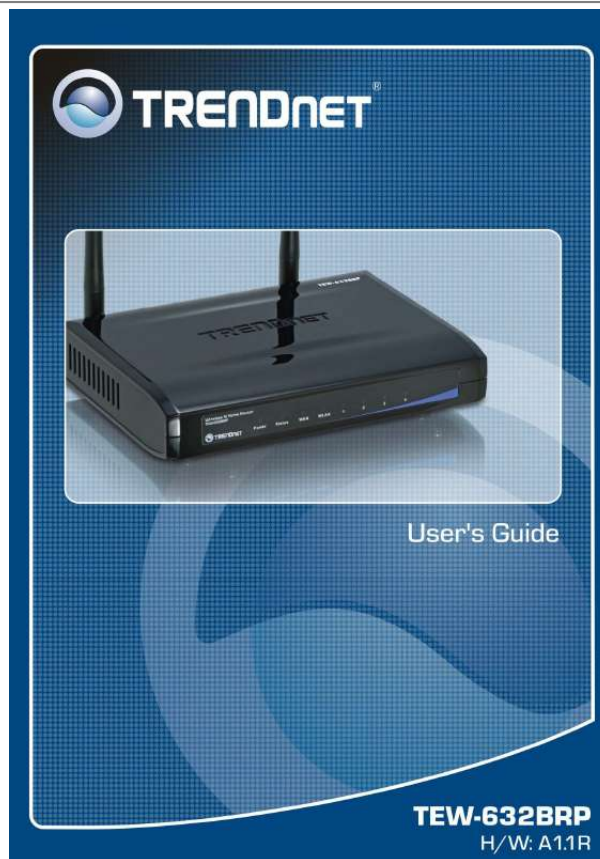




# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for TRENDNET TEW-632BRP. You'll find the answers to all your questions on the TRENDNET TEW-632BRP in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual TRENDNET TEW-632BRP**  
**User guide TRENDNET TEW-632BRP**  
**Operating instructions TRENDNET TEW-632BRP**  
**Instructions for use TRENDNET TEW-632BRP**  
**Instruction manual TRENDNET TEW-632BRP**



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*4 HARDWARE INSTALLATION.....*

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51 TECHNICAL SPECIFICATIONS .....

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..... 52 ABOUT THIS GUIDE Congratulations on your purchase of this IEEE 802.11b/g/n Wireless Broadband Router.

*This integrated access device combines Internet gateway functions with wireless LAN and Fast Ethernet switch. It provides a complete solution for Internet surfing and office resource sharing, and it is easy to configure and operate for every user. Purpose This manual discusses how to install the IEEE 802.11b/g/n Wireless Home Router. Terms/Usage In this guide, the term "the WLAN Router" refers to your IEEE 802.11b/g/n Wireless Home Router. Overview of this User's Guide Introduction. Describes the IEEE 802.11b/g/n Wireless Home Router and its features. Unpacking and Setup. Helps you get started with the basic installation of the IEEE 802.11b/g/n Wireless Home Router. Identifying External Components. Describes the front panel, rear panel and LED indicators of the IEEE 802.11b/g/n Wireless Home Router. Connecting the WLAN Router. Tells how you can connect the IEEE 802.11b/g/n Wireless Home Router to your xDSL/Cable Modem. Technical Specifications. Lists the technical (general, physical and environmental, performance and Routers settings) specifications of the IEEE 802.11b/g/n Wireless Home Router.*



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*Note: Run the CD and follow the steps in the Quick Installation Guide first to setup your router. If you still have problems after doing so then proceed to the following paragraphs to install the router with web-based configuration.*

**1 INTRODUCTION** With the explosive growth of the Internet, accessing information and services at any time, day or night has become a standard requirement for most people. The era of the standalone PC is waning. Networking technology is moving out of the exclusive domain of corporations and into homes with at least two computers. This integrated access device combines Internet gateway functions with wireless LAN and Fast Ethernet switch. Designed for the business and home, it saves you the cost of installing a separate modem and ISP line for each computer, while providing ready connection for the users, with or without the network wires. Broadband network access is also gaining ground. However, allowing more than two computers to access the Internet at the same time means less affordable, higher costs.

