

Hi-Gain™ Wireless-AC Wall Plug Multi-Function Extender

MODEL: **HW7ACW**

Wireless-AC



PACKAGE CONTENTS:

- One Wireless-AC Multi-Function Extender
- One CD (Contains Product Information)
- One Quick Installation Guide

FEATURES:

- Sleek and compact design with integrated AC adapter
- Three different modes compatible with Wireless-AC:
Access Point, Repeater, and Bridge
- Hassle-free install using a tablet, smartphone, Mac or Windows computer - no driver or CD is required

Increase your Range up to 200%

This range extender allows you to repeat and rebroadcast 5GHz AC wireless 802.11 a/n/ac OR 2.4GHz 802.11 b/g/n signals from any wireless access point or wireless router. Most standard wireless routers have a maximum range of about 200 feet. Connection quality and speed diminish past this 200 foot radius. Anywhere outside the coverage zone will have slow and unstable connections, or even no connection at all. *By adding the HW7ACW to your wireless network, you are doubling the coverage area and improving the overall wireless connection. Even better, it will do this for BOTH your existing 2.4GHz and 5GHz signals!*

With built-in Wireless-AC capabilities, the HW7ACW supports the IEEE 802.11 a/n/ac and is backwards compatible with the IEEE 802.11 b/g/n wireless network standards. All computers and wireless-enabled network devices (including tablets, smartphones, ultrabooks, smart tvs, etc.) can connect to this wireless extender without additional cabling. 802.11 ac wireless capability also gives you the highest wireless speeds. With 5.0GHz compatible wireless devices, you can match transfer speeds of up to 750Mbps!

Wireless AC

Standard Wireless AC dictates that the tradeoff for superfast AC speeds is a proportional decrease in wireless range. Hawking Technology has developed this device to provide the same super speeds typical of Wireless AC, but also provide Range Extender technology in a power source-integrated design. Use this device with any combination of our Wireless AC products, even with the devices you already have, and increase your overall wireless network quality.

Seamless Roaming

Seamless Roaming is a unique feature that mirrors existing network settings for ultimate mobility with all your Wi-Fi devices. It allows your Wi-Fi devices to connect and roam freely. Place the HW7ACW within your existing network to expand the wireless coverage throughout your home and office. Eliminate slow network connections due to poor wireless coverage.

Three Easy and Selectable Wireless Modes

The HW7ACW Wireless-AC Multifunction Extender is designed with three powerful wireless operating modes: Range Extender, Access Point, and Bridge. In Range Extender (Repeater) mode, the HW7ACW repeats wireless signals from any access point or router. Access Point mode, the HW7ACW converts a wired network to a wireless network. In Bridge mode, the HW7ACW consolidates all your wired devices and connect them to your wireless network. Simply select your chosen mode and plug the extender into an available power outlet. You can then navigate to our configuration page with your computer, smartphone or tablet with our hassle-free installation feature. The HW7ACW is quick and easy to install using any Wi-Fi enabled device (i.e. tablet, smartphone, Mac or Windows computer)

Hassle-free Installation

The HW7ACW is quick and easy to install using any Wi-Fi enabled device (i.e. tablet, smartphone, Mac or Windows computer). Hassle-free means, there is no Ethernet cable or CD required for the installation. Simply power up the unit, use a Wi-Fi enabled device, and log into the set up page. This installation feature lets you configure and set up the HW7ACW within minutes.

Sleek Form Factor with Built-in Wall Plug

The Wireless-AC Multifunction Extender's slim design provides a sleek alternative to bulky networking devices that clutter your space with multiple wires and plugs. Since the extender has an integrated AC adapter, you'll never lose your power supply cables or leave your transformers and wires susceptible to damage. With HW7ACW's available Ethernet port, your wired device can be plugged directly into your extender, perfect for your gaming consoles that are just out of reach from an Ethernet wall jack. Exterior mode switch provides enhanced flexibility when setting up your device and allows you to quickly customize the device according to your environment needs. Front facing Wi-Fi LED lights provide maximum visibility for setup and evaluates the Wi-Fi strength of that location. The external WPS button allows users to instantly activate the HW7ACW for secure setup.



