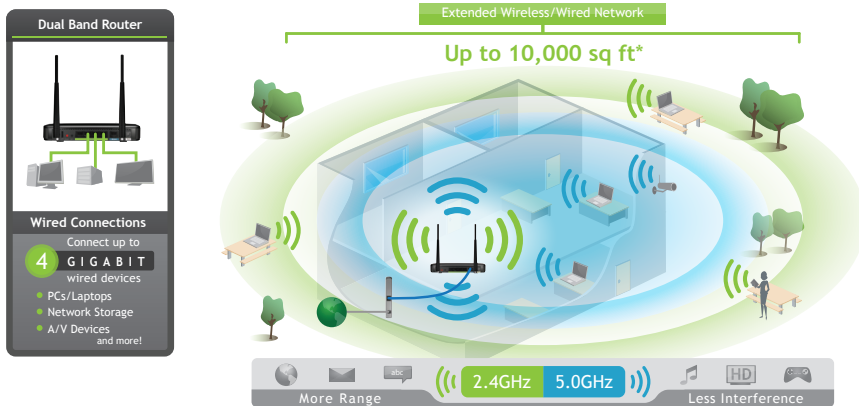# High Power Wireless-N 600mW Gigabit Dual Band Router

R20000G

The Amped Wireless High Power Wireless-N 600mW Gigabit Dual Band Router provides long range, high performance wireless Internet access over extreme distances. The R20000G is equipped with advanced dual band 600mW wireless amplifiers and 5dBi detachable high gain antennas to provide up to 10,000 sq ft of high performance Wi-Fi coverage. The High Power Router features a power-ful 620MHz internal processor, five gigabit network-ing ports for blazing fast wired connections and simultaneous dual band Wi-Fi technology for an interference free Wi-Fi experience. The High Power Router is great connecting PCs, HD TVs, iPads, smartphones and more in large homes (and back-yards), and multi-floor offices or warehouses.

How it Works:

The High Power Wireless-N 600mW Gigabit Dual Band Router shares a broadband Internet connection with wired computers and delivers extreme wireless coverage up to 10,000 sq ft.*

Dual Band Router

Extended Wireless/Wired Network

Up to 10,000 sq ft*

Wired Connections

Connect up to
4 **GIGABIT**
wired devices
- PCs/Laptops
- Network Storage
- A/V Devices
  and more!

More Range | 2.4GHz | 5.0GHz | Less Interference

Advanced Amped Technology:

Dual High Gain 5dBi Antennas

Dual High Power 600mW 2.4GHz Amplifiers

Dual High Power 5.0GHz Amplifiers

Dual High Power Wireless Reception Amplifiers

High Power Dual Amplifiers and Antennas boost Wi-Fi performance

Wi-Fi Output Power
(Amplifiers)

600mW
R20000G

50mW
Standard Wi-Fi Devices

Wi-Fi Antenna Power
(Antennas)

5dBi
R20000G

<1dBi
Standard Wi-Fi Devices

mW = Milliwatt (Output Power Measurement)
dBi = Decibels (Antenna Gain Measurement)

PREMIUM-DB
DUAL BAND WIRELESS COVERAGE

10,000 SQ FT*

GREAT FOR

LARGE HOMES

OFFICES

Key Features

Extreme Dual Band Range
Provide interference free dual band wireless Internet coverage over large areas (up to 10,000 sq ft)

Ultra Powerful
High Power 2.4GHz / 5.0GHz Amplifiers & High Gain 5dBi Antennas penetrate walls and eliminate dead spots

Guest Networks
Create wireless networks for guests with restricted access to the Internet

Wi-Fi Coverage and Security
Adjust the amount of Wi-Fi coverage available Supports WPS One-Touch Setup, WPA, WPA2

Parental / Security Features
Block websites, set schedules for wireless access and grant access to specific users

USB Storage Support
Share local files or access files remotely by adding a USB storage device*

Gigabit Networking
Connect additional wired devices at blazing gigabit (1000M) speeds

Powerful Processor
Faster wired and wireless networking

* USB Storage device not included.

