

TEW-511BRP

Dual-Band 802.11 a+g Wireless Router Quick Installation Guide

**Guide d'installation rapide du
Routeur sans fil 802.11 a+g Dual band**

**Anleitung zur Schnellinstallation des
Drahtloser 802.11 a+g Dualband-Router**

**Guía de Instalación Rápida
Enrutador inalámbrico a+g 802.11 de Banda-Dual**

**Маршрутизатор для беспроводной связи Dual-Band 802.11 a+g
Руководство по быстрой установке**

Version 04.28.05



TRENDnet[®]
TRENDware, USA
What's Next in Networking

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English QIG

1. Prepare for Installation

Thank you for purchasing the TEW-511BRP. This Wireless AP/Router will allow you to securely share your Internet connection, files, and other resources with multiple users.

This guide will help you set up and configure your AP/Router. Following the installation instructions should be quick and easy. If you run into problems, please refer to the Troubleshooting section or the more detailed installation procedures on the User's Guide CD-ROM. If you need further technical support, please visit www.TRENDNET.com or call technical support by phone.

Verify Package Contents

Please make sure you have everything in the box:



TEW-511BRP



User's Guide CD-ROM



Quick Installation Guide



AC Power Adapter (5V, 2.5A)



RJ-45 Ethernet (LAN) Cable

Verify Equipment

Before installing the AP/Router, you should have:

1. An installed Cable/DSL Modem with an Ethernet Port
2. A Broadband Internet Account
3. A web browser such as Internet Explorer (5.0 or higher) or Netscape Navigator (4.7 or higher)
4. A network cable for each computer
5. A computer with the TCP/IP Protocol and Client for Microsoft Networks Service installed

Collect Account Information from Internet Service Provider (ISP)

During the installation of your AP/Router, the configuration utility will ask you to specify your ISP connection type. Therefore, please verify your Cable or DSL Internet broadband connection with your ISP and ensure you have all the information for one of the following connection types:

Dynamic IP Cable Connection

Nothing is required. The IP address will be automatically be assigned by your ISP.

Static or Fixed IP Cable Connection

Internet IP Address: _____ (eg. 215.24.24.129)

Subnet Mask: _____

Gateway IP Address: _____

Primary DNS: _____

Secondary DNS: _____

PPPoE Connection

Login Name: _____

Password: _____

PPTP DSL Connection

Internet IP Address: _____ (eg. 215.24.24.129)

Subnet Mask: _____

Gateway IP Address: _____

PPTP Server IP: _____

Login Name: _____

Password: _____

2. Install Hardware

1. Connect one RJ-45 network cable from the Cable/DSL Modem's Ethernet port to the WAN port on the AP/Router.
2. Connect a different RJ-45 network cable from one of the AP/Router's LAN ports to your computer's network port.
3. Turn on your Cable/DSL modem.
4. Connect the included Power Adapter to your AP/Router and to your power outlet; your AP/Router should turn on.
5. Turn on your computer



Verify Hardware Installation

Verify that the following front panel lights are on: Power, Internet, and one LAN port LED for each wired computer connected to the AP/Router.

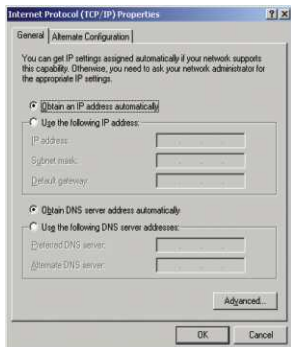


NOTE: Due to European Wireless Regulations, Super A Mode is not supported in the EU version.

3. Configure the computer's TCP/IP Settings

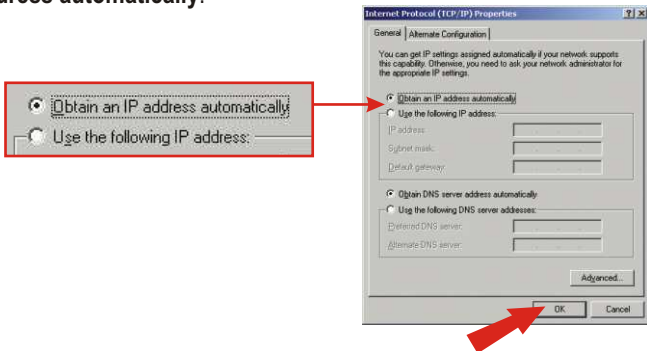
Windows 2000/XP

1. Click **Start**; click **Settings** and click on **Control Panel**
2. Double-Click the **Network Connections** icon.
3. Right-Click on the **Local Area Connection** icon, and then click on **Properties**. The Local Area Connection Properties box will appear.
4. Under the **General Configuration Tab**, locate and select **TCP/IP**, then click **Properties**. The Internet Protocol (TCP/IP) Properties box will appear.

