# TW100-BRF114U

**4-port Cable/DSL Firewall Router w/ Integrated USB Print Server
Quick Installation Guide**

**Guide d'installation rapide du
Routeur Câble/DSI de 4 ports avec un serveur d'impression USB intégré.**

**Anleitung zur Schnellinstallation des
4-Port Kabel/DSL Firewall Router mit integriertem USB Print Server**

**Guía de Instalación Rápida
Enrutador Firewall Cable/DSL de 4 puertos
con Servidora de Impresión USB Integrada**

Version 07.01.04
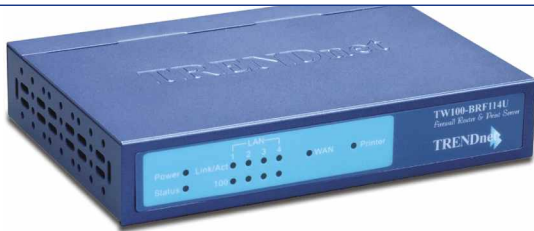
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TRENDware, USA
What's Next in Networking

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English QIG
1. Prepare for Installation

Thank you for purchasing the TW100-BRF114U 4-port Cable/DSL Firewall Router w/ Integrated USB Print Server. The TW100-BRF114U will allow you to securely share your broadband Internet connection, files, and USB Printer with multiple users.

This guide will help you set up and configure your router. Following the installation instructions should be quick and easy. If you run into problems, please refer to the Troubleshooting section or to the User's Guide on the included 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:

TW100-BRF114U	CD-ROM	Quick Installation Guide

AC Power Adapter	RJ-45 Ethernet (LAN) Cable

Verify Equipment

Before installing the TW100-BRF114U, you should have:
1. An installed Cable/DSL Modem with an Ethernet Port
2. An activated Broadband Internet Account
3. A Web Browser such as Internet Explorer (5.0 or higher) or Netscape Navigator (4.7 or higher)
4. An RJ-45 Network Cable for each computer you wish to connect to the router
5. A computer with the TCP/IP Protocol and Client for Microsoft Networks Service installed
6. A USB Printer and USB Cable (for printer sharing)
7. Windows 95/98/ME/2000/XP installed on your computer (for printer sharing)

Collect Internet Service Provider (ISP) Information

During the installation of your router, the Setup Wizard will ask you for specific Internet Service Provider (ISP) information your ISP should have provided you with when you first installed your Cable or DSL connection. The required information is different based on your type of Internet Connection. Please verify your Internet Connection type and ensure you have the required information for your Connection type:

Dynamic IP Cable Connection
Nothing required. IP address will automatically be assigned.

Static or Fixed IP Cable Connection
Internet IP Address:____.____.____.____(eg. 215.24.24.129)
Subnet Mask: ____. ____. ____. _____
Gateway IP Address:____.____.____._____
Primary DNS:____.____._____._____
Secondary DNS:_____._____._____.____

PPPoE DSL Connection
Login Name:_____
Password:_____
IP Address Type: Standard (Single IP Address) or Unnumbered (Multiple IP Addresses)
IP Address (for Static IP Addresses only): _____._____._____.____
Subnet Mask (for Static IP Addresses only): _____._____._____.____
DNS (if required by your ISP):____.____._____._____

PPTP DSL Connection
Login Name:_____
Password:_____
PPTP Server IP Address: _____._____._____.____
IP Address (for Static IP Addresses only): _____._____._____.____
Subnet Mask (for Static IP Addresses only): _____._____._____.____
Gateway IP Address (for Static IP Addresses only):____.____.____._____
DNS (if required by your ISP):____.____._____._____

MAC Address Base Cable Modem Connection
Your ISP's Registered MAC Address for your Internet
Account:___.____.____.____ .____.____ (eg. 12-AB-CD-QQ-34-EF)

(The MAC Address is normally associated with the Cable modem or the Network Card in the PC)

2. Install Hardware

1. Turn off your Cable/DSL Modem and PC.
2. Connect one RJ-45 network cable from your Cable/DSL Modem's Ethernet port to the TW100-BRF114U's WAN port.
3. Connect a different RJ-45 network cable from one of the TW100-BRF114U's LAN ports to your computer's Ethernet port.
4. Connect a USB cable from your printer to the TW100-BRF114U's USB printer port.
5. Turn on your Cable/DSL modem.
6. Turn on your printer.
7. Connect the included power adapter to the TW100-BRF114U and to a power outlet; the TW100-BRF114U will turn on.
8. Turn on your computer.

