

## N.Power

### Hi-Power Wireless-b/g/n PoE AP Router

- Hi-Power Wireless-N AP Router
- Up to 2000mW(33dBm) Output Power
- Up to 10 times More Coverage
- Adjustable Output Power
- 12V Passive PoE Port
- AP, Router, Client, Bridge, Repeater Multi-mode
- 1T1R Wireless-b/g/n Wireless Standard
- Multiple SSID and Bandwidth Control
- 1 x USB 2.0 Port for FTP File Sharing
- Anonymous and Account FTP Server



The number one issue with wireless network today is the limited coverage. Although most makers claim their wireless coverage is good for 300meter, most can't even reach the other end of the house in the real world installations. That's why AirLive developed the N.Power. It is simply the most powerful Wireless-b/g/n router in the world. At up to 2 Watt maximum output power, it delivers as much as 20 times more power than a conventional AP. It can solve your coverage issue almost immediately.

### 2000mW Maximum Output Power\*



The N.Power is the first Wireless-N router to provide 2000mW output power with the included 3dBi antenna (1000mW without antenna). That means it can cover up to 10 times the area comparing with normal powered solutions. It has been tested to connect with another N.Power at 2.6km distance in open space using the included small indoor antenna. That's 9 times the distance comparing to normal router using the same antenna. Furthermore, the output power is scalable from 12dBm all the way to 30dBm, so you can use just enough power for your environment.

Manufacturer

**OvisLink Corp.**

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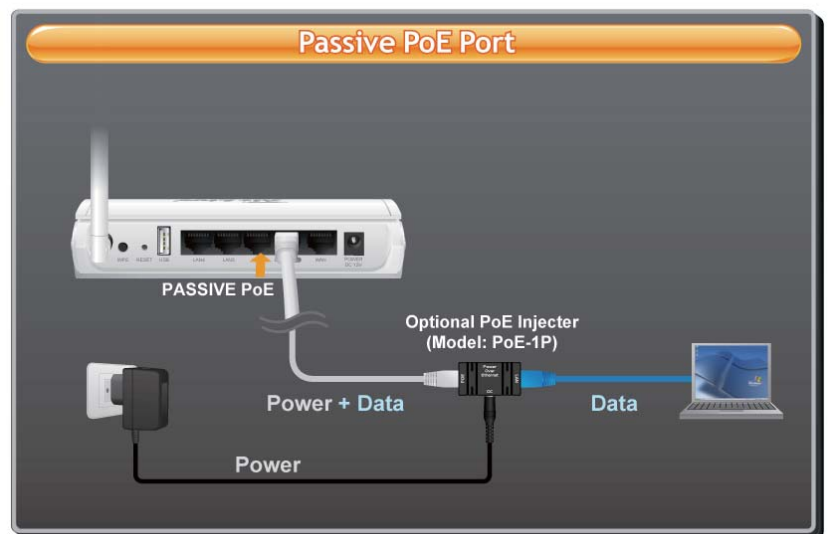
## Multi-Function Wireless Mode

Wireless Mode	Applications
Router	Sharing Internet broadband
AP(with WDS Repeater)	Building wireless LAN network and/or extend the coverage of another AP/Router.
WDS Bridge	Connect 2 networks together wirelessly
Client Mode	The N.Power will act as a wireless client card. It can connect your network with a remote WISP network.

The N.Power is built with the famous AirLive Wireless engine that includes the ability to change wireless modes for different applications. In addition, advance functions such as Virtual AP, bandwidth control, and over 100 features are harnessed by the user friendly AirLogic interface. Everything is arranged in the most intuitive fashion so you can start quickly without even looking at the user's guide. The setup wizard can get your N.Power working in 3 simple steps.

## Hotel, Schools, and Public Hotspot

With the N.Power's incredible large coverage, it is ideal for hotel, school, park, shopping malls installations. You can use far less number of access points to achieve the same coverage; therefore, reduce the cost of installation tremendously. In addition, the built-in passive PoE port allow installation in places far away from electricity.



## Crystal Synergy Design

Take one look at the N.POWER and you will indulge yourself in its stylish design. The N.POWER uses AirLive's latest Crystal Synergy design statement. It combines the elements of transparency, suspension, and kinetic movement to form the breathtaking gravity defying style. It is not only beautiful to look at but also provides the maximum amount of cooling surface. At AirLive, we believe our products should complement your interior design and stands out as a piece of art decor. The Crystal Synergy statement is a pinnacle achievement to that goal.