Thus, there is a need to share one public IP address over a single Internet connection to link the home with the Internet. The scarcity of IP addresses and using a shared Internet connection through an Internet sharing device can solve high network access costs. All linked computers can make full use of broadband capabilities over such a device. This device not only comes equipped with a wide range of features, but also can be installed and configured right out of the box. This device supports a simple local area network and Internet access share, offering great cost savings. The local area network connects home computers while also allowing any of the computers to access the Internet, share resources, or play online games--the basis of the family computing lifestyle. Applications: Broadband Internet access: Several computers can share one high-speed broadband connection through wireless or wired (WLAN, LAN and WAN-Internet). Resource sharing: Share resources such as printers, scanners and other peripherals. File sharing: Exchange data, messages, and distribute files thus making good use of hard disk space. Online gaming: Through the local area network, online gaming and e-commerce services can be easily setup. Firewall: A built-in firewall function -- for security and anti-hacking systems. Supported Features: High speed data transfer rate NAT for sharing 1 IP address to all LAN/WLAN users. PPPoE and PPTP protocol for Dial-Up ADSL. 64/128 bit WEP Encryption WPA-PSK, WPA2-PSK, WPA, WPA2 security DHCP Server / Client. UPnP (Universal Plug and Play).

WPS (Wi-Fi Protected Setup) Virtual Server mapping. MAC filtering. Protocol/IP filtering Domain/URL filtering DDNS Upgradeable firmware for future function. Simple installation using Setup Wizard. Easy configuration via Web Browser.

**UNPACKING AND SETUP** This chapter provides unpacking and setup information for the IEEE 802.11b/g/n Wireless Home Router. Unpacking Open the box of the WLAN Router and carefully unpack it. The box should contain the following items: TEW-632BRP Wireless N Home Router Easy Go Installation CD Multi-Language Quick Installation Guide 2 x 2dBi gain dipole antenna External power adapter 1.5m (5ft) Cat.5 Ethernet Cable If any item is found missing or damaged, please contact your local reseller for replacement. Setup The setup of the WLAN Router can be performed properly using the following methods: The power outlet should be within 1.82 meters (6 feet) of the Broadband Router. Visually inspect the DC power jack and make sure that it is fully secured to the power adapter. Make sure that there is proper heat dissipation and adequate ventilation around the Broadband Router.

Do not place heavy objects on the Broadband Router. Fix the direction of the antennas. Try to place the Wireless Router in a position that can best cover your wireless network. Normally, the higher you place the antenna, the better the performance will be. The antenna's position enhances the receiving sensitivity.

**4 HARDWARE INSTALLATION Front Panel** The figure below shows the front panel of the IEEE 802.11b/g/n Wireless Home Router. Front Panel POWER This indicator lights green when the hub is receives power, otherwise it is off. SYSTEM This indicator blinking green means the WLAN Router is working successfully. Otherwise, this indicator always on or off means the function of the WLAN Router has failed.

WAN (Link/ACT) The indicators light green when the WAN port is connected to a xDSL/Cable modem successfully. The indicators blink green while the WAN port was transmitting or receiving data from the xDSL/Cable modem. WLAN (ACT) This indicator lights green when there are wireless devices connected and transmitting data to the WLAN Router. LAN (Link/ACT) These indicators light green when the LAN ports were connected successfully. These indicators blinking green while the LAN ports were accessing data.

**5 Rear Panel** The figure below shows the rear panel of the IEEE 802.11b/g/n Wireless Home Router. Rear Panel Antenna There are two 2dBi gain antennas on the rear panel for wireless connection. LAN (1-4) Four RJ-45 10/100Mbps Auto-MDIX ports for connecting to either 10Mbps or 100Mbps Ethernet connections. WAN In the four port broadband Router, there is an RJ-45 10/100Mbps Auto-MDIX port for the WAN that connects to the xDSL/Cable modem for Internet connectivity.

POWER Plug the power adapter to this power jack RESET Use a pin-shaped item to push to reset this device to factory default settings. It will be a useful tool when the manager forgot the password to login, and needs to restore the device back to default settings. Side Panel The figure below shows the side panel of the IEEE 802.11b/g/n Wireless Home Router. WPS (side panel) Push this button to execute the Wi-Fi Protected Setup process. Hardware connections Connecting the WLAN Router 1. Plug in one end of the network cable to the WAN port of the WLAN Router. 2. Plug in the other end of the network cable to the Ethernet port of the xDSL or Cable modem. 3.

