



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for TRENDNET TEW-812DRU. You'll find the answers to all your questions on the TRENDNET TEW-812DRU 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-812DRU**  
**User guide TRENDNET TEW-812DRU**  
**Operating instructions TRENDNET TEW-812DRU**  
**Instructions for use TRENDNET TEW-812DRU**  
**Instruction manual TRENDNET TEW-812DRU**



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**Manual abstract:**

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

..... 26 Add static routes to your router ..

.....  
.....

.....  
.....  
.....

.....  
.....  
.....

26 IPv6 Internet Connection Settings .....

.....  
.....

.....  
.....  
.....

.....  
.....

.... 27 Prioritize traffic using QoS (Quality of Service) .

.....

.....  
.....  
.....

.....  
.....

... 28 Advanced wireless settings ..

.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.. 30 Multiple SSID ...  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

..... 30 Wireless bridging using WDS (Wireless Distribution System) ..

.....  
.....  
.....

..... 31 Additional wireless settings .....

.....  
.....  
.....

.....  
.....  
.....

..... 32 Set your router date and time .

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

..... 33 Create schedules .

.....  
.....  
.....

.....  
.....  
.....

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.....

.....

.....

.....

*... 7 Router Setup .*

*..7 Creating a Home Network ...*

*7 Router Installation .....*

*8 Connect additional wired devices to your network.....*





.....  
.....

..... 17 Access your router management page ..

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

17 Network Status .....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

..... 18 Wireless settings ..

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.... 19 Guest Network .....

.....  
.....  
.....

.....  
.....  
.....

.....  
.....  
.....

.....  
*... 20 Steps to improve wireless connectivity ..*

.....  
.....  
.....  
.....  
.....

.....  
.....  
.....  
*.... 21 Parental Control.....*

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

.....  
*. 22 Doman/URL Filters ....*

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

.....  
*.... 22 IP Filters (LAN Client Filters) .*

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

*.. 22 MAC Address Filters .....*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....  
.....  
.....  
.....

*... 23 Using External USB Storage .....*

.....  
.....  
.....  
.....  
.....  
.....

*.. 40 Samba Network File Server .....*

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

*. 40 FTP (File Transfer Protocol) Server .....*

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

*.... 41 Properly Eject USB device .*

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

*. 42 Print Share Utility Installation .....*

.....  
.....  
.....

.....

.....

*. 43 Windows Installation ....*

.....

.....

.....

.....

.....

.....

.....

.....

.....

*..... 43 MAC OS X Installation .....*

.....

.....

.....

.....

.....

.....

.....

.....

.....

*... 43 ADVANCED .....*

.....

.....

.....

.....

.....

.....

.....

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.....

.....

.....

.....

.....

.....

.....

.....

.....



.....  
.....

..... *46 Sending a Request to Connect .*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....

.... *47 Connect to a Printer.....*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.... *48 Auto-Connect Printer .....*

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.... *48 Connect to a Scanner .*

.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
*... 49 Table of contents Allow/deny ping requests to your router from the Internet .....*

.....  
.....  
.....  
.....  
*.. 55 Check the router system information .....*

.....  
.....  
.....  
.....  
*56 Router Management Page Structure .....*

.....  
.....  
.....  
*60 Technical Specifications .....*

.....  
.....  
.....  
*.... 61 Troubleshooting .....*

.....  
.....  
*.... 63 Appendix .*

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

.....  
*64 Router Maintenance & Monitoring.....*

.....  
.....  
.....  
.....  
.....

*... 50 Change your router login password .....*

.....  
.....  
.....  
.....  
.....  
.....

*.... 50 Change your device name .*

.....  
.....  
.....  
.....  
.....  
.....  
.....

*50 Change your device URL .....*

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

*.... 51 Identify your network on the Internet.....*

.....  
.....  
.....  
.....  
.....  
.....  
.....

*..... 51 Allow remote access to your router management page ...*

.....  
.....



.....  
.....  
.....  
.....  
.....  
*.. 52 Reset your router to factory defaults .....*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

*..... 52 Router Default Settings .....*

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

*. 53 Backup and restore your router configuration settings .....*

.....  
.....

.....  
.....  
.....

*..... 53 Upgrade your router firmware .....*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....

*. 54 Reboot your router .....*

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....  
.....

... 55 © Copyright 2013 TRENDnet. All Rights Reserved. 3 TRENDnet User's Guide TEW-812DRU Wireless N network to connect common wireless devices. Use the high speed USB 3.0 port and Gigabit Ethernet ports to further expand your network. Product Overview 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 USB 3.0 Share Port Plug in a USB 3.

0 flash or storage drive to share content at 5 Gbps USB 3.0 speeds Security TEW-812DRU Package Contents In addition to your router, the package includes: Encrypted Wireless For your security the router arrives pre-encrypted with its own unique password Guest Network Create a secure, isolated network for guest internet access only Parental Controls Control access to specific websites ••• CD-ROM (Utility and User's Guide) Multi-Language Quick Installation Guide Network cable Ethernet Cable (1.5m / 5ft.) Power Adapter (12V, 2A) If any package contents are missing or damaged, please contact the retail store, online retailer, or reseller/distributor from which the product was purchased. Performance Next Generation Wireless AC 802.

11ac provides uninterrupted HD video streaming in a busy connected home Simultaneous Dual Band High speed 1300 Mbps Wireless AC band + 450 Mbps Wireless N Gigabit Ports Gigabit ports extend high performance wired connections Wireless Coverage Whole home wireless coverage for average size homes

Features Designed to produce the ultimate wireless experience in a busy connected home, TRENDnet's AC1750 Dual Band Wireless Router, model TEW-812DRU, creates two concurrent wireless networks—a 1.3 Gigabit Wireless AC network and a 450 Mbps © Copyright 2013 TRENDnet. All Rights Reserved. 4 TRENDnet User's Guide Backward Compatible Compatible with legacy wireless devices Targeted Beamforming Increased real-time performance by directing stronger wireless signals to your specific location \*For maximum performance of up to 867 Mbps use with a 867 Mbps 802.11ac wireless adapter \*\*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 \*\*\* Printer Control Center utility installation required for each computer in order to access the printer TEW-812DRU Product Hardware Features Rear View WPS Button USB 3.0 Share Port Gigabit LAN Ports 1-4 Gigabit Internet Port Power Port On/Off Power Switch (EU only) Reset Button (Located on Bottom) ••• USB Share Port – Connect a USB storage device to share files across your network or connect a USB printer to share printers across your network (Printer Control Center utility required for printer sharing). WPS Button (Wi-Fi Protected Setup) – Push and hold this button for 5 seconds to activate WPS. The Power LED will blink when WPS is activated. Gigabit LAN Ports 1-4 – Connect Ethernet cables (also called network cables) from your router LAN ports to your wired network devices. Gigabit Internet Port – Connect an Ethernet cable from your router Internet port to your modem. © Copyright 2013 TRENDnet. All Rights Reserved. 5 TRENDnet User's Guide •• Power Port – Connect the included power adapter from your router power port and to an available power outlet's network port which connects to the Internet.

