

## 300Mbps Wireless N VPN Router

TEW-659BRV

- [Quick Installation Guide \(1\)](#)
- [Troubleshooting \(7\)](#)

## 1. Before You Start

### Package Contents

- TEW-659BRV
- CD-ROM (User's Guide)
- Multi-Language Quick Installation Guide
- Network Cable (1.5m / 5ft)
- Power Adapter (12V DC, 1A)

If any of the above contents are missing, please contact your reseller.

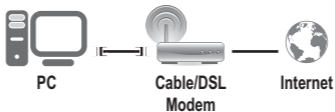
### Minimum Requirements

- A computer with a wired or wireless network adapter properly installed (Note: It is recommended that you configure the Wireless Router from a wired computer)
- Web Browser: Internet Explorer (6.0 or higher), Firefox (2.0 or higher), Opera, Chrome, Safari
- Broadband Internet
- Installed Cable or DSL Modem

## 2. How to Install

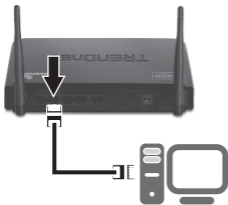
**Note:** Gather all information related to your Internet Connection before you start. If necessary, contact your Internet Service Provider (ISP).

1. Verify that you have an Internet connection when connecting your computer directly to the Cable or DSL modem. Open your browser (e.g. Internet Explorer) and type in a URL (e.g. <http://www.trendnet.com>) in the address bar.

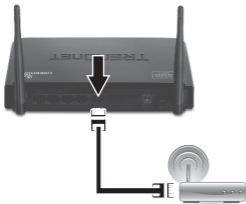


2. Power off your Cable or DSL modem.
3. Disconnect the network cable from your Cable or DSL modem and your computer.

4. Connect one end of a network cable to one of the TEW-659BRV's network ports. Connect the other end of the cable to the computer's network port.



5. Connect one end of a network cable to the TEW-659BRV's WAN port. Connect the other end of the cable to your modem's network port.



6. Connect the Power Adapter to the TEW-659BRV and then to a power outlet. Push the power button to the "On" position.



7. Power on your cable or DSL modem. Wait until the LEDs indicate that the modem is fully booted up. Consult with the modem user's guide for more information.

8. Verify that the following panel lights are on: **LAN (port 1, 2, 3, 4)** your computer is connected to) **(Green)**, **WAN (Green)** and **Wireless (Green)**. Please see troubleshooting section for additional information on LED behaviors.

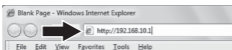


## 3. Configure the Wireless Router

### Note:

1. It is recommended that you configure the Wireless Router from a wired computer.
2. For VPN configuration instructions please refer to the User's Guide. The User's Guide is located on the provided CD-ROM.

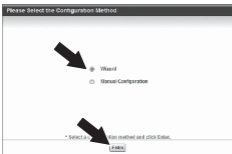
1. Open your web browser, type **http://192.168.10.1** in the Address Bar, and then press **Enter**.



2. Enter the System Password, and then click **Login**. By default: System Password: **admin**



3. Select **Wizard** and then click **Enter**.



4. Click **Next**.



5. Enter the Old password (By default, the **Password is admin**), enter a **New Password**, reconfirm the **New Password** and then click **Next**.



### Note:

1. Setting a password prevents other users from accessing the TEW-659BRV configuration.
2. It is recommended that you enter a new password. If you decide to change this setting, please write down the new password.
3. Password is limited to up to 9 characters.

6. Select your Time Zone and then click **Next**.



7. Select **Auto Detecting WAN Type** and then click **Next**.



8. Configure the settings based on information provided by your ISP. Follow the wizard instructions to complete the configuration.

Note: Each Internet Connection type may have different options.



9. You will need to configure the following:

**Wireless (Enable/ Disable):** The default setting (Enable) must be selected. Select Disable if you do not want any wireless computers or devices to connect to this device.

**Network ID (SSID):** The SSID is the wireless network name of your wireless network (e.g. wireless router or access point). Enter a unique SSID. Choose something that you would easily identify when searching for available wireless networks.

**Channel:** In most cases, the default setting should be fine.



**Note:**

1. To protect your network from any unauthorized access it is recommended to enable wireless encryption.
2. The example below is for WPA-PSK/WPA2-PSK (AES) security. If you select WPA-PSK or WPA2-PSK, make sure your wireless adapters support WPA or WPA2. If your wireless adapters do not support WPA or WPA2, then select WEP.
3. WEP encryption only supports 802.11b/g speed of up to 54Mbps.
4. Once encryption is enabled on the router, each wireless computer and device must be configured with the same encryption key.

10. Select the desired Authentication mode, select the desired Encryption type, enter characters for your Preshare key and then click **Next**. For WPA-PSK or WPA2-PSK, the Preshare key must be between 8 and 63 ASCII or 64 HEX characters. Make sure to copy down the Preshare key. You will need the Preshare key when you configure your wireless adapter(s).



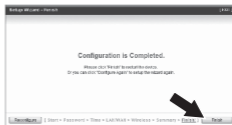
11. Click **Apply Settings**.



12. Please wait while the TEW-659BRV reboots and saves the changes.



13. Click **Finish**.



14. Open up your browser and enter in a URL (e.g. <http://www.trendnet.com>) to verify that you have Internet connection.



### Your configuration is now complete

For detailed information regarding the **TEW-659BRV**'s configuration and advanced settings, please refer to the User's Guide included on the CD-ROM, or TRENDnet's website at <http://www.trendnet.com>.

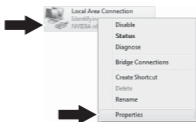
## Troubleshooting

1. I typed `http://192.168.10.1` in my Internet Browser's Address Bar, but an error message says "The page cannot be displayed." How can I get into the TEW-659BRV's web configuration page?