Use another network cable to connect to the Ethernet card on the computer system; the other end of the cable connects to the LAN port of the WLAN Router. Since the IEEE 802.11b/g/n Wireless Home Router has four ports, you can connect up to four computers directly to the unit. Then you do not have to buy a switch to connect these computers since one WLAN Router functions both as a connection-sharing unit and as a switch. Check the installation The control LEDs of the WLAN Router are clearly visible and the status of the network link can be seen instantly: 1. With the power source on, once the device is connected to the broadband modem, the Power, System, LAN, WLAN and WAN port LEDs of the WLAN Router will light up indicating a normal status. 2. When the WAN Port is connected to the ADSL/Cable modem, the WAN LED will light up. 3. When the LAN Port is connected to the computer system, the LAN LED will light up.

PC NETWORK TCP/IP SETTING The network TCP/IP settings differ based on the computer's operating system (Win95/98/ME/NT/2000/XP) and are as follows.



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Windows 95/98/ME 1. Click on the "Network neighborhood" icon found on the desktop. 2. Click the right mouse button and a context menu will be show. 3. Select "Properties" to enter the TCP/IP setting screen. 4. Select "Obtain an IP address automatically" on the "IP address" field. 5. Select "Disable DNS" in the "DNS" field. 9 6. Select "None" for the "Gateway address" field. Windows 2000 Double click on the "My Computer" icon on the desktop. When "My Computer" window opens, open the "Control Panel" and then open the "Network dialup connection" applet. Double click on the "Local area network connection" icon. Select "Properties" to enter the TCP/IP setting window. 1. In the "Local area network status" window, click on "Properties."

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In the "Local area network connection" window, first select TCP/IP setting and then select "Properties." 3. Set both "IP address" and "DNS" to Automatic configuration. Windows XP / Vista Point the cursor and click the right button on the "My Network Place" icon. Select "properties" to enter the TCP/IP setting window. 1. Set "IP address" to "Obtain an IP address automatically." 2. Set "DNS" to "Obtain DNS server address automatically." CONFIGURATION First make sure that the network connections are functioning normally.

This WLAN Router can be configured using Internet Explorer 5.0 or newer web browser versions. Login to the WLAN Router through Wireless LAN Before configuring the WLAN Router through WLAN, make sure that the SSID, Channel and the WEP is set properly. The default setting of the WLAN Router that you will use: SSID: TRENDnet Channel: 6 Security: disable Login to the WLAN Router Before you configure this device, note that when the WLAN Router, make sure the host PC must be set on the IP subnet that can be accessed by the xDSL/Cable modem. For example, when the default network address of the xDSL/Cable modem Ethernet interface is 192.

168.10.x, then the host PC should be set at 192.168.10.

xxx (where xxx is a number between 2 and 254), and the default subnet mask is 255.255.255.0. Using the Web Browser 1. Open Internet Explorer 5.0 or above Internet browser. 2. Enter IP address http://192.168.

10.1 (the factory-default IP address setting) to the URL web address location. 3. When the following dialog box appears, enter the user name and password to login to the main configuration window, the default username and password is "admin". 12 Setup Wizard Setup wizard is provided as part of the web configuration utility. User can simply follow the step-by-step process to get the wireless Router configuration ready to run in 6 easy steps by clicking on `the "Wizard" button on the function menu. The following screen will appear. Please click "Next" to continue. Step 1: Set your new password Setting the new admin password of the WLAN Router. Please click "Next" to continue.

Step 2: Choose time zone Select the time zone from the drop down list. Please click "Next" to continue. Step 3: Set LAN connection and DHCP server Set user's IP address and mask. The default IP is 192.168.

10.1. If the user chooses to enable DHCP, please click "Enable". DHCP enabled is able to automatically assign IP addresses. Please assign the range of IP addresses in the fields of "Range start" and "Range end".