2.4GHz wireless signals from the router are broadcasted to wireless clients such as laptops (with wireless capability) and the less congested 5GHz wireless signals from the router are broadcasted to other wireless client devices such as TVs, game consoles, or media bridges thereby providing Internet access for all wireless client devices. Router Setup What is a network? Creating a Home Network A network is a group of computers or devices that can communicate with each other. A home network of more than one computer or device also typically includes Internet access, which requires a router. A typical home network may include multiple computers, a media player/server, a printer, a modem, and a router. A large home network may also have a switch, additional routers, access points, and many Internet-capable media devices such as TVs, game consoles, and Internet cameras. • Modem – Connects a computer or router to the Internet or ISP (Internet Service Provider). • Router – Connects multiple devices to the Internet.



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7 TRENDnet User's Guide DNS Servers Address 2: \_\_\_\_\_ 3. PPPoE to obtain IP automatically User Name: \_\_\_\_\_ Password: \_\_\_\_\_ TEW-812DRU Router Installation Before you Install Many Internet Service Providers (ISPs) allow your router to connect to the Internet without verifying the information fields listed below.

Skip this section for now and if your router cannot connect to the Internet using the standard installation process, come back to this page and contact your ISP to verify required ISP specification fields listed below. 1. Obtain IP Address Automatically (DHCP) Host Name (Optional) MAC Address: \_\_\_\_\_:\_\_\_\_\_:\_\_\_\_\_:\_\_\_\_\_:\_\_\_\_\_:\_\_\_\_\_. Enter your PC's MAC address (Optional) DNS Servers Address 1: \_\_\_\_\_ (Optional) DNS Servers Address 2: \_\_\_\_\_ (Optional) 2. Static/Fixed IP address MAC Address: \_\_\_\_\_:\_\_\_\_\_:\_\_\_\_\_:\_\_\_\_\_:\_\_\_\_\_:\_\_\_\_\_. Enter your PC's MAC address (Optional) IP Address: \_\_\_\_\_ (e.g. 215.

24.24.129) Subnet Mask: \_\_\_\_\_ Default Gateway IP Address: \_\_\_\_\_ DNS Servers Address 1: \_\_\_\_\_

\_\_\_\_\_ © Copyright 2013 TRENDnet. All Rights Reserved. 8 TRENDnet User's Guide 4. PPTP Type (Dynamic IP/DHCP or Static IP) PPTP Server: \_\_\_\_\_ (IP address) IP Address: \_\_\_\_\_ (e.g. 215.

24.24.129) Subnet Mask: \_\_\_\_\_ Default Gateway: \_\_\_\_\_ Server IP: \_\_\_\_\_

\_\_\_\_\_ DNS Servers Address 1: \_\_\_\_\_ DNS Servers Address 2: \_\_\_\_\_ User Name: \_\_\_\_\_ Password: \_\_\_\_\_

\_\_\_\_\_ 5. L2TP Type (Dynamic IP/DHCP or Static IP) L2TP Server: \_\_\_\_\_ (IP address) IP Address: \_\_\_\_\_ (e.g. 215.24.

24.129) Subnet Mask: \_\_\_\_\_ Default Gateway: \_\_\_\_\_

\_\_\_\_\_ Server IP: \_\_\_\_\_ DNS Servers Address 1: \_\_\_\_\_ DNS Servers Address 2: \_\_\_\_\_

\_\_\_\_\_ User Name: \_\_\_\_\_ Password: \_\_\_\_\_ TEW-812DRU © Copyright 2013 TRENDnet. All Rights Reserved. 9 TRENDnet User's Guide Hardware Installation 1. Verify that you have an Internet connection when connecting your computer directly to your modem. 7. Turn on your modem. TEW-812DRU 8. Verify that the status LED indicators on the front of the router are illuminated: Power, Internet, one of the LAN ports (1,2,3,4) and Wireless Bands (2.4G,5G).

2. Turn off your modem. 3. Disconnect the Network cable from your computer to your modem. 4.

Connect your modem to the router Internet port (yellow). 5. Connect your computer to one of the router LAN ports. 6. Connect the power adapter to the router and then to a power outlet.

© Copyright 2013 TRENDnet. All Rights Reserved. 10 TRENDnet User's Guide Internet Setup Wizard 1. Open your web browser (e.g. Internet Explorer, Firefox, Safari, Chrome, or Opera) and go to <http://tew-812dru> or you can access the router management using the IP address <http://192.168.10.1>. TEW-812DRU 4.

The wizard will automatically begin when upon your initial setup. Click Next to begin. 2. Your router will prompt you for a user name and password. For added security, the router is preconfigured with a unique password. You can find the Password on a sticker on the side of the router and on the label on the bottom of the router. 5. Select "DHCP Connection (Dynamic IP Address)" and click Next to continue. Note: Dynamic IP (DHCP) is typical for most Internet services. You can verify your settings with your Internet Service Provider.

3. Enter your Username and Password, select your preferred language, then click Login. 6. Confirm your Internet connection type and click Apply to continue. User Name: admin Password: (xxxxxxx) Note: User Name and Password are case sensitive.

7. Click OK when prompted. © Copyright 2013 TRENDnet. All Rights Reserved. 11 TRENDnet User's Guide TEW-812DRU Connect additional wired devices to your network You can connect additional computers or other network enabled devices to your network by using Ethernet cables to connect them to one of the available LAN ports labeled 1,2,3,4 on your router.

Check the status of the LED indicators (1, 2, 3, or 4) on the front panel of your router to ensure the physical cable connection from your computer or device. Note: If you encounter issues connecting to your network, there may be a problem with your computer or device network settings. Please ensure that your computer or device network settings (also called TCP/IP settings) are configured to obtain IP address settings automatically (also called dynamic IP address or DHCP) and to Obtain DNS Server address settings automatically. 9. Open a new tab on your web browser and enter in a website (e.g. [www.trendnet.com](http://www.trendnet.com)) to verify that you have an Internet connection. 10.

For added security, the router is pre-encrypted with its own unique wireless network security key. You can find the unique network security key and pre-assigned network name (SSID) on a sticker on the front of the router and on a label on the bottom of the router. If you would like to change the wireless settings, continue to the next page to launch the wireless setup wizard. © Copyright 2013 TRENDnet. All Rights Reserved. 12 TRENDnet User's Guide TEW-812DRU Note: WPA2 encryption supports 802.11n speeds and WPA encryption will limit your connection speeds to 54Mbps • WPA2: This is the most secure wireless encryption available today, similar to WPA encryption but more robust. This encryption standard also supports the highest connection speeds.

TRENDnet recommends setting your router to this encryption standard. If you find that one of your wireless network devices does not support WPA2 encryption, then set your router to either WPA or WPA-Auto encryption.

Note: Check the specifications of your wireless network adapters and wireless appliances to verify the highest level of encryption supported. Below is brief comparison chart of the wireless security types and the recommended configuration depending on which type you choose for your wireless network. Wireless Networking and Security How to choose the type of security for your wireless network Setting up wireless security is very important. Leaving your wireless network open and unsecured could expose your entire network and personal files to outsiders. TRENDnet recommends reading through this entire section and setting up wireless security on your new router.

