



N300 Wireless Home Router

TEW-731BR (V1.0R)

TRENDnet's N300 Wireless Home Router, model TEW-731BR, provides enhanced 300Mbps wireless n speed and coverage to share files, play games, and stream video wirelessly.

Advanced encryption protects your wireless network, Access Control tools help block unwanted Websites and unknown users, and embedded GREENnet technology reduces power consumption by up to 50%.

Advanced Multiple Input Multiple Output (MIMO) antenna technology reduces wireless dead spots. Wi-Fi Protected Setup (WPS) connects other WPS supported wireless adapters at the touch of a button. WMM® Quality of Service (QoS) technology prioritizes gaming, Internet calls, and video streams. LEDs on the front of the router convey device status. Network wired devices to the four Fast Ethernet ports on the back of the router.

FEATURES

- 4 x 10/100Mbps Auto-MDIX LAN ports
- 1 x 10/100Mbps Auto-MDIX WAN port (Internet)
- One touch wireless connection to wireless clients using the WPS button
- Wi-Fi compliant with IEEE 802.11n and IEEE 802.11b/g standards
- High-speed data rates of up to 300Mbps with IEEE 802.11n*
- GREENnet technology reduces power consumption by up to 50%
- Compatible with most popular cable/DSL Internet service providers using Dynamic/Static IP, PPPoE, PPTP and L2TP protocols
- 2 fixed external antennas support high speed performance and great coverage with MIMO technology
- Firewall features Network Address Translation (NAT)
- Virtual server and Application Level Gateway (ALG) services for special Internet applications
- Universal Plug and Play (UPnP) for auto discovery and support for device configuration of Internet applications
- Dynamic DNS Client for dynamic Internet IP resolution
- Provides additional security with Internet Access Control (MAC Address, Domain, and IP Filtering)
- Static and Dynamic RIP V1/2 routing support
- Easy setup via Web browser using Internet Explorer 6.0 or above, Firefox 2.0 or above, Chrome, Opera, Safari
- Advanced wireless security of up to WPA2-RADIUS
- Wi-Fi Multimedia (WMM) Quality of Service (QoS) data prioritization
- Indoor coverage up to 100 meters (330ft.)* depending on the environment
- Outdoor coverage up to 300 meters (980ft.)* depending on the environment
- 3- year limited warranty

*Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions.

SPECIFICATIONS

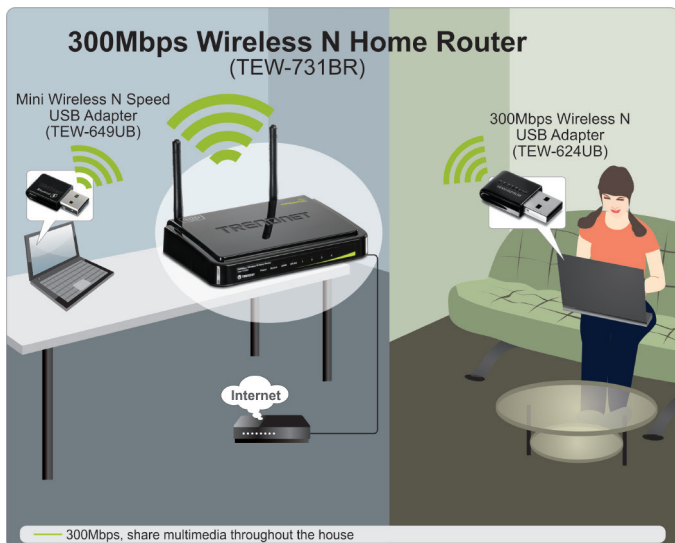
HARDWARE

Standards	• IEEE 802.3 (10BASE-T), IEEE 802.3u (100BASE-TX), IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.3az
WAN	• 1 x 10/100Mbps Auto-MDIX port (Internet)
LAN	• 4 x 10/100Mbps Auto-MDIX ports
WPS Button	• Enables Wi-Fi Protected Setup (WPS) function (Hold for 3 seconds)
Power Switch	• On/Off power switch
Connection Type	• Dynamic IP, Static (fixed) IP, PPPoE, PPTP, L2TP
Supported Web Browsers	• Internet Explorer 6.0 or above, Firefox 2.0 or above, Chrome, Opera, Safari
Internet Access Control	• MAC Address Filter, Domain/URL Filter, Protocol/IP Filter, Virtual Server, DMZ host, UPnP, PPTP/L2TP/IPsec VPN pass through
Management/ Monitoring	• Local/remote configuration, upgrade firmware, Backup/Restore configuration via Web browser, Internal System Log, Syslog, E-Mail Logging, SNMPv1/v2c, Ping Test Tool, Dynamic DNS
Routing	• Static and Dynamic RIPv1/2
LED Indicators	• Power, Status, LAN1~LAN4, WAN, WLAN
Power	• Input: 100~240V AC, 50~60Hz • Output: 5V DC, 1A
Power Consumption	• 3.0 Watts (max)
Dimension (L x W x H)	• 158 x 109 x 34 mm (6.2 x 4.3 x 1.3 in)
Weight	• 210 g (7.4oz)
Temperature	• Operation: 0°~ 40°C (32°F~ 104°F) • Storage: -10°~ 70°C (14°F~158°F)
Humidity	• Max. 90% (non-condensing)
Certifications	• CE, FCC

WIRELESS

Frequency	• 2.412~2.484GHz band
Antenna	• 2 x 2dBi fixed dipole antennas
Modulation	• 802.11b: CCK (11 and 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps) • 802.11g: OFDM with BPSK, QPSK and 16/64-QAM • 802.11n: BPSK, QPSK, 16QAM, 64QAM with OFDM
Media Access Protocol	• CSMA/CA with ACK
Data Rate	• 802.11b: Up to 11Mbps • 802.11g: Up to 54Mbps • 802.11n: Up to 300Mbps
Security	• 64/128-bit WEP (HEX/ASCII), WPA/WPA2-RADIUS, WPA/WPA2-PSK
Output Power	• 802.11b: 15dBm (typical) @ 11Mbps • 802.11g: 15dBm (typical) @ 54Mbps • 802.11n: 13dBm (typical) @ 300Mbps
Receiving Sensitivity	• 802.11b: -85dBm (typical) @ 11Mbps • 802.11g: -68dBm (typical) @ 54Mbps • 802.11n: -62dBm (typical) @ 300Mbps
Channels	• 1~ 11 (FCC), 1~13 (ETSI)

NETWORKING SOLUTIONS



PACKAGE CONTENTS

TEW-731BR

Multi-Language Quick Installation Guide

CD-ROM (User's Guide)

Power adapter (5V DC, 1A)

Network cable (1.5 m / 5 ft.)

RELATED PRODUCTS

TEW-647GA	300Mbps Wireless N Gaming Adapter
TEW-640MB	300Mbps Wireless N 4-Port Media Bridge
TEW-624UB	300Mbps Wireless N USB Adapter

CONTACT INFORMATION

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