Please click "Next" to continue. Step 4: Set Internet connection The WLAN Router will attempt to auto detect your Internet Connection. Obtain IP automatically (DHCP client): If the user has enabled DHCP server, choose "Obtain IP automatically (DHCP client)" to have the WLAN Router assign IP addresses automatically. Fixed IP Address: If the Internet Service Provider (ISP) assigns a fixed IP address, choose this option and enter the assigned WAN IP Address, WAN Subnet Mask, WAN Gateway Address and DNS Server Addresses for the WLAN Router. PPPoE to obtain IP automatically: If connected to the Internet using a PPPoE (Dial-up xDSL) connection, and the ISP provides a User Name and Password, then choose this option and enter the required information. PPPoE with a fixed IP address: If connected to the Internet using a PPPoE (Dial-up xDSL) connection, and the ISP provides a User Name, Password and a Fixed IP Address, choose this option and enter the required information. PPTP: If connected to the Internet using a PPTP xDSL connection, enter your IP, Subnet Mask, Gateway, Server IP, PPTP Account and PPTP Password. L2TP: If connected to the Internet using a L2TP (Dial-up xDSL) connection and the ISP provides a Server IP, Account and Password information, choose this option and enter the required information. Big Pond Cable(Australia): If your ISP is Big Pond Cable, the ISP will provide a User Name, Password, Authentication Server and Login Server IP (Optional). Choose this option and enter the required information.

Step 5: Set Wireless LAN connection Click "Enable" to enable Wireless LAN. If user enables the Wireless LAN, type the SSID in the text box and select a communications channel. @@The new settings will be effective after the WLAN Router restarts. Please click "Restart" to reboot the WLAN Router.

@@@The host name is required by some ISPs. @@The default IP address is 192.168.10.1. @@The default subnet mask is 255.255.255.0. @@DHCP is enabled by default. @@@@This item is optional.

@@@@@User's ISP will provide with this information. DNS 1/2: Type up to three DNS numbers in the text boxes. User's ISP will provide this information. @@@@The password must be typed again for confirmation. @@User: Type the password the User will use to log in to the system.

@@Time Zone: Select the time zone from the drop-down list. @@Automatic: Automatically adjust the system time from NTP Server. @@@Specify the NTP domain name or IP address in the text box. Set the time: Manually setting the WLAN Router system time, press the Set Time button to update the system time. Daylight Saving: Enables users to enable or disable daylight saving time. When enabled, select the start and end date for daylight saving time. Dynamic DNS This synchronizes the DDNS server with your current Public IP address when you are online. First, you need to register your preferred DNS with the DDNS provider. Then, please select the DDNS address in the Server Address and fill the related information in the below fields: Host Name, User Name and Password. Wireless This section enables users to configuration the wireless communications parameters for the WLAN Router.

Basic This page allow user to enable and disable the wireless LAN function, create a SSID, and select the channel for wireless communications.

Enable/Disable: Enables or disables wireless LAN via the WLAN Router.



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**SSID:** Type an SSID in the text box. The SSID of any wireless device must match the SSID typed here in order for the wireless device to access the LAN and WAN via the WLAN Router. **Channel:** Select a transmission channel for wireless communications. The channel of any wireless device must match the channel selected here in order for the wireless device to access the LAN and WAN via the WLAN Router. **802.11 Mode:** Select one of the following: **Mixed 802.11g and 802.11g** - Select if you are using both 802.

**11b and 802.11n wireless clients. Mixed 802.11n, 802.11b, and 802.**

**11g** - Select if you are using a mix of 802.11n, 11g, and 11b wireless clients. **Channel Width:** Select the Channel Width: **Auto 20/40** - Select if you are using both 802.11n and non-802.11n wireless devices.

**20MHz** - This is the default setting with single channel support required by Wi-Fi regulations. **SSID Broadcast:** While SSID Broadcast is enabled, all wireless clients will be able to view the WLAN Router's SSID. For security purposes, users may want to disable SSID Broadcast to ensure only authorized clients have access. **Security Authentication Type:** The authentication type default is set to open system. There are four options: **Disabled, WEP, WPA, WPA2 and WPA-Auto.** **WEP Encryption WEP:** Open System and Shared Key requires the user to set a WEP key to exchange data with other wireless clients that have the same WEP key.. **Mode:** Select the key type: **ASCII or HEX WEP Key:** Select the level of encryption from the drop-down list. The WLAN Router supports, 64 and 128-bit encryption. **Key 1 ~ Key 4:** Enables users to create up to 4 different WEP keys.

