



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for TRENDNET TEW-658BRM. You'll find the answers to all your questions on the TRENDNET TEW-658BRM 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-658BRM
User guide TRENDNET TEW-658BRM
Operating instructions TRENDNET TEW-658BRM
Instructions for use TRENDNET TEW-658BRM
Instruction manual TRENDNET TEW-658BRM



[You're reading an excerpt. Click here to read official TRENDNET TEW-658BRM user guide](http://yourpdfguides.com/dref/3659765)
<http://yourpdfguides.com/dref/3659765>

Manual abstract:

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

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

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

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

.....6 Features ...

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

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

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

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

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

.....6 Package Contents

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

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

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

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

6 Hardware Overview

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

.7 Front Panel

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

7 Rear Panel

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

8 Wireless Performance Considerations

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

.....
.....

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

.....9 Installation

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

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

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

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

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

...10 Connect the Power

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

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

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

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

...10 Connect the Computer

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

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

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

.....
.....
..10 Wired Connection ...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

...10 Connect the DSL.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....11 Use a Splitter ..

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..11 Check the Installation

.....

.....

.....

.....

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

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

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

.....11 Configure the Computer ..

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

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

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

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

....12 Windows 95 / 98 / ME

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

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

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

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

....12 Windows 2000 .

.....
.....

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

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

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

.....
.....
.....
.....
.....
.....13 Windows XP

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

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

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

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

.....13 Windows Vista ...

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

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

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

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

.....14 Windows 7 .

.....
.....

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

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

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

.....
.....
.....
.....14 Log In to the Modem Router ...

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

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

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

.....
.....

.....15 Setup Wizard....

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

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

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

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

.....
.....

.....16 Menu

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

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

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

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

.....
.....

.....
..19 Setup

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

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

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

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

.....
.....

...19 Internet Setup ..

.....

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

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

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

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

.....19 Internet Connection Settings....

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

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

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

.....

.19 Internet Settings

.....
.....

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

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

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

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

20 Protocol.....

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

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

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

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

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

...21 PPPoE (RFC-2516 PPP over Ethernet)

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

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

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

....21 PPPoA (RFC-2364 PPP over ATM) .

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

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

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

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

.28 Wireless Settings.....

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

.....29 Basic Setting .

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

29 Security Setting

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

.....
.....32 Local Network ...

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

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

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

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

.....33 LAN

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

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

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

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

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

.....33 DHCP Setting

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

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

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

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

.....
.....
...34 DHCP Server ..
.....

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

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

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

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

.....34 DHCP Relay .

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

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

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

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

.....35 DHCP Reserved Address

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

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

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

...36 Time and Date.....

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

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

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

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

.....
.....

37 Advanced

.....

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

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

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

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

.....38 Advanced Wireless

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

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

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

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

.....38 Wireless Router Settings

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

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

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

38 MBSSID Settings

.....
.....

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

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

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

.....39 Wireless MAC Filter .

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

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

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

...39 To Set MAC Filter..

.....
.....

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

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

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

.40 To Remove MAC Filter

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

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

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

.....
40 WPS Setting.....

.....
.....

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

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

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

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

..40 Basic Setting

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

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

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

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

...41 Multi-WAN

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

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

.....
.....

.....
.....

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

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

42 DSL Auto Scan

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

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

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

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

.....42 VPI/VCI Scanning..

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

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

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

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

..42 IP/PPP Config

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

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

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

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

.43 Default Route

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

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

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

....43 Advanced-LAN

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

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

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

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

.....
.....

44 Config Spanning Tree

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

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

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

.....

..44 ADSL Settings ...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.44 RIP Settings

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

...45 NAT

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....
.46 Virtual Server

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

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

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

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

.....
46 Port Trigger

.....
.....

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

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

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

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

..47 ALG 48 VPN Passthrough

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

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

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

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

.....49 Firewall.....

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

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

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

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

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

...50 MAC Filter ..

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

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

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

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

..50 IP Filter

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

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

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

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

.....
.50 URL Filter.....

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

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

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

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

.....52 To Filter a URL ...

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

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

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

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

.....52 To Filter Keyword ..

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

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

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

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

52 DOS Protection

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

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

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

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

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

.....53 Domain Blocking

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

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

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

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

.....54 To Block Domains .

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

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

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

.....
.....

.54 DMZ

.....

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

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

.....

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

.....54 SPI Settings

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

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

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

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

.....55 Packet Filter

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

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

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

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

.....56 Filters & Rules

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

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

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

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

.....
.....
.....56 Filters .

.....
.....

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

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

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

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

.....56 Rules.....

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

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

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

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

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

..57 Statistics

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

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

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

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

.....
.....
.....
.....
...58 Static Route.....

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

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

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

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

.....58 Multicast

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

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

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

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

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

.....59 IGMP Proxy

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

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

.....
.....

.....
.....
.....
.....
.....
.....61 Port Mapping ...

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

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

.....81 ADSL Info

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

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

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

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

.....
.....

.....81 Wireless Clients.

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

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

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

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

.....81 Logs

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

.....
.....

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

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

.....
.....

.....82 Routing Table .

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

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

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

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

.....83 Traffic Meter ..

.....
.....

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

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

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

.....
.....

..83 Traffic Data Interface ..

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

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

84 Traffic Bandwidth Interval

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

....84 Driver Version

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..84 Statistics ...

.....

.....

.....

.....

.....

.....

.....

.....

.....

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

...84 Basic Statistics

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

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

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

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

.84 Statistics > DSL Statistics

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

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

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

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

...85 Appendix

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

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

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

.....
.....

.....
.....

.....
.....
.....
.....
.....
...86 Regulatory & Safety Information

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

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

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

..86 FCC (Federal Communications Commission) Statement

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

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

.....87 CE statement.....

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

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

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

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

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

88 PART 68 statement

.....
.....

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

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

Adjust your wireless devices so that the signal is traveling in a straight path, rather than at an angle. The more material the signal has to pass through the more signal you will lose. 2. 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. 3. Building materials can have a large impact on your wireless signal. 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. 4. 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. 5. 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. 6. Any device operating on the 2.4GHz frequency will cause interference. Devices such as 2.

4GHz cordless phones or other wireless remotes operating on the 2.4GHz frequency can potentially drop the wireless signal. Although the phone may not be in use, the base can still transmit wireless signal. Move the phone's base station as far away as possible from your wireless devices. If you are still experiencing low or no signal consider repositioning the wireless devices or installing additional access points. The use of higher gain antennas may also provide the necessary coverage depending on the environment. Installation Make sure that all devices are powered off before starting installation. Installation Diagram Connect the Power 1. Connect the power adapter to the power port of your Modem Router. 2.

Plug the power adapter to a wall outlet or a power strip. NOTE: · · Use only the supplied power adapter. Using other power adapters may cause damage to the device. Connect all devices to your Modem Router before connecting the power adapter to a wall outlet. Connect the Computer Wired Connection 3. Connect one end of the RJ-45 cable to one of the Ethernet (1, 2, 3, 4) ports of your Modem Router. 4. Connect the other end of the RJ-45 cable to the Ethernet port of the computer. Repeat the above steps to connect other computers to the Modem Router via Ethernet connection. To connect more than four computers, use a hub or switch.

