

WCB5000

**802.11ac WIRELESS NETWORK EXTENDER
WITH MoCA, GIGABIT ETHERNET**

Actiontec®



Model# WCB5000

Blazing Fast 802.11ac WiFi Speeds Everywhere in the House

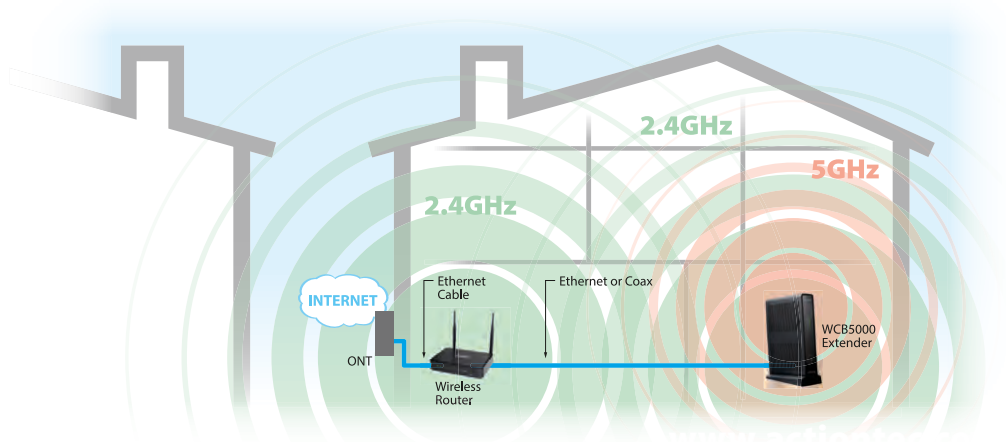
Tired of dead spots in your home's wireless network? Is your living room too far from your router for streaming video? There's an easy way to get the high-performance wireless network you want. With the WCB5000 Wireless Network Extender, you can extend the range of your WiFi network to the far corners of your home. And with next generation 802.11ac speeds and MoCA 2.0, the WCB5000 doesn't just extend your existing network, it turbo-charges it.

Next Generation 802.11ac Speeds

Don't have a wireless router that supports high-speed 802.11ac yet? No problem. The WCB5000 extender adds 802.11ac to your network, delivering wireless speeds up to 4 times faster than your wireless N network. With a total WiFi throughput up to 1.2 Gbps*, the WCB5000 lets you stream HD-quality video and play online games without any glitches or lag. It's one of the most cost-effective ways to upgrade your network to next generation technology without replacing your router.

Works over the Coax Wiring Already in your Home

With MoCA technology, your home's existing coaxial wiring is instantly converted into an Ethernet network that delivers high speed Internet access to the many devices in your home. The result is a powerful whole-home network and the benefits of a wired connection, without having to run new Ethernet cables through the walls.



2.4GHz & 5 GHz



Simultaneous Dual-Band 2.4GHz and 5GHz 11ac Radios

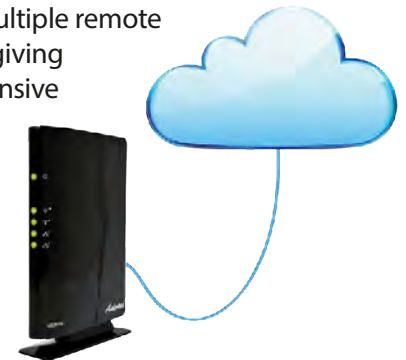
The WCB5000 features dual bands, meaning it can transmit on both the 5 GHz and the 2.4 GHz wireless bands simultaneously. You can use either the 2.4 GHz or 5 GHz band for web browsing, over the top video streaming and high data transfer. Most importantly, the WCB5000 ensures all your wireless devices will connect to the right band for the fastest speeds and best performance possible.

