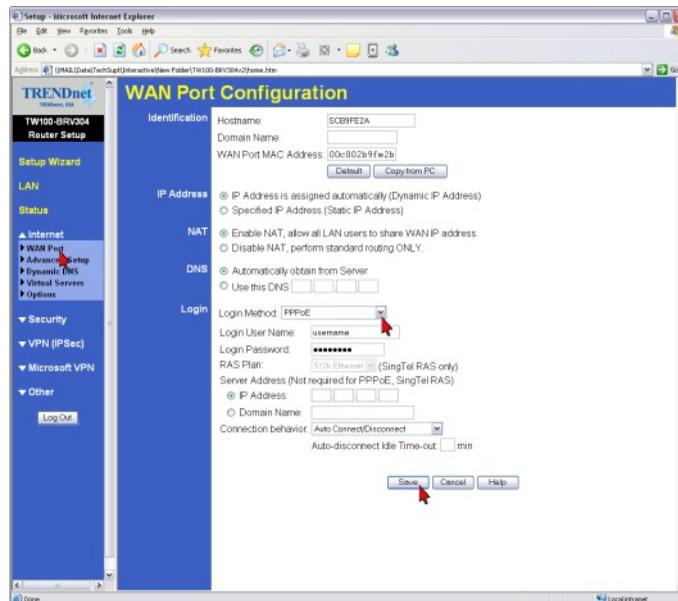


# TW100-BRV204/TW100-BRV304 F.A.Q.

**Q: How do I configure the TW100-BRV204/304 for a DSL, PPPoE connection?**

**A: Step 1.** Open your web browser and type the IP address of the TW100-BRV204/304 in the address bar. The default IP address is 192.168.0.1. At the login, enter your username (blank) and password (blank).

**Step 2.** Click on **Internet** then **WAN Port** on the left hand side.



**Step 3.** Choose **PPPoE** for the **Login Method** in the **Login** section.

**Step 4.** Enter your **Username** and **Password** provided by your ISP (Internet Service Provider).

**Step 5.** Click **Save**.

Note: After you save the settings you may need to power cycle the modem and router.

**Step 1.** Disconnect the power cycle from the modem and router.

**Step 2.** Wait approximately 15 seconds.

**Step 3.** Reconnect the modem first and wait for it to boot up.

**Step 4.** After the modem has booted up reconnect the router.

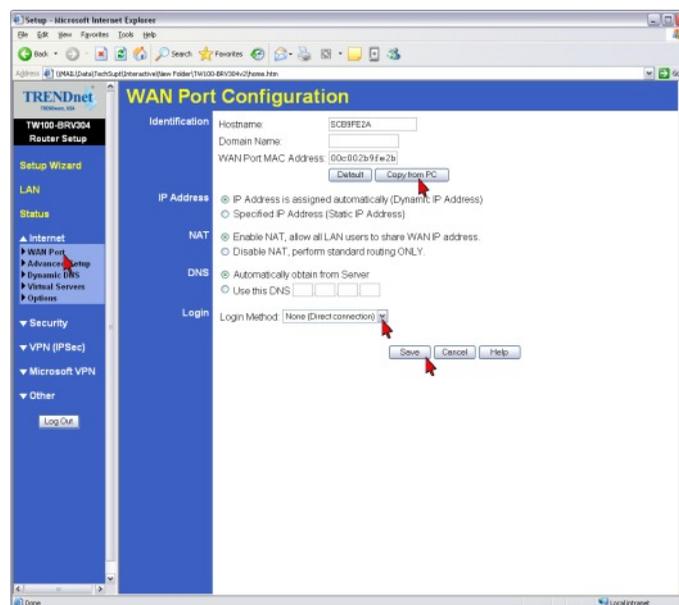
# TW100-BRV204/TW100-BRV304 F.A.Q.

## Q: How do I configure the TW100-BRV204/304 for a Cable connection using a Dynamic IP Address?

**A:** Note: The default setting of the router is configured for a Cable connection using a Dynamic IP Address.

**Step 1.** Open your web browser and type the IP address of the TW100-BRV204/304 in the address bar. The default IP address is 192.168.0.1. At the login, enter your username (blank) and password (blank).

**Step 2.** Click on **Internet** then **WAN Port** on the left hand side



**Step 3.** Choose **None (Direct Connection)** for the **Login Method** in the **Login** section.

**Step 4.** If your ISP has registered the MAC address of your computer that you are managing the router from click on **Copy From PC** under the **WAN PORT MAC** Address field. This will copy your computers MAC address to the router. If you are not managing the computer from the computer with the registered MAC address make sure you enter the registered MAC address manually.

**Step 5.** Click **Save**.

Note: After you save the settings you may need to power cycle the modem and router.

