

HELIOS-EX HIGHPOWER™ AC2200 WI-FI® RANGE EXTENDER

TRI-BAND WITH DIRECTLINK™

The **HELIOS-EX** is a powerful tri-band range extender. A powerful Quad-Core ARM Processor, 12 high power amplifiers, and 4 total high gain antennas, deliver up to 12,000 square feet of additional Wi-Fi coverage. DirectLink technology creates a dedicated 5GHz link to the home network, freeing up the remaining two bands, resulting in up to 2X the speed of other extenders. This tri-band extender makes lag and buffering things of the past. The HELIOS-EX also features cutting edge MU-MIMO technology that enables multiple devices to receive data at once, granting uninterrupted streaming for all. Get rid of your Wi-Fi dead zones, stream movies and shows with ease, and be free with your mobile devices. Whole-home Wi-Fi coverage is here, with the HELIOS-EX.



HOW IT WORKS

The **HELIOS-EX** expands the range of any Wi-Fi router by repeating its signal and redistributing it in a new, extended location at unprecedented speeds.



UP TO **12,000** SQ FT*

KEY FEATURES



Up to 12,000 Sq Ft of Coverage
Bring long range, reliable Wi-Fi to your entire home or office



Tri-Band with DirectLink™
Streamline Wi-Fi traffic and increase speeds by up to 2X⁵



Eliminate Wi-Fi Dead Spots
Amplify Wi-Fi to the max with 14 amplifiers and 4 high gain antennas



AC2600 Wi-Fi Speeds
Speeds up to: 2.4GHz 399Mbps, 5GHz (1) 866Mbps + 5GHz (2) 866Mbps²



MU-MIMO Technology
Deliver data to multiple devices at once for a boost in performance and speed⁴



Wi-Fi Coverage Control
Adjust the distance of your extended Wi-Fi network for more control



Guest Networks & User Access
Create up to 8 networks for guests and restrict access to specific users



AirPlay®, AirPrint™, & Home Sharing
Compatible with all Apple networking features



Share Files with USB 3.0
Attach a USB drive* to instantly share files, locally, at blazing-fast speeds
* USB Storage device not included.

TRI-BAND TECHNOLOGY

- 5GHz DirectLink Band - Dedicated link to the home network delivering up to 2X the speed of other extenders⁵
- 5GHz Band (Extended Network) - Great for movies, streaming and gaming
- 2.4GHz Band (Extended Network) - Great for browsing and emailing



HIGH POWER TECHNOLOGY

- 2 x 2.4GHz High Power Amplifiers
- 2 x 2.4GHz Signal Reception Amplifiers
- 4 x 5GHz High Power Amplifiers
- 4 x 5GHz Signal Reception Amplifiers
- High Gain Internal Antenna



- 3 x High Gain 5dBi External Antennas

PRODUCT COMPARISON

ARTEMIS-EX High Power
AC1300 Range Extender
RE1300M

TITAN-EX High Power
AC1900 Range Extender
RE1900A

HELIOS-EX High Power
AC2200 Range Extender
RE2200T

ATHENA-EX High Power
AC2600 Range Extender
RE2600M

SPEED PERFORMANCE

AC1300 Dual Band N+AC Speeds	●			
AC1900 Dual Band N+AC Speeds		●		
AC2200 Tri-Band N+AC Speeds			●	
AC2600 Dual Band N+AC Speeds				●

OUTPUT POWER / COVERAGE

Up to 800mW 12,000 sq ft	●		●	
Up to 800mW 14,000 sq ft		●		
Up to 800mW 15,000 sq ft				●

ANTENNAS

External Detachable	●	●	●	●
Dual Band	●	●	●	●
4 Antenna Technology		●		●

KEY FEATURES

Tri-Band DirectLink™ Technology			●	
Signal Strength LED	●	●	●	●
Works with All Routers ³	●	●	●	●
Gigabit Wired Ports	5	5	5	4
Dual-Core Processor		●		●
Quad-Core Processor	●		●	
USB 2.0 Storage		●		●
USB 3.0 Storage	●	●	●	●