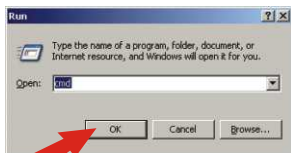


NOTE: If you have a Fixed IP address connection, write down the existing IP addresses from the following sections before you make any changes.

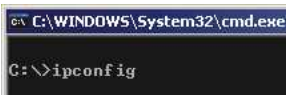
5. Click on **Obtain an IP address automatically** and **Obtain DNS Server address automatically**.



6. Click **OK**.
7. Click **Close** on the Local Area Connection Properties box.
8. Click **Start**; click on **Run**. Then type **cmd** and click **OK**.



9. The Command Prompt window will appear. Type **ipconfig** at the **C:\>** prompt and press the **Enter** key.



10. If your IP Configuration reads as follows, your computer is successfully connected to the router:

IP Address: 192.168.1.x (x= any number from 2~255)

Subnet Mask: 255.255.255.0

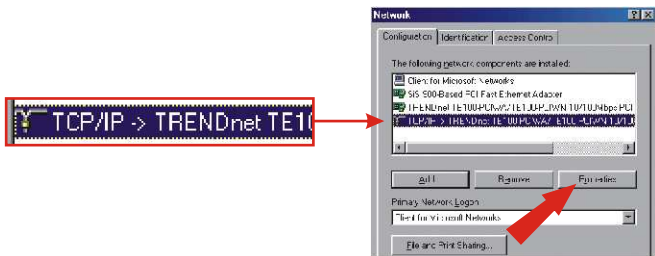
Default Gateway: 192.168.1.1



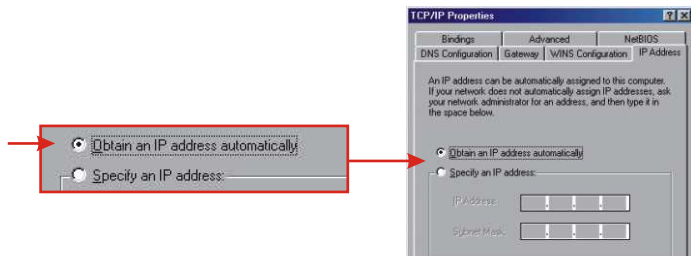
NOTE: If your IP Configuration does not match the values above, please restart your computer and retry the steps in this section.

Windows 95/98/SE/ME

1. Click **Start**; click **Settings** and then click on **Control Panel**.
2. Double-Click the Network icon and the Network Properties box will appear.
3. Under the **Configuration** Tab, locate and select **TCP/IP** with the corresponding network card (such as TRENDnet TE100-PCIWN 10/100Mbps Network Adapter), then click on the **Properties** button.



4. Under the IP Address Tab, click on the **Obtain an IP address automatically** option.



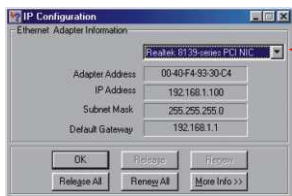
5. Click **OK** on the TCP/IP Properties box.
6. Click **OK** on the Network Box.
7. At this point, the installation may require files from your Windows CD-ROM. If this happens, insert your Windows CD-ROM into your CD-ROM drive and select **CD-ROM drive** to load the files.

8. After the files load, the **System Settings Change** will appear, click **Yes** to reboot your system. This will update your computer with the new settings.



NOTE: If the message does not appear, you need to manually restart your computer.

9. After your system reboots, click **Start** and click on **Run**. Then type **wiwinipcfg** in the field and then click **OK**.
10. The IP configuration box will appear. Choose your network adapter from the dropdown box, and the utility will display your computer's current IP address information.



11. If your IP Address reads as follows, your computer is successfully connected to the router:
- IP Address: 192.168.1.x (x= any number from 2~255)
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.1.1

NOTE: If your IP configuration does not match the values above, please restart your computer and retry the steps in this section.