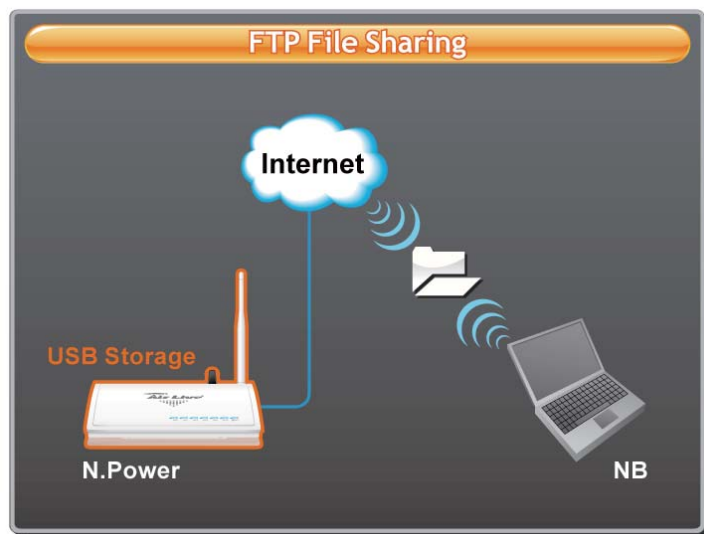


## USB Port for FTP File Sharing

The N.Power's USB port allows you to plug in a USB storage for quick file sharing via FTP service\*\*. You can choose between no password or password access. It provides a simple way to share photos, videos, or other files with your friends and family together.

\* Powered limited to 20dBm in EU and 23dBm in the U.S.

\*\* FTP function supports FAT and FAT32 disk format only. Only file and folder name with western alphabets are supported.



## Specifications

### Hardware Feature

- 150N 1T1R 11b/g/n Radio
- 2000mW combined output power (20dBm in EU and 23dBm in U.S)
- 1 WAN Port + 4 LAN Ports
- 1 USB 2.0 Port
- 12V Passive PoE Port (LAN1)
- 7 LED indicators
- Wall Mount Screw Holes
- Reset Button
- WPS Push Button

### Antennas

- 1 x R-SMA antenna connectors
- 1 x 3dBi dipole antenna

### Frequency Band

- USA (FCC) 11 Channels: 2.412GHz~2.462GHz
- Europe (ETSI) 13 Channels : 2.412GHz~2.472GHz
- South America: 14 Channels : 2.412GHz~2.472GHz

### Data Rate

- 802.11n
  - 20 MHz BW(LGI): 65, 58.5, 52, 39, 26, 19.5, 13, 6.5

- 40 MHz BW(LGI): 135, 121.5, 108, 81, 54, 40.5, 27, 13.5
- 20 MHz BW(SGI): 72.2, 65, 57.8, 43.3, 28.9, 21.7, 14.4, 7.2
- 40 MHz BW(SGI): 150, 135, 120, 90, 60, 45, 30, 15
- 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6 Mbps
- 802.11b: 11, 5.5, 2 and 1 Mbps

### Modulation

- 802.11n: BPSK, QPSK, 16-QAM, 64-QAM
- 802.11g: OFDM
- 802.11b: CCK, QPSK, BPSK

### TX Output Power

- ETSI(Europe)
  - 802.11b : About 20dBm max
  - 802.11g : About 20dBm max
  - 802.11n : About 20dBm max
- FCC(The United States)
  - 802.11b : About 23dBm max
  - 802.11g : About 23dBm max
  - 802.11n : About 23dBm max
- South America(without antenna / with antenna)
  - 802.11b : About 30dBm/33dBm max
  - 802.11g : About 29dBm/32dBm max
  - 802.11n : About 27dBm/30dBm max

### Receiver Sensitivity

- 802.11b 11Mbps  $\leq$  -90dBm
- 802.11g 54Mbps  $\leq$  -73dBm
- 802.11n HT20 MCS7  $\leq$  -70dBm
- 802.11n HT40 MCS7  $\leq$  -67dBm

### Operation Modes

- Router Mode
- AP Mode
- Client Mode
- WDS Repeater Mode
- WDS Bridge Mode

### Software Functions

- Setup Wizard
- WPS Support
- Multiple SSID Virtual AP functions
- Bandwidth Control / Traffic Shaping
- FTP File Sharing Support
- WPA with PSK /AES support ,WPA2 support
- Privacy Separator support
- Hide SSID Support , Wireless Multicast-to-Unicast,
- PPPoE, DHCP, Fixed IP, PPTP, L2TP, BigPond WAN types
- Virtual Server, DMZ, DDNS, NTP, MAC Filtering, IP Filtering, URL Filtering
- TTL, Remote Management, UPnP, VPN Passthrough
- Access Control List, WMM, WPS, Radius support
- Support adjustable output power
- Bootloader Protection and Emergency Firmware Upload Code
- Restore to Factory Default
- Up to 40 Static DHCP entries
- Static Route, Virtual Server, URL Filter, Firewall
- Green AP Energy Saving feature
- Firmware upgrade
- Configuration Backup and Restore

### Dimensions and Weight

- Dimension: 154 x 130 x 316 mm
- AP Unit Weight(Approximate): 280g
- Package Weight(Approximate): 686g

### Power Supply

- Input: 100~240Vac/50~60Hz
- Output: DC 12V/1A
- 12V Passive PoE Port (DC Injector not included)

### Certification

- CE FCC

### Environment

- Operating temperature: 0~50°C
- Operating humidity (non-condensing): 20~80%
- Storage temperature: -20~65°C
- Storage humidity: 95% Max

### Ordering Information:

- AirLive N.Power** Hi-Power Wireless-b/g/n PoE AP Router, ETSI  
Hi-Power Wireless-b/g/n PoE AP Router, FCC  
Hi-Power Wireless-b/g/n PoE AP Router, South America