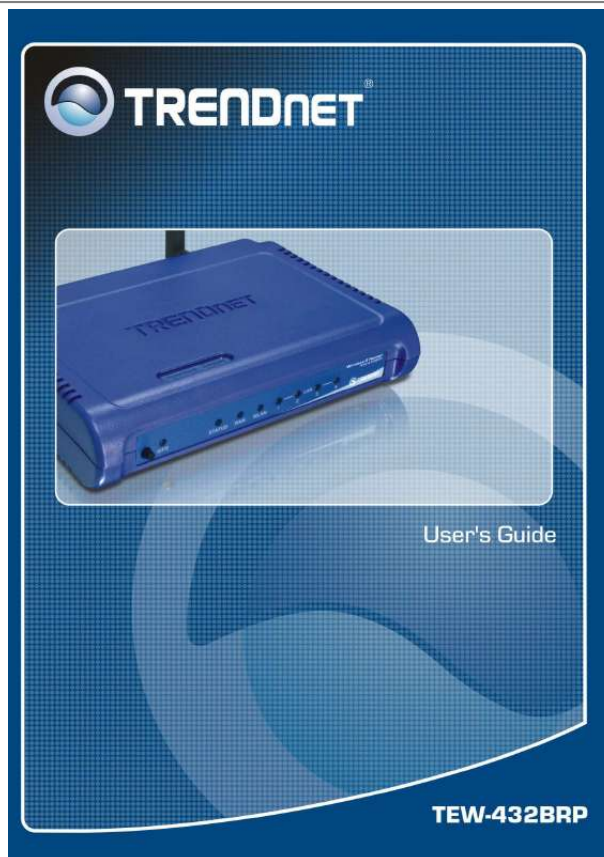




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for TRENDNET TEW-432BRP. You'll find the answers to all your questions on the TRENDNET TEW-432BRP 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-432BRP
User guide TRENDNET TEW-432BRP
Operating instructions TRENDNET TEW-432BRP
Instructions for use TRENDNET TEW-432BRP
Instruction manual TRENDNET TEW-432BRP



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... 1 Terms/Usage

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... 1 Overview of this User's Guide ..

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..... 12 Login to the WLAN Router through Wireless LAN

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.. 12 Login to the WLAN Router

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.. 12 Using the Web Browser ...

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... 58 TECHNICAL SPECIFICATIONS

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59 ABOUT THIS GUIDE Congratulations on your purchase of this IEEE 802.11g 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.

11g Wireless Broadband Router. Terms/Usage In this guide, the term "the WLAN Router" refers to your IEEE 802.11g Wireless Broadband Router. Overview of this User's Guide Introduction. Describes the IEEE 802.

11g Wireless Broadband Router and its features. Unpacking and Setup. Helps you get started with the basic installation of the IEEE 802.11g Wireless Broadband Router. Identifying External Components. Describes the front panel, rear panel and LED indicators of the IEEE 802.11g Wireless Broadband Router. Connecting the WLAN Router. Tells how you can connect the IEEE 802.11g Wireless Broadband Router to your xDSL/Cable Modem.

Technical Specifications. Lists the technical (general, physical and environmental, performance and Routers settings) specifications of the IEEE 802.



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11g Wireless Broadband Router. Note: Please run the CD-ROM 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). WMM (Wi-Fi Multimedia Quality of Service) WPS (Wi-Fi Protected Setup) Virtual Server mapping. Packet filtering. Protocol filtering Domain filtering DNS Simple Firewall protection.

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 802.11g Wireless Broadband Router. Unpacking Open the box of the WLAN Router and carefully unpack it. The box should contain the following items: One IEEE 802.11g Wireless Router One CD-ROM (User's Guide) One Multi-Language Quick Installation Guide One 2dBi gain dipole antenna One external power adapter 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 802.11g Wireless Router. Front Panel **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. **WPS** Push this button to execute the Wi-Fi protected Setup process. **5 Rear Panel** The figure below shows the rear panel of the IEEE 802.11g Wireless Router. Rear Panel **Antenna** There is one 2dBi gain antenna 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. **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 802.11g Wireless Broadband 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/Vista) 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.

8 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." 2. 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 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." Windows Vista Go to Start and select Control Panel, double click on Networking and Sharing center icon. 1.