**Step 1.** Disconnect the power cycle from the modem and router.

**Step 2.** Wait approximately 15 seconds.

**Step 3.** Reconnect the modem first and wait for it to boot up.

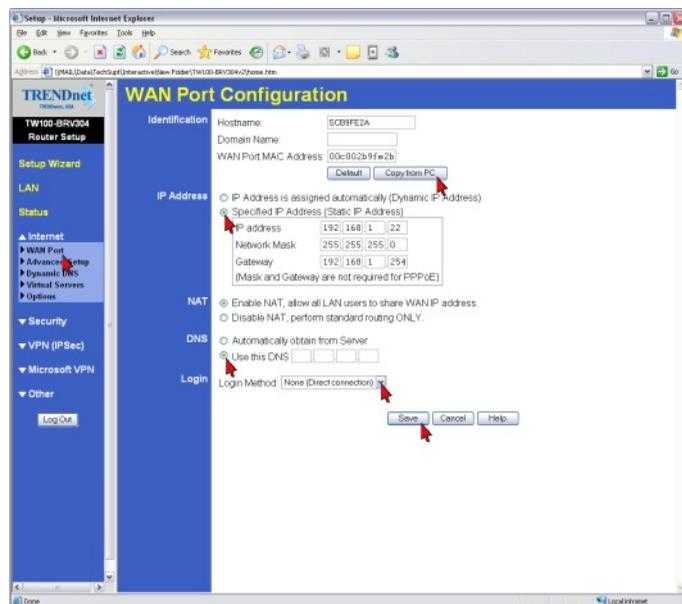
**Step 4.** After the modem has booted up reconnect the router.

# TW100-BRV204/TW100-BRV304 F.A.Q.

**Q: How do I configure the TW100-BRV204/304 for a Cable connection using a Static IP Address?**

**A: Step 1.** Open your web browser and type the IP address of the TW100-BRV204/304 in the address bar. The default IP address is 192.168.0.1. At the login, enter your username (blank) and password (blank).

**Step 2.** Click on **Internet** then **WAN Port** on the left hand side



**Step 3.** Choose **None (Direct Connection)** for the **Login Method** in the **Login** section.

**Step 4.** If your ISP has registered the MAC address of your computer that you are managing the router from click on **Copy From PC** under the **WAN PORT MAC** Address field. This will copy your computers MAC address to the router. If you are not managing the computer from the computer with the registered MAC address make sure you enter the registered MAC address manually.

**Step 5.** Choose **Specified IP Address (Static IP Address)** in the IP Address section.

**Step 6.** Enter in the IP Address, Network Mask, Gateway and DNS server address that your ISP (Internet Service Provider) has assigned to you.

**Step 7.** Click **Save**.

Note: After you save the settings you may need to power cycle the modem and router.

**Step 1.** Disconnect the power cycle from the modem and router.

**Step 2.** Wait approximately 15 seconds.

**Step 3.** Reconnect the modem first and wait for it to boot up.

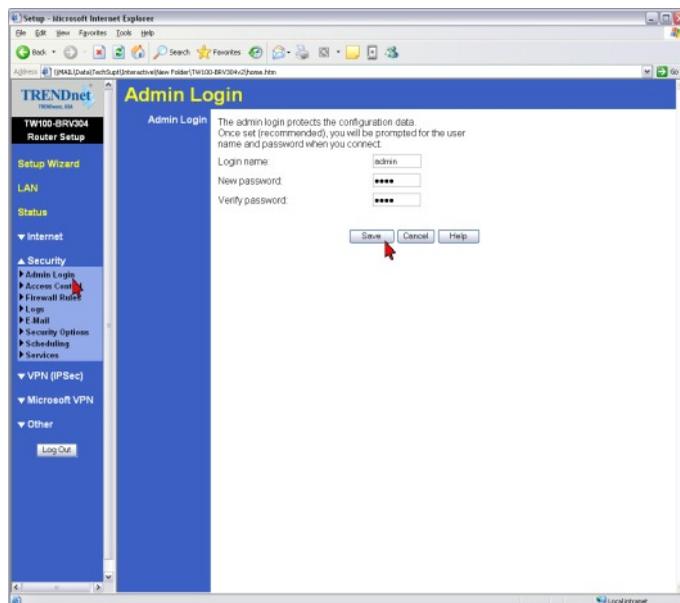
**Step 4.** After the modem has booted up reconnect the router.

# TW100-BRV204/TW100-BRV304 F.A.Q.

## Q: How do I change the username & password on my TW100-BRV204/304?

**A: Step 1.** Open your web browser and type the IP address of the TW100-BRV204/304 in the address bar. The default IP address is 192.168.0.1. At the login, enter your username (blank) and password (blank).

**Step 2.** Click on **Security** then **Admin Login** on the left hand side.



**Step 3.** Enter in the desired username and password.

**Step 4.** Click **Save**.

---

## Q: What can I do if I forgot my password or want to reset back to factory defaults?

**A: Step 1.** Locate the reset button on the back of the TW100-BRV204/304.

**Step 2.** Press and hold in the reset button for approximately 15 seconds.

This will reset the unit back to its default configuration.

---

## Q: What is the default IP address of my TW100-BRV204/304?

**A:** The default IP address for the TW100-BRV204/304 is 192.168.0.1.

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## Q: What is the default username and password for the TW100-BRV204/304?

