

Hi-Gain™ Dual-Band Wireless-N Range Extender

MODEL: **HD45X**

DUAL BAND



PACKAGE CONTENTS:

- One Hi-Gain™ Dual Band Wireless-N Range Extender
- Three 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

Eliminate wireless deadspots with the new HD45X Hi-Gain Dual Band Wireless-N Range Extender. Complete with a Three 3dBi dipole antennas, the HD45X is sure to give your network the boost it needs to sustain a stable connection that ensures uninterrupted web surfing. To guarantee seamless integration with your wireless network, the HD45X is compatible with all Hawking Hi-Gain Dual Band Wireless Antennas.

With the HD45X connected to your laptop, the network signal is magnified by the range extender. Acting like a wireless relay, it will expand your wireless range up to 2x stronger. It will strengthen the previously weak wireless signal and maximize your networks data transfer rate. This provides a stronger and more solid wireless connection to improve overall uploading and downloading speed. As a result, the user experiences faster speeds and less data lag while streaming or downloading multimedia content (video, music, etc.).

Dual Band

2.4GHz is the most commonly used wireless bandwidth. It also has a very narrow range of channels, usually between 1-11. Common household devices such as microwaves and cordless phones also use the 2.4GHz bandwidth, and can cause interference with your wireless network. As a result of its heavy usage and narrow range of channels, the speed and range of typical WiFi devices can be negatively affected.

5GHz solves this problem by providing a faster, less congested, bandwidth with a wider range of available channels.

Ease of Use

Simply connect to the HD45X wirelessly, open your web browser and type in the setup page for the device to configure. Installation can be done in less than 3 minutes.

FEATURES

- Supports 2.4GHz and 5GHz wireless devices simultaneously.
- Provides IEEE 802.11b/g/Draft-N wireless LAN capability
- Supports 64/128-bit WEP, WPA, and WPA2 wireless data encryption.
- Supports MAC address filtering (Only allow specific wireless device of your choice to connect to this access point).
- Five wired LAN ports (10/100/1000M)
- Auto MDI / MDI-X function for all wired Ethernet ports.
- Provides IEEE 802.11a/b/g/n wireless LAN capability.
- Support DHCP (Server/Client) for easy IP-address setup.
- Allows you to monitor the access point's status: DHCP Client Log, System Log, Security Log and Device/Connection

SYSTEM REQUIREMENTS

- Computer or network device(s) 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, Mozilla Firefox web browser or Safari web browser).
- An available AC power socket (100 – 240 V, 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) UTP Port x 5

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

Antenna: 3dBi Dual Band Fixed Dipole Antenna x 3 (3T3R for 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

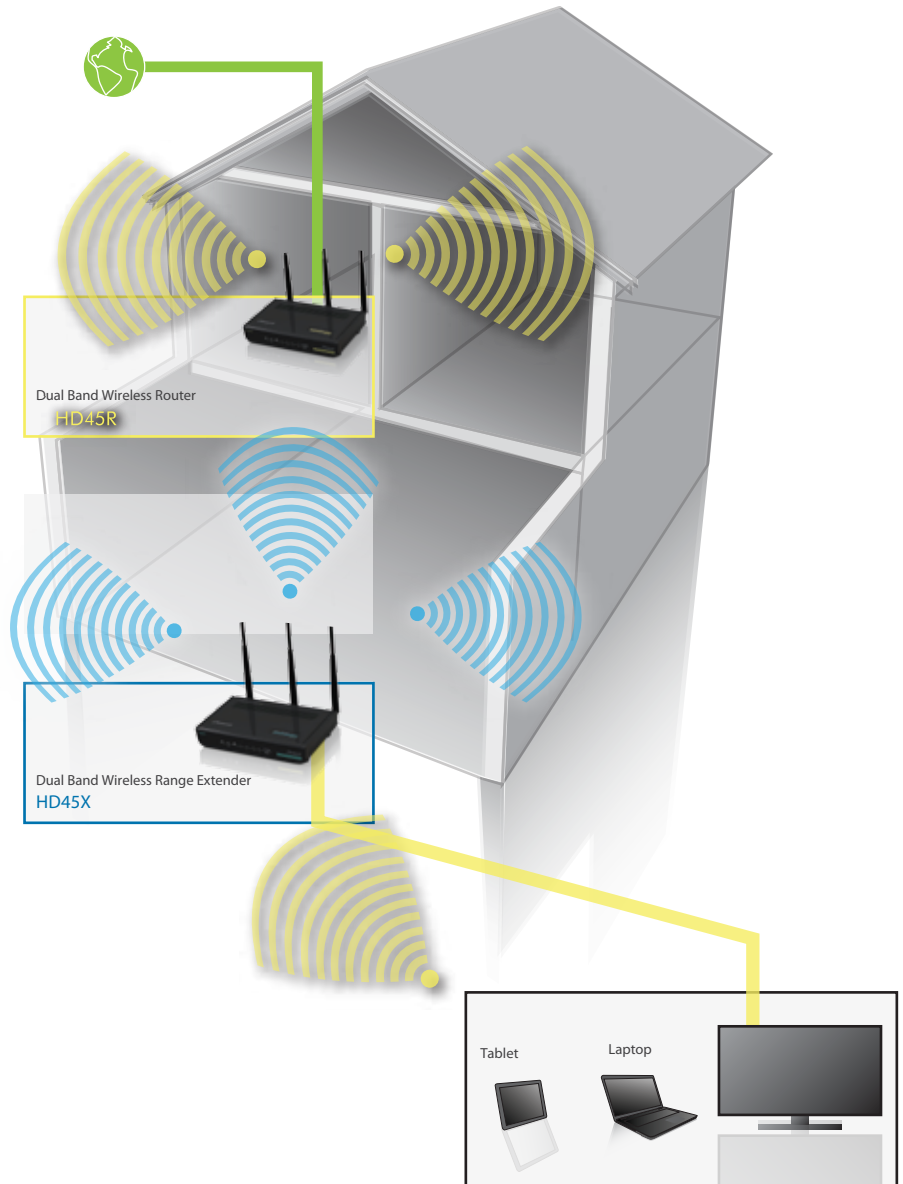
Dimension: 32(H) x 180(W) x 118(D) mm

Operating Temperature: 0~40C

Storage: -20~60C

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

Storage: Max.95% (Non Condensing)



HI GAIN DUAL BAND COLOR CODE		
Routers/Adapters	Wireless Bridges	Range Extenders and Repeaters