There are a few different wireless security types supported in wireless networking each having its own characteristics which may be more suitable for your wireless network taking into consideration compatibility, performance, as well as the security strength along with using older wireless networking hardware (also called legacy hardware). It is strongly recommended to enable wireless security to prevent unwanted users from accessing your network and network resources (personal documents, media, etc.). In general, it is recommended that you choose the security type with the highest strength and performance supported by the wireless computers and devices in your network.

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Please review the security types to determine which one you should use for your network.

**Wireless Encryption Types** • WEP: Legacy encryption method supported by older 802.11b/g hardware. This is the oldest and least secure type of wireless encryption. It is generally not recommended to use this encryption standard, however if you have old 802.11 b or 802.11g wireless adapters or computers with old embedded wireless cards(wireless clients), you may have to set your router to WEP to allow the old adapters to connect to the router. Note: This encryption standard will limit connection speeds to 54Mbps. • WPA: This encryption is significantly more robust than the WEP technology. Much of the older 802.11g hardware was been upgraded (with firmware/driver upgrades) to support this encryption standard.

Total wireless speeds under this encryption type however are limited to 54Mbps. • WPA-Auto: This setting provides the router with the ability to detect wireless devices using either WPA or WPA2 encryption. Your wireless network will automatically change the encryption setting based on the first wireless device connected. For example, if the first wireless client that connects to your wireless network uses WPA encryption your wireless network will use WPA encryption. Only when all wireless clients disconnect to the network and a wireless client with WPA2 encryption connects your wireless network will then change to WPA2 encryption. © Copyright 2013 TRENDnet. All Rights Reserved. Security Standard WEP IEEE 802.11a/b/g (802.11n devices will operate at 802.

11g to connect using this standard) Compatible Wireless Standards Highest Performance Under This Setting Encryption Strength Additional Options Recommended Configuration WPA IEEE 802.11a/b/g (802.11n devices will operate at 802.11g to connect using this standard) WPA2 IEEE 802.11a/b/g/n Up to 450Mbps (11n) and up to 1.

3Gbps (11ac)\* High TKIP or AES, Preshared Key or RADIUS AES Preshared Key 8-63 characters Up to 54Mbps Low Open System or Shared Key, HEX or ASCII, Different key sizes Open System ASCII 13 characters Up to 54Mbps Medium TKIP or AES, Preshared Key or RADIUS TKIP Preshared Key 8-63 characters \*Dependent on the maximum 802.11n/ac data rate supported by the device (150Mbps, 300Mbps, 450Mbps, 867Mbps, or 1.3Gbps) 13 TRENDnet User's Guide Secure your wireless network Wireless (2.4GHz or 5GHz)> Security After you have determined which security type to use for your wireless network (see "How to choose the security type for your wireless network" on page 15), you can set up wireless security. 1.

@@2. Click on the Wireless button. TEW-812DRU 3. Underneath the basic wireless band section, you will see Security Mode. Click on the drop-down list to select your wireless security type. • Current Network Key - You can define up to 4 keys however, only one key can be active at any given time. Most users simply define one key. Click the drop-down list to select which of the 4 keys is the active key. • Network Key 1-4 o This is where you enter the WEP key needed for a computer to connect to the router wirelessly o You can define up to 4 passwords or 4 keys. Only one key can be active at a given time.

Most users simply define one key. o Choose a key index 1, 2, 3, or 4 and enter the key. o When connecting to the router, the client must match both the password and the Key number. (e.g. if you have activated Key 2 with a password of 12345, then the client must select: Key 2 (entering Key 1, 3, or 4 will block the ability to connect) and enter password 12345) WEP Key Format HEX 0-9 & A-F, a-f only 10 characters 26 characters 5 characters 13 characters ASCII Alphanumeric (a,b,C,?,\*,/,1,2, etc.) Selecting WEP-OPEN, WEP-SHARED: If selecting WEP (Wired Equivalent Privacy), please review the WEP settings to configure and click Apply to save the changes. Note: WEP security is only available in the Security Mode list when 802.11 n-mode is set to Off under Wireless (2.4GHz or 5GHz) > Basic.

Note: WPS functionality is not available when using WEP. In the Security Mode drop-down list, select WEP-OPEN or WEP-SHARED. Note: It is recommended to use WEP-OPEN because it is known to be more secure than Shared Key. Character set 64-bit key length 128-bit key length Note: It is recommended to use 128-bit format because it is more secure to use a key that consists of more characters. • Click here to display - Typically, the password characters are masked for security purposes.

This link displays actual characters of the currently assigned password for your reference. © Copyright 2013 TRENDnet. All Rights Reserved. 14 TRENDnet User's Guide Selecting WPA-PSK, WPA2-PSK, WPA2-PSK, or Mixed (WPA2-PSK recommended): In the Security Mode drop-down list, select WPA-TEW-812DRU The following section outlines options when selecting WPA.

WPA2 or WPA2 Mixed known as EAP (Extensible Authentication Protocol). Also known as called Remote Authentication Dial-In User Service or RADIUS. Note: This security type requires an external RADIUS server, PSK only requires you to create a passphrase. • RADIUS Server: Enter the IP address of the RADIUS server. (e.g. 192.168.10.250) • RADIUS Port: Enter the port your RADIUS server is configured to use for RADIUS authentication.

Note: It is recommended to use port 1812 which is typical default RADIUS port. • RADIUS Key: Enter the shared secret used to authorize your router with your RADIUS server. The following section outlines options when selecting WPA-PSK, WPA2-PSK, or WPA2PSK Mixed (Preshared Key Protocol), • WPA Encryption: Select a Cipher Type to use. When selecting WPA-PSK security, it is recommended to use TKIP + AES. o When selecting WPA2-PSK Mixed security, it is recommended to use TKIP+AES. o When selecting WPA2-PSK security, it is recommended to use AES. • WPA passphrase: Enter the passphrase. o This is the password or key that is used to connect your computer to this router wirelessly Note: 8-63 alphanumeric characters (a,b,C,?,\*,/,1,2, etc.) • Network Key Rotation Interval: Enter the time interval (seconds) of when the network passphrase will rotate. Note: It is recommended to use the default interval time.

Your passphrase will not change, rotation of the key is part of the WPA protocol and designed to increase security. Selecting WPA, WPA2, or WPA2 Mixed: Connect wireless devices to your router A variety of wireless network devices can connect to your wireless network such as: •••••Gaming Consoles Internet enabled TVs Network media players Smart Phones Wireless Laptop computers Wireless IP cameras Each device may have its own software utility for searching and connecting to available wireless networks, therefore, you must refer to the User's Manual/Guide of your wireless client device to determine how to search and connect to this router's wireless network. See the "Appendix" on page 60 for general information on connecting to a wireless network.



