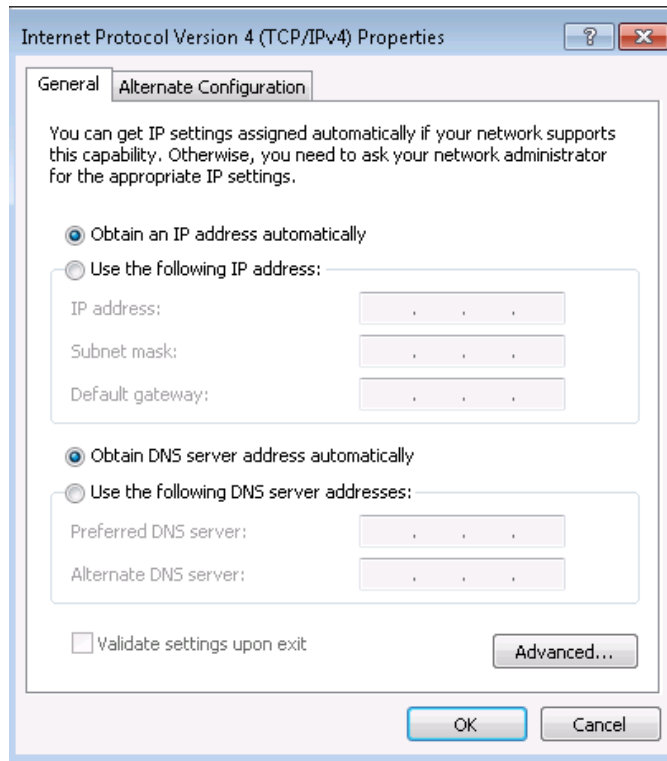


# PepLink Balanced 580 Setup

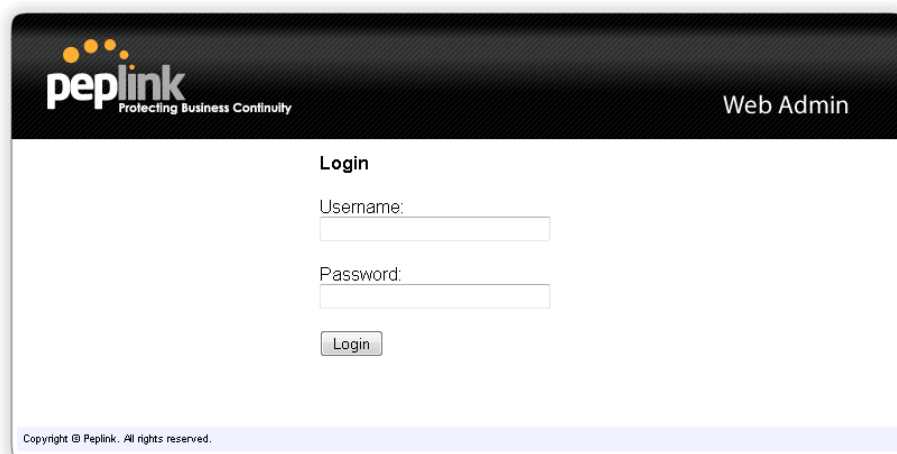
## 1. Connecting to Web Admin Interface

### a. Laptop IP configuration:

- i. Set Laptop IP configuration to **“Automatic”**



- b. Connect Peplink LAN to Computer via cable.
- c. Start a web browser on a computer that is connected with Peplink Balance through LAN
- d. To connect to WEB Admin of Peplink Balance, enter the following LAN IP address in the address field of the web browser
  - i. <http://192.168.1.1>
- e. Enter the following to access the web admin interface
  - i. User Name: admin
  - ii. Password: admin



e. After successful login, The Dashboard of Web Admin interface will be displayed.

## 2. Setup WAN Interfaces (Only changes are mentioned, others keep default)

a. Select “ Network →WAN→WAN1 “

peplink	Dashboard	Setup Wizard	Network	AP	System	Status	Apply Changes
<b>Interfaces</b>							
■ WAN							
■ LAN							
■ SpeedFusion™							
■ IPsec VPN							
<b>Outbound Policy</b>							
<b>Inbound Access</b>							
■ Servers							

Connection Name	Method	Routing Mode	Type
1. WAN 1	PPPoE	IP Forwarding	Always-on
2. WAN 2	PPPoE	IP Forwarding	Always-on
3. WAN 3	PPPoE	IP Forwarding	Always-on
4. WAN 4	Not Configured	NAT	Backup Group 1
5. WAN 5	Not Configured	NAT	Backup Group 1
6. Mobile Internet	PPP	NAT	Backup Group 1

### i. Connection Settings

1. Connection Method : **PPPoE**

2. Routing Mode

a. Click on “**Question Mark**” and click “**here**” to unhide the IP Forwarding options.

