

LinkRouter Configuration Note

Linksys Wireless G WRT54G

Version 1.0

Scope

This document describes how to configure the Linksys Wireless G WRT54G router to work with LucidLink™ Wireless Security Software, version 1.7. The document:

- Focuses on the manual configuration of the router.
- **Does not** address LucidLink software installation or configuration.
- Assumes the LucidLink server is installed and configured with an IP address and shared secret.

Requirements

This document will work with routers that meet the following requirements:

Product Model Number	WRT54G
Firmware Version	V2.02.2
NICs	D-Link AirPlus DWL-G650 Wireless Cardbus Adapter (rev C) Intel(R) PRO/Wireless LAN 2100 3A Mini PCI Adapter Dell Wireless WLAN 1350 Mini-PCI Card



The exact configuration of the router depends on the combination of router, wireless adapter card, and client operating system used. For a list of compatible and supported hardware combinations, go to: www.lucidlink.com/Tech_Support/Compatibility.asp

Connecting to the Router

- 1 Connect the Router to the same network hub as the workstation you will use to configure it. This workstation does not necessarily have to be the LucidLink server host computer.
 - o Connect the Ethernet Cable to the **Ethernet** connector port.
 - Connect the power pack output to the power port.
 - o Reset to factory default with reset button in back.
- 3 Open an Internet browser and in the address field enter the default IP address 192.168.1.1.
- At the login box, enter User Name and Password.
 Linksys factory defaults are blank for User Name and admin for Password.

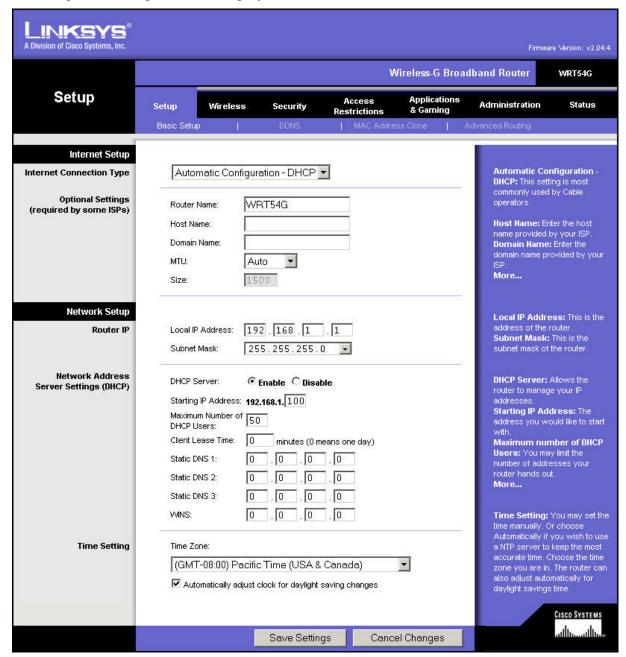


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5 Click OK

The Setup Basic Setup screen is displayed:



Configuring the Router

Once you've connected to the router, follow these steps to configure it to work with LucidLink software.

IP Addresses

- 1 In **Internet Connection Type**, choose from list based on information from your ISP.
- 2 In the *Router IP* section, enter:
 - Local IP Address—IP address for Router
 - Subnet Mask Portion of your internal wired LAN shared by the router and the LucidLink Server computer.
- 3 In Network Address Server Settings (DHCP) section, enter:
 - o **DHCP**—Enable
 - o Starting IP Address 100.
 - o Number of DHCP Users 50
- 4 In Time Settings section:
 - Choose the appropriate **Time Zone** for the router.
 - o Select *Daylight Saving* settings if appropriate.

Leave defaults for rest of page.

- 5 Click Save Settings.
- 6 Click Continue

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SSID and Channel

The SSID (Network Name) is used by the wireless clients to identify your network. The SSID appears to users when they connect to the network. You can use the same or different SSIDs for each router. The default SSID should be changed, as this is an un-secure SSID and can be a potential security threat to your network.

1 Click the **Wireless** tab.

The Wireless Settings screen is displayed.



- 2 In Wireless Network Mode choose Mixed.
- 3 In Wireless Network Name (SSID) enter the SSID for this router.
- 4 In Wireless Channel leave default.
- 5 In Wireless SSID Broadcast select Enable.
- 6 Click Save Settings.
- 7 Click **Continue**.

