

## Quick Installation Guide

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[www.trendnet.com](http://www.trendnet.com)



**Cable/DSL VPN Firewall Router**  
**Cable/DSL Advanced VPN Firewall Router**

**TRENDware International, Inc.**

Torrance, CA USA  
[www.trendnet.com](http://www.trendnet.com)

**TRENDnet**  
TRENDware, USA

# Requirements

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- DSL or Cable modem for broadband Internet access.
- Standard Network cables.
- TCP/IP network protocol installed on each PC.

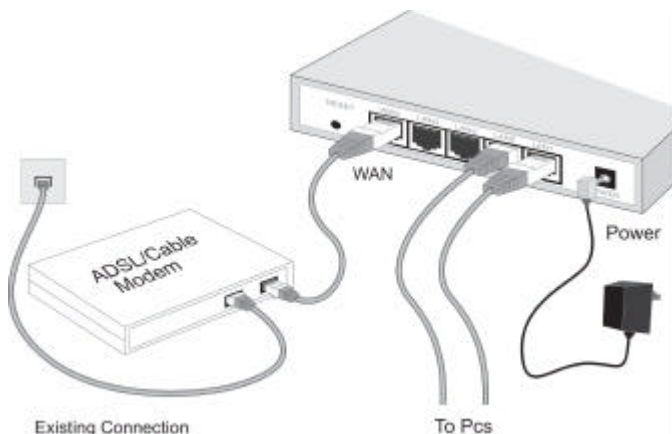
# Setup

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## 1 Physical Installation

### TW100-BRF204 (VPN Firewall Router)

1. Ensure the Firewall VPN Router and the DSL/Cable modem are powered OFF before commencing. Leave your DSL/Cable modem connected to its wall socket (phone line or cable input).



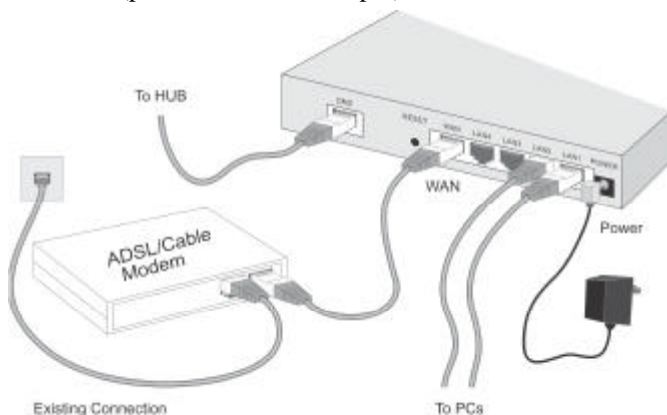
2. Use standard LAN cables to connect PCs to the 10/100 BaseT LAN ports on the VPN Firewall Router.

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- If required, connect any LAN port on the VPN Router to a normal port on another Hub/Switch, using a standard LAN cable.
  - Any LAN port on the VPN Firewall Router will automatically function as an "Uplink" port when required.
3. Connect your DSL/Cable **Modem** to the **WAN** port on the VPN Firewall Router. Use the cable supplied with your DSL/Cable modem, or a standard network cable.
  4. Connect the supplied Power Adapter and power on.
  5. Check the LEDs
    - The *Power* LED should be ON.
    - The *Status* LED should flash, then turn Off. If it stays on, there is a hardware error.
    - The *WAN* LED should be ON.
    - For each active LAN (PC) connection, the LAN *Link/Act* LED should be ON.

## TW100-BRV304 (Advanced VPN Firewall Router)

1. Ensure the Advanced VPN Firewall Router and the DSL/Cable modem are powered OFF before commencing. Leave your DSL/Cable modem connected to its wall socket (phone line or cable input).



