

**PROSERIES
HIGHPOWER™ AC1750
WI-FI® RANGE EXTENDER / BRIDGE**

DUAL BAND | 500mW | GIGABIT | PoE

The ProSeries High Power AC1750 Range Extender / Bridge is a multifaceted, long range, business-class Wi-Fi Range Extender / Bridge with a unique set of 4 different modes. Range Extender mode allows it to extend the range of any existing Wi-Fi network. Firewall Range Extender mode extends the range of any Wi-Fi network and creates a secure firewall between the extended network and the existing network for added security. Network Bridge mode expands an existing network by connecting wirelessly to the network and providing two wired ports to expand the network. WDS-Bridge mode allows the REB175P to connect to an access point in WDS-AP mode to bridge the existing Wi-Fi network and provide additional wired ports to expand the network.

The ProSeries AC1750 Range Extender / Bridge is equipped with twelve high power amplifiers and three high gain external antennas for up to 500mW of Wi-Fi output power. This combination of Amped Wireless High Power technology, paired with blazing-fast AC1750 Wi-Fi technology delivers unmatched range and speed performance. It features the highest quality components and is tested under the strictest standard to ensure reliability and performance under demanding business environments.













The ProSeries Range Extender supports advanced security features with the ability to support up to 30 Wi-Fi networks, each with unique security and access configurations. Each Wi-Fi network features smart security features that allow for the isolation of connecting devices**, bandwidth restrictions, network access restrictions, VLANs**, max users settings, MAC filtering, access schedules and much more. The two gigabit ports on the REB175P feature customized VLAN settings** and bandwidth controls and Intrusion detection systems. Firewall Range Extender mode provides support for additional features such as Internal and external RADIUS servers**, port forwarding, port filtering, DMZ and other router based features such as network address translations.

Deploying the ProSeries High Power Solutions is simple with Power over Ethernet support and magnetic or wall based mounting options.



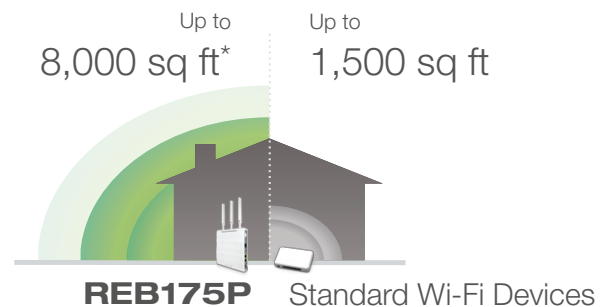
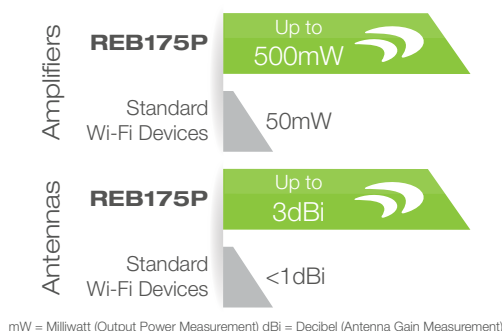
UP TO **8,000** SQ*
FT

KEY FEATURES

-  **Long Range Wi-Fi**
12 Amplifiers and 3 High Gain Antennas maximize Wi-Fi coverage
-  **Blazing-Fast AC1750 Wi-Fi**
Enough bandwidth and speed for demanding networks with multiple, simultaneous users
-  **Multiple Operational Modes**
Added versatility with Range Extender, Firewall Range Extender, Network Bridge and WDS-Bridge modes
-  **Wi-Fi Coverage Controls**
Limit the coverage size and output power of your Wi-Fi networks
-  **Up to 30 Unique Wi-Fi Networks**
Create up to 30 extended Wi-Fi networks with unique security settings, bandwidth restrictions, max users and VLAN settings**
-  **Robust Access Controls**
Restrict access via MAC address, RADIUS servers** (internal or external), VLANs** and more
-  **Internet Access Restrictions**
Restrict specific Wi-Fi networks to only have Internet access and not network access
-  **Wireless Client Isolation****
Prevent Wi-Fi devices connected to the same network from communicating with one another
-  **Access Controls & Schedules**
Restrict or allow access to the network and set schedules for when Wi-Fi is available
-  **Smart Gigabit Ports**
Customize and secure the gigabit wired ports with VLAN settings** and bandwidth restrictions
-  **Intrusion Detection System (IDS)**
Monitor and receive notifications about malicious activity and connection violations
-  **Intuitive Installation Features**
Magnetic mounting brackets, Power over Ethernet and audible buzzers make installing and troubleshooting easy

** VLANs, RADIUS Servers, and Wireless Client Isolation are available in Firewall Range Extender mode only.

AMPED WIRELESS DIFFERENCE



BUSINESS-CLASS SECURITY FEATURES



Virtual Networks

Set up VLANs** and isolate Wi-Fi networks, devices and wired ports (VLAN available in Firewall Range Extender mode only).