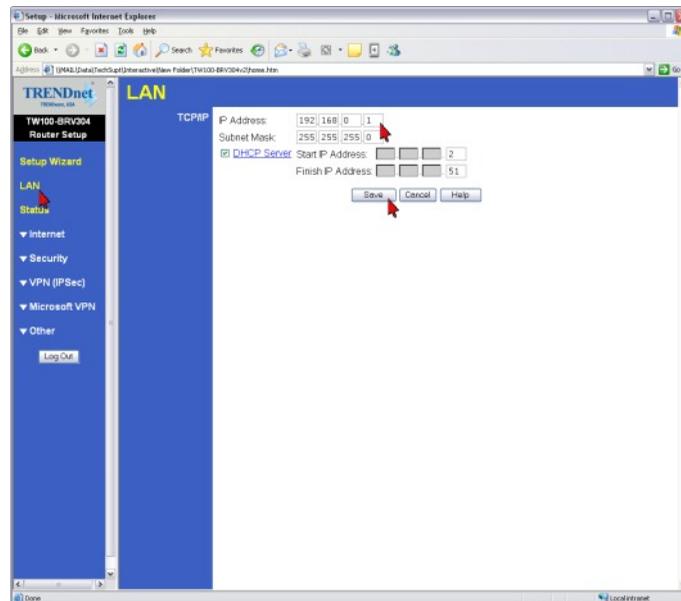
**A:** The default username & password for the TW100-BRV204/304 are both (blank). There is no username and password set by default.

# TW100-BRV204/TW100-BRV304 F.A.Q.

## Q: How do I change the IP Address of my TW100-BRV204/304?

**A: Step 1.** Open your web browser and type the IP address of the TW100-BRV204/304 in the address bar. The default IP address is 192.168.0.1. At the login, enter your username (blank) and password (blank).

**Step 2.** Click on **LAN** on the left hand side.



**Step 3.** Change the IP address in the IP Address field.

---

## Q: How do I configure the TW100-BRV204/304?

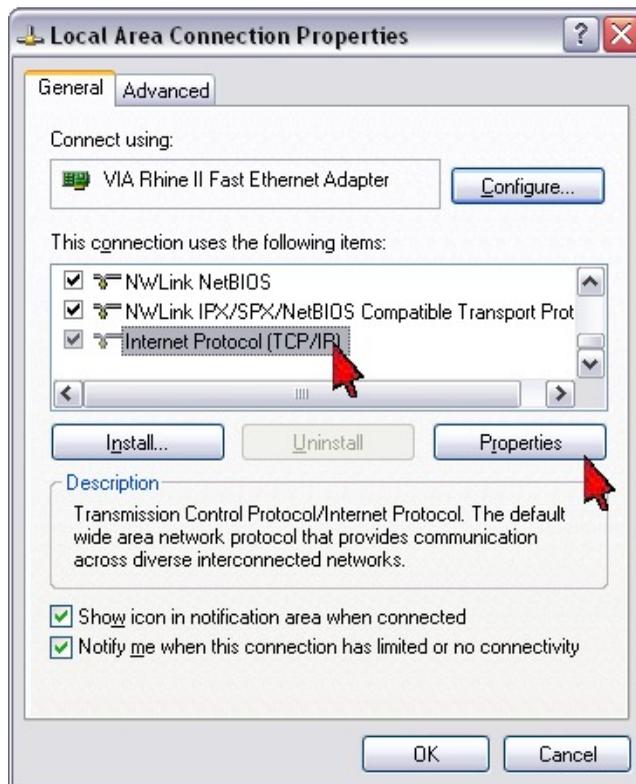
**A: Step 1.** Click Start then click on the **Control Panel**. For Windows 2000 click on **Start**, highlight settings then click on the **Control Panel**.

**Step 2.** Double-Click on the **Network Connection** icon.

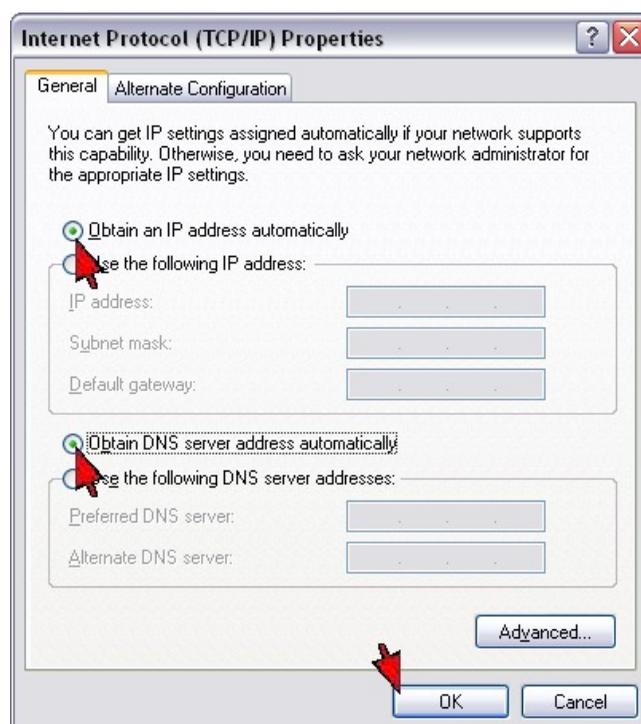
**Step 3.** Right-Click on the **Local Area Connection** icon then click on **Properties**.

# TW100-BRV204/TW100-BRV304 F.A.Q.

- Step 4.** Highlight the **Internet Protocol (TCP/IP)** by single clicking on it then click on **Properties**.

