Get to Know the RV042 and RV042G VPN Routers

Objective

The RV042 is a dual WAN VPN router of the RV0XX series. The RV042G is the improved version of the RV042 which supports higher speeds and IPSec VPN throughput. Both provide a reliable, high performance, secured connectivity. They can also provide an alternative Internet connection which ensures reliable and non stop connectivity even if the first Internet connection fails. A second Internet connection can also increase the bandwidth and split high load traffic.

This article explains the features and specifications of the RV042 and RV042G VPN routers.

Applicable Devices

- RV042
- RV042G

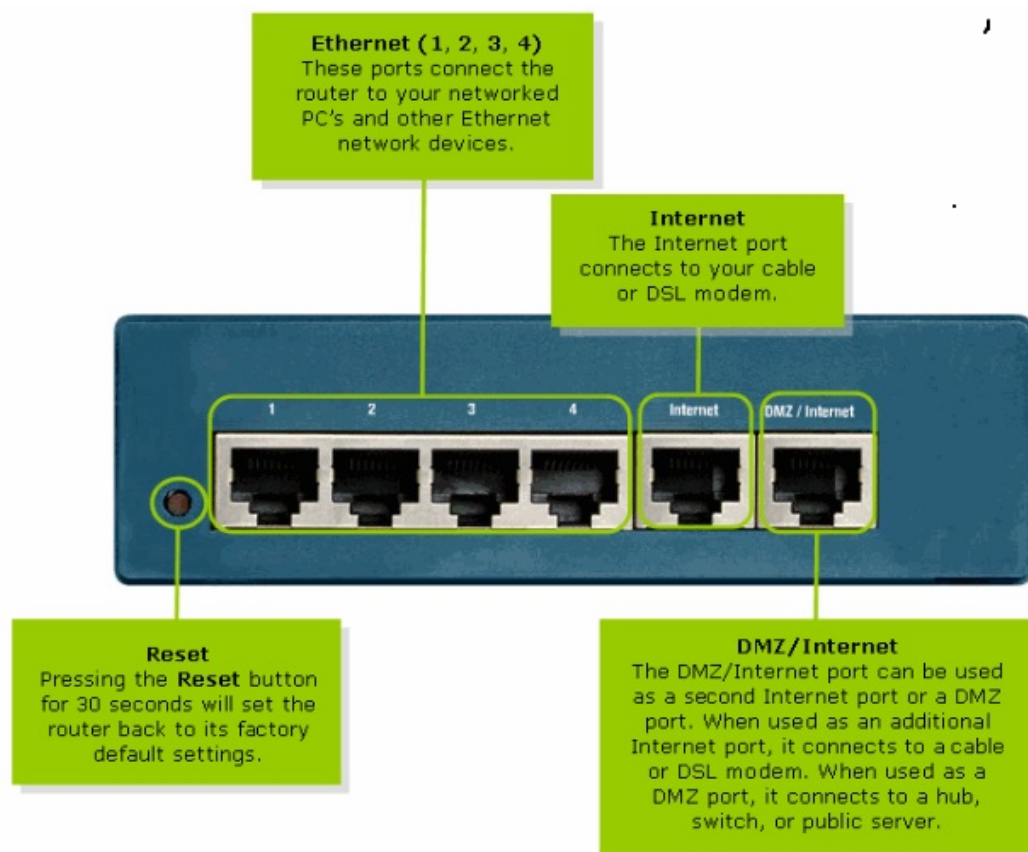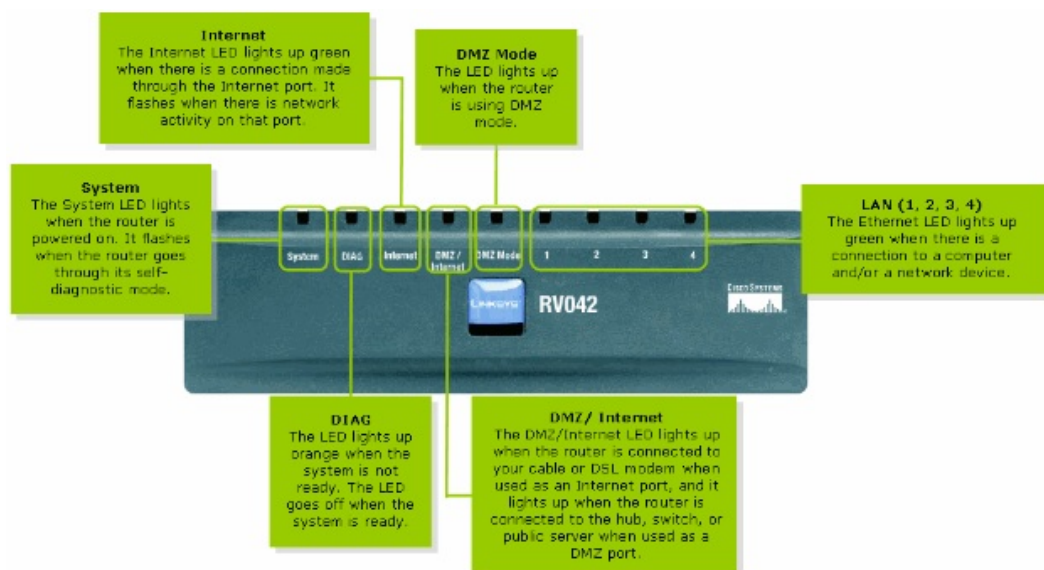## Software Version

