

Kolofonium is the new hack for La Fonera routers with 0.7.1 r2 firmware loaded to enable SSH. Its described in detail at [Stefan's website](#).

Pre setup: Ok recently I got another La Fonera to give to a family member. The only difference is that I wanted to experiment with the Kolofonium hack a bit and run the original la Fonera firmware for a while, mostly to show up on the map before I send it to my family member. So, the La Fonera had the original firmware of 0.7.1 and since it was connected to the internet it updated itself to 0.7.2. Now without trying to revert to the 0.7.1 firmware I will attempt to use the Kolofonium DNS hack. Since there is nothing really documented as to how to do this hack I will provide some more in depth information to how I made it work.

What I used was the following:

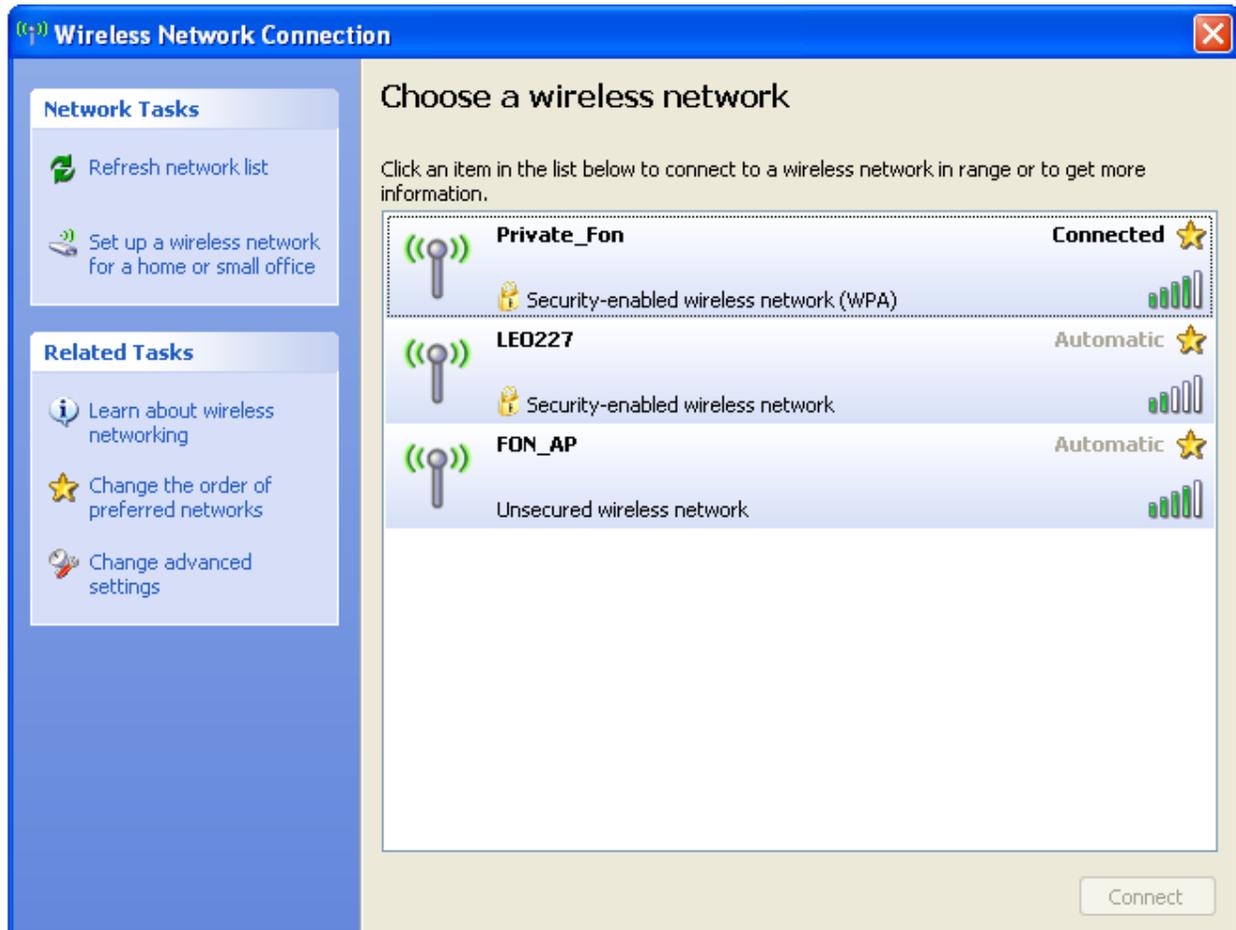
Dlink 624 Router

La Fonera

PC

Connect your La Fonera to your existing router and have the DHCP automatically give it an IP address.

From my pc upstairs I viewed the wireless networks and connected to the **Private_Fon Network**



Once connected wirelessly, I was able to connect to both the 192.168.10.1 & 192.168.0.102 Address. This is what I saw at the status page.



Router Status

Status

Public WiFi

Private WiFi

Password

Language

Advanced

Configuration summary

Firmware Version:	0.7.1 r2
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Internet connection

Connection type:	DHCP
IP Address:	192.168.0.102
Gateway address:	192.168.0.1
DNS Server:	213.134.45.129

WiFi Settings

Public SSID:	FON_AP
Private SSID:	Private_Fon
Encryption:	wpa
IP Address:	192.168.10.1

Copy down your Internet Connection settings and go to the Advanced Tab. You will be asked to provide the username and password, which by default is username: root password: admin.