The Most User-Friendly Wireless Extender on the Market

The WCB5000 takes all the complexity out of setting up an extender in the home network. Simply connect the wireless extender to an Ethernet or coax port in the home: The Actiontec gateway automatically passes all of the wireless settings to configure the adapter in seconds, alternatively it can be configured by WPS or the TR-069 Remote Management System. You won't need to configure a thing. And the WCB5000 uses the same WiFi network settings as the router, including the SSID, so devices can seamlessly roam between areas without having to connect to a new network.

Remote Management via TR-069, TR-106, TR-111 & TR-181

The extender supports multiple remote management standards, giving service providers the extensive visibility and control over the WCB5000 as well as other customer premise equipment.



Features

- Fast 802.11ac/n Wi-Fi wherever you need it
- Upgrade to 802.11ac speeds without replacing your router
- Dual band concurrent radio for wireless throughput up to 1.2 Gbps
 - 2x2 MIMO 802.11ac 5 GHz solution
 - 2x2 2.4 GHz radio
- MoCA 2.0
- Four Gigabit Ethernet Ports
- Operates in 5GHz band for video streaming and high data transfer
- Seamless Setup Options
 - Auto sync with Wireless Router/Gateway for zero configuration
 - AP/Client mode operation
 - TR-069 Controlled Setup
 - WPS
- Easy to use and subscriber self-install
- Full TR-069 with remote firmware upgrade and diagnostic capabilities
- WPA2, WPA security with AES encryption
- Wi-Fi Protected Setup (WPS)

Specifications

Protocol/Standards/Support

- Wireless IEEE 802.11ac
- Wireless IEEE 802.11n
- Wireless IEEE 802.11 a/b/g
- Ethernet IEEE 802.3/802.3u/802.3ab 10/100/1000 Base-T
- MoCA 1.0/1.1/2.0

Wireless

- 802.11 a/b/g/n/11ac
- 2x2 internal antenna 2.4 GHz
- 2x2 internal antenna 5 GHz
- Wireless 2.4 GHz and 5 GHz Dual Concurrent Radios
- Wi-Fi Multimedia (WMM), WMM Power Save (WMM-PS)

Wireless Operating Channels

- 5 GHz UNII Bands (5.15-5.35 GHz, 5.470-5.725 GHz and 5.725-5.850 GHz bands)
- 20 and 40 MHz Supported
- 80 MHz Supported in 5GHz only

Data Rate

- Up to 450 Mbps MoCA
- Up to 1 Gbps Ethernet
- Up to 300 Mbps Wireless 2.4 GHz
- Up to 866 Mbps Wireless 5 GHz

Wireless Security

- Wi-Fi Protected Access (WPA, WPA2)
- Wi-Fi Protected Setup (WPS)
 - WPS Push Button
 - WPS PIN
 - Auto Configuration with Residential Gateway
- Pre-Shared Key (PSK)
- MAC Address Filtering
- AES Encryption

Device Management

- Password-protected access
- Statistics logging and reporting
- Remote Management: TR-069, TR-106, TR-111, TR-181
- Local Management: WebUI, CLI (Telnet)

Hardware

- Flash Memory 16 MB
- SDRAM 64 MB
- LAN Interfaces
 - Four 10/100/1000 Ethernet
 - MoCA
 - One Coaxial Jack
 - Network Size: 16 Devices
 - Network Password Protected
 - Backwards Compatible with MoCA 1.0/1.1

Physical Specifications

- LED Indicators
 - 1 Power
 - 2 Wireless
 - 1 LAN (Ethernet)
 - 1 MoCA
 - 1 WPS Button and LED
- External Connectors
 - 4 RJ-45
 - 1 DC Power Input
 - 1 Factory Default Reset Button

Regulatory Approvals

- FCC 15B, 15C
- UL

Power Requirements

- Voltage: 12 VDC
- Maximum Current: 2A
- Energy Efficiency and Power Management Improvements

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- Maximum wireless signal rate derived from IEEE Standard 802.11g, 802.11n and 802.11ac specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction and network overhead lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.
- Actiontec makes no express or implied representations or warranties about this product's compatibility with any future standards.
- Product photo may differ from actual product, however functionality remains as stated above.
- Specifications are subject to change without notice.

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