



# WGU624

## Double 108 Mbps Wireless Firewall Router

- *Help is there when you need it! NETGEAR provides 24x7 technical support\* in English, with selected local language support during office hours.*

### Take the Fast Lane with Double 108 Mbps!

The NETGEAR Double 108 Mbps Wireless Firewall Router (WGU624) delivers two simultaneous 108 Mbps networks to ensure the highest speeds and the best quality of service. In addition to the 108 Mbps 802.11 b/g network, users can access a "Fast Lane" – the 802.11a network. The "Fast lane" is ideal for the most demanding of applications including high quality video streaming and serious home office use. With new XR technology, the Double 108 delivers unparalleled range – over 400 feet indoors\*!

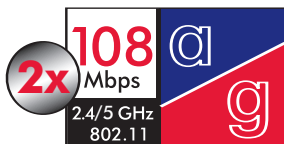
\*actual results will vary depending upon operating environment

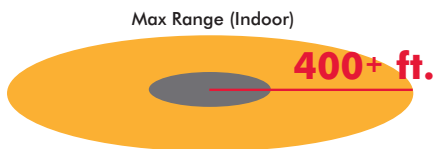
**Two Networks in One** ● The NETGEAR Double 108 Mbps Wireless Firewall Router uses Super A+G technology to provide two parallel 108 Mbps networks at the same time. The first network – the 802.11g network is based on the most commonly used standard and is fully backward compatible with 802.11b devices. It's lightning fast 108 Mbps is ideal for web surfing, email, and downloads. The second network – the 802.11a "Fast Lane" delivers a speed and quality that is required by the most demanding applications such as video streaming – where even the slightest hiccup produces an unpleasant user experience. The Double 108 is tested and validated to work with Microsoft Media Center Extenders and Xbox game consoles. The "Fast Lane" is also great for home office users – who require the highest quality of service available.

**Extra Range** ● Say goodbye to "dead spots" in your home! The NETGEAR Double 108 Mbps Wireless Firewall Router (WGU624) is the first product to include Extended Range (XR) Technology. XR provides three times the range of standard 802.11g by maintaining connectivity when signals are made faint when passing through dense walls, floors, or other barriers. When used with the Double 108 Mbps Wireless PC Card (WG511U), users can enjoy range of over 400 feet! XR requires no additional configuration by end-users and is fully interoperable with standard 802.11 technologies.

**Avoid the Crowd** ● With Double 108, users can separate themselves from the crowded 2.4 GHz frequency. Since 2.4 GHz has only three non-overlapping channels, many users are actually sharing this frequency with their neighbors wireless networks. Further, cordless phones and microwave ovens also competing for space on the 2.4 GHz frequency. But with Double 108, users can access the 5 GHz 802.11a "Fast Lane" and avoid all of the crowds and congestion.

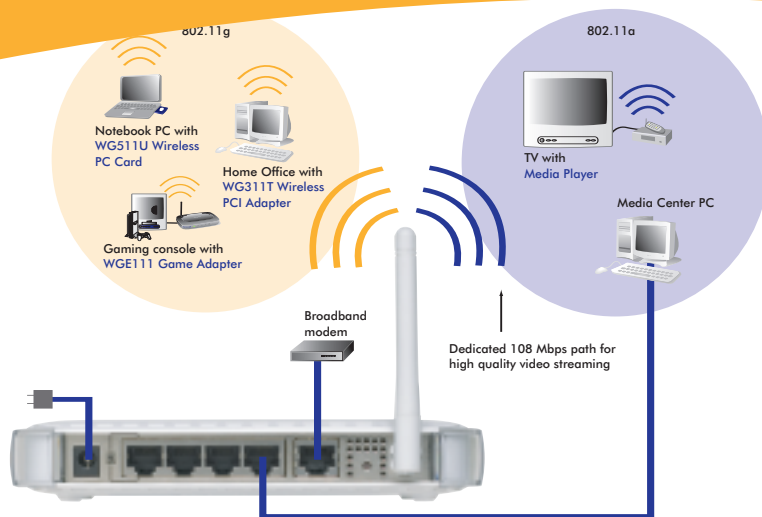
**Security Made Simple** ● The Double 108 takes the guesswork out of securing your home network. WPA-PSK (Wi-Fi Protected Access Pre-Shared Key) is already activated to protect your network from unauthorized usage. And for online gamers, a dedicated hardware DMZ port is provided for secure gaming.





