

F.A.Q' S for TW100-BRV204 and TW100-BRV304

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

A:

- 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).
- 2) Click on Internet then WAN Port on the left hand side.

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TRENDnet TRENDware, USA	WAN Port	t Configuration			
TW100-BRV304	Identification	Hostname: SCB9FE2A			
Router Setup		Domain Name:			
Setup Wizard		WAN Port MAC Address: 00c002b9fe2b Default Copy from PC			
LAN					
Status	IP Address	IP Address is assigned automatically (Dynamic IP Address) Specified IP Address (Static IP Address)			
▲ Internet	NAT	In Enable NAT, allow all LAN users to share WAN IP address.			
WAN Port		O Disable NAT, perform standard routing ONLY.			
Dynamic DNS	DNS	 Automatically obtain from Server 			
 Virtual Servers Options 		O Use this DNS			
▼ Security	Login	Login Method: PPPoE			
		Login User Name: username			
▼ VPN (IPSec)		Login Password:			
▼ Microsoft VPN		RAS Plan: 512k Ethemet (SingTel RAS only)			
▼ Other		◎ IP Address:			
Log Out		O Domain Name:			
		Connection behavior: Auto Connect/Disconnect			
		Auto-disconnect Idle Time-out: min			
		Save Cancel Help			
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- 3) Choose **PPPoE** for the **Login Method** in the **Login** section.
- 4) Enter your username and password provided by your ISP (Internet Service Provider).
- 5) Click Save.

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



- 1) Disconnect the power cycle from the modem and router.
- 2) Wait approximately 15 seconds.
- 3) Reconnect the modem first and wait for it to boot up.
- 4) After the modem has booted up reconnect the router.

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.

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



3) Choose **None (Direct Connection)** in the Login Method field in the Login Section.



- 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.
- 5) Click Save.

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

- 1) Disconnect the power cycle from the modem and router.
- 2) Wait approximately 15 seconds.
- 3) Reconnect the modem first and wait for it to boot up.
- 4) After the modem has booted up reconnect the router.

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

A:

- 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).
- 2) Click on Internet then WAN Port on the left hand side.





- 3) Choose **None (Direct Connection)** in the Login Method field in the Login Section.
- 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.
- 5) Choose Specified IP Address (Static IP Address) in the IP Address section.
- 6) Enter in the IP Address, Network Mask, Gateway and DNS server address that your ISP (Internet Service Provider) has assigned to you.
- 7) Click Save.

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

- 1) Disconnect the power cycle from the modem and router.
- 2) Wait approximately 15 seconds.
- 3) Reconnect the modem first and wait for it to boot up.
- 4) After the modem has booted up reconnect the router.

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



A:

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



- 3) Enter in the desired username and password.
- 4) Click **Save**.

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

- 1) Locate the reset button on the back of the TW100-BRV204/304.
- 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.

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.

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

- 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).
- 2) Click on LAN on the left hand side.



3) Change the IP address in the IP Address field then click Save.

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

A:



- 1) Click **Start** then click on the **Control Panel**. For Windows 2000 click on **Start**, highlight settings then click on the **Control Panel**.
- 2) Double-Click on the **Network Connection** icon.
- 3) Right-Click on the Local Area Connection icon then click on Properties.
- 4) Highlight the Internet Protocol (TCP/IP) by single clicking on it then click on Properties.

🕹 Local Area Connection Properties 🛛 🔹 👔	X
General Advanced	
Connect using:	
VIA Rhine II Fast Ethernet Adapter <u>Configure</u>	
This connection uses the following items:	
▼ TNWLink NetBIOS	
▼ T NWLink IPX/SPX/NetBIOS Compatible Transport Prot	
✓ TInternet Protocol (TCP/IR)	
I <u>n</u> stall Uninstall Properties	
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	
 Show icon in notification area when connected Notify me when this connection has limited or no connectivity 	
OK Cancel	

5) Select Obtain an IP address automatically and Obtain DNS server address automatically then click OK.



Internet Protocol (TCP/IP) Prop	erties 🔹 🛛 🛛 🔀
General Alternate Configuration	
You can get IP settings assigned auto this capability. Otherwise, you need to the appropriate IP settings.	omatically if your network supports ask your network administrator for
Q <u>0</u> btain an IP address automatica	ally
e the following IP address: —	
IP address:	
S <u>u</u> bnet mask:	· · ·
Default gateway:	
Q Obtain DNS server address auto	matically
se the following DNS server ac	Idresses:
Preferred DNS server:	
Alternate DNS server:	
	Advanced OK Cancel

6) Click **OK** again.



🕹 Local Area Connection Properties 🛛 🔹 👔 🔀
General Advanced
Connect using:
III Fast Ethernet Adapter
This connection uses the following items:
Client Service for NetWare
🔽 🖳 Client for Microsoft Networks
🗹 🖳 Odyssey Network Services 🔤 🔤
🗹 💻 Deterministic Network Enhancer 🛛 🖄
Install Uninstall Properties
Description
Enables this computer to log on to NetWare servers and access their resources.
 Show icon in notification area when connected Notify me when this connection has limited or no connectivity
<u> </u>
OK Cancel

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

- 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).
- 2) Click on LAN at the top of the page.