4. Configure your AP/Router

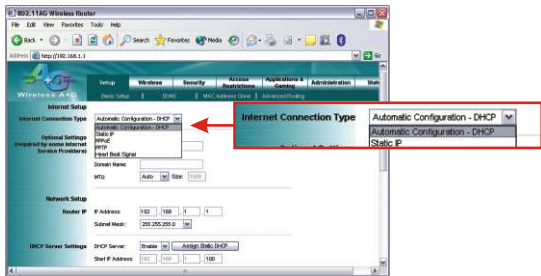
The following section will help you configure your AP/Router to connect to the Internet and your PCs. The setup differs and is dependent on the type of Internet connection you have. If you are not sure what type of connection you have, please contact your ISP to obtain the required information, which is listed in the **Prepare for Installation** section at the beginning of this Quick Installation Guide.

1. Open your web browser, type **http://192.168.1.1** in the Address bar, and press **Enter**.
2. An authentication window will appear. Enter the username and password, and then click **OK**. By default, the username is blank, and the password is "admin."



NOTE: To reset the password on the AP/Router, refer to the User's Guide CD-ROM.

The “Internet Setup” page will appear. In the **Optional Settings** section, enter a host name and domain name (if required by your ISP). Then, select your Connection Type from the pull down menu, (Automatic Configuration - DHCP, Static IP, PPPoE, or PPTP) and proceed to the appropriate subset of instructions below.



Automatic Configuration - DHCP

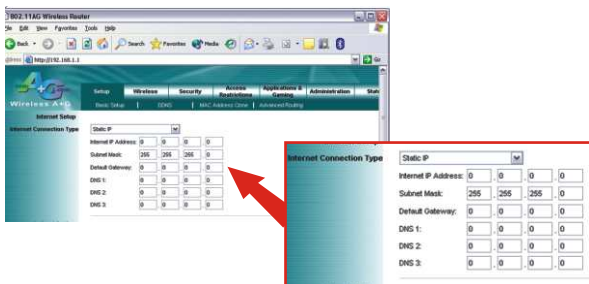
3. Select **Automatic Configuration - DHCP** as the Connection Type.



4. Go to step 14.

Static IP

5. Select **Static IP Address** as the Connection Type.
6. Enter the IP address, subnet mask, default gateway, and domain name server (DNS) provided by your ISP.



7. Go to step 14.

PPPoE

8. Select **PPPoE** as the Connection Type.
9. Enter your username and password.

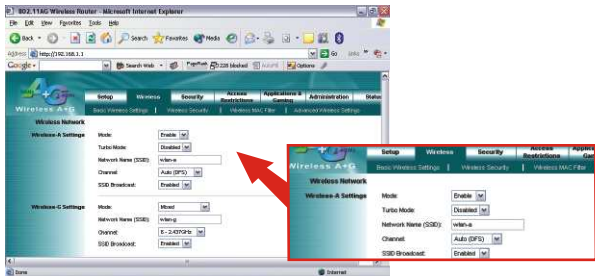


NOTE: By default, the “keep alive” option will be selected; this is the recommended setting for most users.

10. Go to step 14.

5. Wireless Configuration

1. Click **Wireless**. The recommended settings will be automatically selected for you. You may, however, choose to select a different channel and/or network name (SSID).



NOTE: You must remember your “network name (SSID),” as you will need it when you configure your wireless network adapter to connect to your access point. If you wish to enable WEP for encryption-based security, refer to the included User’s Guide CD-ROM for instructions.

2. Click **Apply** (at the bottom of the page).

Configure your Wireless Network Adapter

In this example, the TEW-501PC Super A+G Wireless Utility will connect to the TEW-511BRP.

1. Open the wireless utility that came with your network adapter and click **AP List**.



2. Select the SSID that was assigned to TEW-511BRP. Click **Connect**.

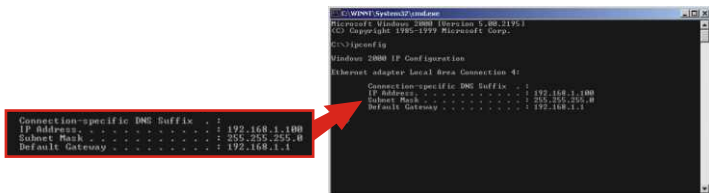


6. Test your Connection

Windows 2000/XP

NOTE: You should disconnect the RJ-45 Ethernet cable from your computer's LAN port if you wish to test your wireless connection.