Connect one end of an RJ-45 cable to the hub or switch and the other end to the computer. Connect the DSL 5. Connect one end of the RJ-11 cable to the DSL port of your Modem Router.



[You're reading an excerpt. Click here to read official TRENDNET TEW-658BRM user guide](http://yourpdfguides.com/dref/3659765)
<http://yourpdfguides.com/dref/3659765>

6. Connect the other end of the RJ-11 cable to a wall jack with DSL service. Use a Splitter You need a splitter when connecting the Modem Router to the wall jack that also connects to a telephone. 7. Plug the splitter to the wall jack with DSL service. 8. Connect one end of the RJ-11 cable to the DSL port of your Modem Router.

9. Connect the other end of the RJ-11 cable to the MODEM port of the splitter. 10. Connect the telephone to the LINE port of the splitter using another RJ-11 cable. Check the Installation To ensure that all devices are properly connected, check the LED indicators on the front of your Modem Router. For basic installation, the following LED must be lit: Power LED LAN LED (for every computer that is connected via Ethernet connection) DSL LED The lighted LED indicators vary depending on the type of connection that you make. See "Front Panel" on page 7 for more information about the LED indicators. Configure the Computer This section will guide you on how to configure your computer according to the operating system you are using. Windows 95 / 98 / ME, see below. Windows 2000, see page 13.

Windows XP, see page 13. Windows Vista, see page 14. Windows 7, see page 14. Windows 95 / 98 / ME If you are using Windows 95 / 98 / ME operating system, follow the instructions below to configure your computer. 1.

On the desktop, right-click Network Neighborhood. 2. Click Properties. 3. On the IP Address tab, select Obtain an IP Address automatically.

4. On the DNS Configuration tab, select Disable DNS. 5. On the Gateway tab, leave all fields blank. 6. Click OK. IP Address Page Gateway Page DNS Configuration Page Windows 2000 If you are using Windows 2000, follow the instructions below to configure your computer. 1. Click Start > Settings > Control Panel > Network and Dial-up Connections. 2.

Double-click Local Area Connection. 3. Click Properties. 4. On the network components list, make sure that Internet Protocol (TCP/IP) is checked. If not, check it to enable the Properties button. 5. Select Internet Protocol (TCP/IP), and then click Properties. 6. On the General tab, select Obtain an IP Address automatically and Obtain DNS server address automatically.

7. Click OK. General Page Windows XP If you are using Windows XP, follow the instructions below to configure your computer. 1. Click Start > Control Panel > Network Connections.

2. Right-click Local Area Connection, then click Properties. 3. On the network components list, make sure that Internet Protocol (TCP/IP) is checked. If not, check it to enable the Properties button.

4. Select Internet Protocol (TCP/IP), and then click Properties. 5. On the General tab, select Obtain an IP Address automatically and Obtain DNS server address automatically. 6. Click OK. General Page Windows Vista If you are using Windows Vista, follow the instructions below to configure your computer. 1. Click Start > Control Panel > Network and Internet Connections > Network Connections. 2.

Right-click Local Area Connection, then click Properties. 3. On the General tab, make sure that Internet Protocol (TCP/IP) is checked. If not, check it to enable the Properties button. 4. Select Internet Protocol (TCP/IP), and then click Properties. 5. Select Obtain an IP Address automatically and Obtain DNS server address automatically. 6. Click OK.

General Page Windows 7 If you are using Windows 7, follow the instructions below to configure your computer. 1. Click Start > Control Panel > Network & Sharing Center. 2. Click Local Area Connection.

3. Click Properties. 4. On the network components list, make sure that Internet Protocol (TCP/IP) is checked. If not, check it to enable the Properties button.

5. Select Internet Protocol (TCP/IP), and then click Properties. 6. On the General tab, select Obtain an IP Address automatically and Obtain DNS server address automatically. 7. Click OK. General Page Log In to the Modem Router Use the web-based utility to configure your Modem Router. Note the following default settings before accessing the web-based utility. SSID TRENDnet658 Channel Auto 802.11 Mode 802.

11 b+g+n mixed mode Security Disable IP Address 192.168.10.1 VPI/VCI for ATM 8/35 DSL Line Mode Auto-detect TCP/IP Address 192.168.10.x (where x is a number between 2 and 254) (PC) Default IP Address 192.168.10.1 (Modem Router) Subnet Mask 255.255.0 Do the following instructions to log in to the Modem Router: 1. Launch the web browser. 2.

On the address bar, enter http://192.168.10.1, then press Enter. 3.

Enter the User name and Password. The default user name and password are "admin". It is advised to change the user name and password, see "7.1 Password" on page 69. Setup Wizard After you log in, the Setup Wizard appears on the screen. It is recommended to follow the wizard if are setting up the network and configuring the Modem Router for the first time. 1. Select a PVC (Permanent Virtual Circuit), then click Next. It is recommended to use the default setting, PVC0, when setting up the Modem Router for the first time. 2.

The information required on the page below can be obtained from your Internet service provider (ISP). Consult your ISP and do the following: a. Enter the Virtual Path Identifier (VPI) and Virtual Channel Identifier (VCI). b. Set the Encapsulation mode, ATMQoS, and Peak Cell Rate. c. Enable or disable Default VLAN and PPPoE PassThrough. d. Click Next to continue. 3.

Select a network protocol. Click Next to continue. The information required on the next page vary depending on the network protocol you selected here. 4.

The following is a PPPoE example.

a. Enter the connection Name, User Name, and User Password. Re-type the password in the Confirm Password field. b. Select whether to enable or disable features such as NAT (Network Address Translation), DNS (Domain Name System), and DNS Override.

c. Leave the remaining fields to their default settings. d. Click Next to continue. 5. Select whether to enable or disable wireless connection. From this point, you can also change the SSID with a name that you can easily remember. Click Next to continue. 6. Select the Security Mode, Authentication Type, and Encryption, and enter a passkey.

Click Next to continue. The screen below varies depending on the security mode you selected, below is an example of a WEP security screen. 7. When prompted to reboot, click OK. 8. Log out from the web-based utility, then log in again to apply the configurations. Menu Use the main menu, located on the left panel of the screen, to manually configure your Modem Router. Click a menu item, then a submenu to display the page on the screen. For submenus with more options, move the mouse cursor over the submenu to view the options. Setup The Setup menu allows you to configure the Internet connection of your Modem Router manually.

Internet Setup The Internet Setup page is divided into three sections: Internet Connection Settings, Internet Settings, and Protocol. To access the Internet Setup page, click SETUP > Internet Setup.

[You're reading an excerpt. Click here to read official TRENDNET](#)



[TEW-658BRM user guide](#)

<http://yourpdfguides.com/dref/3659765>

Internet Connection Settings This setting configures the Modem Router to your Internet connection. The required settings should be obtained from your ISP.

Internet Connection -- Select the Permanent Virtual Circuit (PVC).

The Modem Router supports up to 8 PVCs. Enable -- Select whether to enable or disable the Internet connection. VPI -- Enter the Virtual Path Identifier (VPI) provided by your ISP. The default VPI is 8. VCI -- Enter the Virtual Channel Identifier (VCI) setting provided by your ISP.