Manually enter a set of values for each key. Select a key to use by clicking the radio button next to the key. **WPA/WPA2/WPA-Auto Security** If WPA, WPA2 or WPA-Auto EAP is selected, the above screen is shown. Please set the length of the encryption key and the parameters for the RADIUS server. **Cipher Type:** Select the cipher type for TKIP or AES encryption, Selected Auto for auto detects the cipher type. **RADIUS Server:** 1. Enter the IP address, Port used and Shared Secret by the Primary Radius Server. 2. Enter the IP address, Port used and Shared Secret by the Secondary Radius Server. (optional) **WPA-PSK/WPA2-PSK Security** If WPA, WPA2 or WPA-Auto PSK is selected.

**Cipher Type:** Select the cipher type for TKIP or AES encryption, Selected Auto for auto detects the cipher type. **Password:** The length should be 8 characters at least. **Advanced** This screen enables users to configure advanced wireless functions. **Beacon Interval:** Type the beacon interval in the text box. User can specify a value from 25 to 1000.

The default beacon interval is 100. **RTS Threshold:** Type the RTS (Request-To-Send) threshold in the text box. This value stabilizes data flow. If data flow is irregular, choose values between 256 and 2346 until data flow is normalized. **Fragmentation Threshold:** Type the fragmentation threshold in the text box.

If packet transfer error rates are high, choose values between 1500 and 2346 until packet transfer rates are minimized. (NOTE: set this fragmentation threshold value may diminish system performance.) **DTIM Interval:** Type a DTIM (Delivery Traffic Indication Message) interval in the text box. User can specify a value between 1 and 255. The default value is 1. **Wi-Fi Protected Setup** This screen enables users to configure the Wi-Fi Protected Setup function.

**WPS:** Enable or Disable the WPS (Wi-Fi Protected Setup) function **Status:** Display the state (Un-configured State/Configured State) information of WPS. **Self-PIN Number:** Display the default PIN number of WLAN Router. **Client PIN Number:** Type Client PIN number the client uses to negotiate with WLAN Router via WPS protocol. It is only used when users want their station to join Router's network.

**Push Button Configuration:** Clicking this button will invoke the Push Button Configuration (PBC) method of WPS. It is only used when WLAN Router acts as a Registrar. **Status** This selection enables users to view the status of the WLAN Router LAN, WAN and Wireless connections, and view logs and statistics pertaining to connections and packet transfers. **Device Information** This screen enables users to view the WLAN Router's LAN, Wireless and WAN configurations. **Firmware Version:** Displays the latest build of the WLAN Router firmware interface. After updating the firmware in Tools - Firmware, check this to ensure that the firmware was successfully updated. **WAN:** This section displays the WAN interface configuration including the MAC address, Connection status, DHCP client status, IP address, Subnet mask, Default gateway, and DNS. **Wireless:** This section displays the wireless configuration information, including the MAC address, the Connection status, SSID, Channel and Authentication type. **LAN:** This section displays the LAN interface configuration including the MAC address, IP Address, Subnet Mask, and DHCP Server Status. Click "DHCP Table" to view a list of client stations currently connected to the WLAN Router LAN interface.

Click "DHCP Release" to release all IP addresses assigned to client stations connected to the WAN via the WLAN Router. Click "DHCP Renew" to reassign IP addresses to client stations connected to the WAN. **Log** This screen enables users to view a running log of Router system statistics, events, and activities. The log displays up to 200 entries. Older entries are overwritten by new entries.

The Log screen commands are as follows: Click "First Page" to view the first page of the log Click "Last Page" to view the final page of the log Click "Previous Page" to view the page just before the current page Click "Next Page" to view the page just after the current page Click "Clear Log" to delete the contents of the log and begin a new log Click "Refresh" to renew log statistics **Time:** Displays the time and date that the log entry was created. **Message:** Displays summary information about the log entry. **Log Setting** This screen enables users to set Router Log parameters. **SMTP Authentication:** Selected the Enabled if the SMTP server need for authentication, fill in account name and password in SMTP Account field and SMTP Password field. **SMTP Account:** If the SMTP Authentication enabled, fill in the SMTP account name here.