1. Click the **Start** button; click **Run**, type “cmd” in the text-field, and press the **Enter** key.
2. At the command prompt, type “ipconfig” and press the **Enter** key.
3. If the application displays an IP address of “192.168.1.x,” your computer is connected to your access point.



```
C:\WINNT\System32\cmd.exe
Microsoft Windows [Version 5.00.2195]
(C) Copyright 1995-1999 Microsoft Corp.

C:\>ipconfig

Windows 2000 IP Configuration

Ethernet adapter Local Area Connection 4:

    Connection-specific DNS Suffix . : 
    IP Address . . . . . : 192.168.1.100
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1
```

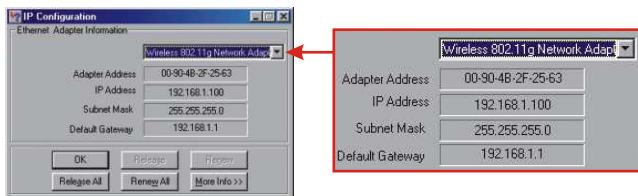
4. Open your web browser, type **www.trendnet.com** (or another reliable URL) into the address bar, and press the **Enter** key. If the website appears, your router is successfully connected to the Internet.

NOTE: If your computer is not obtaining an IP address or is not connecting to the Internet, please retry the steps in the “Configure your AP/Router” section or refer to the troubleshooting section of this Quick Installation Guide.

Windows 95/98/98SE/98ME

NOTE: You should disconnect the RJ-45 Ethernet cable from your computer's LAN port if you wish to test your wireless connection.

1. Click the **Start** button; click **Run**, type "winipcfg" in the text-field, and press the **Enter** key.
2. Select your Wireless Network Adapter from the dropdown menu, and the utility will display your computer's current IP Address information. If the application displays an IP address of "192.168.1.x," your computer is connecting to your access point.



3. Open your web browser, type **www.trendnet.com** (or another reliable URL) into the address bar, and press **Enter**. If the website appears, your router is connecting to the Internet.

NOTE: If your computer is not obtaining an IP address or is not connecting to the Internet, please retry the steps in the "Configure your AP/Router" section or refer to the troubleshooting section of this Quick Installation Guide.

Troubleshooting

For help with the TEW-511BRP's configuration and advanced settings, please refer to the User's Guide CD-ROM.

Q1. I specified the IP address "192.168.1.1" in my web browser, but an error message says "The page cannot be displayed." How can I get into the TEW-511BRP web configuration page?

A1. Please verify your hardware and TCP/IP settings again by following the instructions in sections 2-3, make sure the Power, Internet, WAN, and the LAN lights on the AP/Router's front panel are on, and verify that the TCP/IP configuration is correct. Then, try accessing 192.168.1.1 again using your web browser.

Q2. I am not sure what type of Internet Account I have for my Cable/DSL connection, How do I find out?

A2. You can simply contact your Internet Service Provider's (ISP) Customer Service or Technical Support Department for the correct information.

Q3. I set up my internet connection type and saved it, but I still cannot connect to the Internet. What should I do?

A3. Option 1: On the TEW-511BRP's configuration menu, click the Status tab at the top of the page, and then scroll down to the WAN section. Click the WAN IP Release button, and then click the WAN IP Renew button. This will allow the AP/Router to refresh the connection with your ISP. Then, try accessing a website such as <http://www.trendnet.com> with your Internet browser.

Option 2: Turn off your Cable/DSL modem, AP/Router, and your PC. Turn on the Cable/DSL modem, and wait 60 seconds. Then, turn on the AP/Router, followed by your PC. This simple power cycle normally helps the AP/Router find your Internet connection. Then, try browsing a website such as <http://www.trendnet.com> with your web browser.

Note: For help with the TEW-511BRP's configuration and advanced settings, please refer to the User's Guide CD-ROM.

If you still encounter problems setting up your AP/Router, we can help. Please have your Internet account information ready, (ISP, Account Type) and contact us using the information below.

Certifications

This equipment has been tested and found to comply with FCC and CE Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.



Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

If this device is going to be operated in 5.15 ~ 5.25GHz frequency range, then it is restricted in indoor environment only.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

TRENDware declares that TEW-511BRP (FCC ID: RYK-WL7615A) is limited in CH1~CH11 for 2.4 GHz by specified firmware controlled in U.S.A.



What's Next in Networking

Product Warranty Registration

Please take a moment to register your product online.
Go to TRENDware's website at <http://www.TRENDNET.com>

TRENDnet Technical Support

US/Canada Support Center

Contact

Telephone: 1(310) 626-6252
Fax: 1(310) 626-6267
Email: support@trendnet.com

Tech Support Hours

7:30am - 6:00pm Pacific Standard Time
Monday - Friday

European Support Center

Contact

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Monday - Friday

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