2. Use standard LAN cables to connect PCs to the LAN ports on the Advanced VPN Firewall Router.
  - If required, connect any LAN port on the Advanced VPN Firewall Router to a normal port on another Hub/Switch, using a standard LAN cable. (Any LAN port will automatically function as an "Uplink" port when required.)
  - If desired, connect the DMZ port to a standard port on another Hub or Switch. PCs connected to this hub will also gain Internet access, but will NOT be able to access the rest of the LAN.
3. Connect your DSL/Cable **Modem** to the **WAN** port on the Advanced VPN Firewall Router. Use the cable supplied with your DSL/Cable modem, or a standard network cable.
4. Connect the supplied Power Adapter and power on.

## 5. Check the LEDs

- The *Status* LED should flash, then turn Off. If it stays on, there is a hardware error.
- The *WAN* LED should be ON.
- For each active LAN (PC) connection, the LAN *Link/Act* LED should be ON.

## ② Configuration

The TW100-BRV204 and TW100-BRV304 can "Plug and Play" if your DSL/Cable modem account uses dynamic IP address connection only.

### Testing Plug and Play

1. Power up the DSL/Cable modem.
  2. Power up the TW100-BRV204 or TW100-BRV304.
  3. Power up the PCs.
  4. On the PC, start your Web Browser, and try to connect to an internet site, such as [www.trendnet.com](http://www.trendnet.com)
- If this doesn't work, follow the procedure in the next section, **Manual Configuration**.
  - If this works on some PCs, but not all, see **PC Setup** for details on configuring the PCs which do not work.

### Manual Configuration

1. Start your PC. If it is already started, restart it. It will then obtain an IP Address from the TW100-BRV204 or TW100-BRV303's DHCP Server.
2. Start your WEB browser. In the *Address* box, enter the following:

[HTTP://192.168.0.1](http://192.168.0.1)

3. Click *Setup Wizard* on the main menu.
4. Step through the Wizard until finished. Refer to the data from your ISP, and the table below, to ensure your choices are correct.

<b>Connection Type</b>	<b>Data required.</b>
Dynamic IP Address	Usually, none. But some ISP may require a particular Hostname, Domain name, or MAC (physical) address.
Specified (Fixed) IP Address	IP, Gateway, Subnet Mask and DNS Addresses allocated to you, and related information.
PPPoE	Login name and password.
PPTP, BigPond	Login name and password, Server IP Address

5. On the final screen of the Wizard, run the test and check that an Internet connection can be established.
    - If the connection fails, check both your data and the Cable/DSL modem.
    - If your ISP has recorded your MAC (physical) address, change the MAC address (on the Wizard's *Cable Modem* screen) to match the value expected by your ISP.
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# PC Setup - Windows

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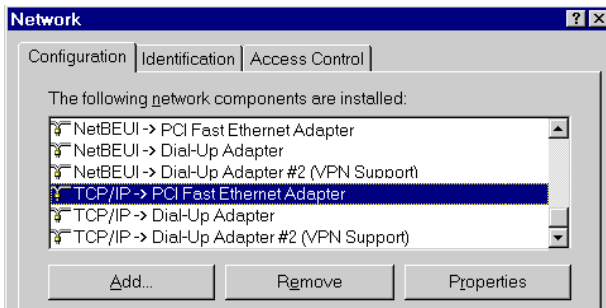
## 1 TCP/IP Setup

- If using the default VPN Firewall Routers settings, and the default Windows TCP/IP settings, no changes need to be made.
- If using a specified (fixed) IP address on your PC, refer to the user manual for details of the required changes:
  - The *Gateway* must be set to the IP address of the Broadband VPN Gateway
  - The *DNS* should be set to the address provided by your ISP.

