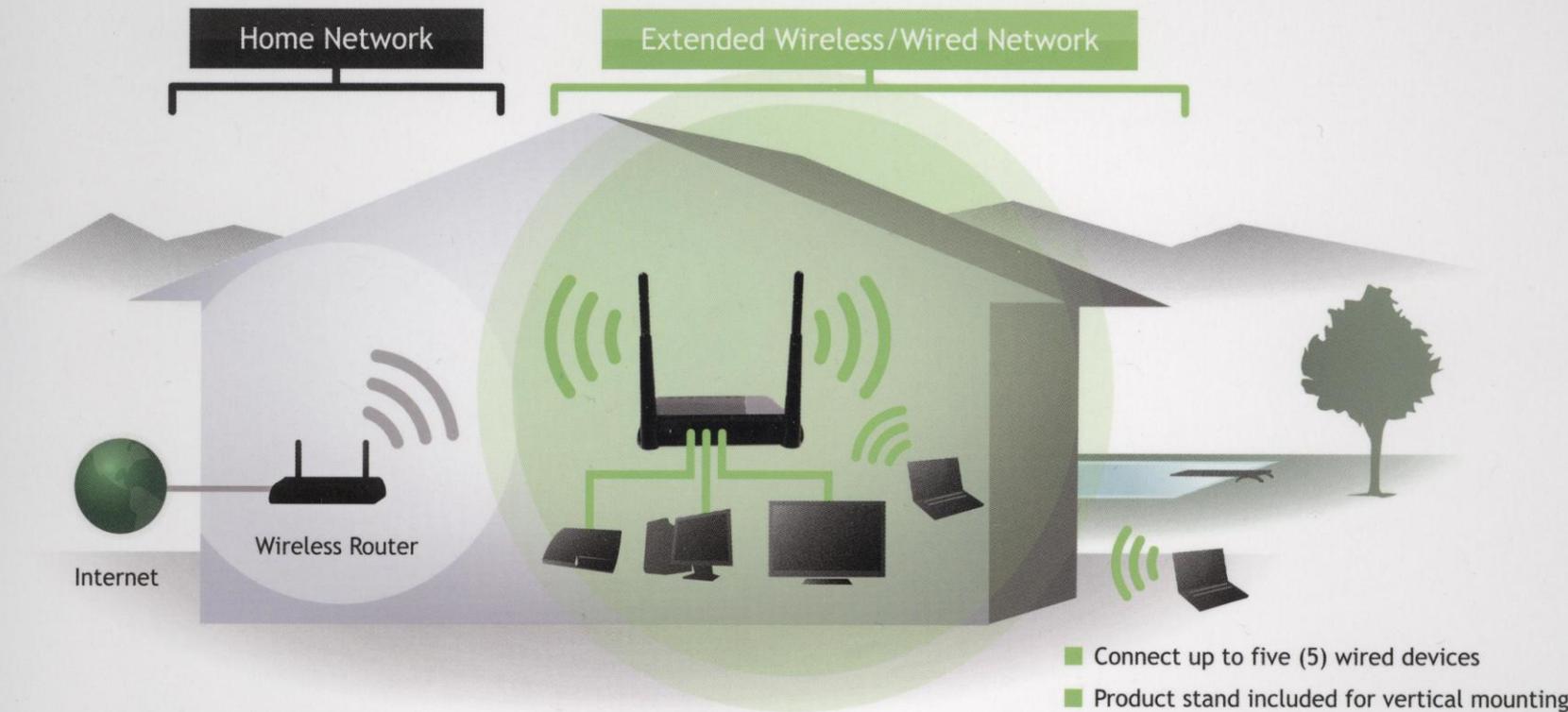


WiFi Repeater-For When Your WiFi Signal Will Not Reach

How It Works

The High Power Wireless-300N Smart Repeater receives the signal from your home/office wireless router and retransmits it in a new location, extending your range.



