3.1

To change your configurations per AP return to the main wireless AP configuration screen and press the  next to the AP you would like to uniquely configure.

Discovered APs (32 Max)						
Description	IP address	Heartbeat	First SSID	Encryption	Using Default AP Configuration	
00:14:ac:00:17:cf South 3rd floor East Corner	192.168.101.196	2009/1/16 13:16:08 44	VillageOnMain	none	NO	 
00:14:ac:00:17:d2 South 317	192.168.101.197	2009/1/16 13:15:57 55	VillageOnMain	none	NO	 
00:14:ac:00:17:cb South Side 309	192.168.101.195	2009/1/16 13:16:30 22	VillageOnMain	none	NO	 
00:14:ac:00:17:c8 South Side 241	192.168.101.199	2009/1/16 13:16:17 35	VillageOnMain	none	NO	 
00:14:ac:00:17:cd South Side 253	192.168.101.194	2009/1/16 13:16:52 0	VillageOnMain	none	NO	 
00:14:ac:00:17:c0 Leasing Office	192.168.101.198	2009/1/16 13:16:48 4	VillageOnMain	none	NO	 

STEP 5.3.2

Here you can uniquely configure per AP the: AP name, MAC address, IP address, turn off and on the default AP configuration, wireless status, WDS (bridge and repeater). Please see user's manual for more information on how to configure lightweight APs as bridge or repeater), channel and SSID. Remember, your encryption is configured by SSID under "wireless SSID configuration."

STEP 5.3.3

Press Save when you are complete configuring your AP.

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- SIP Proxy


Wireless

- SSID configuration
- AP configuration

VPN

Wireless: AP Configuration: Edit AP configuration

AP name	00:14:ac:00:17:cf South 3rd floor Ea Enter a character string to identify the AP.
MAC address	00:14:ac:00:17:cf
IP address	192.168.101.196
Default AP	<input type="checkbox"/> Use default ap configuration
Wireless	<input checked="" type="checkbox"/> Enable wireless interface
Wireless Distribution Service mode	disabled To enable WDS select repeating or bridge.
WDS Root AP	disabled Select the AP to repeat or bridge.
Channel	11
SSID 1	VillageOnMain
SSID 2	none
SSID 3	none
SSID 4	none
Save	

After you press save a red  or “push configuration” will appear. Allow a few moments for the configuration to finish. Some configurations may take longer than others. A percentage sign will appear to indicate how much of the configuration has been completed.

This completes the Quick Setup guide for the BWRACWALL controllers and lightweight Access Points. If you would like assistance on setting up additional features or would like a more in depth explanation on how to set up the controller, please go to www.Bountifulwif.com and download the BWRACWALL users manual

