AX1500 Wireless Dual-Band Gigabit Router

Model: MR60X

Highlights

- 1.5 Gbps Wi-Fi 6 Speed -1201 Mbps + 300 Mbps Dual-Band Speed†
- 4× More Capacity - Connect more Wi-Fi devices with OFDMA and MU-MIMO‡
- Broader Wi-Fi Coverage - Four powerful high-gain antennas with Beamforming
- Gigabit Wired Connections - Full Gigabit Ports for PCs, IPTVs, and Game Consoles

Applications

Ideal for large homes with multiple rooms and multiple users

Ideal for average Internet users seeking fast downloads, seamless streaming audio, uninterrupted streaming video, and lag-free online gaming

Features

Parental Controls
Establish appropriate policies to protect children with responsible, safe internet access

Guest Network
Provides a separate network for guests to ensure your security and privacy

Quality of Service
Prioritizes devices you select to perform better

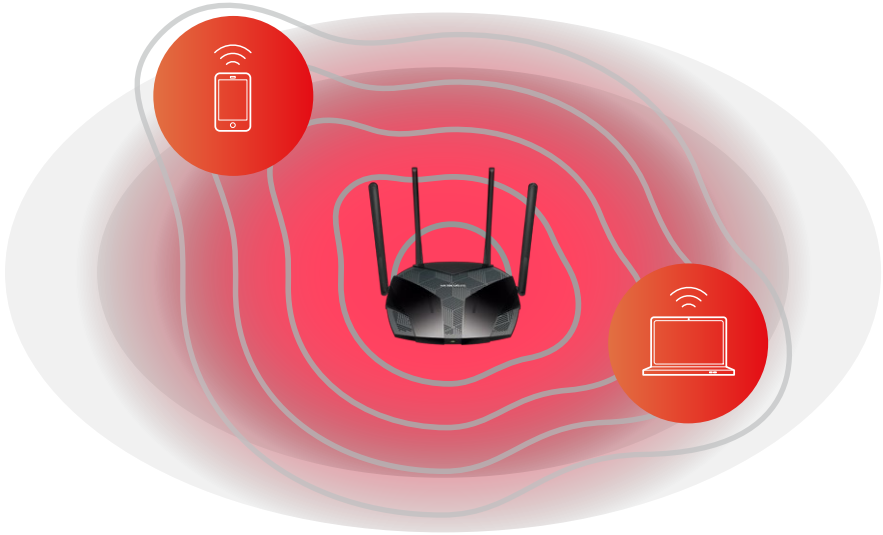
Smart Connect
Intelligently chooses the best available band for each device

IPTV Supported
Supports IGMP Proxy/Snooping, Bridge, and Tag VLAN to optimize IPTV streaming

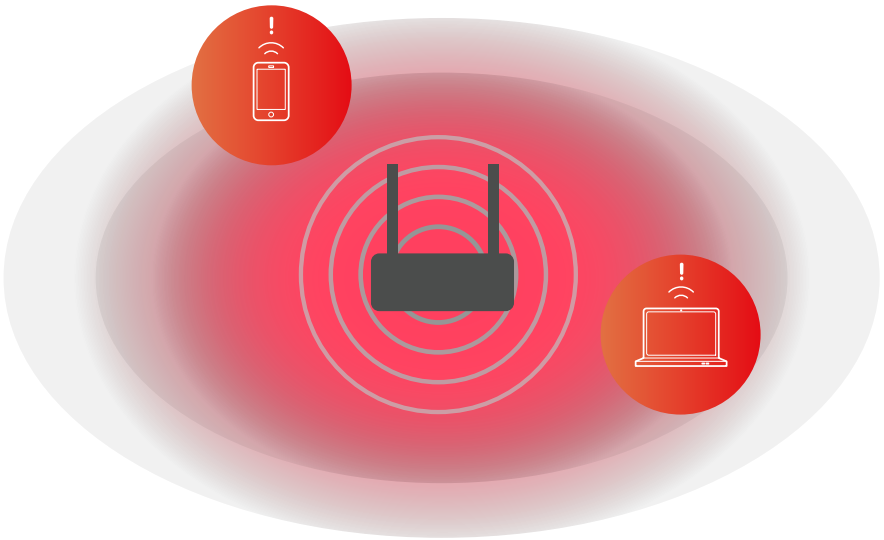
IPv6 Supported
Allows you to enjoy IPv6 services provided by your ISP and visit IPv6 websites

Immerse Your Home in Wi-Fi

Four powerful high-gain antennas armed with advanced wireless technology provide strong signals throughout your home. Beamforming detects your connected devices and concentrates wireless signal strength towards them, making your connections more stable.