**SMTP Password:** If the SMTP Authentication enabled, fill in the password of the SMTP account here. **SMTP Server:** Type your SMTP server address here. **Send to:** Type an email address for the log to be sent to. Click "Email Log Now" to immediately send the current log. **Syslog Server:** Type the IP address of the Syslog Server if user wants the WLAN Router to listen and receive incoming Syslog messages. **Log Type:** Enables users to select what items will be included in the log: **System Activity:** Displays information related to WLAN Router operation. **Debug Information:** Displays information related to errors and system malfunctions. **Attacks:** Displays information about any malicious activity on the network.



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*Dropped Packets: Displays information about packets that have not been transferred successfully. Notice: Displays important notices by the system administrator.*

*Statistic This screen displays a table that shows the rate of packet transmission via the WLAN Router's LAN, Wireless and WAN ports (in bytes per second). Click "Reset" to erase all statistics and begin logging statistics again. Wireless This screen enables users to view information about wireless devices that are connected to the WLAN Router. Connected Time: Displays how long the wireless client has been connected to the WLAN Router. MAC Address: Displays the wireless client's MAC address. Routing This selection enables users to set how the WLAN Router forwards data: Static and Dynamic. Routing Table enables users to view the information created by the WLAN Router that displays the network interconnection topology. Static It enables users to set parameters by which the WLAN Router forwards data to its destination if the network has a static IP address. Network Address: Type the static IP address the network uses to access the Internet. Contact the ISP or network administrator for this information.*

*Network Mask: Type the network (subnet) mask of the network. If this field is left blank, the network mask defaults to 255.255.255.0.*

*Contact the ISP or network administrator for this information. Gateway Address: Type the gateway address of the network. Contact the ISP or network administrator for this information. Interface: Select an interface, WAN or LAN, to connect to the Internet. Metric: Select which metric that the user wants to apply to this configuration.*

*Add: Click to add the configuration to the static IP address table at the bottom of the page. Update: Select one of the entries in the static IP address table at the bottom of the page, and after changing parameters, click "Update" to confirm the changes. Delete: Select one of the entries in the static IP address table at the bottom of the page and click "Delete" to remove the entry. New: Click "New" to clear the text boxes and add required information to create a new entry.*

*Dynamic This screen enables users to set NAT parameters. Transmit: Click the radio buttons to set the desired transmit parameters, Disabled, RIP 1, or RIP 2. Receive: Click the radio buttons to set the desired transmit parameters, Disabled, RIP 1, or RIP 2. Routing Table This screen enables users to view the routing table of the WLAN Router. The routing table is a database created by the WLAN Router that displays the network interconnection topology. Network Address: Displays the network IP address of the connected node.*

*Network Mask: Displays the network (subnet) mask of the connected node. Gateway Address: Displays the gateway address of the connected node. Interface: Displays whether the node is connected via a WAN or LAN. Metric: Displays the metric of the connected node. Type: Displays whether the node has a static or dynamic IP address Access This page enables you to define access restrictions, set up protocol and IP filters, create virtual servers, define access for special applications such as games, and set firewall rules. Filters Using filters to deny or allow the users to access. Five types of filters to select: MAC, URL blocking, IP, Protocol filter and Domain blocking. MAC Filters MAC Filter: Enables you to allow or deny Internet access to users within the LAN based upon the MAC address of their network interface. Click the radio button next to Disabled to disable the MAC filter. Disable: Disable the MAC filter function.*

*Allow: Only allow computers with MAC address listed in the MAC Table. Deny: Computers in the MAC Table are denied Internet access. MAC Table: Use this section to create a user profile which Internet access is denied or allowed. The user profiles are listed in the table at the bottom of the page. (Note: Click anywhere in the item.*

*Once the line is selected, the fields automatically load the item's parameters, which you can edit.) Name: Type the name of the user to be permitted/denied access. MAC Address: Type the MAC address of the user's network interface. Add: Click to add the user to the list at the bottom of the page. Update: Click to update information for the user, if you have changed any of the fields.*

