Preamble:

I kept the default router settings:

My D-Link Router IP Settings is set at 192.168.0.1

La Fonera Router IP Settings is set at 192.168.1.1

When you are done you can access your La Fonera via 192.168.1.1 if it's hooked up with an Ethernet cable to your pc or you can check the log files of your D-Link router for the assigned IP address. Your Ethernet card should be set to obtain an IP automatically.

D-Link Setup

The only modification I made to my D-link 624 router was enable 64-bit WEP Encryption. All other settings remain in the default state. Why did I not enable a higher encryption? Because I live in a neighborhood, where the nearest house is 15 yards away and the network would hardly reach them. In addition, if it did reach them they could not join the network because it is secure. If they really wanted internet access that bad and cracked, the 64-bit key then it would show up in my logs and I could change it.

Xbox Setup

Set your Xbox to DHCP - Recommended

Or

Set your IP in your Xbox dashboard to a static IP address in the 192.168.1.* subnet where you can change the * to any number between 2 and 255

La Fonera Router Setup to get on the internet

- 1. Log into the La Fonera Router.
- 2. Administration Tab Factory Defaults Subtab
 - 1. Restore Factory Defaults: Yes
 - 2. Click "Save Settings" triggers reboot.
 - 3. Router's IP will now be 192.168.1.1 if it was not already. *This was a very important step.*
- 3. **Setup** Tab **Basic Setup** Subtab
 - 1. Connection Type: Automatic Configuration DHCP
 - 2. STP: Disable
 - 3. Local IP: 192.168.1.1
 - 4. Router Name: Bridge optional Settings
 - 5. Host Name: Bridge optional Settings
 - 6. Domain Name: blank
 - 7. Network Setup Router IP

- 1. Local IP Address: 192.168.1.1
- 2. Subnet Mask: 255.255.255.0
- 3. Gateway: 0.0.0.0
- 4. Local DNS: 0.0.0.0
- 8. DHCP Type: DHCP Server
- 9. DHCP Server: enabled
- 4. Click "Save Settings" triggers reboot.
- 5. **Security** Tab **Firewall** Subtab
 - 1. SPI Firewall: Disable
 - 2. Click "Save Settings"
- 6. Wireless Tab Basic Settings Subtab
 - 1. Regulatory Domain:
 - 2. TX Power: 18
 - 3. Antenna Gain: 8
 - 4. Wireless Mode: Client
 - 5. Wireless Network Mode: G-Only Match your primary router.
 - 6. Short Preamble: Disabled
 - 7. Extended Range: Disabled
 - 8. Diversity: Disabled
 - 9. TX Antenna: Primary
 - 10. RX Antenna: Primary
 - 11. AP Isolation: Disabled
 - 12. Wireless Network Name (SSID): Match your primary router. (Mine is LEO227 and yes case matters!)
 - 13. Click "Save Settings"

7. Wireless Tab — Wireless Security Subtab

- 1. Security Mode: Match your primary router; I used WEP 64 (I know others have tried 128bit WEP and it works!)
- 2. Default Transmit Key: Check box 1
- 3. Encryption: Match your primary router.
- 4. Key 1: Match your primary router. (mine was abcdef)
- 5. Click "Save Settings"
- 8. Status Tab Wireless Subtab
 - 1. Click Site Survey and join the appropriate wireless network.
 - 2. You should get a window that says: Successfully Joined the following network as a client ""
 - 3. The Access Point table should show the MAC address of your Primary Router, along with signal strength. (SSID Broadcast MUST be enabled on your primary router) At this point, it was working 100% for me.

If that worked, then:

9. **Administration** Tab — **Backup** Subtab

1. Click "Backup"

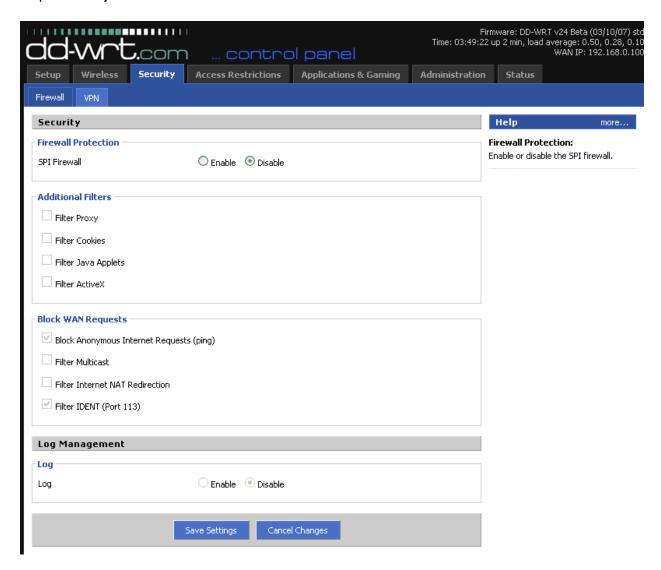
(SAVE this config before doing anything else to your router, just in case!)

