Internet Setup on the CVR100W VPN Router

Objective

The *Internet Setup* page is used to create a connection from the Wide Area Network (WAN) port to the Internet. The WAN is a network that stretches over broad areas allowing effective communication, specifically using the Internet. This process allows access to the Internet through the device. This article explains how to setup the Internet connection to the WAN through the CVR100W VPN Router.

Note: Configuring the WAN connection varies depending on which Internet connection you have.

Applicable Device

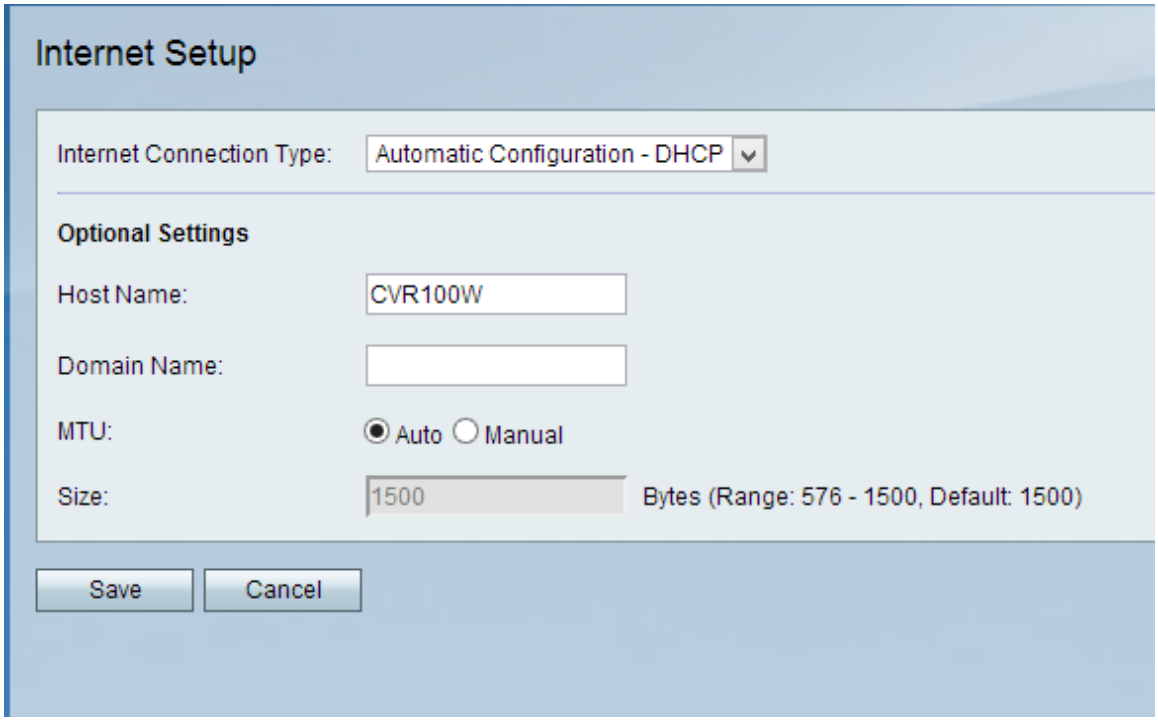
- CVR100W VPN Router

Software Version

- 1.0.1.19

Internet Setup

Step 1. Log in to the web configuration utility and choose **Networking > WAN > Internet Setup**. The *Internet Setup* page opens:



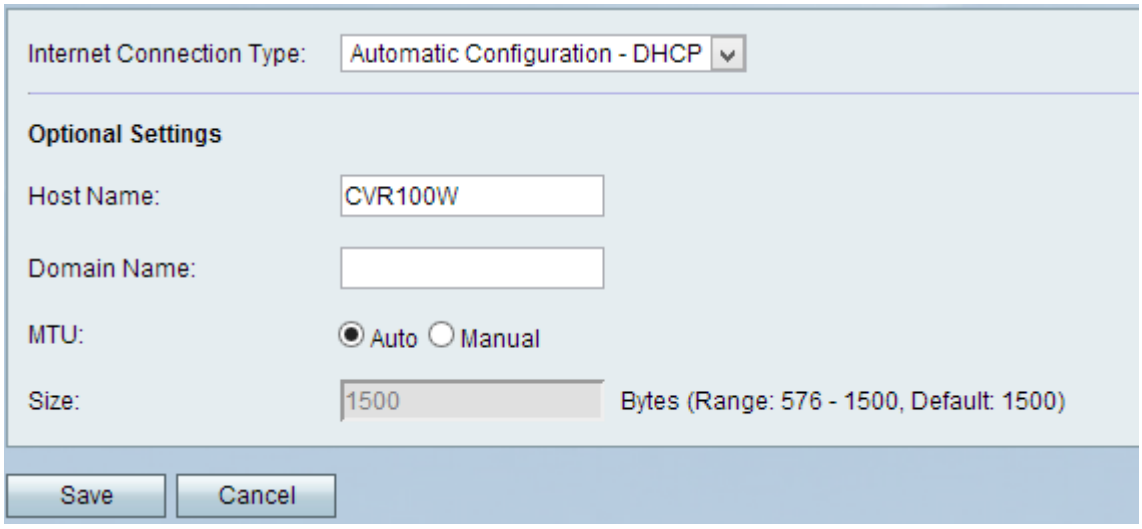
Step 2. From the Internet Connection Type drop-down list, choose an option for the WAN port.

