# Hi-Gain™ Dual Band Wireless-N Router

MODEL: **HD45R**

**DUAL BAND**

**PACKAGE CONTENTS:**

- One Hi-Gain™ Dual band Wireless-450N Router
- 3x 3dBi Hi-Gain Omni Directional Antennas
- One Mac/PC CD (includes User's Manual and Support Utility for PC)
- One RJ-45 Ethernet Cable
- One Power Adapter
- Easy to follow Quick Installation Guide

This Dual Band router is the best choice for Small office / Home office users. All computers and network devices can share a single DSL/cable modem internet connection at high speed. Easy install procedures allow any users to setup a network environment in a very short time. When the number of computers and network-enabled devices grow, you can also expand the number of network just by attaching network switches or adding access points or wireless range extenders to extend the scope of your network.

TECHNOLOGY

With built-in dual band 2.4GHz and 5GHz radios, this router supports the IEEE 802.11b/g/n and IEEE 802.11a/n wireless network standards simultaneously. All computers and wireless-enabled network devices (including PDA, cellular phone, game console, etc.) can connect to this wireless router without additional cabling. 802.11N wireless capability also gives you the highest wireless speeds. With a compatible wireless card installed in your PC, you can transfer files up to 450Mbps (transfer data rate) for a 5GHz wireless network and 300Mbps (transfer data rate) for a 2.4GHz wireless network.

FEATURES

- Supports 2.4GHz and 5GHz wireless devices simultaneously.
- High Internet Access throughput.
- Share a single Cable or DSL internet connection.
- Access private LAN servers from the internet.
- Four wired LAN ports (10/100/1000M) and one WAN port (10/100/1000M).
- Provides IEEE 802.11a/b/g/n wireless LAN capability.
- Support DHCP (Server/Client) for easy IP-address setup.
- Advanced network and security features like: Special Applications, QoS, DMZ, Virtual Servers, Access Control, Firewall.
- Allows you to monitor the router's status: DHCP Client Log, System Log, Security Log and Device/Connection Status.
- Easy to use Web-based GUI for network configuration and management purposes.
- Remote management function allows configuration and upgrades from a remote computer (over the Internet).
- Auto MDI / MDI-X function for all wired Ethernet ports.