*Delete: Select a user from the table at the bottom of the list and click Delete to remove the user profile. New: Click New to erase all fields and enter new information. Domain/URL Blocking You could specify the domains that allow users to access or deny by clicking one of the two items. Also, add the specified domains in the text box. Disable: Disable the Domain/URL Blocking function. Allow: Allow users to access all domains except "Domains List". Deny: Deny users to access all domains except "Domains List". Domains List: List Domain/URL you will Denied or Allowed. Add: Click to Add button to add domain to the Domains list. Delete: Select a Domain/URL from the table at the bottom of the list and click Delete to remove the Domain/URL.*

*IP Filters This screen enables you to define a minimum and maximum IP address range filter; all IP addresses falling within the range are not allowed Internet access. The IP filter profiles are listed in the table at the bottom of the page. (Note: Click anywhere in the item. Once the line is selected, the fields automatically load the item's parameters, which you can edit.) Enable: Click to enable or disable the IP address filter. Name: Type the name of the user to be denied access. Protocol: Select a protocol (TCP or UDP) to use for the virtual server. Port: Type the port range of the protocol. IP Range: Type the IP range. IP addresses falling between this value and the Range End are not allowed to access the Internet.*

*Add: Click to add the IP range to the table at the bottom of the screen. Update: Click to update information for the range if you have selected a list item and have made changes. Delete: Select a list item and click Delete to remove the item from the list. Cancel: Click the Cancel button to erase all fields and enter new information. Virtual Server This screen enables users to create a virtual server via the WLAN Router.*

*If the WLAN Router is set as a virtual server, remote users requesting Web or FTP services through the WAN are directed to local servers in the LAN. The WLAN Router redirects the request via the protocol and port numbers to the correct LAN server. The Virtual Sever profiles are listed in the table at the bottom of the page. Note: When selecting items in the table at the bottom, click anywhere in the item. The line is selected, and the fields automatically load the item's parameters, which user can edit.*

*Enable: Click to enable or disable the virtual server. Name: Type a descriptive name for the virtual server. Protocol: Select a protocol (TCP or UDP) to use for the virtual server. Private Port: Type the port number of the computer on the LAN that is being used to act as a virtual server.*



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**Public Port:** Type the port number on the WAN that will be used to provide access to the virtual server. **LAN Server:** Type the LAN IP address that will be assigned to the virtual server. **Add:** Click to add the virtual server to the table at the bottom of the screen. **Update:** Click to update information for the virtual server if the user has selected a listed item and has made changes. **Delete:** Select a listed item and click "Delete" to remove the item from the list. **Cancel:** Click Cancel button to erase all fields and enter new information.

**Special AP** This screen enables users to specify special applications, such as games which require multiple connections that are blocked by NAT. The special applications profiles are listed in the table at the bottom of the page. **Note:** When selecting items in the table at the bottom, click anywhere in the item. The line is selected, and the fields automatically load the item's parameters, which user can edit. **Enable:** Click to enable or disable the application profile. When enabled, users will be able to connect to the application via the WLAN Router's WAN connection. Click "Disabled" on a profile to prevent users from accessing the application on the WAN connection. **Name:** Type a descriptive name for the application. **Trigger:** Defines the outgoing communication that determines whether the user has legitimate access to the application. **Protocol:** Select the protocol (TCP, UDP, or ICMP) that can be used to access the application.

**Port Range:** Type the port range that can be used to access the application in the text boxes. **Incoming:** Defines which incoming communications users are permitted to connect with. **Protocol:** Select the protocol (TCP, UDP, or ICMP) that can be used by the incoming communication. **Port:** Type the port number that can be used for the incoming communication. **Add:** Click to add the special application profile to the table at the bottom of the screen.

**Update:** Click to update information for the special application if user have selected a list item and have made changes. **Delete:** Select a list item and click Delete to remove the item from the list. **Cancel:** Click Cancel button to erase all fields and enter new information. **DMZ** This screen enables users to create a DMZ for those computers that cannot access Internet applications properly through the WLAN Router and associated security settings. **Note:** Any clients added to the DMZ exposes the clients to security risks such as viruses and unauthorized access.