TECHNICAL SPECIFICATIONS

Frequency Bands: 2.4GHz/5GHz 802.11a/b/g/n/ac

Wireless Speed: 2.4GHz 399Mbps, 5GHz (1) 866Mbps, 5GHz (2) 866Mbps

Processor: Quad-Core

Memory: 128MB DDR3

Amplifiers: 2 x 2.4GHz Amplifiers, 4 x 5GHz Amplifiers

2 x 2.4GHz Low Noise Amplifiers, 4 x 5GHz Low Noise Amplifiers

Antennas: 3 x Detachable High Gain 5dBi Antennas

1 x Internal High Gain Antenna

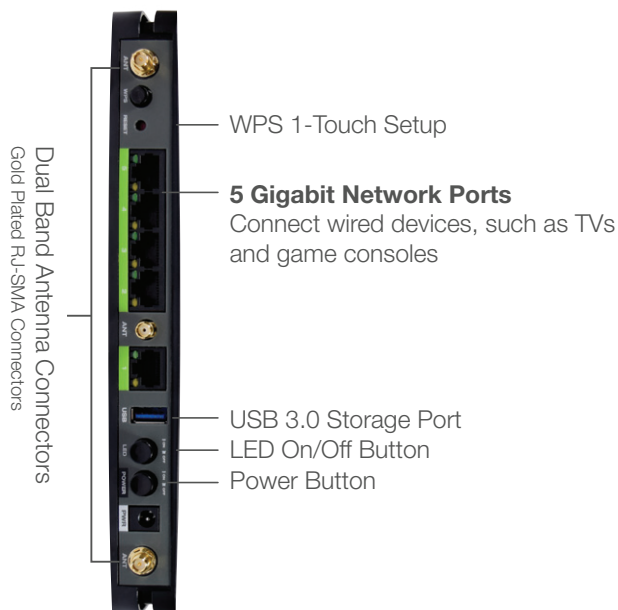
Ports: 5 x RJ-45 10/100/1000M (LAN), 1 x USB 3.0 Port

PACKAGE CONTENTS

- **HELIOS-EX** High Power AC2200 Tri-Band Wi-Fi Range Extender with DirectLink
- 3 x Detachable High Gain Dual Band Antennas
- Power Adapter (100-240v)
- Setup Guide

SYSTEM REQUIREMENTS

- 2.4GHz or 5GHz 802.11a/b/g/n or ac Wi-Fi Network
- Computer, tablet or smartphone with a web browser



Designed by Amped Wireless in the USA

Amped Wireless
13089 Peyton Dr. #C307
Chino Hills, CA 91709
1(888) 573-8830

amped | wireless
www.ampedwireless.com

Specifications are subject to change without notice.

¹ Range specifications are based on performance test results. Actual performance may vary due to differences in operating environments, building materials and wireless obstructions. Performance may increase or decrease over the stated specification. Wireless coverage claims are used only as a reference and are not guaranteed as each wireless network is uniquely different. Maximum wireless signal rate derived from IEEE 802.11 standard specifications. Actual data throughput may vary as a result of network conditions and environmental factors. Output power specifications are based on the maximum possible radio output power plus antenna gain. May not work with non-standard Wi-Fi devices such as those with proprietary software or drivers. Supports all Wi-Fi standards that are compatible or backwards compatible with 802.11a/b/g/n/ac Wi-Fi standards.

² All transmission rates listed, for example 399Mbps for 2.4GHz, 866Mbps for 5GHz (1), and 866Mbps for 5GHz (2), are the physical data rates. Actual data throughput will be lower and may depend on external factors as well as the combination of devices connected to the router. AC2200 wireless speeds are achieved when connecting to other AC1200 capable devices.

³ May not work with non-standard Wi-Fi routers or routers with altered firmware or proprietary firmware, such as those from third party sources or some Internet service providers. May not work with routers that do not comply with IEEE or Wi-Fi standards.

⁴ For MU-MIMO to work, additional MU-MIMO capable devices must be connected to the network. For the latest MU-MIMO functionality, a firmware upgrade may be required.

⁵ DirectLink requires a 5GHz connection to the home network. DirectLink achieves up to 2X the speed by using a full duplex connection versus traditional half duplex connections of standard Wi-Fi extenders. Increase in speed is achieved when compared with similar AC1200 extenders.

AirPlay, AirPrint, Home Sharing are either registered trademarks or trademarks of Apple Inc. Wi-Fi, Wi-Fi Protected Setup, and WPA2 are either registered trademarks or trademarks of the Wi-Fi Alliance.