Connection Settings	
WAN Connection Name	WAN 1
Enable	<input checked="" type="checkbox"/>
Connection Method	PPPoE <a href="#">Click here to edit Connection settings</a>
Routing Mode	<input checked="" type="radio"/> NAT
Connection Type	<b>Help</b> <a href="#">Close</a>
Reply to ICMP Ping	This option allows you to select the routing method to be used in routing IP packets via the WAN connection. The mode can be either NAT (Network Address Translation) or IP Forwarding.
Upload Bandwidth	In the case if you need to choose IP Forwarding for your scenario, click <a href="#">here</a> to unhide the IP Forwarding option.
Download Bandwidth	

b. Select “ **IP Forwarding**” and uncheck “**Apply NAT on Remote PepVPN peers outgoing internet traffic**”

Routing Mode	<input checked="" type="radio"/> NAT <input checked="" type="radio"/> <b>IP Forwarding</b>
	<input checked="" type="checkbox"/> <b>Apply NAT on Remote PepVPN peers' outgoing Internet traffic</b>
	Remote PepVPN peer(s) may route their outgoing Internet traffic to this unit. If this is checked their traffic will be NAT'd before forwarding out of this WAN. Leave unchecked if you are not sure.

## ii. PPPoE Settings

1. PPPoE User Name : TM ADSL modem PPPoE user name
2. PPPoE Password : TM ADSL modem PPPoE password
3. Confirm PPPoE Password : TM ADSL modem PPPoE password
4. DNS Servers: check **“Obtain DNS server address automatically”**

PPPoE Settings	
PPPoE User Name	<input type="text" value="pimtpg1@tmnet"/>
PPPoE Password	<input type="password" value="....."/>
Confirm PPPoE Password	<input type="password" value="....."/>
DNS Servers	<input checked="" type="checkbox"/> Obtain DNS server address automatically <input type="checkbox"/> Use the following DNS server address(es) DNS server 1: <input type="text"/> DNS server 2: <input type="text"/>

## iii. Click **“Save”**.

Dynamic DNS Settings	
Service Provider	<input type="text" value="Disabled"/>

<input type="button" value="Save"/>	<input type="button" value="Cancel"/>
-------------------------------------	---------------------------------------

## iv. Click **“Apply Changes”** to save .

Dashboard	Setup Wizard	Network	AP	System	Status	Apply Changes
Saved! Changes will be effective after clicking the 'Apply Changes' button.						
Connection Name		Method	Routing Mode	Type		
1. <a href="#">WAN 1</a>		PPPoE	IP Forwarding	Always-on		
2. <a href="#">WAN 2</a>		PPPoE	IP Forwarding	Always-on		
3. <a href="#">WAN 3</a>		PPPoE	IP Forwarding	Always-on		
4. <a href="#">WAN 4</a>		Not Configured	NAT	Backup Group 1		
5. <a href="#">WAN 5</a>		Not Configured	NAT	Backup Group 1		
6. <a href="#">Mobile Internet</a>		PPP	NAT	Backup Group 1		
IPv6						
Disabled <input type="button" value=""/>						

**b. Select Network → WAN → WAN2**

- i. Same as WAN 1 but only PPPoE settings according to the TM ADSL modem.

**c. Select Network → WAN → WAN3**

- i. Same as WAN 1 but only PPPoE settings according to the TM ADSL modem.

**d. Select Network → WAN → WAN4**

- i. Same as WAN 1 but only PPPoE settings according to the TM ADSL modem.