The default VCI is 36. Encapsulation -- Select LLC (Logical Link Control) or VCMUX (Virtual Circuit Multiplexing), according to your ISP. ATMQoS -- Select the type of ATM Queue of Service (ATMQoS) specified by your ISP. Options are: UBR (Unspecified Bit Rate), CBR (Constant Bit Rate), VBR-nrt (Variable Bit Rate non-real-time), and VBR-rt (Variable Bit Rate real-time). Peak Cell Rate -- This is the maximum rate of cells that you can send. If provided by your ISP, enter the rate in the field. Otherwise, leave this field to its default setting. Enable Default Vlan -- Select whether to enable or disable VLAN tagging. PPPoE PassThrough -- Select whether to enable or disable PPPoE passthrough. Internet Settings DSL lines use different network protocols to establish Internet connection.

Ask your ISP and select the protocol used by your DSL line, options are: PPPoE (RFC-2516 PPP over Ethernet) PPPoA (RFC-2364 PPP over ATM) IPoA (RFC-1483 Routed) Dynamic IP Address (IPoEoA/MER (MAC Encapsulated Routed) with DHCP) Static IP Address Bridge Mode (RFC-1483 Bridged) CIP (RFC-1577 Classic IP/ARP over ATM) Protocol This section varies depending on the selected network protocol. PPPoE (RFC-2516 PPP over Ethernet)

If you select PPPoE (Point-to-Point Protocol over Ethernet), the screen below is displayed. State of Connection -- Select whether to enable or disable this connection. IPMode of Connection -- Select the connection mode, options are: . . Dynamic: Select Dynamic if the IP address can be automatically obtained from your ISP. Static: Select Static if you are required to use a permanent IP address to connect to the Internet. You must enter the IP Address and Subnet Mask provided by your ISP. Name -- Enter your desired connection name. NAT -- Select whether to enable or disable NAT (Network Address Translation).

Enable this setting to share one WAN IP address with multiple computers on your network. User Name -- Enter the user name provided by your ISP.

User Password -- Enter the password provided by your ISP. Re-enter the password in the Confirm Password field. Max MRU -- This is the maximum rate of cells that you can receive. If provided by your ISP, enter the rate in the field. Otherwise, leave this field to its default setting.

DNS Enabled -- Select whether to enable or disable DNS (Domain Name System). DNS Override Allowed -- Select whether to enable or disable DNS override. DNS Server 1 and DNS Server 2 -- If provided by your ISP, enter the DNS server. Otherwise, leave these fields blank. PPPoE Service Name -- Enter a PPPoE service name.

MAC Address -- Displays the cloned MAC address. Click the Clone Mac button to clone the MAC address of your computer. PPPoE AC Name -- Enter the PPPoE account name provided by your ISP. Connection Trigger -- You can configure how you want your Modem Router to connect and terminate the

Internet connection. Options are: . . . OnDemand: Enables the Modem Router to cut off the Internet connection after being idle for a specified period of time. The Modem Router automatically re-establishes the connection when you try to access the Internet again. On the Idle Disconnect Time field, enter the number of seconds that you want to elapse before your Modem Router terminates the Internet connection. AlwaysOn: Enables the Modem Router to be connected to the Internet at all times. If you are disconnected, the Modem Router will automatically reestablish the connection. Manual: With this setting, you have to enter the user name and password to establish the Internet connection.

LCP Interval -- Enter the number of seconds that you want to be the interval in sending LCP (Link Control Protocol) packets. As system default route -- Check this box to set the current setting as the default route. ICMP Reply Enable -- Check this box to enable ICMP (Internet Control Message Protocol) messages to be sent back to the host that sent the message. Proxy ARP Enable -- Check this box to enable proxy ARP function. Click the Apply button to save your changes or click the Cancel button to discard your changes. PPPoA (RFC-2364 PPP over ATM) If you select PPPoA (Point-to-Point Protocol over ATM), the screen below is displayed. State of Connection -- Select whether to enable or disable this connection. IPMode of Connection -- Select the connection mode, options are: . . Dynamic: Select Dynamic if the IP address can be automatically obtained from your ISP. Static: Select Static if you are required to use a permanent

IP address to connect to the Internet. You must enter the IP Address and Subnet Mask provided by your ISP.

Name -- Enter your desired connection name. NAT -- Select whether to enable or disable NAT (Network Address Translation). Enable this setting to share one WAN IP address with multiple computers on your network. User Name -- Enter the user name provided by your ISP. User Password -- Enter the password

provided by your ISP.

Re-enter the password in the Confirm Password field. Max MRU -- This is the maximum rate of cells that you can receive. If provided by your ISP, enter the rate in the field. Otherwise, leave this field to its default setting. DNS Enabled -- Select whether to enable or disable DNS (Domain Name System).

DNS Override Allowed -- Select whether to enable or disable DNS override. DNS Server 1 and DNS Server 2 -- If provided by your ISP, enter the DNS server.

Otherwise, leave these fields blank. Connection Trigger -- You can configure how you want your Modem Router to connect and terminate the Internet connection. Options are: . . . OnDemand: Enables the Modem Router to cut off the Internet connection after being idle for a specified period of time. The Modem Router automatically re-establishes the connection when you try to access the Internet again. On the Idle Disconnect Time field, enter the number of seconds that you want to elapse before your Modem Router terminates the Internet connection. AlwaysOn: Enables the Modem Router to be connected to the Internet at all times. If you are disconnected, the Modem Router will automatically reestablish the connection. Manual: With this setting, you have to manually restore the connection if you are disconnected.

LCP Interval -- Enter the number of seconds that you want to be the interval in sending LCP (Link Control Protocol) packets. As system default route -- Check this box to set the current setting as the default route.



[You're reading an excerpt. Click here to read official TRENDNET](http://yourpdfguides.com/dref/3659765)

[TEW-658BRM user guide](http://yourpdfguides.com/dref/3659765)

<http://yourpdfguides.com/dref/3659765>

ICMP Reply Enable -- Check this box to enable ICMP (Internet Control Message Protocol) messages to be sent back to the host that sent the message. Proxy ARP Enable -- Check this box to enable proxy ARP function. Click the Apply button to save your changes or click the Cancel button to discard your changes. IPoA (RFC-1483 Routed) If you select IPoA (IP over ATM), the screen below is displayed. State of Connection -- Select whether to enable or disable this connection. Name -- Enter your desired connection name. NAT -- Select whether to enable or disable NAT (Network Address Translation). Enable this setting to share one WAN IP address with multiple computers on your network.

External IP Address -- Enter the IP address provided by your ISP. Subnet Mask -- Enter the subnet mask provided by your ISP. Default Gateway -- Enter the default gateway provided by your ISP. DNS Enabled -- Select whether to enable or disable DNS (Domain Name System). DNS Override Allowed -- Select whether to enable or disable DNS override.

DNS Server 1 and DNS Server 2 -- If provided by your ISP, enter the DNS server. Otherwise, leave these fields blank. As system default route -- Check this box to set the current setting as the default route. ICMP Reply Enable -- Check this box to enable ICMP (Internet Control Message Protocol) messages to be sent back to the host that sent the message. Proxy ARP Enable -- Check this box to enable proxy ARP function.