Continue for Screenshots.

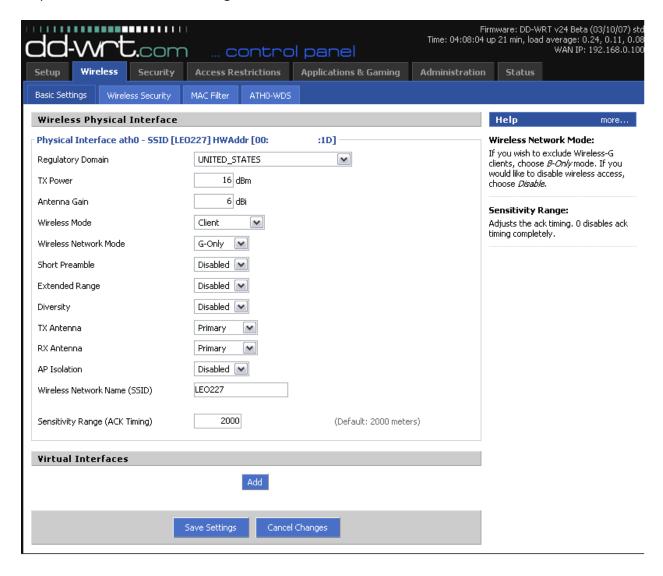
Step 3 **Setup Tab - Basic Setup S**ubtab

Setup Wireless Secu	urity Access Restrictions Applications & Gaming Adminis	stration Status
Basic Setup DDNS MAC	Address Clone Advanced Routing Networking	
Wireless Setup		Help more
Internet Connection Type -		Automatic Configuration - DHCP:
Connection Type	Automatic Configuration - DHCP	This setting is most commonly used by Cable operators.
STP	○ Enable	Host Name:
		Enter the host name provided by your
Optional Settings (required		ISP.
Router Name	BRIDGE	Domain Name: Enter the domain name provided by
Host Name	BRIDGE	your ISP.
Domain Name		Local IP Address:
MTU	Auto 💌 1500	This is the address of the router.
Network Setup		Subnet Mask:
Router IP		This is the subnet mask of the router.
Local IP Address	192. 168. 1 1	DHCP Server:
Subnet Mask	255, 255, 255, 0	Allows the router to manage your IP addresses.
Gateway	0. 0. 0	Start IP Address:
Local DNS	0, 0, 0	The address you would like to start
		with,
Network Address Server Settings (DHCP)		Maximum DHCP Users: You may limit the number of addresse:
DHCP Type	DHCP Server	your router hands out.
DHCP Server	● Enable ○ Disable	Time Settings:
Start IP Address	192.168.1. 100	Choose the time zone you are in and Summer Time (DST) period, The route
Maximum DHCP Users	50	can use local time or UTC time.
Client Lease Time	1440 minutes	
Static DNS 1	0. 0. 0. 0	
Static DNS 2	0. 0. 0. 0	
Static DNS 3	0, 0, 0	
WINS	0, 0, 0	
Use DNSMasq for DHCP	\checkmark	
Use DNSMasq for DNS	▼	
DHCP-Authoritative	▼	

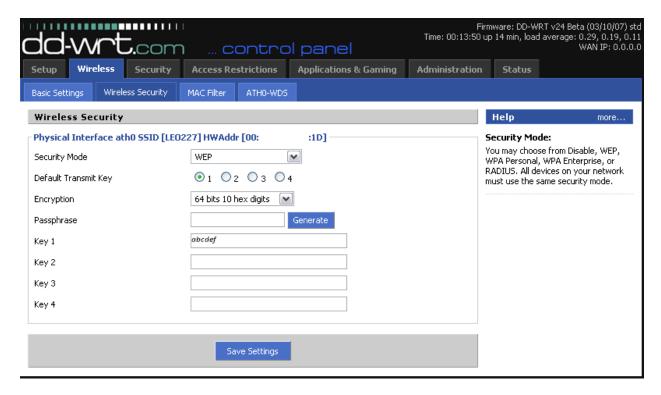
Step 5 Security Tab - Firewall Subtab



Step 6 Wireless Tab - Basic Setting Subtab Screenshot



Step 7 Wireless Tab – Wireless Security Subtab Screenshot



Step 8 Status Tab – Wireless Subtab Screenshot