**3. Setup LAN interfaces** (Only changes are mentioned, others keep default)

**a. Select “ Network → LAN”**

The screenshot shows the Peplink web interface. The top navigation bar includes 'Dashboard', 'Setup Wizard', 'Network' (highlighted with a red box), 'AP', 'System', 'Status', and 'Apply Changes'. On the left, the 'Interfaces' menu has 'WAN', 'LAN' (highlighted with a red box), 'SpeedFusion™', and 'IPsec VPN'. The main content area is titled 'IP Settings' and shows the 'IP Address' field set to '10.50.0.1' and the 'Subnet Mask' dropdown set to '255.255.255.248 (/29)'. Below this is a 'Port Settings' section.

**i. IP Settings:**

Refer to IP excel sheet that is provided for “IP address” and “Subnet Mask”

**ii. DHCP Server Settings:**

- 1. Uncheck “DHCP server”

The screenshot shows the 'DHCP Server Settings' page. The 'DHCP Server' checkbox is checked, and the 'Enable' button is highlighted with a red box. Other settings include 'IP Range' (10.50.0.2 - 10.50.0.6), 'Subnet Mask' (255.255.255.248 (/29)), 'Lease Time' (1 Days 0 Hours 0 Mins), 'DNS Servers' (Assign DNS server automatically), 'WINS Server' (Assign WINS server), and 'BOOTP' (disabled). The 'Extended DHCP Option' section is also visible.

**iii. Static Route Settings:**

- 1. Destination Network: add Pi1m and KTW network address

2. Subnet Mask: Pi1M and KTW Network Subnet Mask
3. Gateway : This will be the IP address that Peplink LAN interface is connected to.

Static Route Settings				
Static Route	Destination Network	Subnet Mask	Gateway	
	10.110.0.0	255.255.255.0 (/24)	10.50.0.2	
	10.110.1.0	255.255.255.0 (/24)	10.50.0.2	
		255.255.255.0 (/24)		

Note: Static routes will be advertised to remote PepVPN peers

iv. Click “Save”

Dynamic DNS Settings	
Service Provider	Disabled

v. Click “Apply Changes” to save.

[Dashboard](#)
[Setup Wizard](#)
[Network](#)
[AP](#)
[System](#)
[Status](#)

Apply Changes

**Interfaces**

- WAN
- LAN
- SpeedFusion™
- IPsec VPN

**Outbound Policy**

**Inbound Access**

- Servers
- Services
- DNS Settings

**Saved!** Changes will be effective after clicking the 'Apply Changes' button.

**IP Settings**

IP Address: 10.50.0.1    255.255.255.248 (/25)