Click the Apply button to save your changes or click the Cancel button to discard your changes. Dynamic IP Address If you select Dynamic IP Address, the screen below is displayed. State of Connection -- Select whether to enable or disable this connection. Name -- Enter your desired connection name. NAT -- Select whether to enable or disable NAT (Network Address Translation). Enable this setting to share one WAN IP address with multiple computers on your network. DNS Enabled -- Select whether to enable or disable DNS (Domain Name System). DNS Override Allowed -- Select whether to enable or disable DNS override. DNS Server 1 and DNS Server 2 -- If provided by your ISP, enter the DNS server. Otherwise, leave these fields blank.

MAC Address -- Displays the cloned MAC address. Click the Clone Mac button to clone the MAC address of your computer. Option 125 -- Select whether to enable or disable Option 125. Option 60 Vendor ID -- Enter option 60 vendor ID. Option 61 IAID -- Enter option 61 IAID. Option 61 DUID -- Enter option 61 DUID. As system default route -- Check this box to set the current setting as the default route. ICMP Reply Enable -- Check this box to enable ICMP (Internet Control Message Protocol) messages to be sent back to the host that sent the message. Proxy ARP Enable -- Check this box to enable proxy ARP function. Click the Apply button to save your changes or click the Cancel button to discard your changes.

Static IP Address If you select Static IP Address, the screen below is displayed. State of Connection -- Select whether to enable or disable this connection. Name -- Enter your desired connection name. NAT -- Select whether to enable or disable NAT (Network Address Translation). Enable this setting to share one WAN IP address with multiple computers on your network.

External IP Address -- Enter the IP address provided by your ISP. Subnet Mask -- Enter the subnet mask provided by your ISP. Default Gateway -- Enter the default gateway provided by your ISP. DNS Enabled -- Select whether to enable or disable DNS (Domain Name System). DNS Override Allowed -- Select whether to enable or disable DNS override.

DNS Server 1 and DNS Server 2 -- If provided by your ISP, enter the DNS server. Otherwise, leave these fields blank. MAC Address -- Displays the cloned MAC address. Click the Clone Mac button to clone the MAC address of your computer. As system default route -- Check this box to set the current setting as the default route. ICMP Reply Enable -- Check this box to enable ICMP (Internet Control Message Protocol) messages to be sent back to the host that sent the message. Proxy ARP Enable -- Check this box to enable proxy ARP function. Click the Apply button to save your changes or click the Cancel button to discard your changes. Bridge Mode If you select Bridge mode (RFC-1483 Bridged), the screen below is displayed. State of Connection -- Select whether to enable or disable this connection.

Name -- Enter your desired connection name. CIP (RFC-1577) If you select CIP (RFC-1577 Classic RP/ARP over ATM), the screen below is displayed. State of Connection -- Select whether to enable or disable this connection. Name -- Enter your desired connection name. NAT -- Select whether to enable or disable NAT (Network Address Translation). Enable this setting to share one WAN IP address with multiple computers on your network. External IP Address -- Enter the IP address provided by your ISP. Subnet Mask -- Enter the subnet mask provided by your ISP. Default Gateway -- Enter the default gateway provided by your ISP. DNS Enabled -- Select whether to enable or disable DNS (Domain Name System).

DNS Override Allowed -- Select whether to enable or disable DNS override. DNS Server 1 and DNS Server 2 -- If provided by your ISP, enter the DNS server. Otherwise, leave these fields blank. As system default route -- Check this box to set the current setting as the default route. ICMP Reply Enable -- Check this box to enable ICMP (Internet Control Message Protocol) messages to be sent back to the host that sent the message.

Proxy ARP Enable -- Check this box to enable proxy ARP function. Click the Apply button to save your changes or click the Cancel button to discard your changes. Wireless Settings The Wireless Settings page allows you to enable and configure wireless connections. Basic Setting The Basic Settings page allows you to enable the wireless function of your Modem Router and set its SSID. To access the Basics Settings page, click SETUP > Wireless Settings > Basic Setting or click the Wireless Setting button.

Device -- Check this box to enable the wireless function of your Modem Router. SSID Enter the service set identifier (SSID) or the name of your wireless network. The SSID is case-sensitive and must not exceed 32 alphanumeric characters. BSSID -- (Basic Service Set Identifier) Displays the MAC address of your Modem Router. Wireless Channel -- Select the appropriate channel that corresponds to your network settings. You should assign different channels for each access point to avoid signal interference. TIP: Select Auto for Wireless Channel to allow your Modem Router to select the best possible channel for your wireless network. Wireless Mode -- Select the wireless mode to limit the type of wireless devices that can connect to the network. Options are: 802.11b only: Only 802.11b wireless devices can connect to the network. 802.11g + 802.11b: Only 802.11g and 802.11b wireless devices can connect to the network. 802.11g only: Only 802.11g wireless devices can connect to the network.

11b wireless devices can connect to the network. 802.11g + 802.11b: Only 802.11g and 802.11b wireless devices can connect to the network. 802.11g only: Only 802.11g wireless devices can connect to the network.



[You're reading an excerpt. Click here to read official TRENDNET TEW-658BRM user guide](http://yourpdfguides.com/dref/3659765)
<http://yourpdfguides.com/dref/3659765>

11n + 802.11g + 802.11b: All 802.11n, 802.11g, and 802.

11b wireless devices can connect to the network. Security Setting It is strongly recommended to enable the security settings to secure your network from unauthorized access. Use the Security Setting page to configure the type of security and encryption of your wireless network. To access the Security Setting page, click **SETUP > Wireless Settings > Security Setting** or click the Security Setting button. Name (SSID) -- Select the wireless network to configure from the drop-down list.

Security Mode -- Select the security and the encryption type to use. Select None if you do not want to use any security mode. WEP WEP (Wired Equivalent Policy) is the basic security method. With WEP security, all wireless devices must enter the same key to connect to the network. Authentication Type -- Select an authentication type. Options are: · Auto: Select Auto if you are unsure which authentication is suitable for your wireless devices. Open System -- Open System allows public access to the Modem Router via wireless communications. Shared Key -- Requires users to enter the same WEP key to exchange data with other wireless devices. Encryption Strength -- Select 64bit to enter or generate a 10-character key or select 128bit to enter or generate a 26-character key. · Key Format -- Select HEX to generate hexadecimal characters only or ASCII to generate ASCII characters.

Passphrase -- Enter a passphrase, then click the Generate button to automatically generate WEP keys. Key 1, 2, 3, 4 -- When you enter a passphrase and click the Generate button, these fields display the auto-generated keys. Otherwise, enter the WEP key(s) manually. Click the Apply button to save your changes or click the Cancel button to discard your changes. WPA (TKIP) Select WPA (Wi-Fi Protected Access) using TKIP (Temporal Key Integrity Protocol) for better encryption. Authentication Type -- Select an authentication type. Options are: · PSK: Select to use a passphrase for authentication. If you select PSK, enter a passphrase in the Confirmed Passphrase field. EAP -- Select to use Extensible Authentication Protocol (EAP). This should only be used when a Radius server is connected to your Modem Router.

If you select EAP, enter the following information: · · · Radius Server IP: The IP address of the authentication server. Radius Server Port: The port number used to connect to the authentication server. Radius Server Key: Enter the passphrase that matches the authentication server. Encryption Type -- Displays the encryption type you selected. Group Rekey Time -- Enter the number of seconds to elapse until the Modem Router prompts for the key again.