Click on View Status and click on Properties button 2. Click on Internet Protocol Version 4(TCP/IPv4) option and click on Properties button 3. Set IP address and DNS to obtain information 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: Auto 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". 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 5 easy steps by clicking on `the "Wizard" button on the function menu.

The following screen will appear. Please click "Next" to continue. Step 1: Choose time zone Select the time zone from the drop down list. Please click "Next" to continue. Step 2: 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 3: Set Internet connection The WLAN Router will attempt to auto detect your Internet Connection. If the WLAN Router is unable to auto detect your Internet connection, you will need to manually select the Internet connection type: PPPoE to obtain IP automatically; PPPoE with a fixed IP address; PPTP. 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. Russian PPPoE: If your ISP is Russian PPPoE, the ISP will provide a User Name, Password, WAN Physical IP Address, WAN Physical Subnet Mask and WAN Physical Gateway IP Address. Choose this option and enter the required information.

Russian PPTP: If connected to the Internet using Russian PPTP xDSL connection, enter your IP, Subnet Mask, Gateway, Server IP, PPTP Account and PPTP Password. Russian L2TP: If connected to the Internet using Russian L2TP (Dial-up xDSL) connection and the ISP provides a Server IP, Account and Password information, choose this option and enter the required information. Step 4: 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 SSID and channel must be the same as wireless devices attempting to connect to the WLAN Router.

Step 6: Setup completed The Setup wizard is now completed. The new settings will be effective after the WLAN Router restarts. Please click "Restart" to reboot the WLAN Router. If user does not want to make any changes, please click "Exit" to quit without any changes. User also can go back to modify the setting by clicking "Back". Advanced configuration Main The screen enables users to configure the LAN & DHCP Server, set WAN parameters, create Administrator and User passwords, and set the local time, time zone, and dynamic DNS.



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LAN & DHCP Server This page allows the user to configure LAN and DHCP properties, such as the host name, IP address, subnet mask, and domain name. LAN and DHCP profiles are listed in the DHCP table at the bottom of the screen. Host Name: Type the host name in the text box. The host name is required by some ISPs.

The default host name is "TRENDnet" IP Address: This is the IP address of the WLAN Router. The default IP address is 192.168.10.1. Subnet Mask: Type the subnet mask for the WLAN Router in the text box. The default subnet mask is 255.255.255.0.

DHCP Server: Enables the DHCP server to allow the WLAN Router to automatically assign IP addresses to devices connecting to the LAN. DHCP is enabled by default. All DHCP client computers are listed in the table at the bottom of the screen, providing the host name, IP address, and MAC address of the client.

Start IP: Type an IP address to serve as the start of the IP range that DHCP will use to assign IP addresses to all LAN devices connected to the WLAN Router. End IP: Type an IP address to serve as the end of the IP range that DHCP will use to assign IP addresses to all LAN devices connected to the WLAN Router.

Domain Name: Select "Custom Domain Name" and enter a custom local domain name of the network in the text box. This item is optional and by default "Use ISP Domain Name" is selected. Lease Time: The lease time specifies the amount of connection time a network user be allowed with their current dynamic IP address. Static DHCP: This option enables users to statically assign IP address to LAN clients connected to the WLAN router. Name: Type the name of the LAN client that will be using the static IP address.

IP Address: Type an IP address to assign a LAN client. MAC Address: Enter the MAC address of the specific LAN client that will be using the IP address. Static DHCP List: List all static IP address assigned on the WLAN router. Dynamic DHCP List: List all assigned DHCP clients on the WLAN router. WAN This screen enables users to set up the WLAN Router WAN connection, specify the IP address for the WAN, add DNS numbers, and enter the MAC address. Connection Type: Select the connection type, either DHCP client, Fixed IP, PPPoE, PPTP, L2TP, BigPond Cable, Russian PPPoE, Russian PPTP or Russian L2TP from the drop-down list. WAN IP: Select whether user wants to specify an IP address manually, or want DHCP and to obtain an IP address automatically. When Specify IP is selected, type the IP address, subnet mask, and default gateway in the text boxes. User's ISP will provide with this information. DNS 1/2/3: Type up to three DNS numbers in the text boxes.