Internet Access Restrictions

Restrict specific Wi-Fi networks to only have Internet access and not network access.

Wireless Client Isolation**

Prevent Wi-Fi devices connected to the same network from communicating with one another.

Load Balancing

Limit the number of devices that can connect to a single SSID/network.

MAC Address Filtering

Restrict or allow access to the network via MAC Address.

Wi-Fi Coverage Controls

Limit the coverage size and output power of your Wi-Fi networks.

Access Schedules

Set day and time schedules for when Wi-Fi is enabled or disabled.

Intrusion Detection System (IDS)

Monitor network activity for malicious activity and connection violations. Block devices that repeatedly fail to connect and be notified of intrusion events.

Audible Alarm & LED Settings

Easily identify the location of the Range Extender with an audible alarm or make the Extender discreet by turning off the LED indicators.

RADIUS Servers

Support for external RADIUS servers** for user authentication. Also, features an internal RADIUS server if an external server is not available (Firewall Range Extender mode only).

Firewall/Router Features

Port forwarding, port filtering, demilitarized zones, denial of service, NAT, DHCP server and more (Firewall Range Extender mode only).

Most security features can be set individually for each of the 30 Extended Wi-Fi networks.

** VLANs, RADIUS Servers, and Wireless Client Isolation are available in Firewall Range Extender mode only.

HOW IT WORKS

The REB175P features four operational modes and business-class security features that can be configured from the web menu. Each mode features a Basic Setup Wizard for easy configuration.



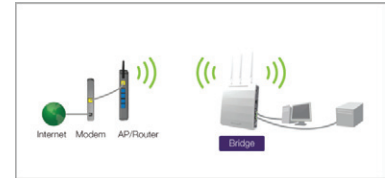
RANGE EXTENDER MODE

Extend the range of any standard Wi-Fi network by repeating the signal and re-distributing it in a new, extended location.



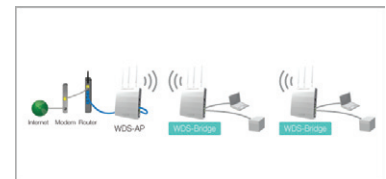
FIREWALL RANGE EXTENDER MODE

Extend the range of any Wi-Fi network and create a firewall between the source network and extended network for added security between the networks.



NETWORK BRIDGE

Expand an existing Wi-Fi network by connecting wirelessly to the network and enabling access using the two gigabit ports on the Bridge.



WDS-BRIDGE

Connect to an access point in WDS-AP mode to bridge the existing Wi-Fi network access via the two gigabit wired ports on the WDS-Bridge.

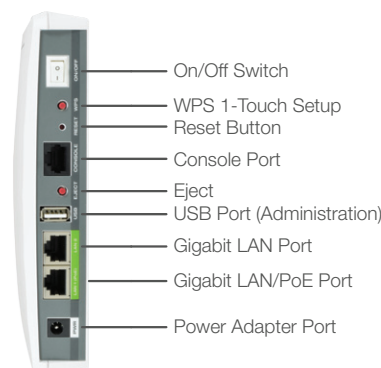
EASY SETUP WITH BASIC SETUP WIZARDS

Each operational mode includes a Basic Setup Wizard to guide you through the initial setup of each mode. The Auto DHCP Server feature allows for plug and play setups to most networks.