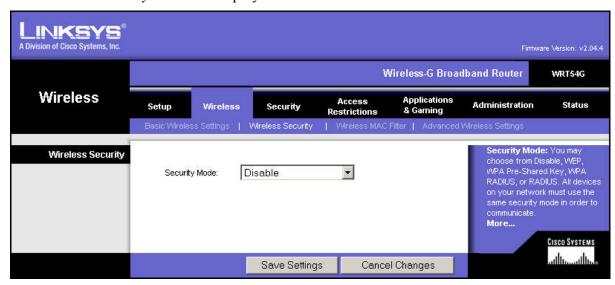
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Security

Routers can be configured for *Maximum Security* (WPA-RADIUS with TKIP), or *Maximum Compatibility* (68/128-bit dynamic WEP key encryption), depending on the capabilities of the client wireless adapter cards. To learn your hardware capabilities, see the Compatibility Chart at.

www.lucidlink.com/Tech Support/Compatibility.asp

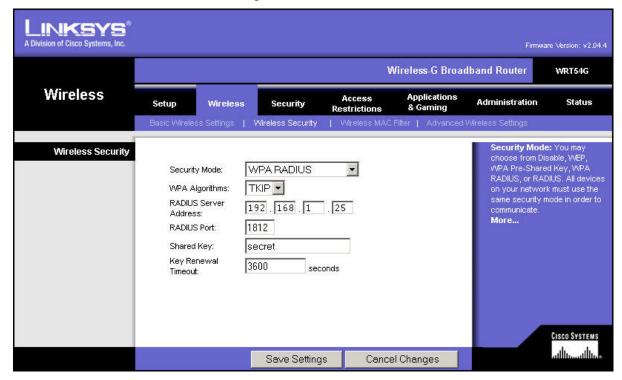
1 Click **Wireless Security** from the navigation bar on the Wireless tab. The *Wireless Security* screen is displayed.



- 2 For **Security Mode**, select **WPA-RADIUS** from dropdown list.
- 3 Click Save Settings.

4 Click Continue.

The screen will refresh to allow configuration of the RADIUS Server.



- 5 Enter the following:
 - o Security Mode WPA-Radius
 - o WPA Algorithm -TKIP
 - o RADIUS Server Address LucidLink server IP address.
 - o RADIUS Port-1812
 - Secret Key
 — Shared Secret configured on LucidLink server Settings dialog. A Shared
 Secret is auto-generated when you install the server. You can copy this value from the
 Management Console Settings dialog to the router's interface page.
 - Left Key Renewal Timeout

 leave default.
- 6 Click Save Settings.
- 7 Click Continue.

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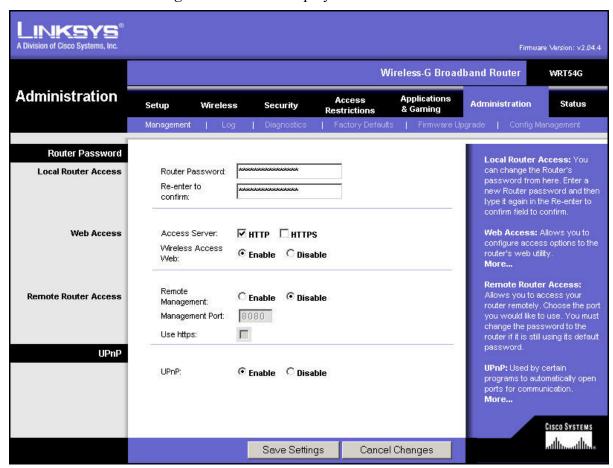
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Change Administrator Password

To secure your router, we recommend that you change the default administrator password

1 Click the **Administration** tab.

The Administration Management screen is displayed.



- 2 Enter the new Local Router Password and re-enter it to confirm it.
- 3 Click Save Settings.
- 4 Click Continue.

Rechecking Connection

- 1 Reopen your browser and enter the router's **IP address** in the Address field.
- 2 At the Login, enter the new router **User Name** and **Password**. You should once again see the *Home* screen.
- 2 You may optionally bookmark this URL or create a shortcut to it from your desktop for future access to the Linksys Wireless G WRT54G configuration screens.

Installing Router

Connect the router to the same network hub or switch as the LucidLink server computer, if it is not already there.

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