Configure PPPoE on RV110W

Objective

Point-to-Point Protocol over Ethernet (PPPoE) is a network protocol that encloses the Point-to-point protocol within the Ethernet frame. PPPoE makes it so that packets can be transported across the connection securely and the user can virtually dial from one device to another over ethernet.
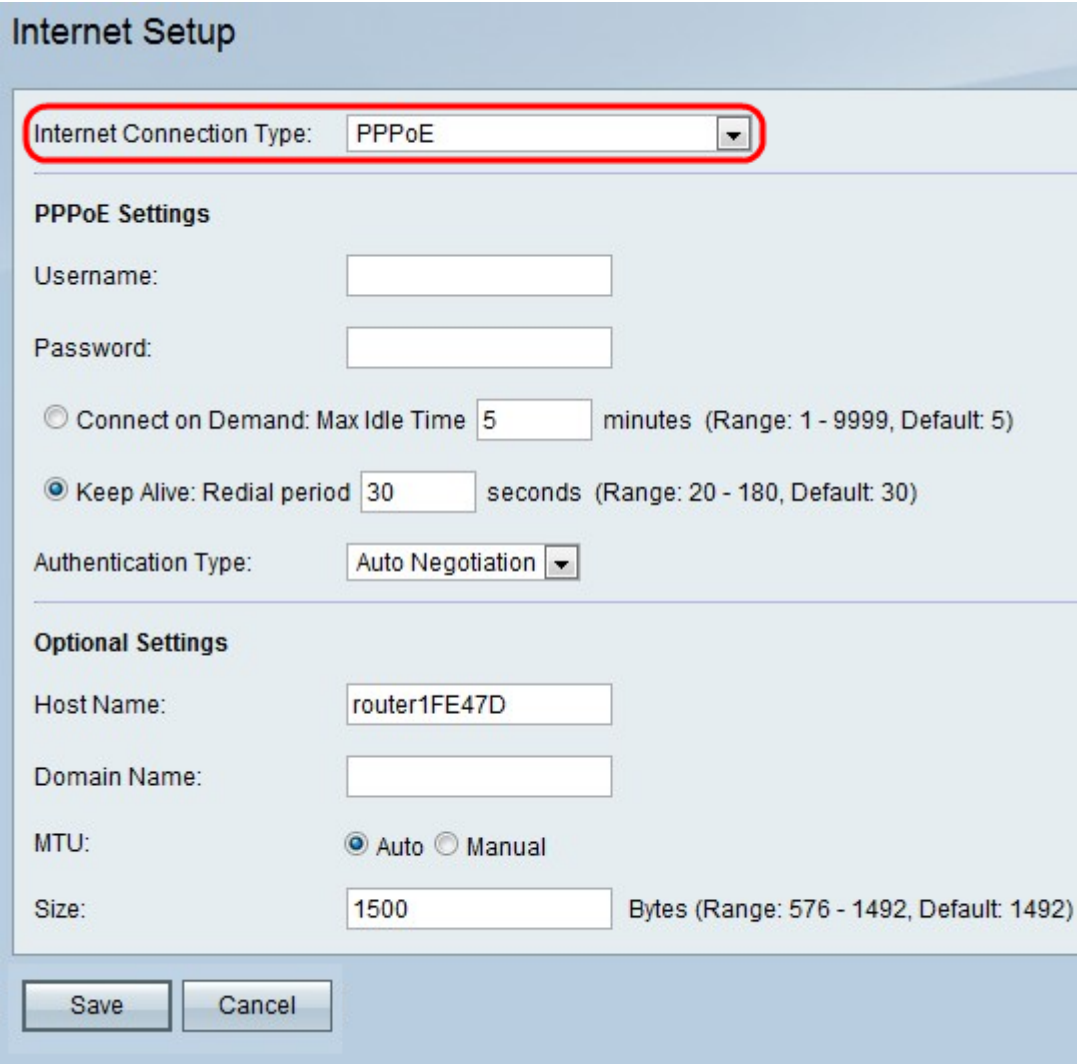
The objective of this document is to show you how to configure the PPPoE settings on the RV110W.

Applicable Devices

• RV110W

Configuring PPPoE

Step 1. Login to the web configuration utility and choose **Networking > WAN**.

Step 2. From the *Internet Connection Type* drop-down list, choose **PPPoE**.

Internet Setup

Internet Connection Type:	PPPoE

PPPoE Settings

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:	
MTU:	◉ Auto ○ Manual
Size:	1500 Bytes (Range: 576 - 1492, Default: 1492)

Save   Cancel

Step 3. Enter the username provided by your ISP in the *Username* field.

Internet Setup

Internet Connection Type: PPPoE ▼

PPPoE Settings

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:

MTU: ● Auto ○ Manual

Size: 1500   Bytes (Range: 576 - 1492, Default: 1492)

Save   Cancel

Step 4. Enter the password provided by your ISP in the *Password* field.

Internet Setup

Internet Connection Type:	PPPoE

PPPoE Settings

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:	
MTU:	◉ Auto ◯ Manual
Size:	1500 Bytes (Range: 576 - 1492, Default: 1492)

Save   Cancel

Step 5. Click either **Connect on Demand** or **Keep Alive**.

The available options are defined as follows:

• 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 6. Choose the authentication type from the *Authentication Type* drop-down list.

Internet Setup

Internet Connection Type:	PPPoE ▾

PPPoE Settings

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 - 1492, Default: 1492)

Save   Cancel

The available options are defined as follows:

• Auto Negotiation Type — 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 — Uses the Password Authentication Protocol (PAP) to connect to the ISP.

• CHAP — Uses the Challenge Handshake Authentication Protocol (CHAP) when connecting with the ISP.

• MS-CHAP or MS-CHAPv2 — Uses Microsoft Challenge Handshake Authentication Protocol when connecting with the ISP.

Step 7. (Optional) Enter the host name of the RV110W in the *Host Name* field.

Note: If you do not wish configure any of the optional settings, then skip to Step 11.

Internet Setup

Internet Connection Type: PPPoE ▼

PPPoE Settings

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 - 1492, Default: 1492)

Save   Cancel

Step 8. Enter the domain name of your network in the *Domain Name* field.

Internet Setup

Internet Connection Type:	PPPoE ▼

PPPoE Settings

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 - 1492, Default: 1492)

[Save] [Cancel]

Step 9. Click **Auto** to set the size of the MTU to have the size automatically adjust, or click **Manual** to specify the size of the MTU.

Step 10. If you click **Manual**, enter the size of the MTU in the *Size* field.

Step 11. Click **Save** to save the configuration changes, or **Cancel** to discard the changes.