SYSTEM REQUIREMENTS

- Internet connection, provided by DSL or cable modem with a RJ-45 Ethernet port.
- Computer or network devices with wired or wireless network interface card.
- Web browser (Microsoft Internet Explorer 4.0 or above, Netscape Navigator 4.7 or above, Opera web browser, or Safari web browser).
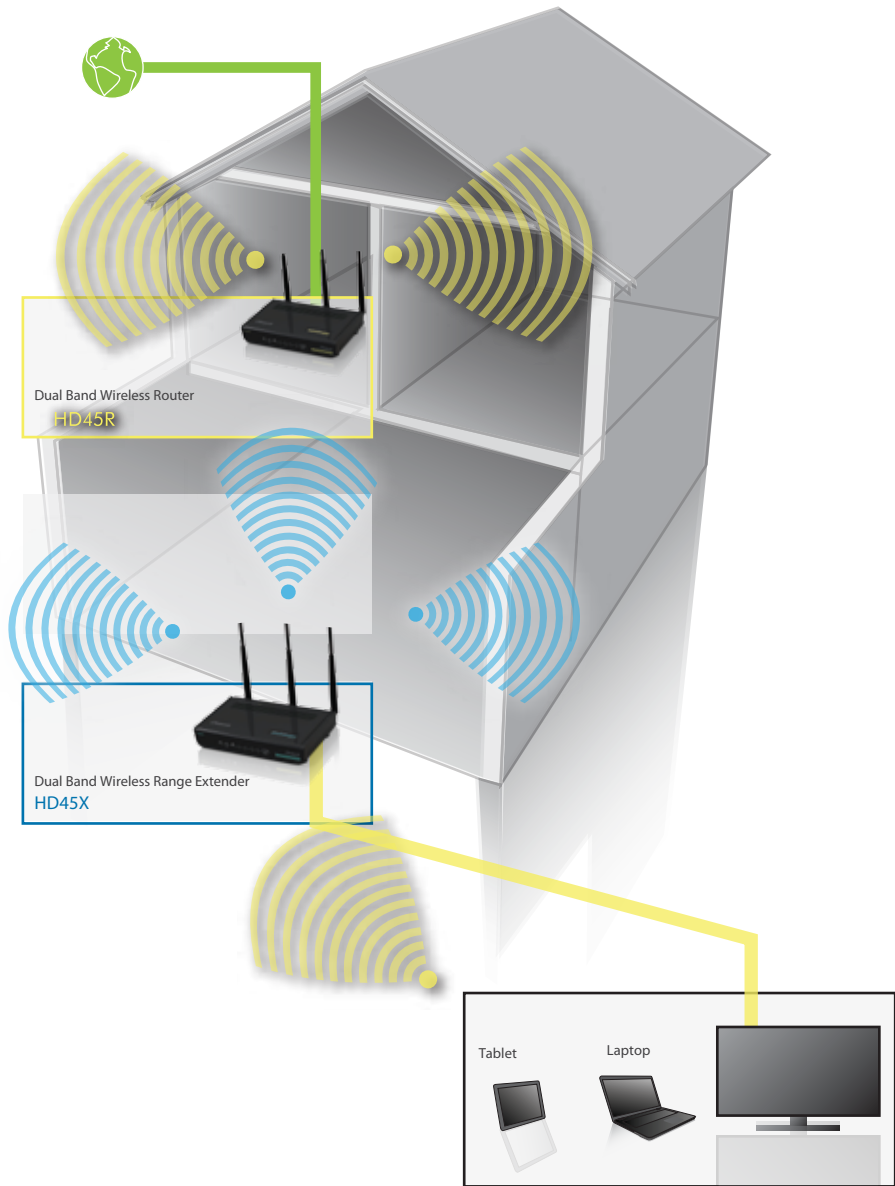- An available AC power socket (100 – 240V, 50/60Hz)

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## SPECIFICATIONS:

**SOC+RF:** Ralink RT3883 (CPU+5GHz) + RT3092 (2.4GHz)

**Gigabit Switch:** Realtek RTL8367R

**Flash:** 8MB Parallel Flash

**RAM:** 64MB DDR2 RAM

**LAN Ports:** 10/100/1000M (Auto-MDI/MDI-X) x 4

**WAN Port:** 10/100/1000M (Auto-MDI/MDI-X) x 1

**MIMO Technology:** 5GHz: 3T3R MIMO, 2.4GHz: 2T2R MIMO

**Antenna:** 3dBi Dual Band Fixed Dipole Antenna x 3 (3T3Rfor 5GHz and 2T2R for 2.4GHz)

**Output Power:**
2.4GHz
11b(11Mbps): 18±1.5dBm
11g(54Mbps): 17±1.5dBm
11n(20MHz, MCS15): 17±1.5dBm
11n(40MHz, MCS15): 16±1.5dBm
5GHz
11a(54Mbps): 15±1.5dBm
11n(20MHz, MCS23): 14±1.5dBm
11n(40MHz, MCS23): 14±1.5dBm

**Receive Sensitivity:**
2.4GHz
11b(11Mbps): -86dBm±2dBm
11g(54Mbps): -72dBm±2dBm
11n(20MHz, MCS15): -66dBm±2dBm
11n(40MHz, MCS15): -63dBm±2dBm
5GHz
11a(54Mbps): -72dBm±2dBm
11n(20MHz, MCS23): -66dBm±2dBm
11n(40MHz, MCS23): -63dBm±2dBm

**Power:** 12V, 1.25A Switch Power Adapter

**Dimension:** 32(H) x 180(W) x 118(D) mm

**Operating Temperature:** 0~40C,

**Storage:** -20~60C

**Operating Humidity:** Operating: 10~90% (Non Condensing)

**Storage:** Max.95% (Non Condensing)



Dual Band Wireless Router
HD45R

Dual Band Wireless Range Extender
HD45X

Tablet    Laptop

## HI GAIN DUAL BAND COLOR CODE

| Routers/Adapters | Wireless Bridges | Range Extenders |
|---|---|---|
| | | and Repeaters |