

PROSERIES HIGHPOWER™ AC1750 WI-FI® ACCESS POINT / ROUTER
 DUAL BAND | 500mW | GIGABIT | PoE



The ProSeries High Power AC1750 Access Point / Router is a multifaceted, long range, business-class Wi-Fi device with a unique set of 5 different modes. Router Mode allows it to act as a high power, long range Wi-Fi Router. Access Point Mode is when the device is wired to any existing network to add long range, secure Wi-Fi access. In WDS-AP Mode you can connect multiple Access Points together, wirelessly, to deliver wired and wireless Internet access across a large area. And for more intricate, larger networks – the APR175P can be placed in Controller Mode or Managed Mode. Controller Mode allows for remote management of up to 7 Access Points, simultaneously, that are configured in Managed Mode. This Mode allows for swift, simultaneous updates and control of a more broad and complex network. The ProSeries AC1750 Access Point is equipped with twelve high power amplifiers and three high gain, external antennas for up to 500mW of Wi-Fi output power. The combination of Amped Wireless High Power technology and blazing-fast AC1750 Wi-Fi delivers unmatched range and speed performance. It features the highest quality components and is tested under the strictest standards to ensure reliability and performance under demanding business environments.












The APR175P is built with advanced security features with the ability to support up to 32 Wi-Fi networks, each with unique security and access configurations. Every individual Wi-Fi network is equipped with smart security features that allow for the isolation of connecting devices, bandwidth restrictions, network access restrictions, VLANs, max user settings, MAC filtering, access schedules and much more. The two gigabit ports on the APR175P feature customized VLAN settings and bandwidth controls as well. Intrusion detection systems and RADIUS servers (internal and external) are also provided for maximum security.

Deploying the ProSeries High Power Solutions is simple with Power over Ethernet support and magnetic or wall based mounting options. Installation and management is easy for anyone with graphical maps with customizable floor plans and coverage areas, along with analytics for each Access Point. Allowing for ease of control, flexibility in your network and a quick, yet powerful, solution for your Wi-Fi needs.





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

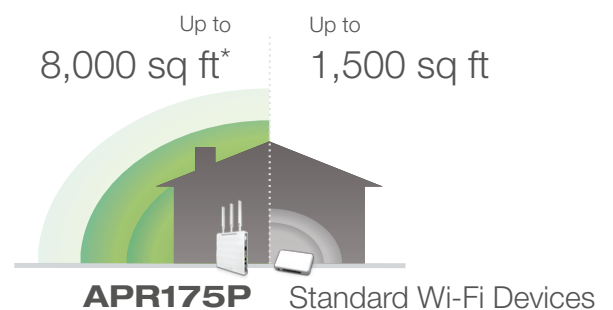
KEY FEATURES

-  **Long Range Wi-Fi**
Extend the range of any single or dual band Wi-Fi router by up to 10,000 sq ft*
-  **Blazing-Fast AC1750 Wi-Fi**
Supports next-gen AC1750 Wi-Fi for 450Mbps on 2.4GHz and 1300Mbps on 5GHz
-  **Multiple Operational Modes**
Added versatility with Router, AP, Managed AP, AP Controller, and WDS-AP modes
-  **Centralized Management**
Manage up to 7 Access Points and easily configure any setting from a single web interface
-  **Up to 32 Unique Wi-Fi Networks**
Each AP can support up to 32 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
-  **Smart, Advanced Wi-Fi Security**
Restrict Wi-Fi network access to Internet only, block access to network devices, and isolate devices connecting via Wi-Fi
-  **Graphical Maps & Analytics**
Customize graphical maps of your deployment and access charts for analytics on each AP
-  **Smart Gigabit Ports**
Customize and secure the gigabit wired ports with VLAN settings and bandwidth restrictions
-  **Intrusion Detection System**
Detect unauthorized attempts to access the network
-  **Intuitive Installation Features**
Magnetic mounting brackets, Power over Ethernet and audible buzzers make installing and trouble-shooting easy

AMPED WIRELESS DIFFERENCE

Amplifiers	APR175P	Up to 500mW 
	Standard Wi-Fi Router	50mW
Antennas	APR175P	Up to 3dBi 
	Standard Wi-Fi Router	<1dBi

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



BUSINESS-CLASS SECURITY FEATURES



Virtual Networks

Setup VLANs and isolate Wi-Fi networks, devices and wired ports.