- v4.2.2.08

RV042 Features

- Supports two fast Ethernet WAN ports.

- Supports four fast Ethernet LAN ports.

- Uses a 12V, 1A power adapter.

- Supports both SNMPv1 and SNMP v2c.

- Supports 5 PPTP VPN connections.

- Supports 50 IPSec VPN connections.

- Supports 12,000 concurrent connections.

- IPSec VPN passthrough is 59Mbps.

- Has a four-port 10/100 Switch.

- A maximum of 50 access rules can be configured.

- Supports a maximum NAT throughput of 100 Mbps.

- Supports a maximum of 30 port triggering rules.

- Supports a maximum of 30 port forwarding rules.

- Uses DES, 3DES, AES-128, AES-192 and AES-256 encryption method.

- Uses MD5 and SHA1 authentication method.

- Supports gateway-to-gateway and client-to-gateway IPSec tunnels.

- Smart link backup and load balance is possible.

- Supports One-to-One and Many-to-One NAT.

- Supports PPTP, L2TP and IPSec VPN passthrough.

- Setup wizard that simplifies initial setup.

RV042G Features

- Supports two GbE WAN ports.

- Supports four GbE LAN ports.

- Uses a 12V, 1A power adapter.

- Supports both SNMPv1 and SNMP v2c.

- Supports 5 PPTP VPN connections.

- Supports 50 IPSec VPN connections.

- Supports 12,000 concurrent connections.

- IPSec VPN passthrough is 75Mbps.

- Has a four-port 10/100 Switch.

- A maximum of 50 access rules can be configured.

- Supports a maximum NAT throughput of 800 Mbps.

- Supports a maximum of 30 port triggering rules.

- Supports a maximum of 30 port forwarding rules.

- Uses DES, 3DES, AES-128, AES-192 and AES-256 encryption method.

- Uses MD5 and SHA1 authentication method.

- Supports gateway-to-gateway and client-to-gateway IPSec tunnels.

- Smart link backup and load balance is possible.

- Supports One-to-One and Many-to-One NAT.

- Supports PPTP, L2TP and IPSec VPN passthrough.

- Setup wizard that simplifies the setup.

Light Features and Identification of Ports on the RV042/RV042G

Internet
The Internet LED lights up green when there is a connection made through the Internet port. It flashes when there is network activity on that port.

DMZ Mode
The LED lights up when the router is using DMZ mode.

System
The System LED lights when the router is powered on. It flashes when the router goes through its self-diagnostic mode.

LAN (1, 2, 3, 4)
The Ethernet LED lights up green when there is a connection to a computer and/or a network device.

DIAG
The LED lights up orange when the system is not ready. The LED goes off when the system is ready.

DMZ/ Internet
The DMZ/Internet LED lights up when the router is connected to your cable or DSL modem when used as an Internet port, and it lights up when the router is connected to the hub, switch, or public server when used as a DMZ port.

Ethernet (1, 2, 3, 4)
These ports connect the router to your networked PC's and other Ethernet network devices.

Internet
The Internet port connects to your cable or DSL modem.

Reset
Pressing the **Reset** button for 30 seconds will set the router back to its factory default settings.

DMZ/Internet
The DMZ/Internet port can be used as a second Internet port or a DMZ port. When used as an additional Internet port, it connects to a cable or DSL modem. When used as a DMZ port, it connects to a hub, switch, or public server.

Power
The Power port is where you will connect the power adapter.

Security slot
The security slot is where you will connect the security lock.