Share your USB Storage

Share files from your USB flash drive / hard drive locally or remotely (FTP).

Product Feature Set & Performance Comparison:

SPEED PERFORMANCE	Premium Series Smart Router R10000	Premium Series Gigabit Router R10000G	Premium-DB Series Dual Band Router R20000G
300Mbps Wireless-N Data Speeds	●	●	
300+300Mbps N600 Dual Band Speeds			●
OUTPUT POWER/ COVERAGE			
600mW/10,000 sq ft	●	●	●
Dual Band Amplifiers			●
ANTENNAS			
External - High Gain	●	●	●
Detachable Antennas	●	●	●
Dual Band			●
SMART FEATURES			
Adjustable Wi-Fi Coverage	●	●	●
Smart Firewall & Quality of Service	●	●	●
User Access Scheduling	●	●	●
Website Viewing Restrictions	●	●	●
Gigabit Ports & Power Processor		●	●
Dual Band Interference Free			●
USB Storage Support			●
GREAT FOR...			
HD Audio / Video	●	●	●
Fast Data Transfer	●	●	●
Gaming	●	●	●
Large Homes / Offices	●	●	●

▶ Smart Setup Wizard

1. Connect your Modem to the Router
2. Connect your PC/Mac to the Router
3. Run the Smart Setup Wizard

Technical Specifications:

Wireless Standard: 802.11a/b/g/n
Frequency Band: 2.4GHz, 5.0GHz
Processor Clock Speed: 620MHz
Wireless Speed: 2.4GHz: 300Mbps (Rx), 300Mbps (Tx)
            5.0GHz: 300Mbps (Rx), 300Mbps (Tx)
Amplifier: Dual 2.4GHz 600mW Amplifiers
        Dual 5.0GHz Amplifiers
        Dual Low Noise Amplifiers
Wireless Output Power: 29dBm
Wireless Sensitivity: -94dBm
Wireless Security: WEP, WPA, WPA2, WPA Mixed, WPS
Wireless Access Scheduling: Specific day and time
Wireless Coverage Control: 15% - 100% Output Power
Guest Wireless Networks (Up to 4 Additional)
Supports Wireless Multimedia (WMM)
Smart Firewall (SPI, NAT)
Parental Controls (Website Blocking)
User's Access Control (MAC, IP Filtering)
Quality of Service (QoS)
Antennas:
   • 2 x High Gain 5dBi Dual Band Antennas
   • 2 x Reverse SMA Connectors
Ports:
   • 1 x RJ-45 10/100/1000M WAN Port (Modem Port)
   • 4 x RJ-45 10/100/1000M LAN Ports (Local Ports)
   • 1 x USB 2.0 Port (for USB Storage)
Mounting:
   • Wall, Stand or Desktop
Warranty: 1 Year

Setup Requirements:

- Broadband (cable/DSL) modem with Ethernet port
- Computer with wired (RJ-45) or wireless (802.11a/b/g/n) adapter

Product Contents:

- High Power Wireless-N 600mW Gigabit Dual Band Router
- Two Detachable High Gain 5dBi Dual Band Antennas
- Power Adapter
- Two RJ-45 Ethernet Cable
- Setup Guide
- CD: User's Guide, Installation Video
- Stand for vertical mounting

Specifications are subject to change without notice.

* Range specifications are based on performance test results. Actual performance may vary due to differences in operating environments, building materials and wireless obstructions. Performance may increase or decrease over the stated specification. Wireless coverage claims are used only as a reference and are not guaranteed as each wireless network is uniquely different. 600mW Amplifier ratings are for 2.4GHz wireless band.

Designed by Amped Wireless in the USA

Amped Wireless
13089 Peyton Dr. #C307
Chino Hills, CA 91709

www.ampedwireless.com
1(888) 573-8830