

# Configuring PPTP on RV110W

## Objective

Point-to-Point Tunneling Protocol(PPTP) provides a way to implement Virtual Private Networks (VPNs). The objective of this document is to help you configure the PPTP settings on the RV110W.

## Applicable Devices

- RV110W

## Configuring PPTP

Step 1. In the web configuration utility, choose **Networking > WAN**.

The screenshot shows the 'Internet Setup' configuration page. The 'Internet Connection Type' is set to 'PPTP'. The 'PPTP Settings' section includes the following fields:

- IP Address: 0 . 0 . 0 . 0 (Hint: 192.168.100.100)
- Subnet Mask: 0 . 0 . 0 . 0 (Hint: 255.255.255.0)
- Default Gateway: 0 . 0 . 0 . 0 (Hint: 192.168.100.1)
- PPTP Server: 0 . 0 . 0 . 0 (Hint: 192.168.100.1)
- Username: [Empty text box]
- Password: [Empty text box]
- Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)
- Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)
- Authentication Type: Auto Negotiation

The 'Optional Settings' section includes:

- Host Name: router1FE47D
- Domain Name: [Empty text box]
- MTU:  Auto  Manual
- Size: 1500 Bytes (Range: 576 - 1460, Default: 1460)

At the bottom, there are 'Save' and 'Cancel' buttons.

Step 2. From the *Internet Connection Type* drop-down menu, choose **PPTP**.

Internet Setup

Internet Connection Type: PPTP

**PPTP Settings**

IP Address: 0 . 0 . 0 . 0 (Hint: 192.168.100.100)

Subnet Mask: 0 . 0 . 0 . 0 (Hint: 255.255.255.0)

Default Gateway: 0 . 0 . 0 . 0 (Hint: 192.168.100.1)

PPTP Server: 0 . 0 . 0 . 0 (Hint: 192.168.100.1)

Username:

Password:

Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type: Auto Negotiation

**Optional Settings**

Host Name: router1FE47D

Domain Name:

MTU:  Auto  Manual

Size: 1500 Bytes (Range: 576 - 1460, Default: 1460)

Save Cancel

Step 3. In the *Internet IP Address* field, enter the IP address of the WAN port.

### Internet Setup

Internet Connection Type: PPTP

#### PPTP Settings

IP Address: 192 . 168 . 100 . 100 (Hint: 192.168.100.100)

Subnet Mask: 255 . 255 . 255 . 0 (Hint: 255.255.255.0)

Default Gateway: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)

PPTP Server: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)

Username: username

Password: .....

Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type: Auto Negotiation

#### Optional Settings

Host Name: router1FE47D

Domain Name: domain.com

MTU:  Auto  Manual

Size: 1500 Bytes (Range: 576 - 1460, Default: 1460)

Save Cancel

Step 4. In the *Subnet Mask* field, enter the subnet mask of the WAN port

### Internet Setup

Internet Connection Type: PPTP

#### PPTP Settings

IP Address: 192 . 168 . 100 . 100 (Hint: 192.168.100.100)

**Subnet Mask: 255 . 255 . 255 . 0 (Hint: 255.255.255.0)**

Default Gateway: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)

PPTP Server: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)

Username: username

Password: .....

Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type: Auto Negotiation

#### Optional Settings

Host Name: router1FE47D

Domain Name: domain.com

MTU:  Auto  Manual

Size: 1500 Bytes (Range: 576 - 1460, Default: 1460)

Save Cancel

Step 5. In the *Default Gateway* field, enter the IP address of the default gateway.