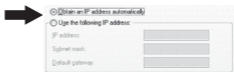
1. Check your hardware settings again by following the instructions in Section 2.
2. Make sure the Network Port and Wireless lights are lit.
3. Make sure your TCP/IP settings are set to **Obtain an IP address automatically** (see the steps below).
4. Reset the TEW-659BRV. Press the button on the front of the TEW-659BRV for 20 seconds and then let go.

### Windows 7

1. Go into the **Control Panel**, click **Network and Internet**, click **Network and Sharing Center**, click **Change Adapter Settings** and then right-click the **Local Area Connection** icon and then click **Properties**.

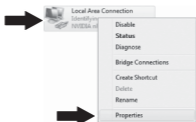


2. Click **Internet Protocol Version 4(TCP/IPv4)** and then click **Properties**. Then click on **Obtain an IP address automatically**.



### Windows Vista

1. Go into the **Control Panel**, click **Network and Internet**, click **Network and Sharing Center**, click **Manage Network Connections** and then right-click the **Local Area Connection** icon and then click **Properties**.



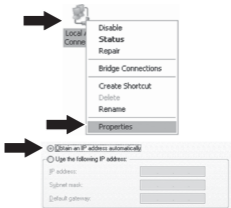
2. Click **Internet Protocol Version 4(TCP/IPv4)** and then click **Properties**. Then click on **Obtain an IP address automatically**.





## Windows XP/2000

1. Go into the **Control Panel**, double-click the **Network Connections** icon and then right-click the **Local Area Connection** icon and then click **Properties**.
2. Click **Internet Protocol (TCP/IP)** and then click **Properties**. Then click on **Obtain an IP address automatically**.





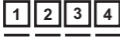

### 2. I am not sure what type of Internet Account Type I have for my cable/DSL connection. How do I find out?

Contact your Internet Service Provider's (ISP) support service for the correct information.

### 3. I went through the Wizard, but I cannot get onto the Internet. What should I do?

1. Verify that you can get onto the Internet with a direct connection into your modem.
  2. Contact your ISP and verify all the information that you have in regards to your Internet connection settings is correct.
  3. Power cycle your modem and router. Unplug the power to the modem. Turn the power switch on the TEW-659BRV to the off position. Wait 30 seconds and then reconnect the power to the modem. Wait for the modem to fully boot up and then turn the power switch on the TEW-659BRV to the on position.
- ### 4. I cannot make a wireless connection to the router. What should I do?
1. Double check that the wireless light on the router is lit.
  2. Login to your router. Enter **http://192.168.10.1** into the address bar of your router. The default system password is **admin**. Click **Configuration, Basic Setting** and then **Wireless**. Make sure **Enabled** is selected and then click **Save**.
  3. Power cycle the TEW-659BRV. Turn the power switch to the off position. Wait 30 seconds and then turn the power switch on the TEW-659BRV to the on position.
  4. Contact the manufacturer of your wireless network adapter and make sure the wireless network adapter is configured with the proper SSID. The default SSID is **TRENDnet659**. If you have enabled any encryption on the TEW-659BRV, make sure to configure the wireless network adapter with the same Preshared key.

## 5. Please give me an explanation of all the LEDs and Buttons.

LED/Button	Color	Sequence	Definition
 Wireless/WPS LED	Green	Blinking	<ul style="list-style-type: none"> <li>• Wireless LAN is on or enabled/Wireless data transmission</li> <li>• WPS is activated (Blinking rapidly for 2 minutes)</li> </ul>
	N/A	Off	Wireless LAN is off or disabled
 WAN Link/Act LED	Green	Solid	WAN port is connected at 10/20Mbps or 100/200Mbps (Half/Full Duplex)
		Blinking	WAN port data transmitting/receiving at 10/20Mbps or 100/200Mbps (Half/Full Duplex)
	N/A	Off	WAN port is disconnected/No Ethernet Link
 WAN Link/Act LED (Ports 1-4)	Green	Solid	LAN port connected at 10/20 Mbps or 100/200Mbps (Half/Full Duplex)
		Blinking	LAN port data transmitting/receiving 10/20Mbps or 100/200Mbps (Half/Full Duplex)
	N/A	Off	LAN port disconnected/No Ethernet Link
 Status LED	Green	Blinking	Device is ready
	Green	Solid/Off	Device is not ready
Reset/WPS Button	N/A	N/A	Reset: Hold 20 seconds to reset device to factory defaults. WPS: Hold 3 seconds to activate WPS.

If you still encounter problems or have any questions regarding the **TEW-659BRV**, please contact TRENDnet's Technical Support Department.

# Declaration of Conformity



## Company Information:

Company Name:  
TRENDnet, Inc.

Company Address:  
20675 Manhattan Place  
Torrance, CA 90501  
USA

## Product Information:

Product Description:  
300Mbps Wireless N VPN Router

Model Number:  
TEW-659BRV

Brand name:  
TRENDnet



## Technical Standards:

EN 300 328 V1.7.1: 10-2006  
EN 301 489-1 V1.8.1: 04-2008  
EN 301 489-17 V2.1.1 : 05-2009  
EN 50385: 2002  
EN 60950-1:2006+A11: 2009

## Declaration:

*The product is herewith confirmed to comply with the requirements of Directive 1999/5/EC of the Council (European Parliament) on the radio and telecommunications terminal equipment and Energy-related products Directive 2009/125/EC.*

*I hereby declare that the products and devices mentioned above are consistent with the standards and provisions of the guidelines.*

Sonny Su

Full Name

June 3, 2011

Date

Director of Technology

Position / Title

Signature

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You could also request the source codes by contacting TRENDnet.

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