# N300 Wireless Home Router
## TEW-731BR (v2.0R)

- Proven 300 Mbps Wireless N
- Pre-encrypted wireless for your convenience
- One touch network connection with the WPS button
- Energy saving GREENnet technology

TRENDnet's N300 Wireless Home Router, model TEW-731BR, offers proven 300 Mbps wireless n networking to share files, play games, and surf the internet. Embedded GREENnet technology reduces power consumption by up to 50%. For your convenience the wireless network is setup and pre-encrypted out of the box.

## Ease of Use

**Easy Setup**
Get up and running in minutes with the intuitive guided setup

**One Touch Connection**
Securely connect to the router at the touch of the Wi-Fi Protected Setup (WPS) button

## Access Control

**Pre-Encrypted**
For your convenience the wireless network is pre-encrypted with its own unique password

**Parental Controls**
Control access to specific websites and manage which devices can access the router

## Performance

**N300 Wireless**
Proven 300 Mbps Wireless N

**Ethernet Ports**
Ethernet ports to hardwire up to four devices

**Wireless Coverage**
Whole home wireless coverage with MIMO antenna technology for average size homes

**Energy Savings**
Embedded GREENnet technology reduces power consumption by up to 50%

**IPv6**
IPv6 network support

## Networking Solution

Surfing

Music

E-mail

Wireless N

300 Mbps

Computer    Internet    Power

# Specifications

## Standards

- IEEE 802.3
- IEEE 802.3x
- IEEE 802.3u
- IEEE 802.3az
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n (2.4 GHz up to 300 Mbps)

## Hardware Interface

- 4 x 10/100 Mbps LAN ports
- 1 x 10/100 Mbps WAN port
- WPS button
- Reset button
- LED indicators

## Special Features

- Dynamic DNS support for dyn.com, no-ip.com, and easydns.com
- Multi-Language interface: English, Spanish, German, Russian
- Pre-encrypted wireless network

## Access Control

- Wireless encryption: WEP, WPA/WPA2-PSK, WPA/WPA2-RADIUS
- Firewall: NAT, SPI, Virtual Server, Special Applications, DMZ Host, PPTP/L2TP/IPsec VPN Passthrough, Multicast Passthrough, allow/deny ping request from internet
- Parental (Access) Controls: MAC, URL, IP Filter

## Quality of Service

- WMM

## Internet Connection Types

- Dynamic IP (DHCP)
- Static IP (Fixed)
- PPPoE (Dynamic IP/Static IP)
- PPTP (Dynamic IP/Static IP)

- L2TP(Dynamic IP/Static IP)
- Russia PPPoE (Dynamic IP/Static IP)
- Russia PPTP (Dynamic IP/Static IP)
- Russia L2TP (Dynamic IP/Static IP)
- IPv6 (Static, Auto-configuration (SLAAC/DHCPv6), Link-Local, PPPoE, 6to4)

## Management/Monitoring

- Local/remote web based management
- Upgrade firmware
- Backup/restore configuration
- Logging – internal/syslog/email
- Reboot
- Restore to factory defaults
- Ping test

## Routing

- Static
- Dynamic (RIP v1/2)

## Frequency

- 2.412 - 2.484 GHz

## Modulation

- 802.11b: CCK (11 Mbps & 5.5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
- 802.11g: OFDM with BPSK, QPSK and 16/64-QAM
- 802.11n: BPSK, QPSK, 16-QAM, 64-QAM with OFDM

## Media Access Protocol

- CSMA/CA with ACK

## Antenna Gain

- 2 x 2 dBi external dipole

## Wireless Output Power

- 802.11b: FCC: 16 dBm (max.), ETSI: 17 dBm (max.) @ 11 Mbps
- 802.11g: FCC: 16 dBm (max.), ETSI: 17 dBm (max.) @ 54 Mbps

- 802.11n: FCC: 15 dBm (max.), ETSI: 14 dBm (max.) @ 300 Mbps

## Receiving Sensitivity

- 802.11b: -86 dBm (typical) @ 11 Mbps
- 802.11g: -74 dBm (typical) @ 54 Mbps
- 802.11n: -67 dBm (typical) @ 300 Mbps

## Wireless Channels

- FCC: 1-11
- ETSI: 1-13

## Power

- Input: 100 – 240 V AC, 50 - 60 Hz, 0.19 A
- Output: 5 V DC, 1 A external power adapter
- Consumption: 3.2 Watts (max.)

## Operating Temperature

- 0 – 40 °C (32 – 104 °F)

## Operating Humidity

- Max. 95% non-condensing

## Certifications

- CE
- FCC

## Dimensions

- 158 x 109 x 34 mm (6.2 x 4.3 x 1.3 in.)

## Weight

- 194 g (6.8 oz.)

## Warranty

- 3 year limited

## Package Contents

- TEW-731BR
- Multi-Language Quick Installation Guide
- CD-ROM (User's Guide)
- Network cable (1.5 m/5 ft.)
- Power adapter (5 V DC, 1 A)

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