### Internet Setup

Internet Connection Type:

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#### PPTP Settings

IP Address:  .  .  .  (Hint: 192.168.100.100)

Subnet Mask:  .  .  .  (Hint: 255.255.255.0)

**Default Gateway:  .  .  .  (Hint: 192.168.100.1)**

PPTP Server:  .  .  .  (Hint: 192.168.100.1)

Username:

Password:

Connect on Demand: Max Idle Time  minutes (Range: 1 - 9999, Default: 5)

Keep Alive: Redial period  seconds (Range: 20 - 180, Default: 30)

Authentication Type:

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#### Optional Settings

Host Name:

Domain Name:

MTU:  Auto  Manual

Size:  Bytes (Range: 576 - 1460, Default: 1460)

Step 6. In the *PPTP Server* field, enter the IP address of the PPTP server.

### Internet Setup

Internet Connection Type: PPTP

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#### PPTP Settings

IP Address: 192 . 168 . 100 . 100 (Hint: 192.168.100.100)

Subnet Mask: 255 . 255 . 255 . 0 (Hint: 255.255.255.0)

Default Gateway: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)

**PPTP Server: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)**

Username: username

Password: .....

Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type: Auto Negotiation

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#### Optional Settings

Host Name: router1FE47D

Domain Name: domain.com

MTU:  Auto  Manual

Size: 1500 Bytes (Range: 576 - 1460, Default: 1460)

Save Cancel

Step 7. Enter the username in the *Username* field provided by your ISP.

### Internet Setup

Internet Connection Type: PPTP

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#### PPTP Settings

IP Address: 192 . 168 . 100 . 100 (Hint: 192.168.100.100)

Subnet Mask: 255 . 255 . 255 . 0 (Hint: 255.255.255.0)

Default Gateway: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)

PPTP Server: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)

**Username:** username

Password: .....

Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type: Auto Negotiation

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#### Optional Settings

Host Name: router1FE47D

Domain Name: domain.com

MTU:  Auto  Manual

Size: 1500 Bytes (Range: 576 - 1460, Default: 1460)

Save Cancel

Step 8. Enter the password in the *Password* field provided by your ISP.



### Internet Setup

Internet Connection Type: PPTP

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#### PPTP Settings

IP Address: 192 . 168 . 100 . 100 (Hint: 192.168.100.100)  
Subnet Mask: 255 . 255 . 255 . 0 (Hint: 255.255.255.0)  
Default Gateway: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)  
PPTP Server: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)  
Username: username  
Password: .....

Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)  
 Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type: Auto Negotiation

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#### Optional Settings

Host Name: router1FE47D  
Domain Name: domain.com  
MTU:  Auto  Manual  
Size: 1500 Bytes (Range: 576 - 1460, Default: 1460)

Save Cancel

Step 9. Click either **Connect on Demand** or **Keep Alive**.



### Internet Setup

Internet Connection Type: PPTP

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**PPTP Settings**

IP Address: 192 . 168 . 100 . 100 (Hint: 192.168.100.100)

Subnet Mask: 255 . 255 . 255 . 0 (Hint: 255.255.255.0)

Default Gateway: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)

PPTP Server: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)

Username: username

Password: .....

Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type: Auto Negotiation

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**Optional Settings**

Host Name: router1FE47D

Domain Name: domain.com

MTU:  Auto  Manual

Size: 1500 Bytes (Range: 576 - 1460, Default: 1460)

Save Cancel

- **Connect on Demand**— Select this option if your ISP charges based on the amount of time that you are connected. When selecting this option, the Internet connection is on only when traffic is present. If the connection is idle and no traffic is flowing then the connection is closed. Enter the number of minutes after which the connection shuts off in the Max Idle Time field.
- **Keep Alive**— In the Redial Period field, enter the number of seconds after which the RV110W attempts to reconnect if it is disconnected.

Step 10. Choose the authentication type from the *Authentication Type* drop-down list.

**Internet Setup**

Internet Connection Type: PPTP

**PPTP Settings**

IP Address: 192 . 168 . 100 . 100 (Hint: 192.168.100.100)

Subnet Mask: 255 . 255 . 255 . 0 (Hint: 255.255.255.0)

Default Gateway: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)

PPTP Server: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)

Username: username

Password: .....

Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

**Authentication Type:** Auto Negotiation

**Optional Settings**

Host Name: router1FE47D

Domain Name: domain.com

MTU:  Auto  Manual

Size: 1500 Bytes (Range: 576 - 1460, Default: 1460)

Save Cancel

- Auto-Negotiation Type— The server sends a configuration request specifying the security algorithm set on it. Then, the RV110W sends back authentication credentials with the security type sent earlier by the server.
- PAP Type— The RV110W uses the Password Authentication Protocol (PAP) to connect to the ISP:
- CHAP— The RV110W uses the Challenge Handshake Authentication Protocol (CHAP) when connecting with the ISP.
- MS-CHAP or MS-CHAPv2— The RV110W uses Microsoft Challenge Handshake Authentication Protocol when connecting with the ISP.

Step 11. (Optional) Enter the host name of the RV110W in the *Host Name* field.

### Internet Setup

Internet Connection Type: PPTP

#### PPTP Settings

IP Address: 192 . 168 . 100 . 100 (Hint: 192.168.100.100)  
Subnet Mask: 255 . 255 . 255 . 0 (Hint: 255.255.255.0)  
Default Gateway: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)  
PPTP Server: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)  
Username: username  
Password: .....

Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)  
 Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type: Auto Negotiation

#### Optional Settings

Host Name: router1FE47D  
Domain Name: domain.com  
MTU:  Auto  Manual  
Size: 1500 Bytes (Range: 576 - 1460, Default: 1460)

Save Cancel

**Note:** If you do not wish configure any of the optional settings, then skip to Step 15.

Step 12. Enter the domain name of your network in the *Domain Name* field.

### Internet Setup

Internet Connection Type: PPTP

#### PPTP Settings

IP Address: 192 . 168 . 100 . 100 (Hint: 192.168.100.100)  
Subnet Mask: 255 . 255 . 255 . 0 (Hint: 255.255.255.0)  
Default Gateway: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)  
PPTP Server: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)  
Username: username  
Password: .....

Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)  
 Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type: Auto Negotiation

#### Optional Settings

Host Name: router1FE47D  
**Domain Name: domain.com**  
MTU:  Auto  Manual  
Size: 1500 Bytes (Range: 576 - 1460, Default: 1460)

Save Cancel

Step 13. Click **Auto** to set the size of the Maximum Transmission Unit (MTU) to have the size automatically adjust, or click **Manual** to specify the size of the MTU.

### Internet Setup

Internet Connection Type: PPTP

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#### PPTP Settings

IP Address: 192 . 168 . 100 . 100 (Hint: 192.168.100.100)  
Subnet Mask: 255 . 255 . 255 . 0 (Hint: 255.255.255.0)  
Default Gateway: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)  
PPTP Server: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)  
Username: username  
Password: .....

Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)  
 Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type: Auto Negotiation

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#### Optional Settings

Host Name: router1FE47D  
Domain Name: domain.com  
MTU:  Auto  Manual  
Size: 1500 Bytes (Range: 576 - 1460, Default: 1460)

Save Cancel

Step 14. If you click **Manual**, enter the size of the MTU in the Size field.

## Internet Setup

Internet Connection Type: PPTP

---

**PPTP Settings**

IP Address: 192 . 168 . 100 . 100 (Hint: 192.168.100.100)

Subnet Mask: 255 . 255 . 255 . 0 (Hint: 255.255.255.0)

Default Gateway: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)

PPTP Server: 192 . 168 . 100 . 1 (Hint: 192.168.100.1)

Username: username

Password: .....

Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type: Auto Negotiation

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**Optional Settings**

Host Name: router1FE47D

Domain Name: domain.com

MTU:  Auto  Manual

Size: 1500 Bytes (Range: 576 - 1460, Default: 1460)

Save Cancel

Step 15. Click **Save** to save the configuration changes, or click **Cancel** to discard the changes.