Click the Apply button to save your changes or click the Cancel button to discard your changes. WPA2 (AES) Select WPA (Wi-Fi Protected Access) using AES (Advanced Encryption Standard) for better encryption. Authentication Type -- Select an authentication type. Options are: · PSK: Select to use a passphrase for authentication. If you select PSK, enter a passphrase in the Confirmed Passphrase field.

EAP -- Select to use Extensible Authentication Protocol (EAP). This should only be used when a Radius server is connected to your Modem Router. If you select EAP, enter the following information: · · · Radius Server IP: The IP address of the authentication server. Radius Server Port: The port number used to connect to the authentication server. Radius Server Key: Enter the passphrase that matches the authentication server. Encryption Type -- Displays the encryption type you selected. Group Rekey Time -- Enter the number of seconds to elapse until the Modem Router prompts for the key again. Click the Apply button to save your changes or click the Cancel button to discard your changes. WPA (TKIP) / WPA2 (AES) Select this security mode if you are unsure which mode is suitable for your wireless devices. Authentication Type -- Select an authentication type.

Options are: · PSK: Select to use a passphrase for authentication. If you select PSK, enter a passphrase in the Confirmed Passphrase field. EAP: Select to use Extensible Authentication Protocol (EAP). This should only be used when a Radius server is connected to your Modem Router. If you select EAP, enter the following information: · · · Radius Server IP: The IP address of the authentication server. Radius Server Port: The port number used to connect to the authentication server. Radius Server Key: Enter the passphrase that matches the authentication server. Encryption Type -- Displays the encryption type you selected. Group Rekey Time -- Enter the number of seconds to elapse until the Modem Router requires the wireless devices to re-authenticate. Click the Apply button to save your changes or click the Cancel button to discard your changes.

Local Network To access the Local Network page, click **SETUP > Local Network**. LAN This section contains the local settings of your network. These settings are private to your internal network and cannot be seen on the Internet. It is recommended to keep the default values. IP Address -- The default value is 192.168.10.1. Subnet Mask -- The default value is 255.255.

255.0. Local Domain Name -- Enter a name to refer to the group of devices that will be assigned addresses from this pool. DNS Relay -- Select whether to enable or disable the DNS relay function. Check this box to request automatic assignment of a DNS, then enter the Primary DNS Server and the Secondary DNS Server in the DHCP Setting screen below. DHCP Setting This section allows you to configure your Modem Router to use the Dynamic Host Configuration Protocol (DHCP). You can set your Modem Router as a DHCP server or a DHCP relay agent of your network. The information required on the DHCP Setting screen vary depending on the selected DHCP option. DHCP Option -- Select the DHCP mode of your Modem Router. Options are: · · · Disabled: Select this setting if there is already a DHCP server on your network and all devices on your network are using static IP addresses.

DHCP Server: By default, your Modem Router is set as a DHCP server. See more details below. DHCP Relay: Select this setting to set your Modem Router as a DHCP Relay agent. See description on the next page. NOTE: If you want to set your Modem Router as a DHCP server, make sure there is no other DHCP server on your network. DHCP Server If you set your Modem Router as the DHCP server, your Modem Router will automatically assign an IP address to each computer on your network. By default, the fields for DHCP settings have predefined values. It is recommended to retain these values unless specified by your ISP. IP Pool Starting Address -- Enter the lowest range of IP address to assign. The default value is 192.

168.10.101. IP Pool Ending Address -- Enter the highest range of IP address to assign.



[You're reading an excerpt. Click here to read official TRENDNET TEW-658BRM user guide](http://yourpdfguides.com/dref/3659765)
<http://yourpdfguides.com/dref/3659765>

The default value is 192.

168.10.200. Subnet Mask -- Enter the subnet mask. The default value is 255.

255.255.0. IP Routers -- Enter the IP address of your Modem Router. The default value is 192.168.10.1. Primary DNS Server and Secondary DNS Server -- Enter a primary and a secondary DNS server if the DNS Relay option is enabled. Lease Time -- Enter the lease time in seconds.

The lease time is the amount of time a device is allowed connection to your Modem Router using its current dynamic IP address. At the end of the lease time, the lease is either renewed or a new IP address is assigned. The default value is 86400 seconds (1 day). Sub Range IP Enable -- Check this box to set another range of IP address. Vendor Class (Option 60): Enter a vendor class name. · Sub-String Match: Check to enable the sub-string match function. · IP Pool Starting Address -- Enter the lowest sub range of IP address to assign. · IP Pool Ending Address -- Enter the highest sub range of IP address to assign. · Subnet Mask -- Enter the subnet mask. · IP Routers -- Enter the IP address of your Modem Router.

· Primary DNS Server and Secondary DNS Server -- Enter a primary and a secondary DNS server of the sub range. Extra Option Enable -- Check this box to enable extra options. · Option 240, Option 241, Option 242, Option 244, and Option 245: Enter a name for the corresponding option. Click the Apply button to save your changes or click the Cancel button to discard your changes. DHCP Relay Some ISPs function as the DHCP server for their clients' small office network.

In this case, you can set your Modem Router to act as a DHCP relay agent. When a device on your network requests Internet access, your Modem Router contacts the ISP to obtain the IP configuration, and then forwards the information to that device. DHCP Server IP -- Enter the IP address of the DHCP server. Click the Apply button to save your changes or click the Cancel button to discard your changes. DHCP Reserved Address This section lists the DHCP reserved addresses on your network.

If your Modem Router is set as the DHCP server, your Modem Router can reserve a particular IP address to a specific device. To reserve an IP address, click the Add button. Enable -- Check this box to enable this function. Host Name -- Enter a host name for the DHCP reserved address. IP Address -- Enter the IP address to reserve. MAC Address -- Enter the MAC address of the device to reserve the IP address to. Click the Apply button to save your changes or click the Cancel button to discard your changes. Time and Date The Time and Date page allows you to manually configure the time and date of your network or to synchronize with a Network Time Protocol (NTP) server. To access the Time and Date page, click SETUP > Time and Date. Time Zone -- Select the time zone in your location.

To set the network time and date according to the selected time zone, click the Sync Time button. NTP (Network Time Protocol) -- Check the Enable box to synchronize the network time and date with an NTP server. · · · Server 1 IP or Domain name: Enter the IP address or the domain name of the NTP server to synchronize your network with. Server 2 IP or Domain name: Enter the IP address or the domain name of another NTP server to synchronize your network with in case Server 1 is not available. First Poll Frequency: Enter the number in seconds of the first poll. ThereAfter Frequency: Select the succeeding frequency from the dropdown list. Start Time: Select the month and the day to start the daylight saving time. End Time: Select the month and the day to end the daylight saving time. Daylight Saving -- Check the Enable box to enable daylight saving time. · · Click the Apply button to save your changes or click the Cancel button to discard your changes.

To manually set the time and date of your network, select the Year, Month, Day, Hour, Minute, and Second from their corresponding drop-down lists. Click the Set Time button to apply the changes. Advanced The Advanced menu configurations greatly affect the operating performance of your Modem Router. This menu is intended for advance users. It is recommended to retain the default settings if you are unsure about them.