Verify Hardware Installation

Check to make sure the following router front panel lights are on: Power, Printer, WAN, and one LAN LED for each computer connected to the TW100-BRF114U.
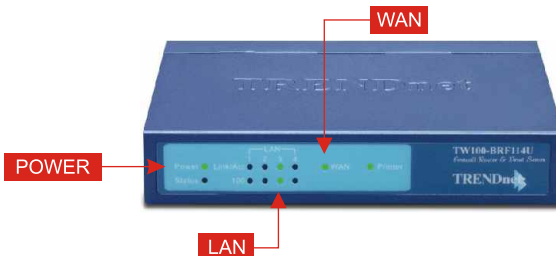
Windows 2000/XP

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 i**con, and then click on **Properties**. The Local Area Connection Properties box will appear.

4. Under the **General Configuration** Tab, locate and select **TCP/IP** and then click **Properties**. The Internet Protocol (TCP/IP) Properties box will appear.
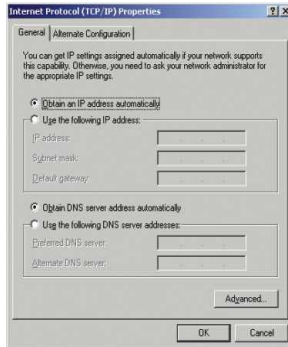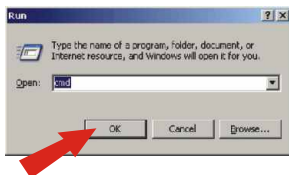

> **NOTE:** If you have a Fixed IP address connection, write down the existing IP addresses from the following sections before you make any changes.
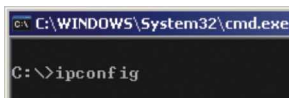
5. Click on **Obtain an IP address automatically** and **Obtain DNS Server address automatically**.
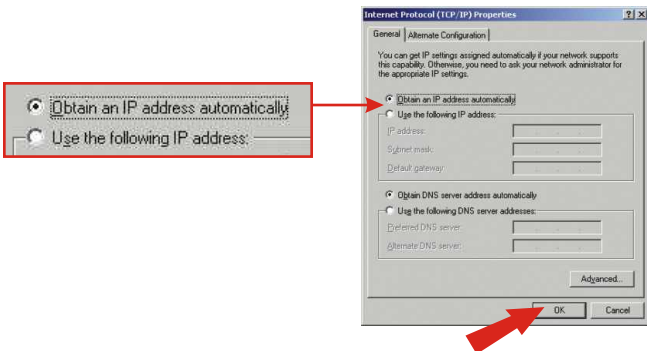
6. Click **OK**.
7. Click **Close** on the Local Area Connection Properties box.
8. Click **Start**; click on **Run**. Then type **cmd** and click **OK**.
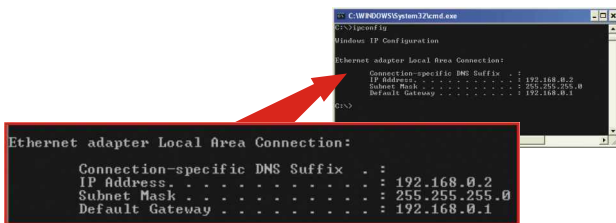

9. The Command Prompt window will appear. Type **ipconfig** at the C:\ prompt and press the **Enter** key.

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

       IP Address: 192.168.0.x
       Subnet Mask: 255.255.255.0
   Default Gateway: 192.168.0.1