SPECIFICATIONS

Main Chipset: Mediatek
MT7620A + MT7610E
Flash + SDRAM: 4MB Flash +
64MD DDRAM II
Ethernet Port: 10/100 UTP Port x
1 (Auto MDI/MDI-X) for LAN

Data Rate

11a: 6/9/12/24/36/48/54Mbps
11b: 1/2/5.5/11Mbps
11g: 6/9/12/24/36/48/54 Mbps
11n (20MHz): MCS0-07, up to 144Mbps
11n (40MHz): MCS0-07, up to 300Mbps
11ac (80MHz): VHTMCS0-9, up to 433Mbps

Output Power 2.4GHz

11b (11M): 17±1.5dBm
11g (54M): 15±1.5dBm
11n (20MHz, MCS7): 14±1.5dBm
11n (40MHz, MCS7): 14±1.5dBm

Output Power 5.0 GHz

11a (54M): 14±1.5dBm
11n (20M, MCS7): 13±1.5dBm
11n (40M, MCS7): 13±1.5dBm
11ac (80MHz, VHTMCS9): 13±1.5dBm

Receiving Sensitivity 2.4GHz

11b (11M): -86±2dBm
11g (54M): -72±2dBm
11n (20MHz, MCS7): -71±2dBm
11n (40MHz, MCS7): -69±2dBm

Receiving Sensitivity 5.0 GHz

11a (54M): -75±2dBm
11n (20M, MCS7): -72±2dBm
11n (40M, MCS7): -69±2dBm
11ac (80MHz, VHTMCS9): -63±2dBm

Physical Specifications

Antenna: 2 Internal (2.4GHz x 2T2R, 5GHz x 1T1R)
LEDs: Wireless Signal, WLAN, Power, WPS, LAN
Dimension: 2.3(H) x 3.6(W) x 1.6(D) inches
(excluding power plug)
Weight: 0.18 lb (2.9 oz)
Power Module: 5V, 1.2A Power Module Inside
Color: Black
Material: ABS, UV resistant
Temperature: 32~104°F (Operating)
-4~140°F (Storage)
Humidity: 10~90% (Non-condensing)(Operating)
Max. 95% (Non-condensing)(Storage)

Certifications: CE, FCC

SYSTEM REQUIREMENTS

- A wired or wireless network device, smartphone, tablet, Windows or Mac computer
- Access to a wireless internet connection
- A web browser Internet Explorer 6+, Safari, or equivalent

All specifications are subject to change without prior notification.

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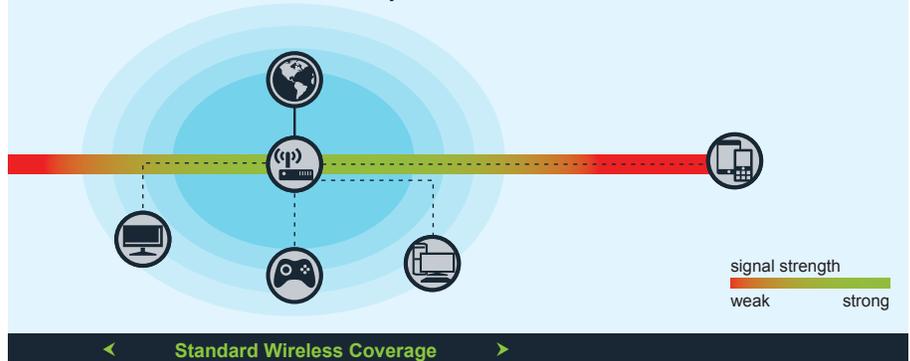
Technical Support

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HOW IT WORKS

A **common problem** with high performance wireless network is lack of coverage. Devices connect from anywhere outside the coverage area will result in slow and unstable connection, or even as major as no connection at all.



The **Range Extender** doubles the wireless coverage of your high performance wireless network. It reduces your wireless deadspots, provides extended coverage for outer devices. In addition, it stabilized your wireless connection for the slightly out of reach devices, such as improving the data transfer speed and reducing lag while streaming or downloading multimedia content (video, music, etc.).



HASSLE-FREE INSTALLATION



The HW7ACW is quick and easy to install using a Wi-Fi enabled device (i.e. tablet, smartphone, Mac or Windows computer). Hassle-free means there is no Ethernet cable or CD required for the installation. Simply power up the unit, use your chosen Wi-Fi enabled device, and log into the setup page!