Advanced Wireless Router Settings This page allows you to configure advanced wireless router settings. Click Advanced > Advanced Wireless > Advanced Wireless or click the Advanced Setting button. SSID Advertise -- Check this box to allow wireless devices scanning the area for wireless networks to detect your Modem Router. Transmit Power -- Select the output power of the wireless LAN. WMM (Wi-Fi Multimedia) -- Select whether to enable or disable WMM.

The WMM feature enhances the Quality of Service (QoS) of a network that is used by multimedia applications such as Voice-over-IP (VoIP) and video. If WMM is enabled, multimedia applications on your network have priority over regular data packets, allowing multimedia applications to run smoother and with fewer errors. WMM APSD -- If WMM is enabled, you can also select whether to enable or disable WMM APSD (Automatic Power Save Delivery). APSD manages radio usage for battery-powered devices to allow longer battery life in certain conditions. Fragment Threshold -- Fragment threshold refers to the maximum size of a packet before data is fragmented into multiple packets. The default and recommended value is 2346 bytes. If you experience a high packet error rate, you may slightly adjust the value. Setting the fragment threshold too low may result in poor network performance. RTS Threshold -- The default and recommended value is 2347. Should you encounter inconsistent data flow, only slight modifications should be made.

Beacon Interval -- Enter a value in milliseconds. A beacon is a packet that is sent out by the Modem Router to synchronize the wireless network. The beacon interval value indicates the frequency interval of the beacon. The default value is 100. Click the Apply button to save your changes or click the Cancel button to discard your changes. MBSSID Settings This page allows you to configure up to four virtual access points (VAP). Click Advanced > Advanced Wireless > MBSSID Setting or click the MBSSID Setting button. Check the Enabled box of the VAP to enable it. If you enable a VAP, you can modify its SSID and check its SSID Advertise box to allow wireless devices scanning for a wireless network to detect the VAP. Click the Apply button to save your changes or click the Cancel button to discard your changes.

Wireless MAC Filter This page allows you to deny or allow devices to access the wireless network by filtering their MAC addresses. Click Advanced > Advanced Wireless > Wireless MAC Filter or click the MAC Filter button. Name (SSID) -- Select the SSID from the drop-down list. To Set MAC Filter Do the following to deny or allow a device to access to the wireless network. 9. Select the MAC Restrict Mode.



[You're reading an excerpt. Click here to read official TRENDNET TEW-658BRM user guide](http://yourpdfguides.com/dref/3659765)
<http://yourpdfguides.com/dref/3659765>

Options are: · · · Disable: No restriction. Deny: To deny access to the wireless network. Allow: To allow access to the wireless network. 10. On the MAC Address field, enter the MAC address of the device that you want to deny or allow access. 11. Click the Add button to add the MAC address to the MAC ADDRESS LIST. 12. Click the Apply button to apply the MAC filter or click the Cancel button to discard your changes. To Remove MAC Filter 13. On the MAC ADDRESS LIST, click the corresponding MAC filter. 14. When prompted, click OK to confirm. icon to remove the restriction on the WPS Setting Wi-Fi Protected Setup (WPS) is designed to make wireless setup easy and yet secure.

Users do not need to know the network SSID and passphrases to use WPS to join the wireless network. This page allows you to enable WPS-supported devices to connect to your Modem Router. NOTE: This feature is available only in WPA-PSK, WPA2PSK, or OPEN mode. Click Advanced > Advanced Wireless > WPS Setting or click the WPS Setting button. Basic Setting Enable WPS -- Check this box to enable the WPS function. Device Password (PIN) -- Displays the PIN password. To generate a new PIN, click the Generate New PIN button. To reset the PIN to default, click the Reset PIN to Default button. Click the Apply button to save your changes or click the Cancel button to discard your changes. Add Client Setup Methods -- Select one of the following: · · Push Button: Select to connect WPS-supported devices with a push of a button.

PIN: Select to prompt WPS-supported devices to enter the PIN before allowing access to the wireless network. · Client PIN: Enter the WPS-supported device's PIN. This PIN is used to connect to your Modem Router. Click the Add button to apply the configuration. Multi-WAN DSL Auto Scan This page allows you to scan your DSL line for available VPI/VCI.

To access the DSL Auto Scan page, click Advanced > Multi-WAN > DSL Auto Scan or click the DSL Auto Scan button. VPI/VCI Scanning Click the Scan button to start scanning your DSL line for available VPI/VCI. Scanning may take several minutes. Click the Cancel button to stop scanning. Current Auto-PVC Table Displays the current PVCs.

Your Modem Router supports up to 8 PVCs. To modify an entry, do the following: 15. Click the icon. The selected entry is displayed on the editable field. 16. Enter the new VPI/VCI values. 17. Click the Save button. IP/PPP Config This page allows you to create multiple Wide Area Networks (WAN) and manually add an IP or a PPP connection. To access the IP/PPP Config page, click Advanced > Multi-WAN > IP/PPP Config or click the WAN Config button.

To add an IP or PPP connection, do the following: 18. Click the Add button of the connection that you want to add. 19. On the Interface field, select the PVC. 20. Enter the connection settings. The screen and the required settings vary depending on the type of connection that you want to add. See "Protocol" on page 21 for more information. 21. Click the Apply button to save your changes or click the Cancel button to discard your changes.

To edit an IP or PPP connection, click the corresponding icon. To delete an IP or PPP connection, click the corresponding icon. Default Route This page allows you to change the default route of your Modem Router. To access the Default Route page, click Advanced > Multi-WAN > Default Route or click the Default Route button. Change Default Route -- Select the connection to set as the default route from the drop-down list. Click the Apply button to save your changes or click the Cancel button to discard your changes. icon.

Advanced-LAN This page allows you to add multiple LAN IP addresses. To access the Advanced-LAN page, click Advanced > Advanced-LAN. Config Spanning Tree Spanning Tree Enable -- Check this box to enable spanning tree. Click the Apply button to save your changes or click the Cancel button to discard your changes.

Add IP Interface To add an IP interface, do the following: 22. On the first record on the table, enter the IP Address and Subnet Mask. 23. Check the Enable box to enable the IP interface. 24. Click the Add button. The new entry is listed on the bottom of the list. To apply the IP interface, click the corresponding Apply button. To delete the IP interface, click the corresponding Delete button. ADSL Settings This page allows you to select ADSL modulations, capabilities, and other options.

Consult your ISP to determine the appropriate settings. To access the ADSL Settings page, click Advanced > ADSL Settings. Check a corresponding box to select the option. To reset the ADSL settings, click the Reset button. Click the Apply button to save your changes or click the Cancel button to discard your changes. RIP Settings A Routing Information Protocol (RIP) is an Internet protocol that is used to share routing information table with other routing devices on the local and wide area network. To access the RIP Settings page, click Advanced > RIP Settings. To add RIP settings, do the following: 25. Select the Interface. 26.

On the Receive Mode and Send Mode drop-down lists, select the appropriate versions. NOTE: The selected versions should match the versions supported by the other routers on your network. button. 27. Click the Add button.