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.

RADIUS Servers

Support for external RADIUS servers, for user authentication. Also features an Internal RADIUS server if an external server is not available.

MAC Address Filtering

Restrict or allow access to the network through a device's 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 available or unavailable.

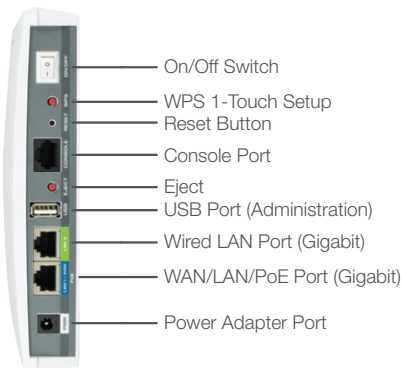
Intrusion Detection System (IDS)

Monitor and receive notifications about malicious activity and connection violations.

Audible Alarm & LED Settings

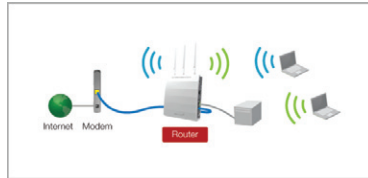
Identify the location of the AP with an audible alarm and control the AP's LED indicators.

CONNECTORS & PORTS



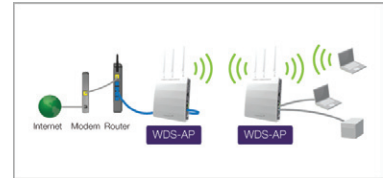
HOW IT WORKS

The APR175P features five operational modes and business-class security features that can be configured from the web menu. Each mode features a Basic Setup Wizard and Plug-and-Play setup.



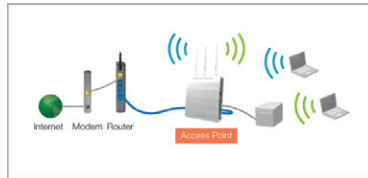
ROUTER MODE

Share a broadband Internet connection and add long range, reliable Wi-Fi access. Provide a secure firewall for your network.



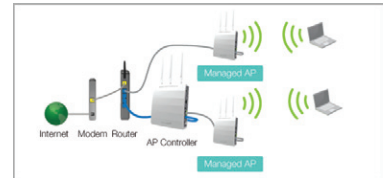
WDS-AP MODE

Connect multiple Access Points together, wirelessly, similar to a repeater. Each Access Point provides Wi-Fi and wired-based access to the existing network.



ACCESS POINT MODE

Add long range, secure Wi-Fi to an existing network by connecting to a local port on your network (switch or router).

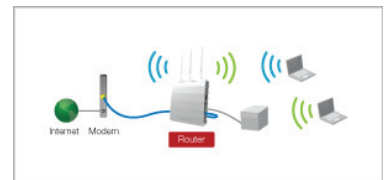


MANAGED AP MODE

Remotely manage the Access Point. Managed by an Access Point Controller for use with larger deployments and can be configured simultaneously with other Managed APs.

ACCESS POINT CONTROLLER MODE: CENTRALIZED MANAGEMENT

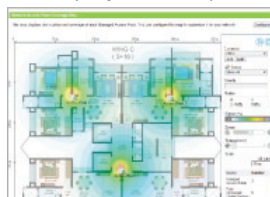
Centrally manage up to 7 Access Points, simultaneously. Provide a single web-based interface for configuring Wi-Fi SSIDs, security features, VLANs, group settings and more. Settings can be applied all together or individually for each Managed Access Point.