WGUG624 with new XR Technology

\*Actual results will vary depending upon operating environment



**Product Specifications**

- **Standards:**
  - IEEE 802.11b, IEEE 802.11g, IEEE 802.11a
- **Dimensions:**
  - 6.9 x 1.1 x 4.7 in (175.3 x 27.94 x 119.4 mm)
- **Weight:**
  - .7 lbs (.3 kg)
- **Warranty:**
  - NETGEAR 1-year warranty(see information enclosed)

- Multiple VPN Tunnels (Pass-Through, IPSec, and multiple L2TP & PPTP)
- Exposed Host (Hardware DMZ port) for secure gaming
- MAC address authentication
- **Privacy Control & Management:**
  - "Trusted user" controls
  - Time-based usage controls
  - Web site logging
  - Remote management
  - URL content filtering

**Key Features**

- **Ease of Use:**
  - **Smart Wizard:** Automatic detection & connection to Internet Service Provider
  - Allows sharing of an Internet connection
  - Interactive installation demonstration & tutorial
  - **Assisted upgrade:** automatically finds & installs software upgrades
  - Fully compatible with 802.11a, 802.11b, and 802.11g devices
- **Speed and Range:**
  - Two networks, each with up to 108 Mbps, 10x the speed of 802.11b
  - XR Technology for whole home/small office coverage for extended range
  - Five10/100 (1 Internet, & 4 LAN) ports equipped with auto-sensing technology
  - Utilizes 2.4 GHz and 5.0 GHz frequencies for 15 non-overlapping channels Automatic MDI/MDIX
  - No special cable required
- **Performance Boosting Features (all automatic):**
  - Dynamic packet bursting for priority traffic
  - Fast frames for faster transmission
  - Hardware compression for large file transfers
  - Dynamic 108 for concurrent interoperability of 11a, 11b, 11g and 108-mode clients
- **Security:**
  - **Double Firewall:**
    - Network Address Translation (NAT) to hide PCs & files from outside users
    - Stateful Packet Inspection (SPI) firewall to deny outside requests for personal information
  - Denial of Service (DoS) attack prevention
  - Intrusion Detection and Prevention (IDS)
  - Wired Equivalent Privacy (WEP) 64-bit, 128-bit encryption
  - Wi-Fi Protected Access (WPA, Pre-Shared Key)
  - Wireless Access Control to identify authorized wireless network devices

**System Requirements**

- Broadband (cable, DSL) Internet service and modem with Ethernet connection
- 2.4 GHz 802.11 b/g or dual band 2.4/ 5 GHz 802.11 a/b/g wireless adapter Alternatively, an Ethernet adapter and cable for each computer
- Windows® 98, Me, NT, 2000, XP, Mac® OS, NetWare®, UNIX®, or Linux®
- Internet Explorer 5.0 or Netscape® 4.7 or higher
- Recommended: WG511U Double 108 Mbps Wireless PC Card

**Package Contents**

- Double 108 Mbps Wireless Firewall Router (WGUG624)
- 5V, 2.8 A power adapter, localized to country of sale
- Vertical stand
- Ethernet cable
- Setup Guide
- Resource CD
- Warranty/Support information card

**NETGEAR Related Products**

- WG511U Double 108 Mbps PC Card
- WG111 54 Mbps USB 2.0 Adapter
- WG311T 108 Mbps PCI Adapter
- MP101 Digital Music Player
- WGE111 54 Mbps Game Adapter



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\* Free basic installation support provided for 90 days from date of purchase. Advanced product features and configurations are not included in free basic installation support; optional premium support available.

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