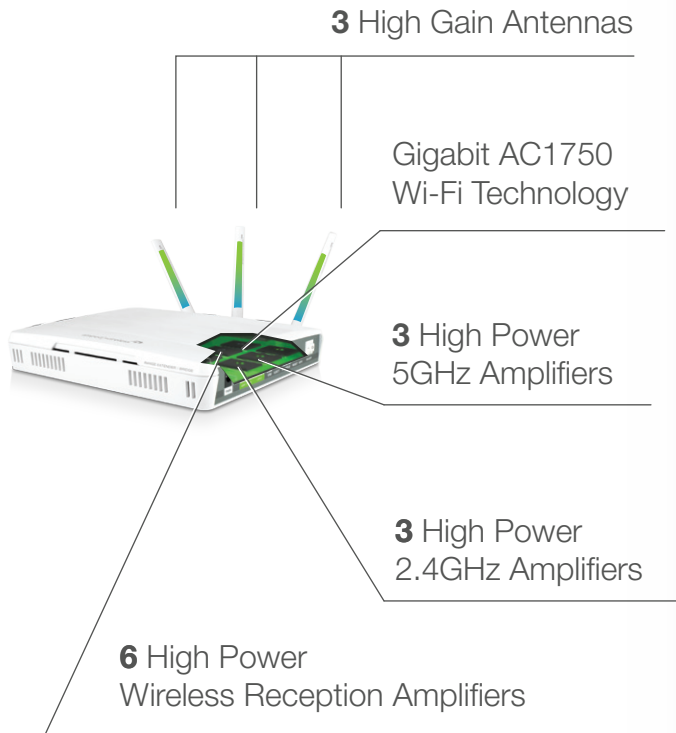
- 1 Plug the Range Extender / Bridge to a power outlet or Power over Ethernet switch.
- 2 Connect your computer to the Range Extender / Bridge
- 3 Access the web menu and select your operational mode. The Basic Setup Wizard will walk you through the set up for your specific mode.



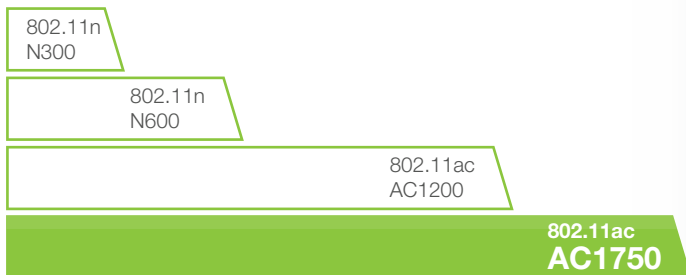
CONNECTORS & PORTS



12 HIGH POWER AMPLIFIERS & 3 HIGH GAIN ANTENNAS BOOST WI-FI PERFORMANCE



AC1750 WI-FI DELIVERS UP TO 6X MORE SPEED THAN N300



TECHNICAL SPECIFICATIONS

Wireless Standard: 802.11a/b/g/n/ac
 Frequency Band: 2.4GHz / 5GHz Simultaneous
 Wireless Speed: AC1750
 Security: WEP, WPA, WPA2, WPA Mixed, WPS, RADIUS
 User Access Controls
 Adjustable Wireless Coverage
 Amplifiers: 3 x 2.4GHz Amplifiers
 3 x 5GHz Amplifiers
 6 x Low Noise Amplifiers
 Antennas: 3 x Detachable High Gain Dual Band Antennas
 Ports: 1 x RJ-45 10/100/1000M LAN Port
 1 x RJ-45 10/100/1000M WAN/LAN/PoE Port
 1 x RJ-45 Console Port
 1 x USB 2.0 Port for Firmware Upgrades & Admin
 Power Adapter Rating: Switching Adapter, Input: 100-240v, Output: 12v, 4A
 Mounting: Desktop or Wall (Magnet)
 Magnetic Mounting Kit Included
 Warranty: 1 Year

SETUP REQUIREMENTS

Range Extender / BridgeMode:

- An available Wi-Fi network
- Computer with wired or wireless network adapter

WDS-Bridge Mode:

- An access point in AP-WDS mode

PRODUCT CONTENTS

- ProSeries High Power AC1750 Wi-Fi Range Extender / Bridge
- 3 x Detachable High Gain Dual Band Antennas
- Magnetic Mounting Kit
- Setup Guide
- CD: User's Guide
- RJ-45 Ethernet Cable
- Power Adapter (100-240v)

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. Maximum wireless signal rate derived from IEEE 802.11 standard specifications. Actual data throughput may vary as a result of network conditions and environmental factors. AC1750 wireless signal speeds achieved when connecting to other AC1750 capable Wi-Fi devices. Output power specifications are based on the maximum possible radio output power plus antenna gain.

May not work with non-standard Wi-Fi routers or routers with altered firmware or proprietary firmware, such as those from third party sources or some Internet service providers. May not work with routers that do not comply with IEEE or Wi-Fi standards.

2.4GHz | 5GHz SIMULTANEOUS

WORKS WITH
802.11 a/b/g/n **AC**

Designed by Amped Wireless in the USA

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