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

English

Windows 95/98/98SE/ME

1. Find the **Start** Button located on Desktop.
2. Click **Start**; click **Settings** and then click on **Control Panel**.
3. Double-Click the Network icon and the Network Properties box will appear.
4. Under the **General 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.
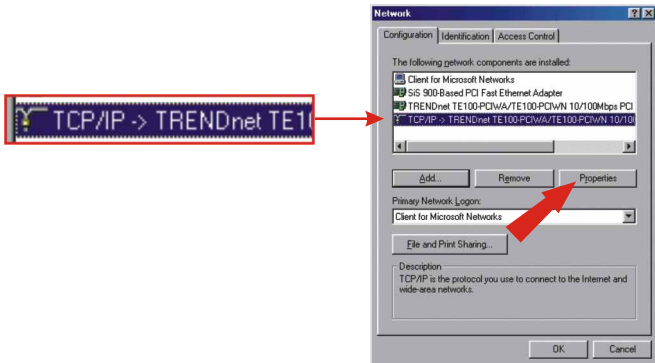
**5.** Under the IP Address Tab, click on the **Obtain an IP address automatically** option.
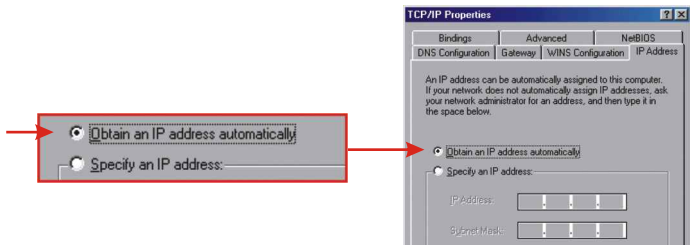
6. Click **OK** on the TCP/IP Properties box.
7. Click **OK** on the Network Box.
8. At this point, the installation may require files from your Windows CD-ROM. If this happens, insert your Windows 98 CD-ROM into your CD-ROM drive and select **CD-ROM drive** to load the files.

9. After the files load, the **System Settings Change** message appears, click **Yes** to reboot your system. This will update your computer with the new settings.
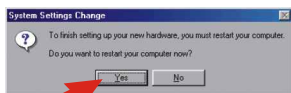
NOTE: If the message does not appear, you need to manually restart your computer.

10. After your system reboots, click **Start** and click on **Run**. Then type **winipcfg** in the field and then click **OK**.

11. The IP configuration box will appear. Choose your network adapter from the dropdown box (such as TRENDnet TE100-PCIWN 10/100Mbps network adapter) and your computer current IP address information will show in the box.

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

IP Address: 192.168.0.x
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.0.1

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

4. Configure the Router

The following section will help you configure your router to connect to the Internet. 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.

A. Dynamic IP Cable Connection

Launch your web browser, (Explorer or Navigator) type **http:/www.trendnet.com** in the address bar, and hit the **Enter** key. If the website appears, your router is configured properly.

> **NOTE:** If the web site does not come up, please turn off your Cable/DSL modem, router, and PC. Then turn them back on one by one, and try to access the Internet again. Please verify your connection type with your ISP if you still have problems connecting to the Internet.
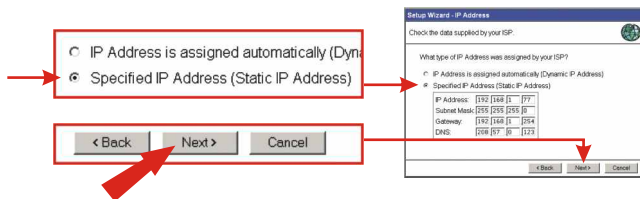
B. Fixed IP Cable Connection

1. Open your web browser (Explorer or Netscape), then type http://192.168.0.1 in the address bar and hit the Enter key. The setup wizard will appear. Click the **Next** button to start the configuration.
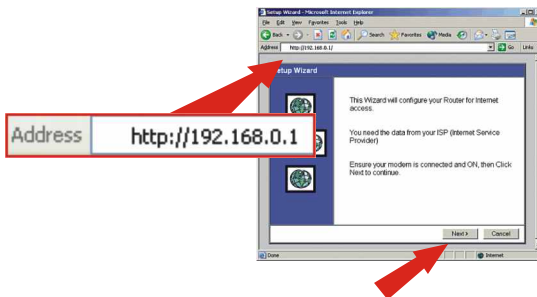
2. Select **Cable Modem (TV-style cable)** option then click **Next**. Enter a Host name for the router and click **Next** to continue.
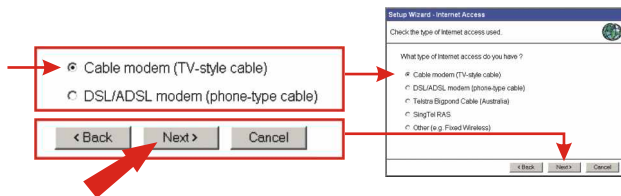
3. Select the **Specified IP Address (Static IP Address)** option and enter the IP address information provided by your ISP, then click **Next** to continue.
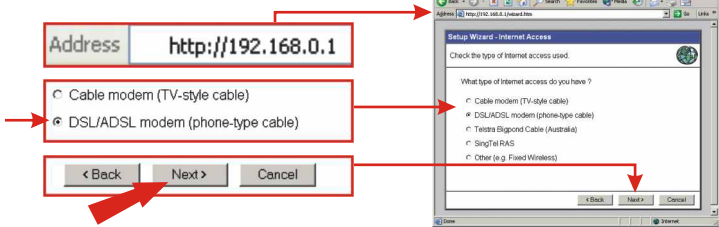