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15 TRENDnet User's Guide Connect wireless devices using WPS WPS (Wi-Fi Protected Setup) is a feature that makes it easy to connect devices to your wireless network. If your wireless devices support WPS, you can use this feature to easily add wireless devices to your network. Note: You will not be able to use WPS if you set the SSID Broadcast setting to Disabled or if you are using WEP security. There are two methods the WPS feature can easily connect your wireless devices to your network. • Push Button Configuration (PBC) method o (RECOMMENDED) Hardware Push Button method—with an external button located physically on your router and on your client device o WPS Software/Virtual Push Button - located in router management page • PIN (Personal Identification Number) Method - located in router management page Note: Refer to your wireless device documentation for details on the operation of WPS. Recommended Hardware Push Button (PBC) Method • Note: It is recommended that a wireless key (passphrase or password) is created before connecting clients using the PBC method. If no wireless key is defined when connecting via PBC, the router will automatically create an encryption key that is 64 characters long. This 64 character key will then have to be used if one has to connect computers to the router using the traditional connection method. To add a wireless device to your network, simply push the WPS button on the wireless device you are connecting (consult client device User's Guide for length of time), then push and hold the WPS button located on your router for 3 seconds and release it. A blue LED on your router WPS button will flash indicating that the WPS setup process has been activated on your router. (See "Product Hardware Features" on page 5) For connecting additional WPS supported devices, repeat this process for each additional device. PBC (Software/Virtual Push Button) Wireless (2.4GHz or 5GHz)> WPS TEW-812DRU In addition to the hardware push button located physically on your router, the router management page also has push button which is a software or virtual push button you can click to activate WPS on your router. 1. @@2.

Click on the Advanced tab. 3. Select wireless band you would like to configure, Wireless 2.4GHz or Wireless 5GHz and click on WPS. 4. To add a wireless device to your network, simply click the Add Enrollee button in the router management page, then push the WPS button on the wireless device (consult wireless device's User's Guide for length of time) you are connecting. © Copyright 2013 TRENDnet. All Rights Reserved. 16 TRENDnet User's Guide PIN (Personal Identification Number) Wireless (2.4GHz or 5GHz)> WPS If your wireless device has WPS PIN (typically an 8-digit code printed on the wireless device product label or located in the wireless device wireless software utility), you can use this method.

1. @@2. Click on the wireless band Wireless (2.4GHz or 5GHz) you would like to configure and click on WPS. TEW-812DRU Basic Access your router management page Note: Your router management page URL/domain name <http://tew-812dru> or IP address <http://192.168.10.1> is accessed through the use of your Internet web browser (e.g. Internet Explorer, Firefox, Chrome, Safari, Opera) and will be referenced frequently in this User's Guide.

1. Open your web browser (e.g. Internet Explorer, Firefox, Safari, Chrome, or Opera) and go to URL/domain name <http://tew-812dru> or IP address <http://192.168.10.1>. Your router will prompt you for a user name and password. 3. Next to Station PIN, enter the WPS PIN of the wireless device you are connecting and click the Add Enrollee button.

2. For added security, the router is preconfigured with a unique password. You can find the Password on a sticker on the side of the router and on the label on the bottom of the router. Note: You may need to initiate the WPS PIN on your wireless device first when using this method. Refer to your wireless device documentation for details on the operation of WPS. 3. Enter your Username and Password, select your preferred language, then click Login. © Copyright 2013 TRENDnet. All Rights Reserved. 17 TRENDnet User's Guide TEW-812DRU Internet: This icon turns green to indicate that your network has a valid Internet connection.

Amber color indicates a physical connection on the Internet port of the router but with no valid Internet connection. Red color indicates disconnected Internet port. Guest Network: The section provides your router's guest network SSID. • User Name: admin • Password: (xxxxxxx) Note: User Name and Password are case sensitive. USB: This icon turns green when your router has a valid USB connection.

Red Amber color indicates no USB connection. Wireless: This icon turns green to indicate when your router's wireless network is enabled. Red color indicates your router's wireless network is disabled. Security: This section provides your router's wireless network security information. Connected Devices: This section provides information of all connected devices on your router.

Network Status This screen appears when you login into your router. This section provides an over view of your. + © Copyright 2013 TRENDnet. All Rights Reserved. 18 TRENDnet User's Guide Wireless settings Wireless (2.4GHz or 5GHz)> Basic This section outlines available management options under basic wireless sub tab for both 2.4GHz and 5GHz wireless sections. 1. @@2. Click on Wireless and under the Basic tab.

TEW-812DRU o Off: The router will operate in 802.11n mode only, non-802.11n wireless clients will not be able to connect when this option is selected. When applying the 802.11 n-mode setting on 2.4GHz, please keep in mind the following: • Wireless devices that support 802.11n are backwards compatible and can connect wirelessly at 802.11g or 802.11b. • Connecting at 802.

11b or 802.11g will limit the capability of your 802.11n supported wireless devices from obtaining higher performance and data rates. • Allowing 802.11b or 802.

11g devices to connect to an 802.11n capable wireless network may degrade the wireless network performance below the higher performance and data rates of 802.11n. • Wireless devices that only support 802.11b or 802.

11g will not be able to connect to a wireless network that is set to 802.11n only mode. • Wireless devices that only support 802.11b will not be able to connect to a wireless network that is set to 802.11g only mode. • Broadcast Network Name (SSID): o Enabled allows wireless devices to search and discover your wireless network name (also called SSID) broadcasted by your router. o Disabled turns off the ability for wireless devices to find your network. It is still possible for wireless devices to be configured to connect to your wireless network. Disabling this setting will disable WPS functionality. • Frequency (Channel): To manually set the channel on which the router will broadcast, click the drop-down list and select the desired Channel for wireless communication.



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The goal is to select the Channel that is least used by neighboring wireless networks. • Channel Bandwidth: Select the appropriate channel width for your wireless network. This setting only applies to 802.11n and 802.11ac. For greater 802.11n performance in 2.4GHz, select 40MHz (Options: 20MHz or 40MHz). For greater 802.11ac performance in 5GHz, select 80MHz (Options: 20MHz, 40MHz, or 80MHz) It is recommended to use the default channel bandwidth settings.

Note: Please note that this setting may provide more stability than the higher channel bandwidth settings such as 40 MHz or 80MHz for connectivity in busy wireless environments where there are several wireless networks in the area. 20 MHz: This mode operates using a single 20MHz channel for wireless devices connecting at 802.11n on both 2.4GHz and 5GHz. This setting may provide more stability than 40MHz or 80MHz for connectivity in busy wireless environments where there are several neighboring wireless networks in the area.

40 MHz or 80MHz: When 40MHz or 80MHz is active, this mode is capable of providing higher performance only if the wireless devices support the channel 3.

To save changes to this section, click Apply when finished. • Radio On/Off: o On: Turns on wireless radio. o Off: Turns off wireless radio. • Wireless Name (SSID): Enter the wireless name (SSID) for your wireless network.