**Enable:** Click to enable or disable the DMZ. **DMZ Host IP:** Type a host IP address for the DMZ. The computer with this IP address acts as a DMZ host with unlimited Internet access. **Apply:** Click to save the settings. **Management Management** enables users to set up the Remote Management feature. **Remote Management** This screen enables users to set up remote management. Using remote management, the WLAN Router can be configured through the WAN via a Web browser. A user name and password are required to perform remote management. **HTTP:** Enables users to set up HTTP access for remote management.

**Allow to Ping WAN Port:** Type a range of Router IP addresses that can be pinged from remote locations **UPnP Enable:** UPnP is short for Universal Plug and Play that is a networking architecture that provides compatibility among networking equipment, software, and peripherals.

The WLAN Router is an UPnP-enabled Router and will only work with other UPnP devices/software. If user does not want to use the UPnP functionality, select "Disabled" to disable it. **PPTP:** Enables users to set up PPTP access for remote management. @@@@ Click "Load" to load the profile's settings. **Restore Factory Default Settings:** Click "Restore" to restore the default settings. All configuration changes will be lost. **Firmware** This screen enables users to keep the WLAN Router firmware up to date. Please follow the below instructions: Download the latest firmware from the manufacturer's Web site, and save it to disk. Click "Browse" and go to the location of the downloaded firmware file. Select the file and click "Upgrade" to update the firmware to the latest release.

**Ping Test** The ping test enables users to determine whether an IP address or host is present on the Internet. Type the host name or IP address in the text box and click Ping. **TECHNICAL SPECIFICATIONS** General Standards Protocol Radio Technology Data Transfer Rate IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.11n draft 2.

0; IEEE 802.11g; IEEE 802.11b CSMA/CD DSSS/OFDM 802.11n mode: up to 300Mbps (auto sense) 802.11g mode: up to 54Mbps (auto sense) 802.11b mode: up to 11Mbps (auto sense) Ethernet: 10Mbps (half duplex), 20Mbps (full-duplex) Fast Ethernet: 100Mbps (half duplex), 200Mbps (full-duplex) 802.11n: -70dBm typical @ 300Mbps 802.11g: -72dBm typical @ 54Mbps 802.11b: -84dBm typical @ 11Mbps 802.11n: 14dBm typical 802.11g: 15dBm typical 802.11b: 18dBm typical 10BASE-T: 2-pair UTP Cat. 3,4,5 (100 m), EIA/TIA- 568 100ohm STP (100 m) 100BASE-TX: 2-pair UTP Cat. 5 (100 m), EIA/TIA-568 100-ohm STP (100 m) 2412 ~ 2484 MHz ISM band DBPSK/DQPSK/CCK/OFDM 64/128-bits WEP Encryption; WPA, WPA-PSK, WPA2, WPA2PSK 1~11 Channels (US) 1~13 Channels (EU) LAN: 4 x 10/100Mbps Auto-MDIX Fast Ethernet port WAN: 1 x 10/100Mbps Auto-MDIX Fast Ethernet port Receiver Sensitivity TX Power Network Cables Frequency Range Modulation Schemes Security Channels Number of Ports Physical and Environmental DC inputs Power Consumption Temperature Humidity Dimensions EMI: 5VDC 2.5A 7W (Max) Operating: 0oC ~ 40o C, Storage: -10o ~ 70o C Operating: 10% ~ 90%, Storage: 5% ~ 90% 180 x 122 x 30 mm (6.

8 x 4.6 x 1.1 inches) CE, FCC 52 Limited Warranty TRENDnet warrants its products against defects in material and workmanship, under normal use and service, for the following lengths of time from the date of purchase. TEW-632BRP 3 Years If a product does not operate as warranted above during the applicable warranty period, TRENDnet shall, at its option and expense, repair the defective product or deliver to customer an equivalent product to replace the defective item. All products that are replaced will become the property of TRENDnet. Replacement products may be new or reconditioned. TRENDnet shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to TRENDnet pursuant to any warranty. There are no user serviceable parts inside the product. Do not remove or attempt to service the product through any unauthorized service center. This warranty is voided if (i) the product has been modified or repaired by any unauthorized service center, (ii) the product was subject to accident, abuse, or improper use (iii) the product was subject to conditions more severe than those specified in the manual. Warranty service may be obtained by contacting TRENDnet office within the applicable warranty period for a Return Material Authorization (RMA) number, accompanied by a copy of the dated proof of the purchase.



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