4. Click **Finish,** and the router will test your Internet connection, if the Test Result says **Test successful**, hit the **Close** button; your router is ready to use.
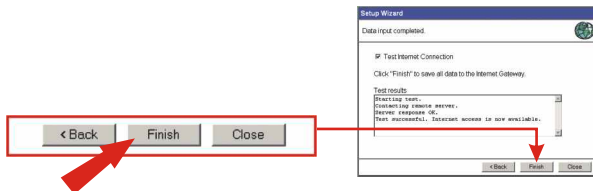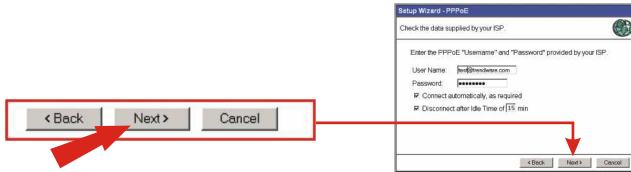

NOTE: If the website does not appear, please verify your connection type with your ISP and retry the steps in this section.
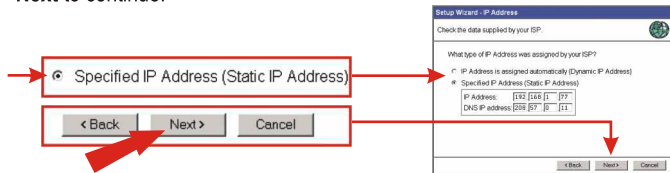
C. PPPoE DSL Connection

1. Open your web browser (Explorer or Netscape), then type http://192.168.0.1 in the address bar and hit the Enter key. Click the **Next** button to start. Select **DSL/ADSL Modem (phone-type cable)** option and click **Next**.

2. Select **PPPoE** as Internet Access login type and click **Next**.
3. Enter the PPPoE account information provided by your ISP and click **Next**.

4. Select **Specified IP Address** if you have a Fixed IP PPPoE account. Otherwise, click **Next** to continue.
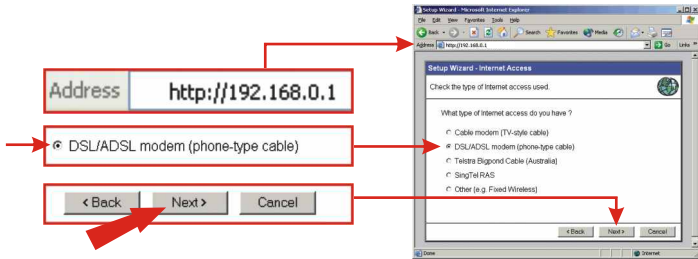

5. Click **Finish,** and the router will test your Internet connection, if the Test Result says **Test successful**, hit the **Close** button, your router is ready to use.

> **NOTE:** If the website does not appear, please verify your connection type with your ISP and retry the steps in this section.
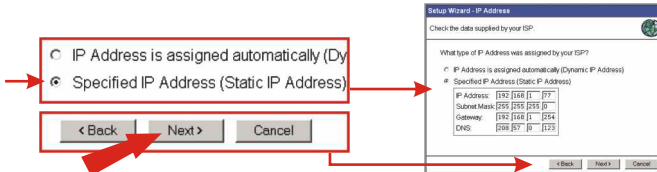
D. PPTP DSL Connection

1. Open your web browser (Explorer or Netscape), then type http://192.168.0.1 in the address bar and hit the Enter key. Click the **Next** button to start. Select **DSL/ADSL Modem (phone-type cable)** Option and click **Next**.