This acronym stands for Service Set Identifier and is the name of your wireless network. It differentiates your wireless network from others around you. By default, the router's wireless name is unique to the device. If you choose to change the SSID, change it to a name that you can easily remember. • 802.11 n-mode o Auto: Select this option if you have non-802.11n wireless clients (802.11a/b/g) connecting to your wireless network. © Copyright 2013 TRENDnet. All Rights Reserved.

19 TRENDnet User's Guide bandwidth settings. Enabling 40MHz or 80MHz typically results in substantial performance increases when connecting an 802.11n or 802.11ac client. Note: Please note that 80MHz channel bandwidth is only available for 802.11ac 5GHz. TEW-812DRU around you. It is recommended to use a different name from your primary wireless network to a name that you can easily identify and differentiate from the primary. You can reference your guests to access this network instead of the primary. • Internet Access Only: By default, the option is checked to allow guests to only access the Internet and restrict access to your local LAN network.

Please note that unchecking this option will open access to local LAN network to guests. • Wireless Client Isolation: Checking this option will restrict guests from communicating with each other over the guest network such as share files. 5. Under Security Policy, you can apply a different wireless security type and key to the guest network. Please refer to page 15 to find out about different security types and page 16 for wireless security configuration.

Advanced Guest Network Settings Wireless (2.4GHz or 5GHz) > Guest Network > Advanced Guest Network Settings At the bottom of the guest network page, you can click the "Advanced Guest Network Settings" to configure the additional guest network options such as the guest network interface IP address, DHCP server IP address range, and DHCP reservation. Guest Network Wireless (2.4GHz or 5GHz) > Guest Network Creating an isolated and separate wireless guest network (2.4GHz or 5GHz) allows wireless clients to connect to your network for Internet access only and keep your local LAN network safe by restricting guest access to your LAN network resources such as shared documents and media files on your computers, network storage, and printers.

1. @@2. Click on the Basic tab. Review the Advanced Guest Network settings, click Apply when finished. 3. Click on Guest Network section. 4. Review the Guest Network settings, click Apply when finished. In most cases, you do not need to change your guest network IP address settings. Typically, the router IP address settings only needs to be changed, if you plan to use another router in your network with the same IP address settings, if you are connecting your router to an existing network that is already using the IP address settings your router is using, or if you are experiencing problems establishing VPN connections to your office network through your router.

• Enabled: Check the option to enable the Guest Network. • Wireless Name (SSID): This acronym stands for Service Set Identifier and is the name of your wireless network. It differentiates your wireless network from others © Copyright 2013 TRENDnet. All Rights Reserved. 20 • IP Address – Enter the new guest network IP address. (e.g. 192.168.100.

1) • Subnet Mask – Enter the new guest network subnet mask. TRENDnet User's Guide (e.g. 255.255.

255.0) Note: If you are not encountering any issues or are not faced with one of the cases described above or similar, it is recommended to keep your guest network sIP address settings as default. The guest network IP address settings should different from your local LAN network IP address settings (Default: 192.168.10.

1 / 255.255.255.0) Your router can be used as a DHCP (Dynamic Host Configuration Protocol) server to automatically assign an IP address to each computer or device on your guest network. The DHCP server is enabled by default on your router. It is recommended to leave this setting enabled.

TEW-812DRU • Hostname: Enter a name of the device you will assign the DHCP reservation rule. • MAC Address: Enter the MAC (Media Access Control) address of the computer or network device to assign to the reservation. (e.g.

00:11:22:AA:BB:CC) • IP Address: Enter the IP address to assign to the reservation. (e.g. 192.168.10.101) • Enable: Select enable to enable the setting Steps to improve wireless connectivity There are a number of factors that can impact the range of wireless devices. Follow these tips to help improve your wireless connectivity: 1. Keep the number of obstructions to a minimum. Each obstruction can reduce the range of a wireless device.

Position the wireless devices in a manner that will minimize the amount of obstructions between them. a. For the widest coverage area, install your router near the center of your home, and near the ceiling, if possible. b. Avoid placing the router on or near metal objects (such as file cabinets and metal furniture), reflective surfaces (such as glass or mirrors), and masonry walls.

c. Any obstruction can weaken the wireless signal (even non-metallic objects), so the fewer obstructions between the router and the wireless device, the better. d. Place the router in a location away from other electronics, motors, and fluorescent lighting. e.

Many environmental variables can affect the router's performance, so if your wireless signal is weak, place the router in several locations and test the signal strength to determine the ideal position. 2. Building materials can have a large impact on your wireless signal.



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In an indoor environment, try to position the wireless devices so that the signal passes through less dense material such as dry wall. Dense materials like metal, solid wood, glass or even furniture may block or degrade the signal. 3. Antenna orientation can also have a large impact on your wireless signal. Use the wireless adapter's site survey tool to determine the best antenna orientation for your wireless devices. 4. Interference from devices that produce RF (radio frequency) noise can also impact your signal.

Position your wireless devices away from anything that generates RF noise, such as microwaves, radios and baby monitors. • DHCP Server – Enable or Disable the DHCP server. • DHCP Start IP – Changes the starting address for the DHCP server range. (e.g. 192.168.20.20) • DHCP End IP – Changes the last address for the DHCP server range. (e.g. 192.168.20.30) • Lease Time – Enter the lease time in seconds.

DHCP (Dynamic Host Configuration Protocol) reservation (also called Static DHCP) allows your router to assign a fixed IP address from the DHCP server IP address range to a specific device on your guest network. © Copyright 2013 TRENDnet. All Rights Reserved. 21 TRENDnet User's Guide If possible, upgrade wireless network interfaces (such as wireless cards in computers) from older wireless standards to 802.11n or 802.

11ac. If a wirelessly networked device uses an older standard, the performance of the entire wireless network may be slower. If you are still experiencing low or no signal consider repositioning the wireless devices, installing additional access points or wireless extenders. TEW-812DRU Parental Control This section outlines available management options under basic wireless sub tab for both 2.4GHz and 5GHz wireless sections. 1. @@2. Click on the Basic tab. • URL: Enter the Website/URL/domain (e.g.

www.trendnet.com) or keyword (e.g. trendnet) to block. • Schedule: Click the drop-down list to select the pre-defined schedule to apply. The filter will only be active during the time period defined in the pre-defined schedule. (See "Create Schedule" section on page 38). Note: Before applying scheduling, please ensure your Time settings are configured correct and you have defined a schedule. See page 37 to configure Time Settings and see page 38 to create a schedule.

Enabled: Checking the Enabled option activates on the URL filter rule. IP Filters (LAN Client Filters) Basic > Parent Control You may want to block computers or devices on your network access to specific ports (used or required by a specific application) to the Internet. Review the settings under IP Filter Rules section. Click Apply to save settings. Under the IP Filter Mode drop-down list and select Enabled to activate the feature.

3. Click on the Parental Control section. Doman/URL Filters Basic > Parent Control You may want to block computers or devices on your network access to specific websites (e.g. www.

trendnet.com, etc.), also called domains or URLs (Uniform Resource Locators). You may also enter a keyword (e.g. instead of complete URL to generally block computers or devices access to websites that may contain the keyword in the URL or on the web page. Review the settings under Web URL Filter Rules section. Click Apply to save settings. Under Web URL Filter drop-down menu select Enabled to activate the feature. © Copyright 2013 TRENDnet.