AP CONTROLLER MODE FEATURES

- Utilize a single web-based interface to manage networked Access Points.
- Group together multiple Access Points and simultaneously apply settings to all.
- Create "smart" Wi-Fi networks with unique security features such as VLAN settings, device isolation, access controls, bandwidth restrictions and more. Construct a centralized device access policy with the Internal RADIUS server or use an external server. Add MAC filtering rules for additional control.
- View the status of all Managed Access Points and simultaneously upgrade their software.
- See graphical analytics of Access Point activity and network map.
- Reboot, sound an alarm, flash LEDs and edit settings remotely, for any Access Point.

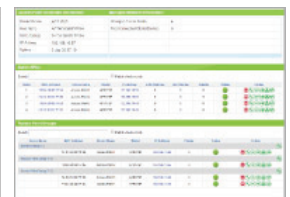
Customized Deployment Maps



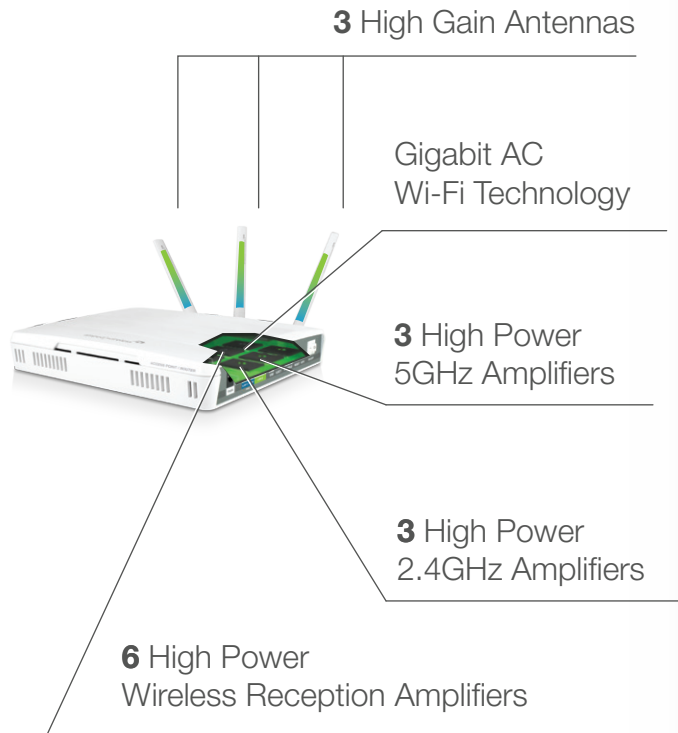
Graphical Analytics of Each Access Point



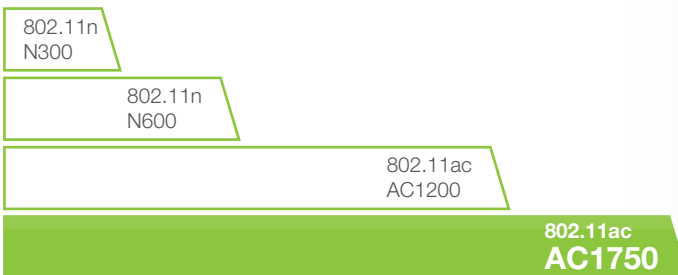
Managed Access Point Overview



**HIGH POWER AMPLIFIERS & HIGH GAIN
ANTENNAS BOOST WI-FI PERFORMANCE**



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



SIMPLE SETUP

1. Plug the Access Point to a power outlet or Power over Ethernet switch.
2. Connect your computer to the Access Point.
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.

TECHNICAL SPECIFICATIONS

Wireless Standard: 802.11a/b/g/n/ac
 Frequency Band: 2.4GHz / 5GHz
 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 WAN/LAN/PoE Port
 1 x RJ-45 10/100/1000M LAN 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

- Router Mode:
- Broadband Internet Modem with Ethernet Port
 - Computer with wired or wireless network adapter
- Access Point Modes:
- A router or network switch with an available network (LAN) network port
 - Computer with wired (RJ-45) or wireless (802.11a/b/g/n/ac) adapter
- AP Controller Mode / Managed AP Mode:
- Additional APR175Ps for AP Management

PRODUCT CONTENTS

- ProSeries High Power AC1750 Wi-Fi Access Point / Router
- 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.

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

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

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