Internet Connection Settings

Here you can configure the way your Fonera... for you, check with your Internet provider (

Status

Public WiFi

Private WiFi

Password

Language

Advanced

Mode

DHCP
 DHCP
 Static IP
 PPPoE
 PPTP

submit

Internet Connection

- Network Settings
- Wireless Settings
- Port Forwarding
- Firmware Upgrade

Change the **Mode** from **DHCP** to **Static IP** and enter in your following information you copied from Status page under Internet Connection. The only exception is that now you will enter the Kolofonium DNS server, which is **88.198.165.155**. Mine looked like the following.

Internet Connection Settings

Here you can configure the way your Fonera connects to the Internet. Currently there are 4 protocols available: DHCP, static IP configuration, PPPoE and PPTP. For most people DHCP should work; though, if it doesn't for you, check with your Internet provider (ISP) what protocol you must use or look at the installation reference manual or the troubleshooting manual from FON.

Mode:

Static IP settings

IP Address:

Network Mask:

Gateway:

DNS Server:

After about 3 minutes I went back to the status page to check my settings and verify the data.

Router Status

Configuration summary

Firmware Version: 0.7.1 r2

Internet connection

Connection type: Static

IP Address: 192.168.0.102

Gateway address: 192.168.0.1

DNS Server: 88.198.165.155

WiFi Settings

Public SSID: FON_AP

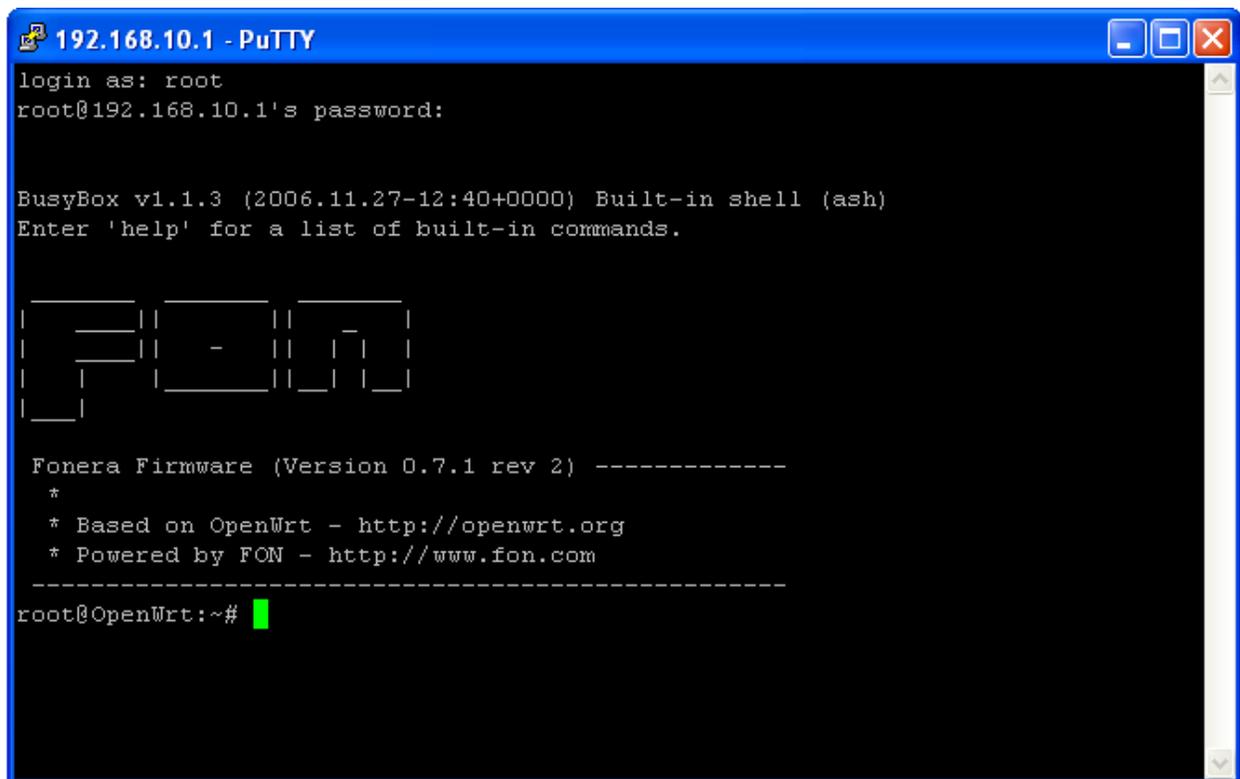
Private SSID: Private_Fon

Encryption: wpa

IP Address: 192.168.10.1

Now my status page has the New DNS server and the exact same information as before.

I then open up putty and make my first SSH attempt and like magic it works. Make note that the Firmware Version is 0.7.1 rev 2. Therefore, you know it works. Now I proceed like before to update the firmware just as I have before.



```
192.168.10.1 - PuTTY
login as: root
root@192.168.10.1's password:

BusyBox v1.1.3 (2006.11.27-12:40+0000) Built-in shell (ash)
Enter 'help' for a list of built-in commands.

FONERA

Fonera Firmware (Version 0.7.1 rev 2) -----
*
* Based on OpenWrt - http://openwrt.org
* Powered by FON - http://www.fon.com
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root@OpenWrt:~# █
```