All Rights Reserved. 22 TRENDnet User's Guide • LAN IP Address Range: Enter the IP address or IP address range to apply the protocol (e.g. 192.168.10.20-192.168.10.20 or 192.168.10.20-192.168.10.

30). Note: The filter will not be applied to IP addresses outside of the range specified. Protocol – Select the protocol type to filter. TCP, UDP. • Schedule: Click the drop-down list to select the pre-defined schedule to apply.

The filter will only be active during the time period defined in the pre-defined schedule. (See "Create Schedule" section on page 33). Note: Before applying scheduling, please ensure your Time settings are configured correct and you have defined a schedule. See page 37 to configure Time Settings and see page 38 to create a schedule. • Enabled: Checking the Enabled option activates on the LAN Client Filter rule. MAC Address Filters Basic > Parent Control Every network device has a unique, 12-digit MAC (Media Access Control) address. Using MAC filters, you can allow or deny specific computers and other devices from using this router's wired network. Review the settings under MAC Filter section. Click Apply to save settings. TEW-812DRU o Allow: Select this option to only allow listed MAC addresses.

• MAC Filters: Enter the MAC address of the devices you would like to filter. (e.g. 00:11:22:AA:BB:CC) Note: Enter the Add the MAC addresses to the MAC Table first before applying the MAC filter function. • Interface: Select the interface of the MAC address filter o LAN: Local Access Network, wired clients o WLAN: Wirelessly Local Access Network, wireless clients o Both: Select this option if you uncertain which interface to use. Note: MAC filter can be configured to allow access to the listed MAC address and deny all others unlisted or vice versa. The recommended function is to choose to only allow access to the MAC addresses listed and deny all others unlisted because it is easier to determine the MAC addresses of devices in your network then to determine which MAC addresses you do not want to allow access. You can check the DHCP Client List for the MAC addresses of the devices on your network, see page 56 or refer to your computer or device documentation to find the MAC address. ADVANCED Change your router IP address Advanced > Setup > LAN Setting In most cases, you do not need to change your router IP address settings. Typically, the router IP address settings only needs to be changed, if you plan to use another router in your network with the same IP address settings, if you are connecting your router to an existing network that is already using the IP address settings your router is using, or if you are experiencing problems establishing VPN connections to your office network through your router.

Note: If you are not encountering any issues or are not faced with one of the cases described above or similar, it is recommended to keep your router IP address settings as default. • MAC Filter Mode: Select the option you would like to apply to the listed MAC address. o Disabled: Select this option to disable MAC filter rule. o Deny: Select this option to deny listed MAC addresses. Default Router IP Address: 192.168.10.1 Default Router Network: 192.168.10.

0 / 255.255.255.0 © Copyright 2013 TRENDnet. All Rights Reserved. 23 TRENDnet User's Guide 1. @@2. Click on the Advanced tab. TEW-812DRU Set up the DHCP server on your router N Advanced > Setup > LAN Setting Your router can be used as a DHCP (Dynamic Host Configuration Protocol) server to automatically assign an IP address to each computer or device on your network.



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The DHCP server is enabled by default on your router.

If you already have a DHCP server on your network, or if you do not want to use your router as a DHCP server, you can disable this setting. It is recommended to leave this setting enabled. 1. @@2. Click on the Advanced tab. 3. Click on the Setup section and click on LAN Setting. 4. In LAN Interface Setting section, Enter the router IP address settings. Click Apply to save settings.

Note: The DHCP address range will change automatically to your new router IP address settings so you do not have to change the DHCP address range manually to match your new router IP address settings. 3. Click on the Setup section and click on LAN Setting. 3. Review the DHCP Server settings. Click Apply to save settings. • IP Address: Enter the new router IP address. (e.g. 192.

168.200.1) • Subnet Mask: Enter the new router subnet mask. (e.g. 255.255.255.0) Note: You will need to access your router management page using your new router IP address. (e.

g. Instead of using the default http://192.168.10.1 your new router IP address will use the following format using your new IP address http://(new.ipaddress.here) to access your router management page. You can also use the default login URL http://tew-812dru • DHCP Server: Enable or Disable the DHCP server. © Copyright 2013 TRENDnet. All Rights Reserved.

24 TRENDnet User's Guide • DHCP Start IP: Changes the starting address for the DHCP server range. (e.g.192.168.

10.20) • DHCP End IP: Changes the last address for the DHCP server range. (e.g. 192.

168.10.30) Note: The Start IP and End IP specify the range of IP addresses to automatically assign to computers or devices on your network. • DHCP Lease Time – Click the drop-down list to select the lease time. Note: The DHCP lease time is the amount of time a computer or device can keep an IP address assigned by the DHCP server. When the lease time expires, the computer or device will renew the IP address lease with the DHCP server, otherwise, if there is no attempt to renew the lease, the DHCP server will reallocate the IP address to be assigned to another computer or device. TEW-812DRU 3. Review the DHCP reservation settings. Click Apply to save settings. Set up DHCP reservation Network > LAN Setting DHCP (Dynamic Host Configuration Protocol) reservation (also called Static DHCP) allows your router to assign a fixed IP address from the DHCP server IP address range to a specific device on your network.

Assigning a fixed IP address can allow you to easily keep track of the IP addresses used on your network by your computers or devices for future reference or configuration such as virtual server (also called port forwarding, see "Virtual Server" on page 35) or special applications (also called port triggering, see "Special Applications" on page 36). 1. @@2. Click on the Advanced tab. • Hostname: Enter a name of the device you will assign the DHCP reservation rule. • MAC Address: Enter the MAC (Media Access Control) address of the computer or network device to assign to the reservation. (e.g. 00:11:22:AA:BB:CC) • IP Address: Enter the IP address to assign to the reservation. (e.

g. 192.168.10.101) • Enable: Check the Enabled option to enable the reservation.

Manually configure your Internet connection Advanced > Setup > WAN Setting 1. @@2. Click on the Advanced tab. 3. Click on the Setup section and click on LAN Setting.

3. Click on the Setup section and click on WAN Setting. © Copyright 2013 TRENDnet. All Rights Reserved. 25 TRENDnet User's Guide TEW-812DRU router to your modem. To clear your modem stored MAC address, typically the procedure is to disconnect power from the modem for approximately one minute, then reconnect the power. For more details on this procedure, refer to your modem's User Guide/Manual or contact your ISP. 1. 4. In the WAN Connection Type drop-down list, click the type of Internet connection provided by your Internet Service Provider (ISP).

2. Click on the Advanced tab. 3. Click on the Setup section and click on WAN Setting. 5. Complete the fields required by your ISP. 6. Complete the optional settings only if required by your ISP. 7. To save changes, click Apply.