2. Select **PPTP** as Internet Access login type and click **Next**.
3. Enter the PPPoE account information provided by your ISP and click **Next**.

4. Select **Specified IP Address** if you have a Fixed IP PPTP account. Otherwise, click **Next** to continue.
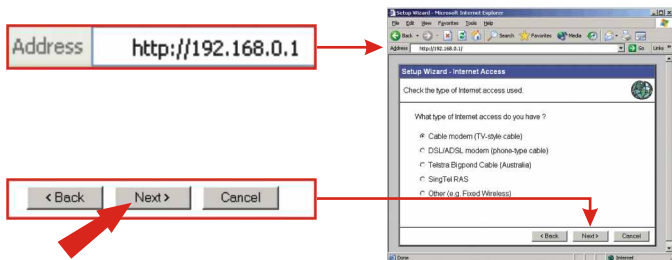

5. Click **Finish,** and the router will test your Internet connection, if the Test Result says **Test successful**, hit the **Close** button; your router is ready to use.
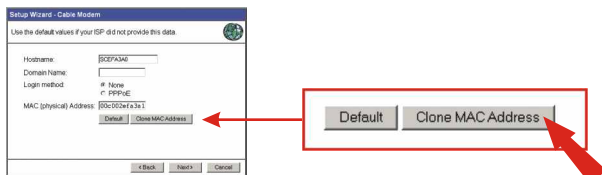

NOTE: If the website does not appear, please verify your connection type with your ISP and retry the steps in this section.

E. MAC Address Cable Connection

1. Open your web browser (Explorer or Netscape), then type http://192.168.0.1 in the address bar and hit the **Enter** key. Click the **Next** button to start. Select Cable Modem **(TV-style cable)** option and click **Next**.

2. In the MAC Address section, if the registered MAC Address from your ISP is different from the MAC Address diplayed, please enter the registered MAC Address from your ISP. Otherwise, hit the **Clone MAC Address** button and click **Next** to continue.

3. Click **Finish,** and the router will test your Internet connection, if the Test Result says **Test successful**, hit the **Close** button and your router is ready to use.

> **NOTE:** If the website does not appear, please verify your connection type with your ISP and retry the steps in this section.

5. Install the Print Server

Windows 95/98/98SE/ME/2000/XP

1. Insert the TW100-BRF114U CD-ROM into your computer's CD-ROM drive; the installation menu window will appear automatically. If the window does not appear automatically, click **Start**, click **Run**, and type **E:\Setup.exe** in the text-field. Click **OK**.

> **Note:** Replace "E" in "E:\Setup.exe" with whichever letter is assigned to your CD-ROM drive
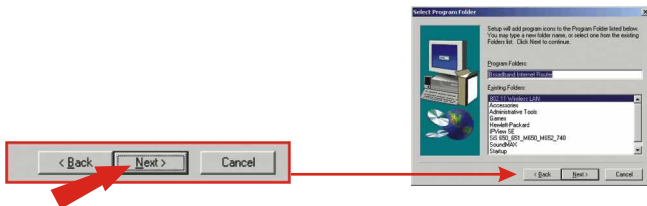
2. The "Broadband Internet Router Setup" Welcome screen will appear; click **Next.**
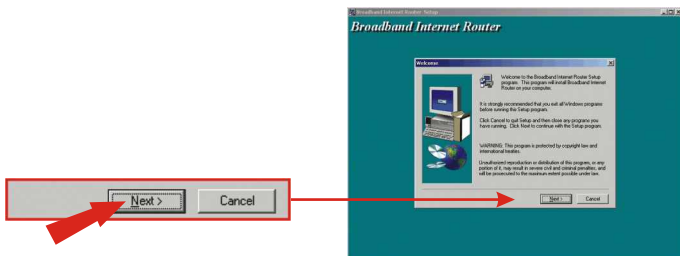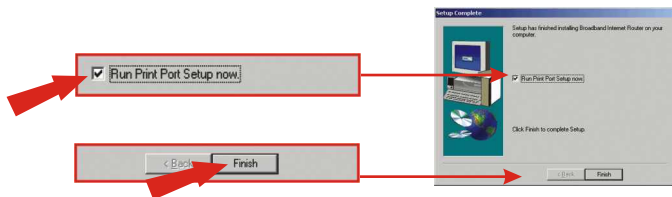