User's ISP will provide this information. MAC Address: If required by user's ISP, type the MAC address of the WLAN Router WAN interface in this field. Password This screen enables users to set administrative and user passwords. @@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. @@@@DDNS: Enable to allow WLAN router to allow DDNS service. Server Address: Select DDNS service on the pull down menu.

Host Name: Enter host name of DDNS serve being used. @@@@SSID: Type an SSID in the text box. @@Channel: Select a transmission channel for wireless communications. @@@@There are four options: Disabled, WEP, WPA, WPA2 and WPA-Auto. @@@@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. @@@@RADIUS Server: 1. @@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. @@Passphrase: 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 20 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. TX Rates (Mbps): Select one of the wireless communications transfer rates, measured in megabytes per second, based upon the speed of wireless adapters connected to the WLAN. Preamble Type: The usage of the preamble is to limit the packet size of the data to transmit. It is recommended to choose the short preamble when the link quality is bad, it is to prevent the wasting time of resending a long packet that is lost. 11g only mode: If Enable, only allow 802.

11g WLAN client communicate with this WLAN Router. WMM: If selected the Enable, the WMM (Wi-Fi Multimedia Quality of Service) feature will be enabled. Antenna Transmit Power: Adjust the power of the antenna transmission by selecting from the drop down list: full, half (-3dB), quarter (-6dB), eighth (-9dB) or min. 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 and press "Start PIN". 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.



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Click "DHCP Release" to release the IP addresses assigned to the WLAN router from your ISP. Click "DHCP Renew" to obtain a new IP address from your ISP. **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.

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. **Source:** Displays the data source. **Destination:** Displays the data destination. **Note:** Displays the IP address of the communication **Log Setting** This screen enables users to set Router Log parameters. **SMTP Authentication:** Select Enable to allow SMTP authentication through the WLAN router. **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 from:** Type an email address for the log to be sent from. **Send to:** Type an email address for the log to be sent to. Click "Email Log Now" to immediately send the current log.

E-mail Logs: When log is full - The time is not fixed. The log will be sent when the log is full, which will depend on the volume of traffic. · Every day, Every Monday ...
- The log is sent on the interval specified. o If "Every day" is selected, the log is sent at the time specified. o If the day is specified, the log is sent once per week, on the specified day. o Select the time of day you wish the E-mail to be sent. o If the log is full before the time specified to send it, it will be sent regardless. **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. **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 allows 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 use 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 either WAN, LAN or WAN_Physical 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. **Cancel:** Click the Cancel button to erase all fields and enter new information. **Dynamic** This screen enables users to set NAT parameters. **NAT:** Click the radio buttons to enable or disable the NAT function. **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 receive 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.)



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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 button to remove the user profile. Cancel: Click the Cancel button to erase all fields and enter new information. URL Blocking You could enable URL blocking to deny the users from accessing the specified URL. Add those specified URL in the text box. Enable / Disable: Enable or Disable the URL blocking function of the WLAN Router. Add: Add the specific URL to the URL blocking list. Delete: Select a URL from the blocking list and then click the Delete button to remove the URL entry from the URL Blocking list. Cancel: Click the Cancel button to erase all fields and enter new information.

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. Range Start: Type the minimum address for the IP range. IP addresses falling between this value and the Range End are not allowed to access the Internet. Range End: Type the minimum address for the IP range. IP addresses falling between this value and the Range Start 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 button to remove the entry from the list. Cancel: Click the Cancel button to erase all fields and enter new information. Domain 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 Blocking function. Allow: Allow users to access all domains except "Blocking Domains". Deny: Deny users to access all domains except "Permitted Domains". Blocked/Permitted Domains: List domains you will Blocked or Permitted. Add: Click to Add domain to the Blocked/Permitted Domains list.

Delete: Select a list item and click Delete to remove the entry from the list. Cancel: Click the Cancel button to erase all fields and enter new information.

Protocol Filters This screen enables you to allow and deny access based upon a communications protocol list you create. The protocol filter 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 you can edit. Enable: Click to enable or disable the Protocol 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 Range: Type the port range of the protocol.

