

How to configure a GRE Tunnel

Note: Please make sure that both LAN side networks are in different subnet.

GRE Settings

Go to **Advanced Setup** -> **VPN** -> **GRE**, click the **Add** button and you will see the page as below:

GRE Setting

Name:	<input type="text"/>
<input type="checkbox"/> Enable	
Local Gateway Interface:	<input type="text" value="Select interface"/>
Remote Gateway:	<input type="text"/>
Tunnel Source IP:	<input type="text"/>
Tunnel Mask:	<input type="text"/>
Tunnel Peer IP:	<input type="text"/>
Remote Network Type:	<input type="text" value="Single Address"/>
IP Address:	<input type="text"/>
<input type="checkbox"/> Enable Keep Alive	
<input type="button" value="Apply/Save"/>	

Name: Enter the name for this GRE Tunnel connection.

Enable: Enable the tunnel connection immediately after clicking **Apply/Save** button.

Local Gateway Interface: Select the correct WAN interface that will be used for establishing a GRE Tunnel.

Remote Gateway: Enter the remote WAN IP/Domain that will be used for establishing a GRE Tunnel.

Tunnel Source IP: Enter the IP address for local tunnel interface.

Tunnel Mask: Enter the net mask for local tunnel interface.

Tunnel Peer IP: Enter the IP address of remote tunnel interface.

Remote Network Type: Select the remote side is a client or subnet.

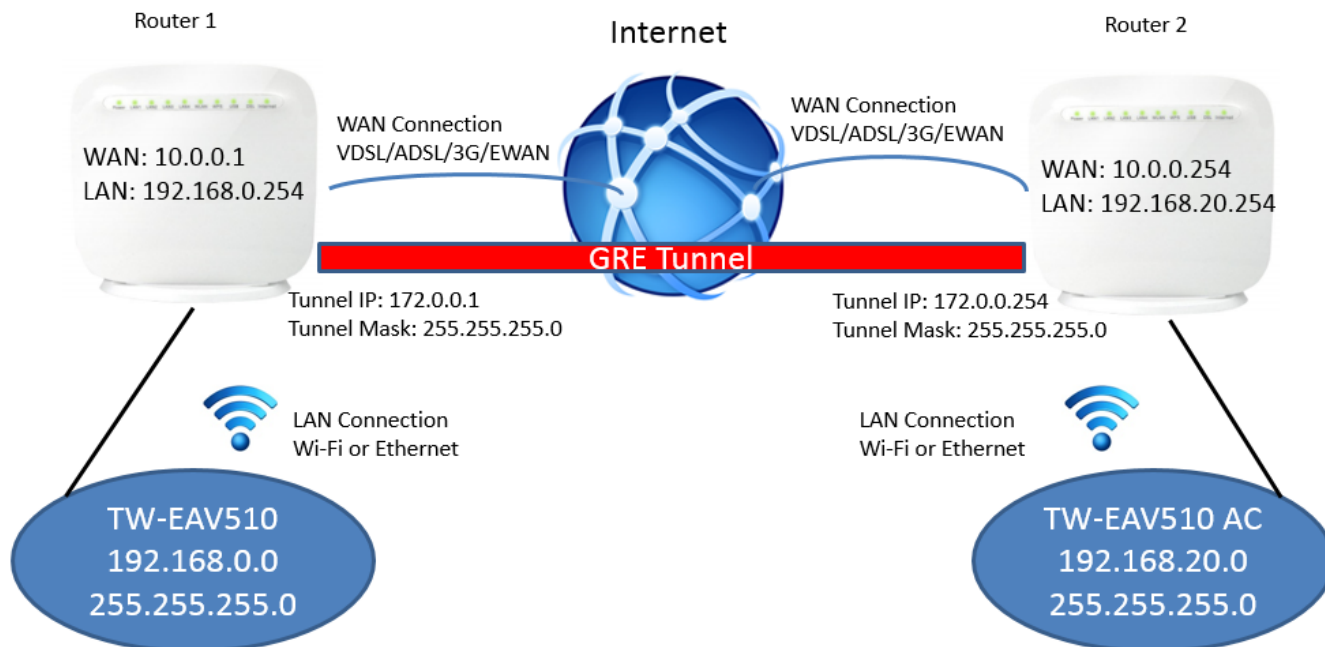
IP Address: Enter the IP address of remote client.

Mask: Enter the net mask of remote subnet when **Remote Network Type** sets to **Subnet**.

Enable Keep Alive: Enable Keep Alive function for GRE Tunnel and can define the **Retry Times** and **Interval** once checked. This is follow Cisco's GRE Tunnel Keep Alive mechanism.

Example

Setup a GRE Tunnel between TW-EAV510 and TW-EAV510 AC.



TW-EAV510 (Router 1)

Go to **Advanced Setup** -> **VPN** -> **GRE**, click Add button and do the settings as below. Click **Apply/Save** button to save changes.

GRE Setting

Name:	Router1_GRE
<input checked="" type="checkbox"/> Enable	
Local Gateway Interface:	ipoe_eth0/eth0.1
Remote Gateway:	10.0.0.254
Tunnel Source IP:	172.0.0.1
Tunnel Mask:	255.255.255.0
Tunnel Peer IP:	172.0.0.254
Remote Network Type:	Subnet
IP Address:	192.168.20.0
Mask:	255.255.255.0
<input checked="" type="checkbox"/> Enable Keep Alive	
Retry Times:	12
Interval:	5

Apply/Save

TW-EAV510 AC (Router 2)

Go to **Advanced Setup** -> **VPN** -> **GRE**, click Add button and do the settings as below. Click **Apply/Save** button to save changes.

GRE Setting

Name:	<input type="text" value="Router2_GRE"/>
<input checked="" type="checkbox"/> Enable	
Local Gateway Interface:	<input type="text" value="ipoe_eth4/eth4.1"/>
Remote Gateway:	<input type="text" value="10.0.0.1"/>
Tunnel Source IP:	<input type="text" value="172.0.0.254"/>
Tunnel Mask:	<input type="text" value="255.255.255.0"/>
Tunnel Peer IP:	<input type="text" value="172.0.0.1"/>
Remote Network Type:	<input type="text" value="Subnet"/>
IP Address:	<input type="text" value="192.168.0.0"/>
Mask:	<input type="text" value="255.255.255.0"/>
<input checked="" type="checkbox"/> Enable Keep Alive	
Retry Times:	<input type="text" value="12"/>
Interval:	<input type="text" value="5"/>

The status of GRE Tunnel connection can be found at Device Info -> VPN -> GRE Info and shows as below when GRE Tunnel established.

Device Info -- GRE Info

Name	Enable	Status	Remote Gateway
Router1_GRE	Enabled	Connected	10.0.0.254

Device Info -- GRE Info

Name	Enable	Status	Remote Gateway
Router2_GRE	Enabled	Connected	10.0.0.1