3. Click **Next**.
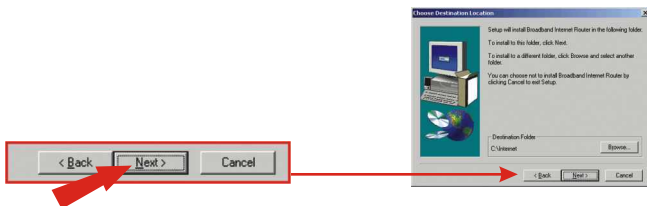
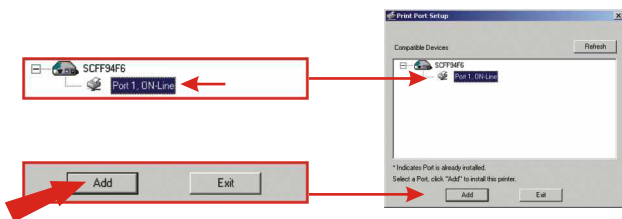**4.** Click **Next**.

5. Ensure that the **Run Print Port Setup now** option is selected, and click **Finish**.

6. Make sure your USB printer is connected to the AP/Router and that both are turned on. Then, click **OK**.

7. Select the Port that appears under "SCFF94F6," and click **Add**.

8. You will be asked if the printer that's connected to the port is an Epson Stylus Color printer. If it is, click **Yes** and follow the model-specific instructions. If it isn't, click **No** to add the selected print port.
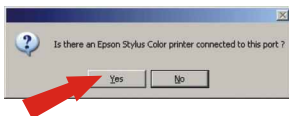
9. Click **OK**. The "Add Printer Wizard" will load.

10. Select the appropriate Printer Manufacturer and Model, or select the **Have Disk** option if your printer is not listed. Click **Next**, and follow the onscreen prompts to install your printer.

Q1. I specified the IP address "192.168.0.1" in my web browser, but an error message says "The page cannot be displayed." How can I get into the TW100-BRF114U web configuration page?

A1. Please verify your hardware and TCP/IP settings again by following the instructions in sections 2-3, and make sure the Power, WAN, and the LAN lights on the AP/Router's front panel are on. Then, try accessing 192.168.0.1 again using your web browser.

Q2. I am not sure what type of Internet Account Type 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: Click the Status button on the TW100-BRF114U's main configuration page. On the Status page, click the Connection Detail button. Click the Release/Renew button to allow the router to refresh the connection to your ISP. Then, try browsing a website such as http://www.trendnet.com again with your web browser.
Option 2: Turn off your Cable/DSL modem, TW100-BRF114U, and your PC. Turn on the Cable/DSL modem and wait 60 seconds. Then, turn on the Tw100-BRF114U, followed by your PC. This simple power cycle normally helps the router find your Internet connection. Then, try browsing a website such as http://www.trendnet.com again with your web browser.

Q4. I'm trying to configure the Print Server to work with my printer, but the "Add Port" utility is unable to find my printer. What should I do?

A4. First, verify that the Printer LED on the TW100-BRF114U is lit. If it isn't, ensure that both your printer and the TW100-BRF114U are turned on and that the USB cable is securely connected to the connectors on both devices. Then, try browsing a website such as http://www.trendnet.com again with your web browser.

Note: For help with the TW100-BRF114U's configuration and advanced settings, please refer to the User's Guide on the included CD-ROM.

If you still encounter problems while setting up the TW100-BRF114U, we can help. Please have your Internet account information ready, (ISP and Account Type) and contact us using the information below.

Contact Technical Support
Telephone: +1-310-626-6252
Fax: +1-310-626-6267
Website: www.TRENDNET.com
E-mail: support@trendware.com

Technical Support Hours
7:00AM ~ 6:00PM, Monday through Friday
Pacific Standard Time (except holidays)

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What's Next in Networking

Product Warranty Registration

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