Add: Click to add the protocol filter to the table at the bottom of the screen. Update: Click to update information for the protocol filter if user have selected a list item and have made changes. Delete: Select a list item and click Delete button to remove the entry 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 users 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. 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 button to remove the entry from the list. Cancel: Click the 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 users 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 button to remove the entry from the list. Cancel: Click the 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.



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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. Firewall Rule This screen enables users to set up the firewall.

The WLAN Router provides basic firewall functions, by filtering all the packets that enter the WLAN Router using a set of rules. The rules are listed in sequential order--the lower the rule number, the higher the priority the rule has. Enable: Click to enable or disable the firewall rule profile. Name: Type a descriptive name for the firewall rule profile. Action: Select whether to allow or deny packets that conform to the rule.

Source: Defines the source of the incoming packet that the rule is applied to. Interface: Select which interface (WAN or LAN) the rule is applied to. IP Range Start: Type the start IP address that the rule is applied to. IP Range End: Type the end IP address that the rule is applied to. Destination: Defines the destination of the incoming packet that the rule is applied to. Interface: Select which interface (WAN or LAN) the rule is applied to. IP Range Start: Type the start IP address that the rule is applied to. IP Range End: Type the end IP address that the rule is applied to. Protocol: Select the protocol (TCP, UDP, or ICMP) of the destination. Port Range: Select the port range.

Add: Click to add the rule profile to the table at the bottom of the screen. Update: Click to update information for the rule if the user has selected a listed item and has made changes. Delete: Select a listed item and click Delete button to remove the entry from the list. New: Click "New" to erase all fields and enter new information. Priority Up: Select a rule from the list and click "Priority Up" to increase the priority of the rule. Priority Down: Select a rule from the list and click "Priority Down" to decrease the priority of the rule. Update Priority: After increasing or decreasing the priority of a rule, click "Update Priority" to save the changes. 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. IPsec: Enables users to set up IPsec access for remote management. IDENT: Default is stealth. This enables users to set port 113 stealth. Tools This page enables users to restart the system, save and load different settings as profiles, restore factory default settings, run a setup wizard to configure WLAN Router settings, upgrade the firmware, and ping remote IP addresses.

Restart Click "Restart" to restart the system in the event the system is not performing correctly. Settings This screen enables users to save settings as a profile and load profiles for different circumstances. User can also load the factory default settings, and run a setup wizard to configure the WLAN Router and Router interface. Save Settings: Click "Save" to save the current configuration as a profile that can load when necessary. Load Settings: Click "Browse" and go to the location of a stored profile. 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. @@@@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 100BASETX Fast Ethernet IEEE 802.11g; IEEE 802.11b CSMA/CD IEEE 802.11g Orthogonal Frequency Division Modulation 802.11b: 1, 2, 5.5, 11Mbps (auto sense) 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps(auto sense) Ethernet: 10Mbps (half duplex), 20Mbps (fullduplex) Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex) Star 54Mbps: Typical 70dBm @ 10% PER (Packet Error Rate) 11Mbps: Typical 85dBm @ 8% PER (Packet Error Rate) 13±2dBm typically @ 802.11g 15±2dBm typically @ 802.11b 10BASET: 2pair UTP Cat. 3,4,5 (100 m), EIA/TIA 568 100ohm STP (100 m) 100BASETX: 2pair UTP Cat.

5 (100 m), EIA/TIA568 100ohm STP (100 m) 2412 ~ 2484 MHz ISM band DBPSK/DQPSK/CCK/OFDM 64/128bits WEP Encryption; WPA, WPAPSK, WPA2, WPA2PSK 1~11 Channels (US) 1~13 Channels (EU) LAN: 4 x 10/100Mbps AutoMDIX Fast Ethernet port WAN: 1 x 10/100Mbps AutoMDIX Fast Ethernet port Topology Receiver Sensitivity TX Power Network Cables Frequency Range Modulation Schemes Security Channels Number of Ports Physical and Environmental DC inputs Temperature Humidity Dimensions EMI: 7.5VDC/1A Operating: 0oC ~ 40o C, Storage: 10o ~ 70o C Operating: 10% ~ 90%, Storage: 5% ~ 90% 147 x 115 x 35 mm (W x H x D) without Antenna FCC, CE Power Consumption 5W (Max) 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. Wireless 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.

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