To delete an RIP setting, click the corresponding icon. NAT Virtual Server A virtual server allows remote devices accessing the Web or FTP services via a public IP address be redirected to local servers in the LAN. Depending on the requested service (TCP/UDP port number), your Modem Router redirects the external service request to the appropriate server in the LAN. To access the Virtual Server page, click Advanced > NAT > Virtual Server or click the Virtual Server button. The table displays the virtual servers on your network. To edit an entry, click the corresponding icon.

To delete an entry, click the corresponding icon. To add virtual servers, click the Add button. @@@@DSL Interface -- Select a DSL interface from the drop-down list. Public Port -- Enter the public port. This is the port seen from the WAN side. Private Port -- Enter the private port.

@@@@@The table displays the port triggers on your network. To edit an entry, click the corresponding icon. To delete an entry, click the corresponding button. To add port triggers, click the Add button.

@@Rule Name -- Enter a rule name. Use Interface -- Select a DSL interface from the drop-down list. @@@@Public Port -- Enter the public port to be opened. Public Port Protocol -- Select the public port protocol. @@@@@@IRC -- Internet Relay Chat (IRC) is a real-time Internet chatting protocol designed for group communications. @H323 -- H.323 is a standard that provides audio-visual communication sessions on a network. It is widely implemented in voice and video conferencing equipments and is used within various Internet real-time applications such as NetMeeting. @@@@It is recommended to retain the default ports of these protocols.



[You're reading an excerpt. Click here to read official TRENDNET TEW-658BRM user guide](http://yourpdfguides.com/dref/3659765)
<http://yourpdfguides.com/dref/3659765>

Click the Apply button to save your changes or click the Cancel button to discard your changes.

VPN Passthrough This page allows you to control VPN tunnels using IPSEC, PPTP, and L2TP protocols to pass through your Modem Router. To access the VPN Passthrough page, click **Advanced > NAT > VPN Passthrough** or click the **VPN Setting** button. **IPSEC Passthrough** -- Internet Protocol Security (IPSec) is a protocol suite used to secure IP communications by authenticating and encrypting IP packets. **PPTP Passthrough** -- Point-to-Point Tunneling Protocol (PPTP) allows Point-to-Point protocol (PPP) to be tunneled through a network. **L2TP Passthrough** -- Layer 2 Tunneling Protocol (L2TP) is an extension to the PPP protocol that enables ISPs to operate VPNs.

It is recommended to retain the default ports of these protocols. Click the Apply button to save your changes or click the Cancel button to discard your changes. **Firewall MAC Filter** This page allows you to set up a list of MAC addresses which will be allowed or restricted to access the Internet. To access the MAC Filter page, click **ADVANCED > Firewall > MAC Filter** or click the **MAC Filter** button. **MAC Address Control** -- Check this box to enable the MAC filter function.

Control Action -- Select **Allow** to allow a specified MAC address to access the Internet or **Deny** to restrict a specified MAC address access to the Internet. Click the Apply button to save and activate the MAC filter or click the Cancel button to discard your changes. **MAC Address** -- Enter the MAC address of the device you want to allow or deny access to the Internet. To use the MAC address of the DHCP client, click the **Clone** button. The MAC address is automatically copied to the MAC address field. Click the **Add** button to add the MAC address to the filter list. The **MAC ADDRESS CONTROL LIST** displays the MAC address of the devices that are either allowed or denied access to the Internet. To remove an entry from the list, click the corresponding button. **IP Filter** This page allows you to create filter rules to control outgoing traffic to the Internet based on a range of IP addresses and their protocols. To access the IP Filter page, click **ADVANCED > Firewall > IP Filter** or click the **IP Filter** button.

The table lists the existing filter rules. To edit an entry, click the corresponding icon. To delete an entry, click the corresponding button. To add a filter, click the **Add** button. The **IP Filter Config** screen is displayed. **IP Filter** -- Check this box to enable IP filtering. **Filter Name** -- Enter a filter rule name. **Start Source IP Address** -- Enter the starting point of the source IP address. **End Source IP Address** -- Enter the ending point of the source IP address. **Source Port** -- Enter the source port number.

Start Destination IP Address -- Enter the starting point of the destination IP address. **End Destination IP Address** -- Enter the ending point of the destination IP address. **Destination Port** -- Enter the destination port number. **Protocol Type** -- Select the protocol from the drop-down list. **Time Schedule** -- Select the time to implement the IP filter or click the **New Time Schedule** button to create a new schedule.

Click the Apply button to save and activate the filter or click the Cancel button to discard your changes. **URL Filter** This page allows you to deny network devices to access specific URLs or URLs that contain specific keywords. To access the URL Filter page, click **ADVANCED > Firewall > URL Filter** or click the **URL Filter** button. **URL Filter** -- Check this box to enable URL filtering. **Show Redirect Page** -- Check this box to redirect devices to another website when the website they are trying to access is blocked.

Click the Apply button to save and activate the filter or click the Cancel button to discard your changes. To Filter a URL 28. On the **Add FQDN Rule** field, enter a Fully Qualified Domain Name (FQDN) that you want to block. NOTE: For example, if you block **www.google.com**, all websites with **google.com**, such as **mail.google.com**, are also blocked. 29.

Select the time to implement the URL filter or click the **New Time Schedule** button to create a new schedule. 30. Click the **Add** button of the **Add FQDN Rule**. The entry is listed on the **URL LIST** table. To Filter Keyword 31. On the **Add Keyword Rule** field, enter a keyword. If a part of the URL contains this keyword, the website will not be accessible. 32. Select the time to implement the URL filter or click the **New Time Schedule** button to create a new schedule. 33.

Click the **Add** button of the **Add Keyword Rule**. The entry is listed on the **URL LIST** table. To delete an entry, click the corresponding button. **DOS Protection** This page allows you to protect your network from hackers to run Denial of Service (DoS) attacks. To access the DOS Protection page, click **ADVANCED > Firewall > DOS Protection** or click the **DOS Protection** button.

Dos Protection -- Check this box to enable DoS protection. **Dos Protection Option** -- Check the appropriate boxes to enable protection from SYN flood, FIN flood, UDP flood, ICMP flood, SMURF, IP spoofing, and others. Enter the flood count numbers or retain the default values if you are unsure about them.

Check the Apply button to save and activate DoS protection or click the Cancel button to discard your changes. **Domain Blocking** This page allows you to deny network devices to access specific domains such as an http and an ftp.

To access the Domain Blocking page, click **ADVANCED > Firewall > Domain Blocking** or click the **Domain Blocking** button. **Domain Blocking** -- Check this box to enable domain blocking. Click the Apply button to activate domain blocking. To Block Domains 34. On the **Domain** field, enter the domain name to block. 35. Select the time to implement the domain blocking or click the **New Time Schedule** button to create a new schedule. 36. Click the **Add** button to add the domain. The entry is listed on the **DOMAIN LIST** table.

To delete an entry, click the corresponding icon. **DMZ** (Demilitarized Zone) sets a single computer, called a DMZ host, on your network to have unrestricted Internet access. This function is useful for gaming purposes or when a computer on your network cannot access the Internet properly. However, this places the DMZ host outside the firewall and exposes it to security risks. To access the DMZ page, click **ADVANCED > Firewall > DMZ** or click the **DMZ** button. **DMZ** -- Check this box to enable DMZ. **DSL Interface** -- Select the DSL interface to activate DMZ from the drop-down list. **DMZ Host IP Address** -- Enter the IP address of the computer to set as the DMZ host. Check the Apply button to save and activate DMZ. **SPI Settings** SPI (Stateful Packet Inspection) filters more kinds of attacks by closely examining packet data structures.