Note: If you are unsure which Internet connection type you are using, please contact your ISP. 4. Next to MAC Address field, enter the MAC address of your computer. Click Apply to save settings Clone a MAC address Advanced > Setup > WAN Setting On any home network, each network device has a unique MAC (Media Access Control) address. Some ISPs register the MAC address of the device (usually a router or a computer) connected directly to the modem. If your computer MAC address is already registered with your ISP and to prevent the re-provisioning and registration process of a new MAC address with your ISP, then you can clone the address (assign the registered MAC address of your previous device to your new router). If you want to use the MAC address from the previous device (computer or old router that directly connected to the modem, you should first determine the MAC address of the device or computer and manually enter it into your router using the clone MAC address feature. Note: For many ISPs that provide dynamic IP addresses automatically, typically, the stored MAC address in the modem is reset each time you restart the modem. If you are installing this router for the first time, turn your modem before connecting the © Copyright 2013 TRENDnet. All Rights Reserved.

Note: You can check the DHCP Client List for the MAC addresses of the devices on your network, see page 36 or refer to your computer or device documentation to find the MAC address. Add static routes to your router Advanced > Setup > Routing You may want set up your router to route computers or devices on your network to other local networks through other routers. Generally, different networks can be determined by the IP addressing assigned to those networks. Generally speaking and for the case of an example, your network may have 192.168.10.x IP addressing and another network may have 192.168.20.x IP addressing and because the IP addressing of these 26 TRENDnet User's Guide two networks are different, they are separate networks.

In order to communicate between the two separate networks, static routing needs to be configured. Below is an example diagram where routing is needed for devices and computers on your network to access the other network. Note: Configuring this feature assumes that you have some general networking knowledge. 1. @@2. Click on the Advanced tab. TEW-812DRU • Subnet Mask: Enter the subnet mask of the destination network for the route. (e.g. 255.255.0) • Gateway: Enter the gateway to the destination network for the route. (e.g.

192.168.10.2) • Metric: Enter the metric or priority of the route. The metric range is 1-15, the lowest number 1 being the highest priority.

(e.g. 1 ) IPv6 Internet Connection Settings Advanced > Setup > IPv6 Setting IPv6 (Internet Protocol Version 6) is a new protocol that significantly increases the number of available Internet public IP addresses due to the 128-bit IP address structure versus IPv4 32-bit address structure.



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In addition, there are several integrated enhancements compared to the most commonly used and well known IPv4 (Internet Protocol Version 4) such as: • • •

- **Integrated IPsec – Better Security Integrated Quality of Service (QoS) – Lower latency for real-time applications Higher Efficiency of Routing – Less transmission overhead and smaller routing tables Easier configuration of addressing** Note: In order to use IPv6 Internet connection settings, it is required that your ISP provide you with the IPv6 service. Please contact your ISP for availability and more information about the IPv6 service. 3. Click on the Setup section and click on Routing. 4. Review the LAN/WAN Static Routes section. Click Apply to save settings.

1. @@2. Click on the Advanced tab. 3. Click on the Setup section and click on IPv6 Setting. • **IP Address:** Enter the IP network address of the destination network for the route. (e.g. 192.168.

20.0) © Copyright 2013 TRENDnet. All Rights Reserved. 27 TRENDnet User's Guide TEW-812DRU the automatic tunneling technology and routes traffic between 6to4 and IPv6 networks. o **Native IPv6 only:** Native IPv6 refers to a network where IPv6 is the only transport protocol. o **6to4 + Native IPv6:** Supports 6to4 and Native IPv6 simultaneously. • **LAN Network Prefix:** Enter the LAN Network Prefix here. This can be based on ULA (Unique Local Address). • **DNS server:** IPv6 DNS address will be provided by your local ISP. 4.

Review the IPv6 Internet Connection settings and enter information settings specified by your ISP. In WAN IPv6 Setting section, enter your IPv6 settings provided by your ISP (Internet Service Provider) to configure your router's IPv6 WAN settings. Click Apply to save settings. • **6to4 subnet ID:** Specifies, in hexadecimal notation, a subnet ID other than 0 Prioritize traffic using QoS (Quality of Service) Advanced > Setup > QoS You may want to prioritize traffic for specific computers or devices on your network to have higher priority. QoS involves prioritization of network traffic. QoS can be targeted at a network interface, toward a given server or router's performance, or in terms of specific applications. 1. @@2. Click on the Advanced tab. In LAN IPv6 Setting section, enter your IPv6 settings you would like to apply to your LAN (Local Area Network).

Click Apply to save settings. 3. Click on the Setup section and click on IPv6 Setting. • **Mode o Disabled:** IPv6 will be disabled when this option is selected o **6to4 Only:** 6to4 is provided as a transitional mechanism for migrating from IPv4 to IPv6. It allows IPv6 packets to be transmitted over an IPv4 network through © Copyright 2013 TRENDnet. All Rights Reserved. 28 TRENDnet User's Guide 4. Review the QoS settings. TEW-812DRU • **Enable QoS:** Enable or Disable the Quality of service through the router. • **Prioritize ACK:** Enable or disable ACK prioritization.

• **Prioritize ICMP:** Enable or disable ICMP prioritization. 5. Select the traffic class you would like to configure for your QoS rule. • **BW Max Inbound:** Enter the maximum download speed of your ISP (Internet Service Provider). • **Highest/High/Medium/Low/Lowest:** Enter the download speeds you would like to apply on each state of download speeds.

This setting is similar to setting the priority speeds of each class 7. Review the QoS Rule settings. Click Add Rule to add and save the rule to the QoS Rule List 6. Review the Inbound/Outbound Class Setting section. • **IP/MAC Address Filter:** Select from the pull down menu the IP address or MAC you would like to apply and enter the IP address of MAC address.

• **Protocol Filter:** Select the protocol you would like to apply on the QoS Rule. • **Port Filter:** Select the port from the pull down menu you would like to assign on the QoS rule and enter the port. © Copyright 2013 TRENDnet. All Rights Reserved. 29 TRENDnet User's Guide • **Class Assigned:** Select from the pull down menu the class you applied on the previous section you would like to assign the QoS rule. • **Description:** Enter the QoS description that best describes the rule. TEW-812DRU Advanced wireless settings The advanced wireless features provide can provide you with additional options for setting up your wireless network such as multiple SSID and WDS (Wireless Distribution System) or wireless bridging. Multiple SSID Advanced > Wireless (2.4GHz or 5GHz) > Multiple SSID The multiple SSID feature allows you to broadcast up to 2 additional SSIDs (or wireless network names). When wireless devices are searching for available wireless networks to connect to, the SSIDs (or wireless network names) will appear as separate and different wireless networks.

Since they appear as separate wireless networks, they are also referred to as virtual APs (Access Points) since they appear as separate wireless access points but are actually all being broadcasting and managed by a single wireless access point. Each virtual AP can be configured each with a different SSID (or wireless network name), security type and additional settings for wireless devices to connect. You can use the multiple SSID feature to setup guest wireless accounts with a different security type to keep your primary wireless network security information private. The diagram shows an example of a client connecting to SSID 1 and another client connecting to SSID 2. By default, your router functions in Access Point mode to allow wireless client devices to connect and access your network resources and access the Internet using a single SSID. The diagram shows an example of a client connecting to SSID 1 and another client connecting to SSID 2. To configure multiple SSID on your router: 1. @@2. Click on the Advanced tab. 3.