**Port Settings**

Ports: ☒ LAN    Auto

☐ WAN 2

☐ WAN 3

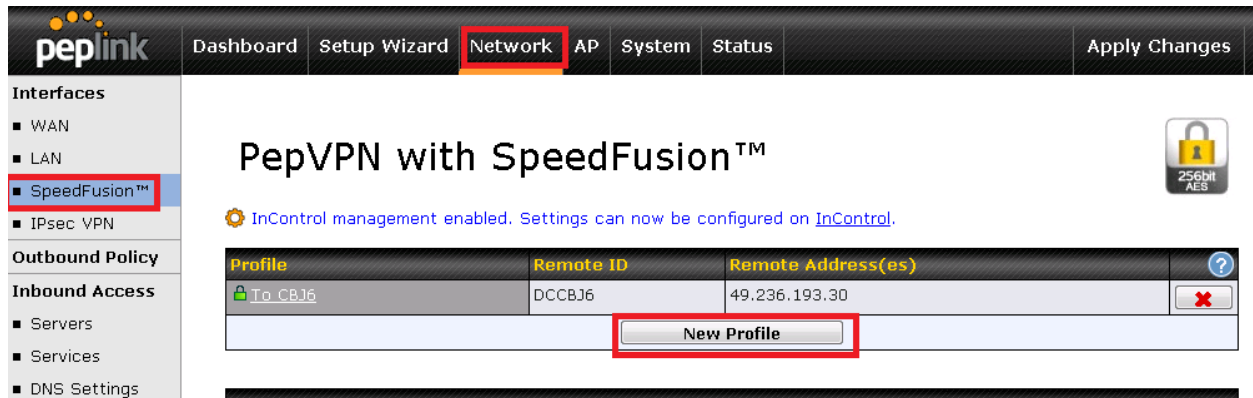
☐ WAN 4

#### 4. Setup “SpeedFusion” (Only changes are mentioned, others keep default)

a. Select “ Network→SpeedFusion “

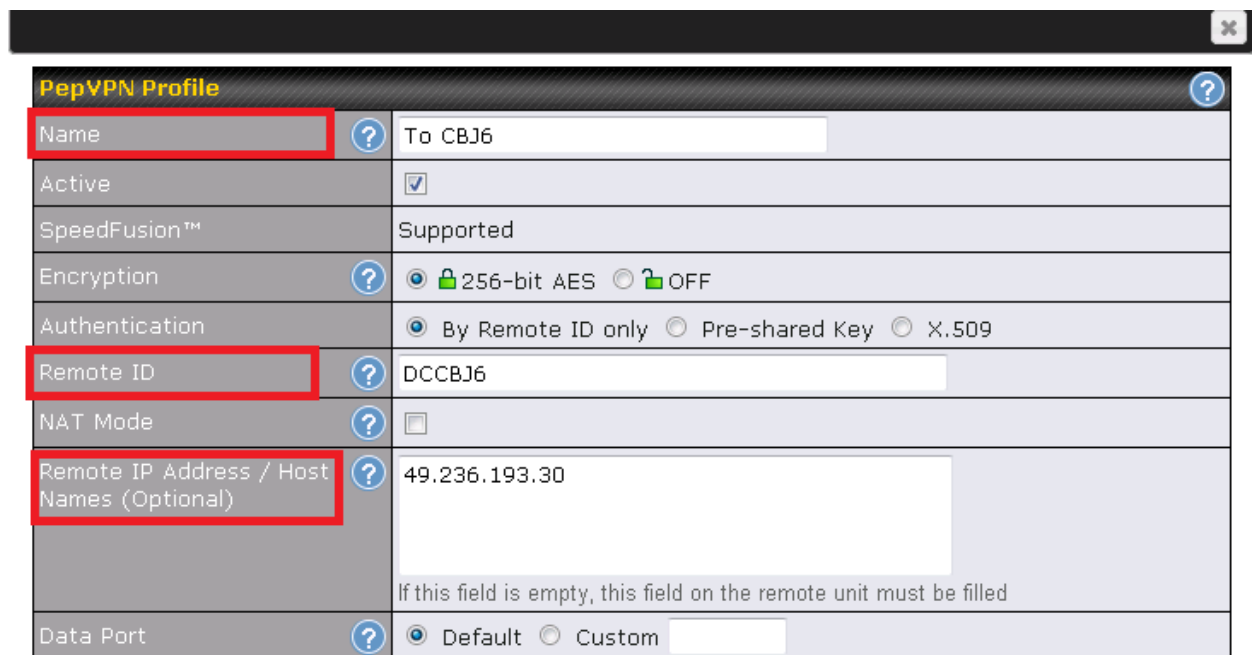
## i. Profile

### 1. Select “New Profile”



The screenshot shows the Peplink Network configuration page. The 'Network' tab is selected in the top navigation bar. On the left sidebar, 'SpeedFusion™' is highlighted under the 'Interfaces' section. The main content area is titled 'PepVPN with SpeedFusion™'. Below the title, there is a message: 'InControl management enabled. Settings can now be configured on InControl.' A table lists existing profiles, with one profile named 'To\_CBJ6' having Remote ID 'DCCBJ6' and Remote Address(es) '49.236.193.30'. A 'New Profile' button is highlighted with a red box at the bottom of the table.

- a. Name : **To CBJ6**
- b. Remote ID : **DCCBJ6**
- c. Remote IP Address : **49.236.193.30**

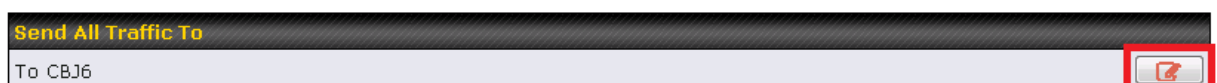


The screenshot shows the 'PepVPN Profile' configuration form. The following fields are highlighted with red boxes: 'Name' (containing 'To CBJ6'), 'Remote ID' (containing 'DCCBJ6'), and 'Remote IP Address / Host Names (Optional)' (containing '49.236.193.30'). Other fields include 'Active' (checked), 'SpeedFusion™' (Supported), 'Encryption' (256-bit AES), 'Authentication' (By Remote ID only), 'NAT Mode' (unchecked), and 'Data Port' (Default).