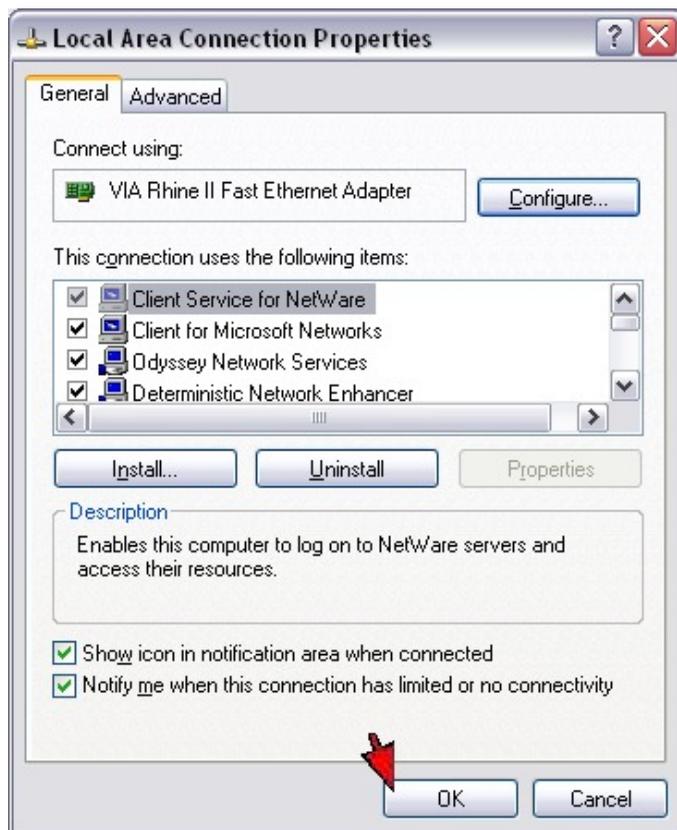


- Step 5.** Select **Obtain an IP address automatically** and **Obtain DNS server address automatically** then click **OK**.



# TW100-BRV204/TW100-BRV304 F.A.Q.

**Step 6.** Click **OK** again.



**Step 7.** Your computer is now ready to access and configure the TW100-BRV204/304.

**Step 8.** Open your web browser and type the IP address of the TW100-BRV204/304 in the address bar. The default IP address is 192.168.0.1. At the login, enter your username (blank) and password (blank).

---

## **Q: Where can I find the MAC Address of my TW100-BRV204/304?**

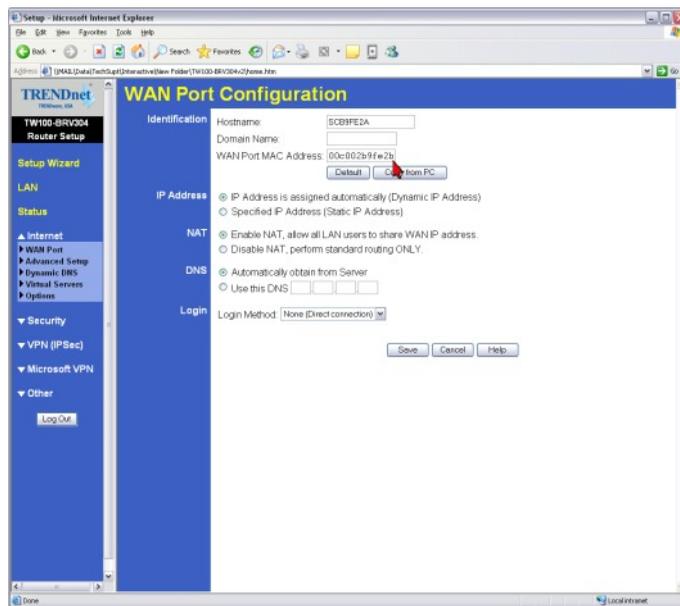
**A:** The MAC Address can be found on a label on the bottom of the router. You can alternately find it by doing the following:

**Step 1.** Open your web browser and type the IP address of the TW100-BRV204/304 in the address bar. The default IP address is 192.168.0.1. At the login, enter your username (blank) and password (blank).

**Step 2.** Click on **LAN** at the top of the page.

# TW100-BRV204/TW100-BRV304 F.A.Q.

**Step 2.** Click on **LAN** at the top of the page.



**Step 3.** The MAC address is listed next to the WAN Port MAC Address field.

**Q: How do I configure a VPN tunnel when one side has a dynamic IP address?**

**A:** Use the following screenshots as a guide.

## Scenario

PC1 (192.168.1.x)-BRV204 (dynamic) ~ BRV304 (64.11.212.22)-PC 2 (192.168.2.x)  
Simply match both ends information. After the connections are created, 192.168.1.x should be able to ping 192.168.2.x.

## Important Note:

1. Please match Local/Remote Identity
2. Please match the Pre-Shared Key
3. Please match the Authentication and Algorithm
4. Dynamic side would be the Initiator for Direction
5. Static IP side would be the Responder for Direction
6. When there is a dynamic connection, it would be Aggressive Mode for Exchange Mode

# TW100-BRV204/TW100-BRV304 F.A.Q.

## Settings on BRV204

The screenshot shows the 'VPN Policy Definition' page in a Microsoft Internet Explorer browser. The left sidebar contains a navigation menu with 'VPN' selected. The main content area is titled 'VPN Policy Definition' and includes the following fields:

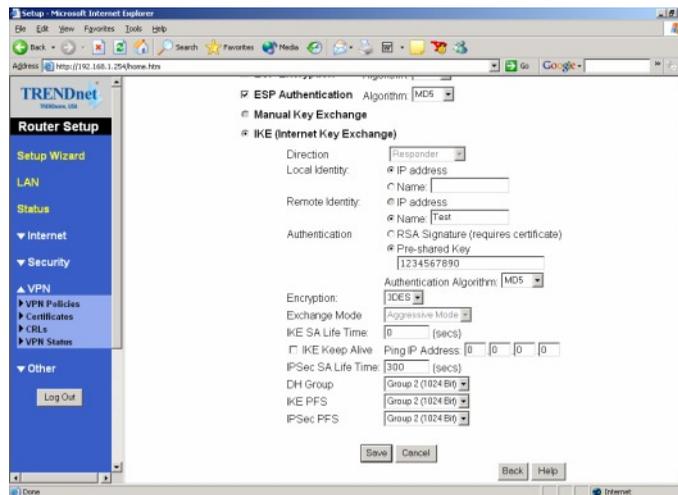
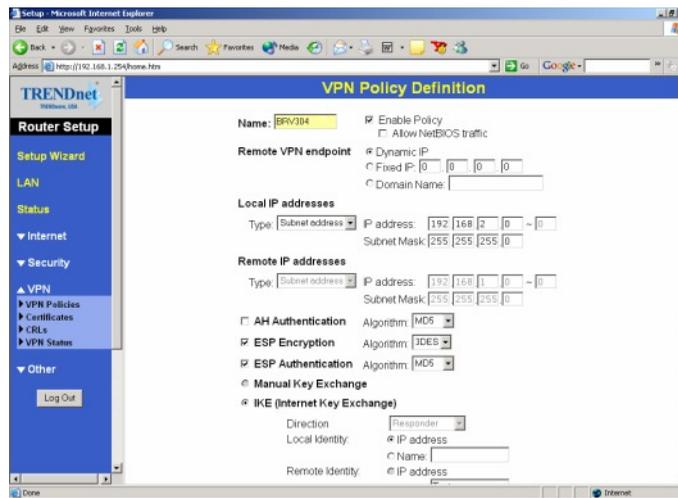
- Name:** BRV204
- Enable Policy
- Allow NetBIOS traffic
- Remote VPN endpoint:**  Dynamic IP,  Fixed IP (11.212.22),  Domain Name
- Local IP addresses:** Type: Subnet address, IP address: 192.168.1.0, Subnet Mask: 255.255.255.0
- Remote IP addresses:** Type: Subnet address, IP address: 192.168.2.0, Subnet Mask: 255.255.255.0
- AH Authentication, Algorithm: MD5
- ESP Encryption, Algorithm: 3DES
- ESP Authentication, Algorithm: MD5
- Manual Key Exchange
- IKE (Internet Key Exchange)
  - Direction: Initiator
  - Local Identity:  IP address,  Name: Test
  - Remote Identity:  IP address,  Name

The screenshot shows the 'IKE (Internet Key Exchange)' configuration page in a Microsoft Internet Explorer browser. The left sidebar contains a navigation menu with 'VPN' selected. The main content area is titled 'IKE (Internet Key Exchange)' and includes the following fields:

- ESP Authentication, Algorithm: MD5
- Manual Key Exchange
- IKE (Internet Key Exchange)
  - Direction: Initiator
  - Local Identity:  IP address,  Name: Test
  - Remote Identity:  IP address,  Name
  - Authentication:  RSA Signature (requires certificate),  Pre-shared Key (1234567890)
  - Authentication Algorithm: MD5
  - Encryption: 3DES
  - Exchange Mode: Main Mode
  - KE SA Life Time: 0 (secs)
  - IKE Keep Alive, Ping IP Address: 0.0.0 (secs)
  - IPSec SA Life Time: 300 (secs)
  - DH Group: Group 2 (1024Bit)
  - KE PFS: Group 2 (1024Bit)
  - IPSec PFS: Group 2 (1024Bit)

# TW100-BRV204/TW100-BRV304 F.A.Q.

## Settings on BR304



**Q:** How do I configure a VPN tunnel when both sides having static IP addresses?

**A:** Use the following screenshots as a guide.

### Scenario

PC1 (192.168.1.x)-BRV204 (dynamic) ~ BRV304 (64.11.212.22)-PC 2 (192.168.2.x)  
Simply match both ends information. After the connections are created, 192.168.1.x should be able to ping 192.168.2.x.

# TW100-BRV204/TW100-BRV304 F.A.Q.

## Settings on BRV204

The screenshot shows the 'VPN Policy Definition' page in a Microsoft Internet Explorer browser. The left sidebar contains a navigation menu with 'VPN' expanded. The main content area is titled 'VPN Policy Definition' and includes the following settings:

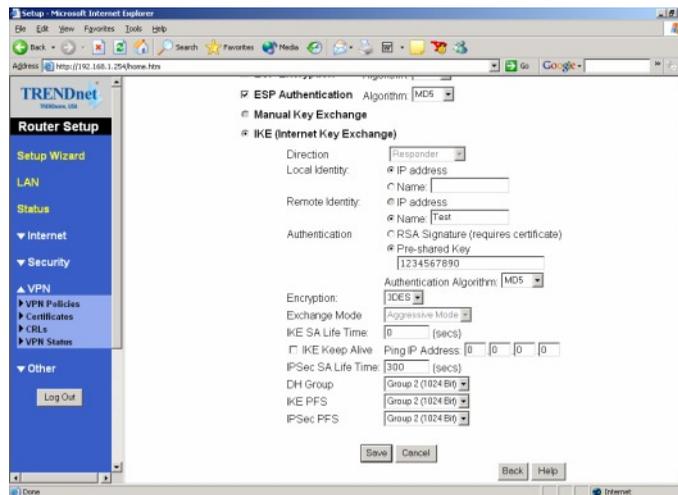
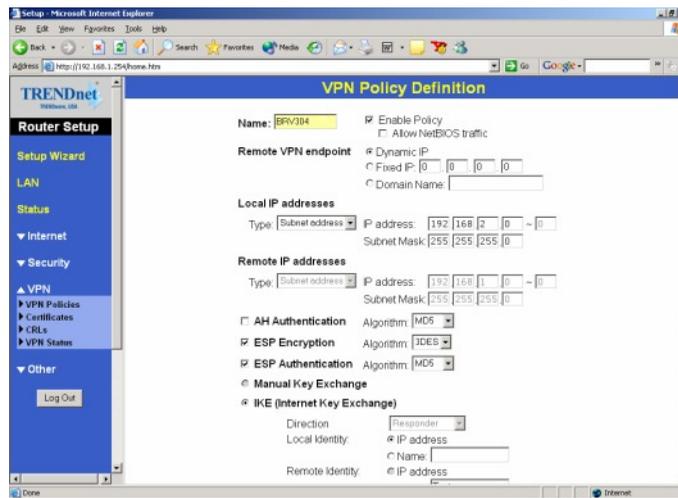
- Name:** BRV204
- Enable Policy
- Allow NetBIOS traffic
- Remote VPN endpoint:**  Fixed IP: 66.11.212.22
- Local IP addresses:** Type: Subnet address; IP address: 192.168.1.0 - 0; Subnet Mask: 255.255.255.0
- Remote IP addresses:** Type: Subnet address; IP address: 192.168.2.0 - 0; Subnet Mask: 255.255.255.0
- AH Authentication; Algorithm: MD5
- ESP Encryption; Algorithm: 3DES
- ESP Authentication; Algorithm: MD5
- Manual Key Exchange
- IKE (Internet Key Exchange)
  - Direction: Initiator
  - Local Identity:  IP address;  Name: Test
  - Remote Identity:  IP address

The screenshot shows the 'IKE (Internet Key Exchange)' configuration page in a Microsoft Internet Explorer browser. The left sidebar contains a navigation menu with 'VPN' expanded. The main content area is titled 'IKE (Internet Key Exchange)' and includes the following settings:

- ESP Authentication; Algorithm: MD5
- Manual Key Exchange
- IKE (Internet Key Exchange)
  - Direction: Initiator
  - Local Identity:  IP address;  Name: Test
  - Remote Identity:  IP address
  - Authentication:  RSA Signature (requires certificate);  Pre-shared Key: 1234567890
  - Authentication Algorithm: MD5
  - Encryption: 3DES
  - Exchange Mode: Main Mode
  - KE SA Life Time: 0 (secs)
  - IKE Keep Alive; Ping IP Address: 0.0.0 (secs)
  - IPSec SA Life Time: 300 (secs)
  - DH Group: Group 2 (1024Bit)
  - KE PFS: Group 2 (1024Bit)
  - IPSec PFS: Group 2 (1024Bit)