## Windows 95

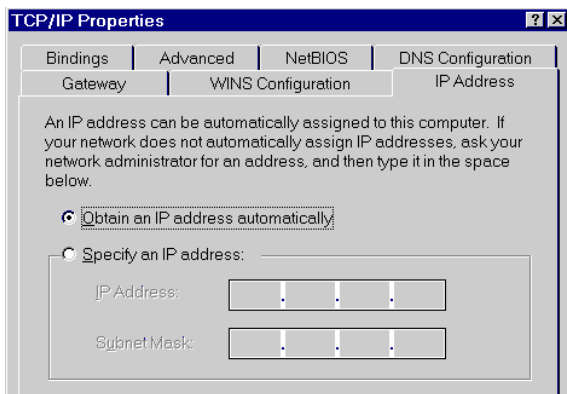
On Windows 95, TCP/IP was not installed by default. To check if TCP/IP is installed:

1. Use *Start - Settings - Control Panel - Network* to view a screen like the example below.



2. If TCP/IP is not listed, click *Add - Protocol - Microsoft - TCP/IP* to install it.

3. The default TCP/IP properties are correct and do not need to be changed. To view the properties, select the TCP/IP entry for your network card, as shown above, and click the *Properties* button. You will see a screen like the example below.



4. The option "Obtain an IP address automatically" should be selected, as shown above.

## ② Internet Access

### For Windows 9x/ME/2000

1. Select *Start Menu* → *Settings* → *Control Panel* → *Internet Options*.
2. Select the *Connection* tab, and click the *Setup* button.
3. Select "I want to set up my Internet connection manually, or I want to connect through a local area network (LAN)" and click *Next*.
4. Select "I connect through a local area network (LAN)" and click *Next*.



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5. Ensure all of the boxes on the following Local area network Internet Configuration screen are **unchecked**.
6. Check the "No" option when prompted "Do you want to set up an Internet mail account now?".
7. Click *Finish* to close the Internet Connection Wizard. Setup is now completed.

### **For Windows XP**

1. Select *Start Menu - Control Panel - Network and Internet Connections*.
2. Select *Set up or change your Internet Connection*.
3. Select the *Connection* tab, and click the *Setup* button.
4. Cancel the pop-up "Location Information" screen.
5. Click *Next* on the "New Connection Wizard" screen.
6. Select "Connect to the Internet" and click *Next*.
7. Select "Set up my connection manually" and click *Next*.
8. Check "Connect using a broadband connection that is always on" and click *Next*.
9. Click *Finish* to close the New Connection Wizard. Setup is now completed.

# Macintosh Setup

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## ① Internet Access

1. Open the TCP/IP Control Panel.
2. Select *Ethernet* from the *Connect via* pop-up menu.
3. Select *Using DHCP Server* from the *Configure* pop-up menu. The DHCP Client ID field can be left blank.
4. Close the TCP/IP panel, saving your settings.

### **Note:**

If using manually assigned IP addresses instead of DHCP, the required changes are:

- Set the *Router Address* field to the Broadband VPN Gateway's IP Address.
- Ensure your DNS settings are correct.

# Linux Setup using X Windows

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## ① Internet Access

Follow this procedure to set your system to act as a DHCP client, obtaining an IP Address and related data from the Broadband VPN Gateway's DHCP Server.

1. Start your X Windows client.
2. Select *Control Panel - Network*
3. Select the "Interface" entry for your Network card. Normally, this will be called "eth0".
4. Click the *Edit* button, set the "protocol" to "DHCP", and save this data.
5. To apply your changes
  - Use the "Deactivate" and "Activate" buttons
  - OR, restart your system.



- **This guide covers only the most common situations. Please refer to the full User's Guide for each model on the CD-ROM.**

# Technical Support

You can find the most recent driver/firmware/software and user documentation on the **TRENDware website**. **TRENDware** provides **FREE technical support** for all customers for the duration of the warranty period on this product.

## **TRENDware Technical Support**

**Tel: +1-310-891-1100**

**Fax: +1-310-891-1111**

**E-mail: [support@trendware.com](mailto:support@trendware.com)**

**[www.trendnet.com](http://www.trendnet.com)**

**Monday ~ Friday, 7:30AM ~ 6:00PM Pacific Standard Time**

**(except holidays)**