To access the SPI Settings page, click **ADVANCED > Firewall > SPI Settings** or click the **SPI Settings** button. **SPI Enable** -- Select whether to enable or disable the SPI function. **Endpoint Filter** -- Select an endpoint filter option: **Independent**: Forwards all incoming traffic from an open port to the application that opened the port.



You're reading an excerpt. Click here to read official TRENDNET TEW-658BRM user guide
<http://yourpdfguides.com/dref/3659765>

· **Restrict:** Incoming traffic must match the IP address of the outgoing connection. **Log Dropped Packet Enabled** -- Select whether to enable or disable logging of dropped packets from your network or the Internet.

· Click the **Apply** button to save and activate the SPI settings. **Packet Filter Filters & Rules** This page allows you to create packet filters and rules. These filters are used to check each data that passes within your network. If the packet data does not meet the requirements, the packet is either dropped or rejected.

To access the **Filters & Rules** page, click **ADVANCED > Packet Filter > Filters & Rules** or click the **Filters & Rules** button.

Filters Click the **Add** button to create a new filter. **Name** -- Enter desired filter name. **NOTE:** The filter name cannot contain spaces. **Interface** -- Select the interface to implement the filter. **Type** -- Select **In** to filter incoming packets or select **Out** to filter outgoing packets. **Default Action** -- Select **Drop** to drop the packets or select **Permit** to allow packets to pass through if the rule requirement is met. Click the **Apply** button to save the filter or click the **Cancel** button to discard your changes. The new entry is listed on the **FILTERS** table. An **Index** and **Key** are automatically assigned to each filter that you create. The **Key** is used to identify the filter when assigning rules.

To edit a filter, click the corresponding icon. To delete a filter, click the **Rules** After creating filters, click the **Add** button to set the rules on how to implement the filters. **Filter Key** -- Select the filter to assign the rule. **Enable** -- Check this box to enable this rule. **Protocol** -- Select a protocol from the drop-down list. Options are **TCP**, **UDP**, or **ICMP**. **Action** -- Select the action to execute when the rule requirement is met. Options are: · · · **Drop:** Select to drop the packets if the rule requirement is met. **Permit:** Select to allow packets to pass through if the rule requirement is met.

Reject: Select to reject the packets if the rule requirement is met. Select the **Reject Type** from the drop-down list. Depending on the selected protocol and the selected action, the fields below may or may not be displayed on the screen. **Origin IP Address** -- Enter the IP address of the origin of the packets. **Origin Mask** -- Enter the subnet mask of the origin of the packets.

Destination IP Address -- Enter the IP address of the destination of the packets. **Destination Mask** -- Enter the subnet mask of the destination of the packets.

Origin Start Port and Origin End Port -- Enter the starting and ending port range of the origin of the packets. **Destination Start Port and Destination End Port** -- Enter the starting and ending port range of the destination of the packets. **ICMP Type** -- Select an ICMP type from the drop-down list.

If the selected type is met, the filter is implemented. Click the **Apply** button to save and activate the rule or click the **Cancel** button to discard your changes.

Statistics This page displays the filter and rule statistics. To access the **Statistics** page, click **ADVANCED > Packet Filter > Statistics** or click the **Statistics** button. Click the **Refresh** button to refresh the list.

Static Route This page allows you to create routing tables. To access the **Static Route** page, click **ADVANCED > Static Route**. Click the **Add** button to create a static route. **Forwarding Policy Option** -- Select whether to enable or disable routing. **Rule Name** -- Enter desired rule name.

Source IP -- Enter the source IP address. **Source SubMask** -- Enter the source subnet mask. **Dest IP** -- Enter the destination IP address. **Dest SubMask** -- Enter the destination subnet mask. **Gateway** -- Enter the gateway. **Interface name** -- Select the interface to implement the routing. Click the **Apply** button to save and activate the static route or click the button to discard your changes. **Multicast Internet Group Management Protocol (IGMP)** manages members of groups of devices, called IP multicast groups. IGMP is used by IP hosts and adjacent multicast routers to establish multicast group membership. It is an integral part of the IP multicast specification, like ICMP for unicast connections.

IGMP is used for online video and gaming, and allows more efficient use of resources that support these applications. To access the **Multicast** page, click **ADVANCED > Multicast**. **IGMP Option** -- Select an IGMP option. Options are: **Disabled**, **Proxy**, and **Snooping**. **IGMP Fast Leave** -- Check this box to enable IGMP fast leave.

IGMP Proxy IGMP proxy enables your Modem Router to forward multicasts traffics between LAN and WAN networks. Select **IGMP Proxy Version** and **DSL Interface**. Enter values for **IGMP Query Interval**, **Robust Count**, **IGMP Last Member Query Interval**, **IGMP Robustness**, **Query Response Interval**, and **Group Live Delay Time**. If you are unsure about them, leave the default values. **IGMP Snooping** With IGMP snooping, your Modem Router can make intelligent multicast forwarding to connections that have group members attached.

As a result, IGMP snooping prevents or reduces traffic on the interface that is not registered as a receiver of a specific multicast group. Select **IGMP Proxy Version**. Enter values for **IGMP Query Interval**, **Robust Count**, **IGMP Last Member Query Interval**, **IGMP Robustness**, **Query Response Interval**, and **Group Live Delay Time**. Check the boxes to enable IGMP for **WLAN**, **LAN1**, **LAN2**, **LAN3**, and **LAN4**. Click the **Apply** button to save your changes or click the **Cancel** button to discard your changes. **Dynamic DNS** Each time your Modem Router connects to the Internet, your ISP assigns a different IP address to your device. In order to access your device from the WAN side, you need to manually track the IP that is currently used. The **Dynamic DNS (DDNS)** feature allows you to register your device with a DNS server and use the same host name to access your device. To access the **Dynamic DNS** page, click **ADVANCED > Dynamic DNS**. The table lists the current DDNS.

To edit an entry, click the corresponding icon. To delete an entry, click the corresponding icon. To add DDNS, click the **Add** button. **Connection Name** -- Select a connection from the drop-down list. **Use Dynamic DNS Service** -- Check this box to register this account to the DNS server. **Service Provider** -- Select a service provider from the drop-down list. **NOTE:** Additional charges may be incurred depending on the selected service provider. **Host Name** -- Enter a domain name to be registered to the DNS server. **User Name** -- Enter the user name of your DNS account assigned by the service provider. **Password** -- Enter the password of your DNS account assigned by the service provider.

Re-enter the password on the **Confirm Password** field. **Use Wildcards** -- Check this box to enable searching with wildcards. Click the **Apply** button to save your changes or click the **Cancel** button to discard your changes. **Ethernet Setting** This page allows you to set the link mode and enable flow control for each of the four LAN ports of your Modem Router.



[You're reading an excerpt. Click here to read official TRENDNET](http://yourpdfguides.com/dref/3659765)

[TEW-658BRM user guide](http://yourpdfguides.com/dref/3659765)

<http://yourpdfguides.com/dref/3659765>