# TW100-BRV204/TW100-BRV304 F.A.Q.

## Settings on BR304

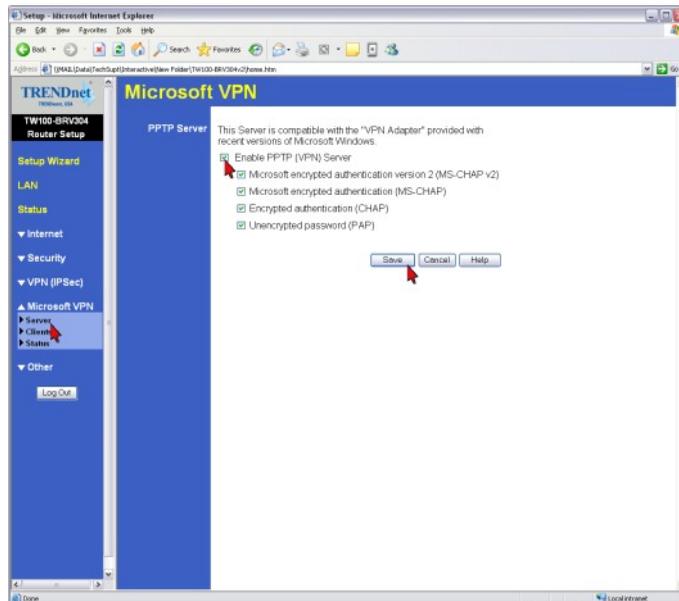


### Q: How do I connect using a the Microsoft VPN Client?

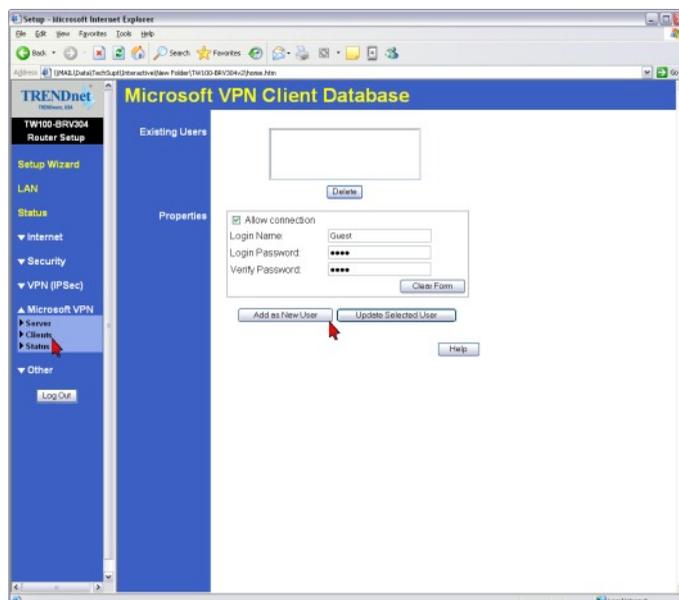
**A: Step 1.** Open your web browser and type the IP address of the TW100-BRV204/304 in the address bar. The default IP address is 192.168.0.1. At the login, enter your username (blank) and password (blank).

# TW100-BRV204/TW100-BRV304 F.A.Q.

**Step 2.** Click **Microsoft VPN** then **Server** on the left hand side. Place a check mark in **Enable PPTP (VPN) Server** then click **Save**.



**Step 3.** Click on **Clients** on the left hand side. Place a check mark in **Allow connection**. Add a **Login Name** and **Login Password**, verify the password and click **Add as a new User**.

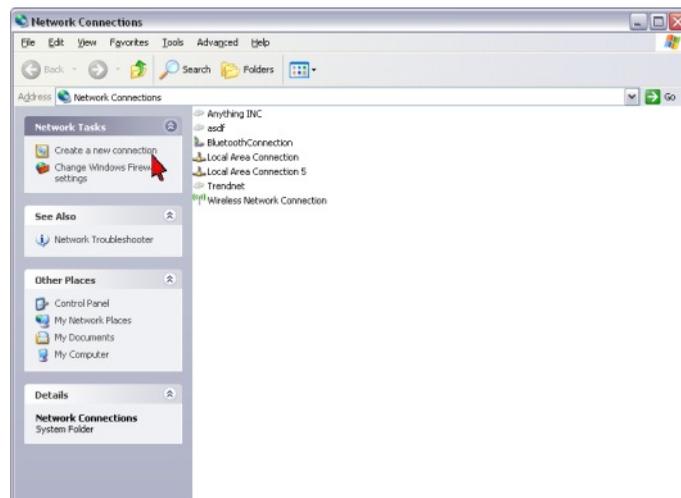


# TW100-BRV204/TW100-BRV304 F.A.Q.

**Step 4.** From a remote client. Click **Start>Run** and type in "ncpa.cpl", without the quotes then click **OK**.



**Step 5.** Click **Create a new connection**.



**Step 6.** Click **Next**.

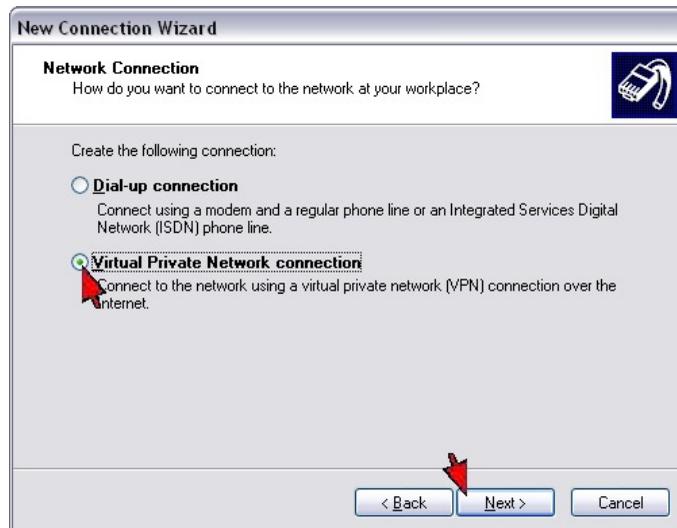


# TW100-BRV204/TW100-BRV304 F.A.Q.

**Step 7.** Select **Connect to the network at my workplace** then click **Next**.



**Step 8.** Select **Virtual Private Network connection** then click **Next**.



# TW100-BRV204/TW100-BRV304 F.A.Q.

**Step 9.** Enter in a name for the connection then click **Next**.

**New Connection Wizard**

**Connection Name**  
Specify a name for this connection to your workplace.

Type a name for this connection in the following box.

Company Name  
TRENDnet

For example, you could type the name of your workplace or the name of a server you will connect to.

< Back   Next >   Cancel

**Step 10.** Select **Do not dial the initial connection** then click **Next**.

**New Connection Wizard**

**Public Network**  
Windows can make sure the public network is connected first.

Windows can automatically dial the initial connection to the Internet or other public network, before establishing the virtual connection.

Do not dial the initial connection:

Automatically dial this initial connection:  
[Dropdown menu]

< Back   Next >   Cancel

# TW100-BRV204/TW100-BRV304 F.A.Q.

**Step 11.** Enter the Public IP address of the TW100-BRV204/304 into the Host name or IP address field then click Next. Note: Do not enter in the IP address that is in the screenshot. That is an example only. You will use the Public IP address of the router that you are connecting to.