- d. Click “**Save**”
- e. Click “**Apply Changes**” to save

## ii. Send all traffic to

### 1. Select “Edit”



The screenshot shows the 'Send All Traffic To' configuration form. The 'To CBJ6' field is visible, and the 'Edit' button (represented by a pencil icon) is highlighted with a red box.

2. Click **"Drop Down"** and select **"To CBJ6"**. Also check the **"Box"**

**Send All Traffic**

Send All Traffic To

☒ To CBJ6

DNS: To CBJ6

8.8.8.8

Save Cancel

3. Click **"Save"**
4. Click **"Apply Changes"** to save.

### iii. PepVPN

1. Select **"Edit"**

**PepVPN**

Local ID ? A08C001

Edit

2. Local ID: **"Site code"**
3. Click **"Save"**

**PepVPN**

Local ID ? A08C001

Remote units can identify this unit by this "Local ID", in addition to the serial number.

Save Cancel

4. Click **"Apply Changes"** to save

## 5. Admin Settings

- a. Select “**System→Admin Security**”
  - i. Router Name: “**Site Code**”
  - ii. Admin Password : “**m5d1t383**”
  - iii. Security: **HTTPS**
  - iv. Web Admin Access: **LAN Only**
  - v. Click “**Save**”
  - vi. Click “**Apply Changes**”

Admin Settings	
Router Name	A08C001 hostname: a08c001
Admin User Name	admin
Admin Password	••••••••
Confirm Admin Password	••••••••
Read-only User Name	user
User Password	
Confirm User Password	
Front Panel Passcode	<input type="checkbox"/>
Web Session Timeout	4 Hours 0 Minutes
Authentication by RADIUS	<input type="checkbox"/> Enable
CLI SSH & Console	<input type="checkbox"/> Enable
Security	HTTPS
Web Admin Port	443 Default
Web Admin Access	LAN Only



# TM ADSL modem Setup

1. Login to TM ADSL modem via web login page
2. Click “Interface Setup→Internet→Encapsulation”
  - a. ISP : Bridge mode
  - b. Click “Save”

The screenshot shows the TM ADSL Router web interface. The top navigation bar includes 'Quick Start', 'Interface Setup' (highlighted), 'Advanced Setup', 'Access Management', 'Maintenance', and 'Status'. Under 'Interface Setup', 'Internet' is selected. The left sidebar shows 'Interface' (selected), 'ATM VC', 'QoS', 'IPv4/IPv6', 'Encapsulation' (highlighted), and 'Bridge Mode'. The main content area is for 'Encapsulation' setup. It shows 'Virtual Circuit' set to 'PVC0', 'Status' as 'Activated', 'VPI' as '0', and 'VCI' as '35'. 'ATM QoS' is set to 'UBR'. 'IP Version' is set to 'IPv4'. 'ISP' is set to 'Dynamic IP Address'. 'Encapsulation' is set to '1483 Bridged IP LLC'. 'SAVE' and 'DELETE' buttons are at the bottom.

3. Click “Interface Setup→LAN”
  - a. Router Local IP: change Modem IP to 192.168.1.1 ( if more than 1 , next modem IP will be 192.168.2.1 and so on.)

The screenshot shows the TM ADSL Router web interface. The top navigation bar includes 'Quick Start', 'Interface Setup' (highlighted), 'Advanced Setup', 'Access Management', 'Maintenance', and 'Status'. Under 'Interface Setup', 'LAN' is selected. The left sidebar shows 'Interface', 'Router Local IP' (selected), and 'Bridge Mode'. The main content area is for 'Router Local IP' setup. It shows 'Main IP Address' set to '192.168.1.1', 'Main Subnet Mask' as '255.255.255.0', 'Alias IP Address' as '0.0.0.0', and 'Alias Subnet Mask' as '0.0.0.0'. 'Dynamic Route' is set to 'RIP2-B', 'Direction' is 'None', 'Multicast' is 'IGMP v2', and 'IGMP Snoop' is 'Enabled'.

4. Now Connect TM ADSL Modem 1 LAN cable to Peplink Balanced WAN1 and same for other Modem also

## Testing

1. Connect PC with Pi1m network
2. Browse [www.google.com](http://www.google.com) and search "What is my IP address", You will see your IP address will be 49.236.193.30
3. Do Speed test