Amped Wireless Technology

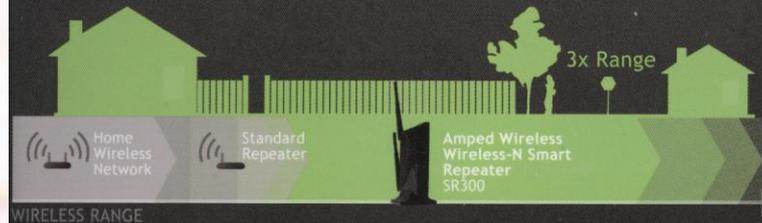
High Gain Antennas



Amplifier Inside

High Power Amplifiers and Antennas boost wireless performance

(See comparison to standard Wi-Fi devices below)



Extend the Range of your Home or Office Network up to **3x**

Designed in the USA 

Features

- Add 5 Wired Connections:
Great for additional PC's, Blu-ray players, game consoles, TV's and other networked devices
- Mounting Options:
Vertical (Stand included), desktop or wall mount
- Upgradable Antennas:
Antennas can be replaced with High Gain indoor or outdoor antennas for more range

Smart Setup Wizard

- 1 Connect your computer to the Smart Repeater
- 2 Open your web browser and enter the provided setup web address
- 3 Scan for and select your existing wireless network

Amped Repeater Installation

- ◆ Installation went as per instructions – Won't go into detail
- ◆ After placing second desktop and laptop on the extended part of the net using automatic TCPIP connections, problems occurred in connecting reliably
- ◆ Solution was to manually assign TCPIP address for each device – see slides following for two devices (one running from each node)

Router Configuration (Tanager)

Home Settings Site map

Home networking modem Internet LAN Firewall Diagnostics

Status Wireless DHCP IP address allocation

 **Warning:** Modifying the settings on this page can impact the ability of devices to access your private network.

DHCP configuration

DHCP server enabled Unchecking will stop the DHCP server from assigning IP addresses to LAN DHCP clients.

DHCP network range If you change the IP address range, you must renew the DHCP lease for all devices on the network.

- 192.168.1.0 / 255.255.255.0 (default)
- 172.16.0.0 / 255.255.0.0
- 10.0.0.0 / 255.255.0.0
- Configure manually

Router address:

Subnet mask:

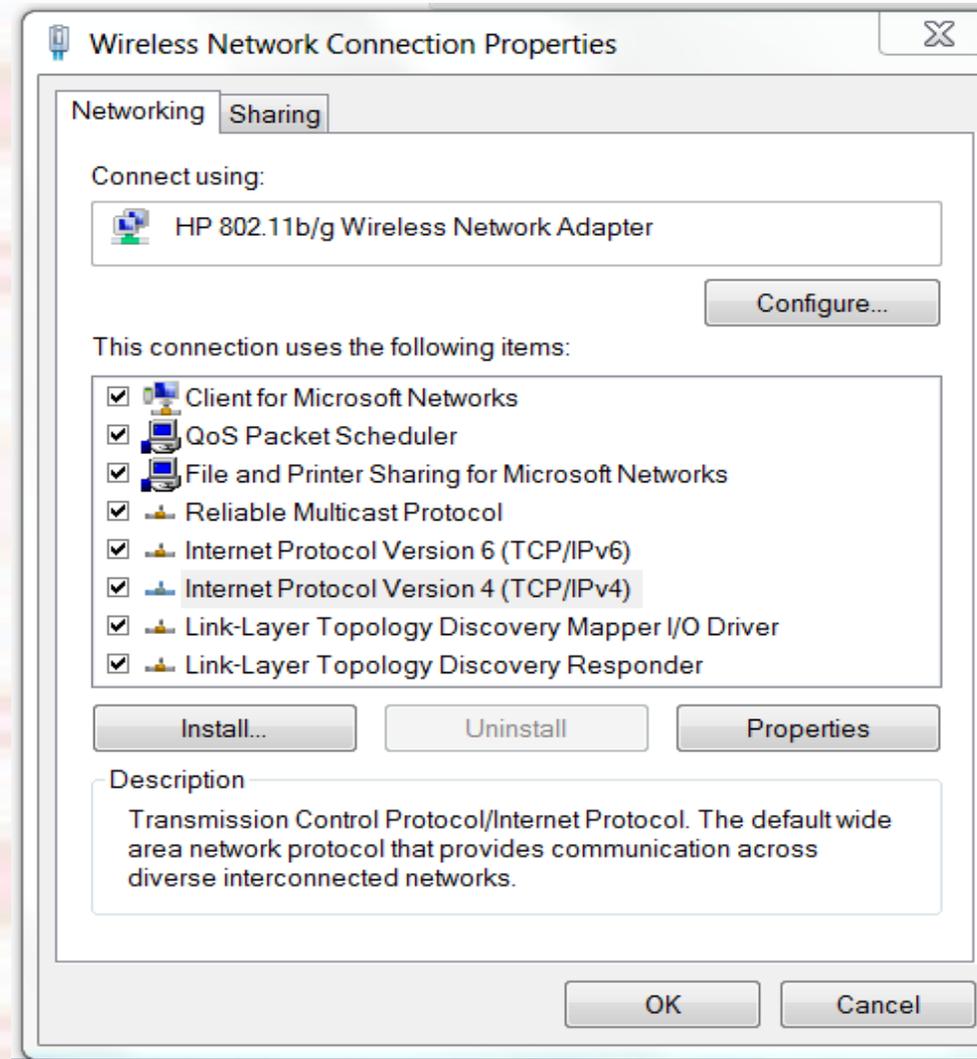
First DHCP address:

Last DHCP address:

DHCP lease time: hours (72 hours default)

[Save](#)

Win 7 TCPIP Selection



Win 7 TCPIP – Original Router

Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

Obtain an IP address automatically

Use the following IP address:

IP address: 192 . 168 . 2 . 18

Subnet mask: 255 . 255 . 255 . 0

Default gateway: 192 . 168 . 2 . 1

Obtain DNS server address automatically

Use the following DNS server addresses

Preferred DNS server: 192 . 168 . 2 . 1

Alternate DNS server: . . .

Validate settings upon exit

Advanced...

OK Cancel

Win XP Computer – Repeater

Internet Protocol (TCP/IP) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

Obtain an IP address automatically

Use the following IP address:

IP address:	192 . 168 . 2 . 20
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	192 . 168 . 2 . 1

Obtain DNS server address automatically

Use the following DNS server addresses:

Preferred DNS server:	192 . 168 . 2 . 17
Alternate DNS server:	192 . 168 . 2 . 1

Advanced...

OK Cancel

Observations After Installation

- ◆ One of the far computers will run from either router or repeater.
- ◆ Noticed signal strength on original router runs 10 to 10, but defaults to 4. Increased power to 10
- ◆ Router and Repeater must be on same channel to talk to each other on same frequency. I chose #7. Problem with Bell 2Wire router is that it periodically resets to another channel and must be manually reset.

Repeater Installation Recommendations

- 1) Set router channel to highest (10) and router power level to highest (10) and test to make sure you really need a repeater.
- 2) Manually assign all TCPIP numbers to each computer on each network to avoid device conflicts and unreliable connections on device start-up.
- 3) If device will not start on repeater, check for channel alignment with router.

Power and Channel Settings

Wireless

Wireless channel: 7 (7 (2442 MHz))
Wireless power level: 10
SSID name: Tanager
Status: Enabled
SSID broadcast: Enabled
Security: WPA-PSK

Devices

[Hide inactive devices](#)

Device	Interface	MAC address	IP address	
Ian - 2		00:c0:a8:cf:1f:8e	192.168.2.18	Device details Edit name
Ians-iPAD		70:de:e2:df:7c:0c	Unknown	Device details
Wireless Repeater		f8:78:8c:01:74:d6	192.168.2.17	Device details Edit name
DELL_LAPTOP		00:18:f8:f1:6c:5c	Unknown	Device details
unknown1C7EE5236BD9		1c:7e:e5:23:6b:d9	Unknown	Device details Edit name

[Clear list](#)