The screenshot shows the 'New Connection Wizard' dialog box at the 'VPN Server Selection' step. The title bar reads 'New Connection Wizard'. Below the title bar, the section is titled 'VPN Server Selection' with a sub-question: 'What is the name or address of the VPN server?'. To the right of this text is a small icon of a mobile phone. Below this, there is a text box with the instruction: 'Type the host name or Internet Protocol (IP) address of the computer to which you are connecting.' followed by 'Host name or IP address (for example, microsoft.com or 157.54.0.1):'. A text input field contains the example IP address '157.54.0.1'. A red mouse cursor is pointing at the input field. At the bottom of the dialog, there are three buttons: '< Back', 'Next >', and 'Cancel'. A red arrow points to the 'Next >' button.

**Step 12.** Select **My use only** then click **Next**.



The screenshot shows the 'New Connection Wizard' dialog box at the 'Connection Availability' step. The title bar reads 'New Connection Wizard'. Below the title bar, the section is titled 'Connection Availability' with a sub-question: 'You can make the new connection available to any user or only to yourself.' To the right of this text is a small icon of a mobile phone. Below this, there is a text box with the instruction: 'A connection that is created for your use only is saved in your user account and is not available unless you are logged on.' followed by 'Create this connection for:'. There are two radio button options: 'Anyone's use' and 'My use only'. The 'My use only' option is selected, and a red mouse cursor is pointing at it. At the bottom of the dialog, there are three buttons: '< Back', 'Next >', and 'Cancel'. A red arrow points to the 'Next >' button.

# TW100-BRV204/TW100-BRV304 F.A.Q.

**Step 13.** Place a check mark into **Add a shortcut to this connection to my desktop** if you want a shortcut then click **Finish**.



**Step 14.** Enter the **Username** and **Password** that you configured on the TW100-BRV204/304 then click **Connect**.

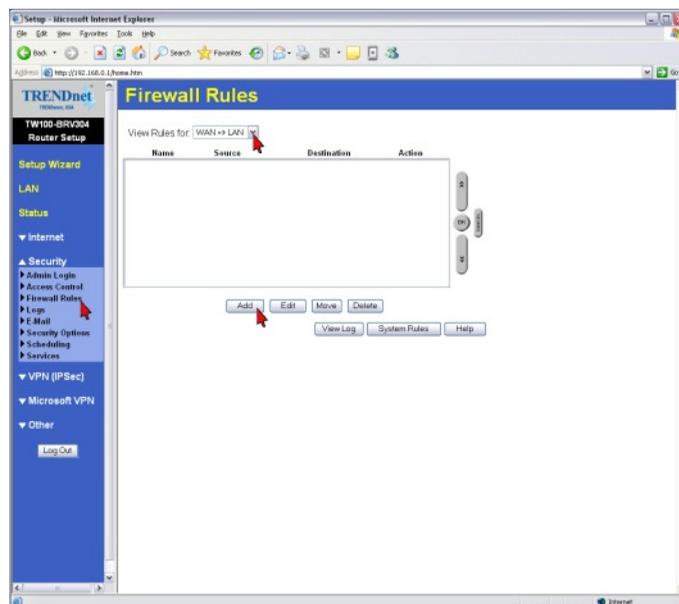


# TW100-BRV204/TW100-BRV304 F.A.Q.

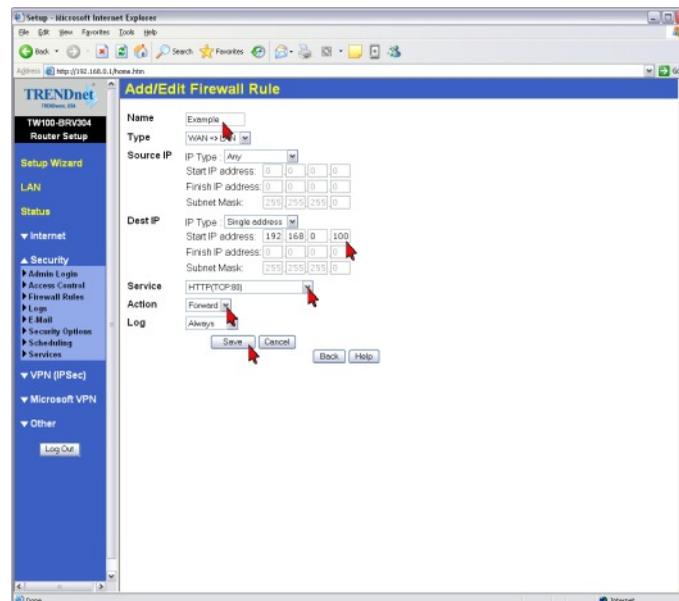
## Q: How do I forward ports in my TW100-BRV204/304?

### A: Well Known Ports

- Step 1.** Open your web browser and type the IP address of the TW100-BRV204/304 in the address bar. The default IP address is 192.168.0.1. At the login, enter your username (blank) and password (blank).
- Step 2.** Click **Security** then **Firewall Rules** on the left hand side.
- Step 3.** Select **WAN=>LAN** in the drop down menu in the View Rules for category.
- Step 4.** Click **Add**.



- Step 5.** Give the rule a name. Enter in the IP address of the computer you want the port forwarded to. Select the service that you want forwarded. Select **Forward** in the action menu then click **Save**.



# TW100-BRV204/TW100-BRV304 F.A.Q.

Note: For a custom service you must add the service first.

**Step 1.** Click **Security** then **Services** on the left hand side.

**Step 2.** Enter in a **Name**, **Type**, **Start** and **Finish** ports then click **Add**.