Select the wireless band you would like to configure Wireless 2.4GHz or Wireless 5GHz and click on Multiple SSID. 4. Review the Multiple SSID settings, click Apply when finished. © Copyright 2013 TRENDnet.

All Rights Reserved. 30 TRENDnet User's Guide TEW-812DRU Note: You can create up to four WDS bridge connections on each wireless band (2.4GHz and 5GHz). WDS (Wireless Distribution System) is not currently standardized and may not connect to different model wireless routers or access points, therefore, when using WDS, it is recommended to use the same model and version for wireless bridging. By default, your router functions in Access Point mode to allow wireless client devices to connect and access your network resources and access the Internet.

• **Enabled:** Check the option to enable the Guest Network. • **Wireless Name (SSID):** This acronym stands for Service Set Identifier and is the name of your wireless network. It differentiates your wireless network from others around you. It is recommended to use a different name from your primary wireless network to a name that you can easily identify and differentiate from the primary. You can reference your guests to access this network instead of the primary.



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• **Broadcast Network Name (SSID):** o Enabled allows wireless devices to search and discover your wireless network name (also called SSID) broadcasted by your router. o Disabled turns off the ability for wireless devices to find your network. It is still possible for wireless devices to be configured to connect to your wireless network. Disabling this setting will disable WPS functionality. 5.

Under Security Policy, you can apply a different wireless security type and key to the guest network. Please refer to page 15 to find out about different security types and page 16 for wireless security configuration. Note: You can repeat the steps to enable and configure additional SSIDs. You can configure your wireless security settings for the additional SSIDs under Wireless (2.4GHz or 5GHz)>Security. Under the Security Policy section, click the Wireless Name (SSID) drop-down list to select the additional SSIDs to configure. Please refer to page 15 to find out about different security types and page 16 for wireless security configuration. Wireless bridging using WDS (Wireless Distribution System) Advanced > Wireless (2.4GHz or 5GHz) > WDS Wireless bridging using WDS allows the device to create a wireless bridge with other WDS supported wireless routers and access points configured in WDS mode to bridge groups of network devices together wirelessly. Simultaneously, the router will also function in access point mode allowing wireless client devices such as computers, game consoles, mobile phones, etc.

to connect in order to access network resources from multiple groups of network devices as well as the Internet. © Copyright 2013 TRENDnet. All Rights Reserved. In the diagram below, the blue color represents the WDS wireless bridged connections between the routers. The green color represents access point mode connections between wireless client devices and the routers.

Note: Before configuring WDS, please ensure the following first: 1. @@(ex. @@See page 34 for changing the LAN IP address. 2. @@See page 35 for DHCP server options.

3. @@See page 20 for configuring basic wireless settings. 4. @@@@2. Click on the Advanced tab. @@@@Changing these settings incorrectly can degrade performance. 3. @@@@2. Click on the Advanced tab. 4.

@@(e.g. 00:11:22:AA:BB:CC). To save settings, click Apply. 3. @@Review the Multiple SSID settings, click Apply when finished. @@@@All Rights Reserved. @@Select the option that works best for your installation. @@@@It is recommended to leave this feature On. @@@@• Beacon Interval: A beacon is a management frame used in wireless networks that transmitted periodically to announce the presence and provide information about the router's wireless network.

The interval is the amount time between each beacon transmission. Default Value: 100 milliseconds (range: 25-1000) • DTIM: A DTIM is a countdown informing clients of the next window for listening to broadcast and multicast messages. When the wireless router has buffered broadcast or multicast messages for associated clients, it sends the next DTIM with a DTIM Interval value. Wireless clients detect the beacons and awaken to receive the broadcast and multicast messages. The default value is 1.

Valid settings are between 1 and 255. • Fragment Threshold: Wireless frames can be divided into smaller units (fragments) to improve performance in the presence of RF interference and at the limits of RF coverage. Fragmentation will occur when frame size in bytes is greater than the Fragmentation Threshold. This setting should remain at its default value of 2346 bytes. Setting the Fragmentation value too low may result in poor performance.

• RTS Threshold: The Request To Send (RTS) function is part of the networking protocol. A wireless device that needs to send data will send a RTS before sending the data in question. The destination wireless device will send a response called Clear to Send (CTS). The RTS Threshold defines the smallest data packet size allowed to initiate the RTS/CTS function. Default Value: 2347 (range: 1-2347) • Short Preamble: Using a short (400ns) guard interval can increase throughput. However, it can also increase error rate in some installations, due to increased 2. Click on the Advanced tab. 3. Click on Administrator section and click Time. 4.

Review the Time settings. Click Apply to save settings. © Copyright 2013 TRENDnet. All Rights Reserved. 33 TRENDnet User's Guide TEW-812DRU • Access Control (Domain/URL Filters & IP/Protocol LAN Client Filters) • Special Applications • Gaming 1. @@2. Click on the Advanced tab. 3. Click on Administrator section and click Schedule. • Time Configuration: Displays the current device time and date information.

• Enable Daylight Saving: Check the option to configure the DST settings. Set the annual range when daylight saving is activated. • NTP Settings: Check the Enable NTP Server option to set your router date and time to synchronize with an NTP (Network Time Protocol) server address (e.g. pool.ntp.org). Enter the NTP server address next to Default NTP server, (e.g. pool.

ntp.org). Click the Time Zone drop-down list to select the appropriate zone and you can optionally change your NTP Sync period. Note: NTP servers are used for computers and other network devices to synchronize time across an entire network. • Manually set time – Set your router date and time manually in the Date and Time Settings section. Note: Time is specified in 24-hour format. 3. Review the Schedule settings. Click Apply to save settings. Create schedules Advance > Administrator > Schedule For additional security control, your router allows you to create schedules to specify a time period when a feature on your router should be activated and deactivated.

Before you use the scheduling feature on your router, ensure that your router system time is configured correctly. Note: You can apply a predefined schedule to the following features: • Virtual Server © Copyright 2013 TRENDnet. All Rights Reserved. 34 • Rule Name: Enter a name for the schedule you would like to apply. • Days: Check the days you would like the rule to be applied or select All Week to enable the rule all week. • Start/End Time: Select the start and end time you would like the schedule to follow. Note: The schedule defined will define the time/day the feature will be activated. TRENDnet User's Guide Access Control Advanced > Security > Access Control You may want to block computers or devices on your network access to specific ports (used or required by a specific application) to the Internet. 1. @@2.

Click on the Advanced tab. TEW-812DRU • Protocol: Select the protocol type to filter. TCP, UDP. • Destination Port Range: Enter the port number or range of port numbers to apply in the firewall rule. (e.

g. 80-80 or 20-21). For all ports, use the port range 1 - 65534. • Schedule: Click the drop-down list to select the pre-defined schedule to apply. The filter will only be active during the time period defined in the pre-defined schedule.



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