MR60X
with Beamforming



Regular Router
without Beamforming

More Streams, More Devices, More Fun

With uplink/downlink MU-MIMO and OFDMA, MR60X transmits data to and from multiple devices at the same time, reaching up to 4× more capacity, greatly increasing your devices' transmission efficiency and the throughput of the whole network under the same conditions.[§]

Less Wi-Fi Interference

BSS Color marks the data frames from different APs which helps minimize the signal interference from your neighbors to improve transmission efficiency.[‡]

Eco-Friendly Power Saving

Target Wake Time reduces power consumption for your mobile and IoT devices during data transmissions to extend battery life.[‡]

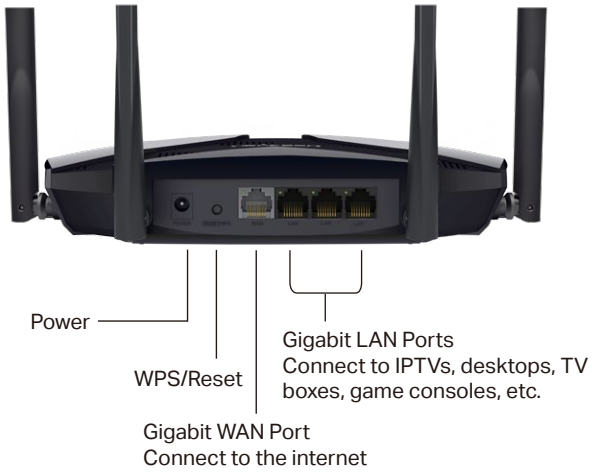
Overall Security Protection

The latest security standard, WPA3, provides improved comprehensive Wi-Fi protection to defend your devices and privacy information against brute-force attacks.[△]

Specifications

Hardware

Ports
1× Gigabit WAN Port + 3× Gigabit LAN Ports
Button
Reset/WPS Button
Dimensions (W x D x H)
8.2 × 6.8 × 1.6 in
(208.8 × 171.6 × 41.7 mm)
Antennas
4× 5 dBi Fixed Omni-Directional Antennas



Wireless

Wireless
1201 Mbps (5 GHz) + 300 Mbps (2.4 GHz), compatible with 11ax/ac/a/b/g/n Wi-Fi standards
• OFDMA: Allows simultaneous data transmission to and from several devices sharing one band, satisfying high network capacity demands‡
• MU-MIMO: Transfers data to more devices simultaneously, improving overall network efficiency‡
• 1024-QAM: Packs more effective data at once to achieve a 1.25× speed increase over 802.11ac 256-QAM‡
• Long OFDM Symbol: Delivers 4× more data subcarriers to increase range, stability, and speed‡
• Target Wake Time (TWT): Reduces power consumption for your mobile and IoT devices during data transmissions‡
• BSS Color: Minimizes interference from neighboring signals to improve transmission efficiency‡

EIRP
2.4 GHz < 20dBm (EIRP)
5 GHz < 23dBm (EIRP)
Reception Sensitivity
11g 6Mbps: -96dBm
11g 54Mbps: -78dBm
11n HT40 MCS7:-74dBm
11n HT20 MCS7:-77dBm
11a 6Mbps:-94dBm
11a 54Mbps:-76dBm
11ac VHT20 MCS8:-71dBm
11ac VHT40 MCS8:-68dBm
11ac VHT80 MCS8:-65dBm
Wireless Function
Enable/Disable Wireless Radio, WMM
Security Features
• Guest Network Access
• Firewall Protection
• Wireless Security: WPA-PSK / WPA2-PSK / WPA3 wireless encryption
• VPN Support: OpenVPN, PPTP supported

Specifications

Software

WAN Type
Dynamic IP/Static IP/PPPoE/L2TP/PPTP
DHCP
Server, DHCP Client List
NAT Forwarding
Port Forwarding, Port Triggering, UPnP, DMZ
Management
Access Control
Local Management
Remote Management
Firewall Security
SPI Firewall, IP and MAC Address Binding
Guest Network
2.4 GHz Guest Network, 5 GHz Guest Network

Others

Package Contents
- AX1500 Wireless Dual-Band Gigabit Router MR60X
- Power Adapter
- Quick Installation Guide
- RJ45 Ethernet Cable

Environment
- Operating Temperature: 0°C~40°C (32°F~104°F)
- Operating Humidity: 10%~90% Non-Condensing
- Storage Humidity: 5%~90% Non-Condensing

†Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput, wireless coverage, and number of connected devices are not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.
‡Use of 802.11ax (Wi-Fi 6), and features including OFDMA, MU-MIMO, 1024-QAM, BSS Color, and Target Wake Time requires clients to also support the corresponding features. Actual power reduction by Target Wake Time may vary as a result of network conditions, client limitations, and environmental factors.
§The 802.11ax white paper defines standardized modifications to both the IEEE 802.11 physical layers (PHY) and the IEEE 802.11 Medium Access Control (MAC) layer as enabling at least one mode of operation capable of supporting improvement of at least four times the average throughput per station (measured at the MAC data service access point) in a dense deployment scenario.
△Use of WPA3 requires clients to also support WPA3.
*This router may not support all the mandatory features as ratified in Draft 3.0 of IEEE 802.11AX specifications.
**Further software upgrades for feature availability may be required.