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3) The MAC address is listed next to the 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



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TRENDnet	VPN	Policy Definition		
Router Setup	Name: BRV204	Enable Policy Allow NetBIOS traffic		
Setup Wizard	Remote VPN endpoint	© Dynamic IP © Fixed IP: 66. 111. 212. 22		
LAN		O Domain Name:		
Status	Local IP addresses			
▼ Internet	Type: Subnet address	IP address: 192,168,1 ,0 ~ 0 Subnet Mask 255,255,255 0		
▼ Security	Remote IP addresses			
▲ VPN	Type: Subnet address 🔹	IP address: 192,168,2 ,0 ~ 0		
▶ VPN Policies ▶ Certificates ▶ CRI s	□ AH Authentication	Algorithm: MD5		
VPN Status	ESP Encryption	Algorithm: 3DES 🗸		
▼ Other	ESP Authentication	Algorithm: MD5 💌		
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	Direction	Initiator 💌		
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LAN	C Domain Name:	
	Local IP addresses	
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▼ Security	Remote IP addresses	
	Type: Subnet address P address: 192,168,1,0 ~ 0	
VPN Policies	Subnet Mask: 255,255,0	
▶ Certificates	AH Authentication Algorithm MD5	
CRLs		
• VPN Status		
▼ Other	ESP Authentication Algorithm: MD5 🔽	
	Manual Key Exchange	
Log Out	IKE (Internet Key Exchange)	
	Direction Responder	
	Local Identity. © IP address	
	© Name:	
	Remote Identity: Paddress	_
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Q: How do I configure a VPN tunnel with both sides having static IP addresses?

A: Use the following screenshots as a guide.

Scenario

PC1 (192.168.1.x)-BRV204 (66.135.11.92) ~ 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.

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TRENDnet	VPN Policy Definition			
Router Setup	Name: BRV204			
Setup Wizard	Remote VPN endpoint O Dynamic IP © Fixed IP: 64 11 212 22			
LAN	C Domain Name:			
Status	Local IP addresses			
▼ Internet	Type: Subnet address IP address: 192,168,1,0 ~ 0 Subnet Mask: 255,255,0			
▼ Security	Remote IP addresses			
	Type: Subnet address IP address: 192,168,2,0 ~ 0			
VPN Policies				
CRLs	AH Authentication Algorithm: MD5 Y			
VPN Status	ESP Encryption Algorithm: 3DES -			
▼ Other	Section Algorithm: MD5 -			
	ି Manual Key Exchange			
Log Out	IKE (Internet Key Exchange)			
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	Local Identity. IP address			
	Remote identity:			
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Router Setup	Name: BRV304	
Setup Wizard	Remote VPN endpoint C Dynamic IP © Fixed IP: 66. [135. [11]. 92	
LAN	C Domain Name:	
Status	Local IP addresses	
▼ Internet	Type: Subnet address IP address: 192,168,2 ,0 ~ 0 Subnet Mask 255,255,0	
➡ Security	Remote IP addresses	
▲ VPN	Type: Subnet address ▼ IP address: 192,168,1 ,0 ~ 0 Subnet Mask 255,255,1255,10	
Certificates	AH Authentication Algorithm: MD5	
VPN Status	Service Algorithm: SDES	
▼ Other	ESP Authentication Algorithm: MD5	
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Log Out	IKE (Internet Key Exchange)	
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	Local Identity:		
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▼ Security		Pre-shared Key	
▲ VPN	Encryption		
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	IPSec PFS	Group 2 (1024 Bit)	
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Q: How do I connect using a the Microsoft VPN Client?

A:

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





 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.



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LAN		Delete	
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▼ Internet		Login Name: Guest	
▼ Security		Login Password:	
▼ VPN (IPSec)		Verity Password:	
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4) From a remote client. Click **Start>Run** and type in "ncpa.cpl", without the quotes then click **OK**.

Run	? 🔀
-	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	ncpa.cpl
	OK Cancel <u>B</u> rowse

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



Network Connections		
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6) Click Next





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





8) Select Virtual Private Network connection then click Next.

New Connection Wizard
Network Connection Image: Connect to the network at your workplace? Image:
Create the following connection:
O Dial-up connection
Connect using a modem and a regular phone line or an Integrated Services Digital Network (ISDN) phone line.
Q ⊻irtual Private Network connection
Connect to the network using a virtual private network (VPN) connection over the Internet.
< <u>B</u> ack <u>N</u> ext > Cancel

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 N <u>a</u> me
TRENDnet For example, a could type the name of your workplace or the name of a server you will connect to.
< <u>B</u> ack <u>N</u> ext > Cancel

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.	Ð
Windows can automatically dial the initial connection to the Internet or other public network, before establishing the virtual connection.	
QDo not dial the initial connection.	
witten the second secon	
< Back Next > Cance	



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.

New Connectio	n Wizard
VPN Server S What is the	Selection e name or address of the VPN server?
Type the he connecting	ost name or Internet Protocol (IP) address of the computer to which you are I.
<u>H</u> ost name	or IP address (for example, microsoft.com or 157.54.0.1):
157.54.0.1	< Back Next > Cancel

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





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







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

Connect TRE	NDnet 2	? 🗙
		N
<u>U</u> ser name:	Guest	
<u>P</u> assword:	•••••	
Save this of Me only Organization	user name and password for the following who uses this computer Cancel Properties	users: <u>H</u> elp

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

A:

Well Known Ports

- 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).
- 2) Click **Security** then **Firewall Rules** on the left hand side.
- 3) Select **WAN=>LAN** in the drop down menu in the **View Rules for** category.
- 4) Click **Add**.



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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**.





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

- 1) Click **Security** then **Services** on the left hand side.
- 2) Enter in a Name, Type, Start and Finish ports then click Add.



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 Access Control
 Firewall Rules
 Logs
 E-Mail
 Security Options
 Scheduling
 Services Finish Port: 5631 TCP or UDP) ICMP Type: n/a (0..255) Add Cancel Help VPN (IPSec) ▼ Microsoft VPN ▼ Other Log Out < 🌍 Internet ۲