- Automatic Configuration-DHCP — The CVR100W Router will dynamically receive an IP address from the Internet Service Provider (ISP).

• PPPoE — (Point-to-Point Protocol over Ethernet) will require you to use the username and password given by your ISP.

• Static IP — This will be used if your ISP gives you a permanent IP address for the WAN device.

Automatic Configuration - DHCP



Note: The Optional Settings only need to be configured if the ISP requires them.

Step 1. Enter the host name of your network in the Host Name field. The host name will be the name of the device used by the ISP to identify the WAN connection.

Step 2. Enter the domain name of your network in the Domain Name field. The domain name will be used by the ISP to identify the WAN connection.

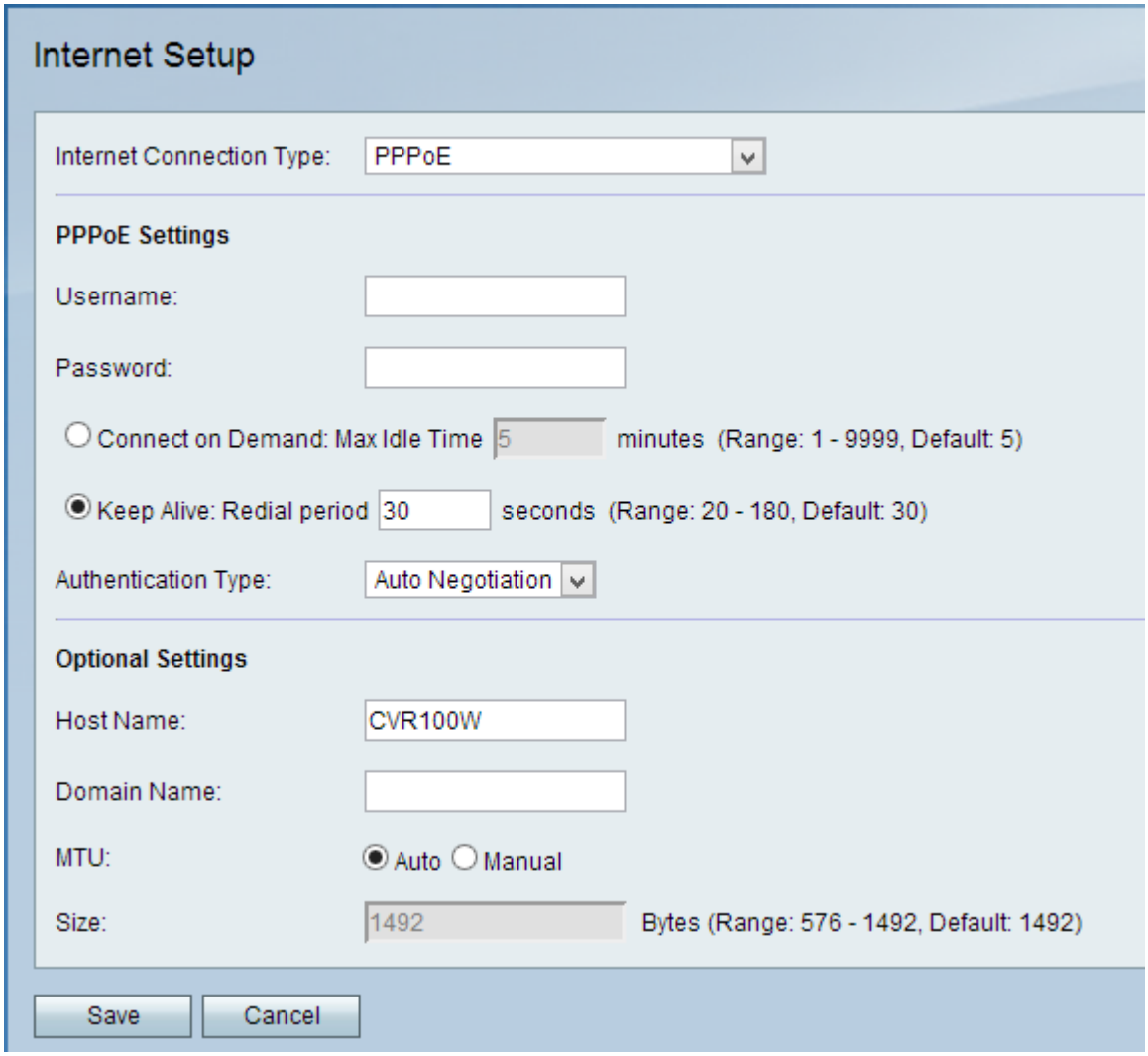
Step 3. The Maximum Transmission Unit (MTU) is the specific largest amount of protocol data units that can be passed by the device. Click one of the following radio buttons:

• Auto — The MTU size is configured automatically.

• Manual — Enter the required number from your ISP in the Size field to specify the MTU manually.

Step 4. Click **Save**.

PPPoE



Step 1. Enter the username assigned to you by your ISP in the username field.

Step 2. Enter the password assigned to you by your ISP in the password field.

Step 3. Click one of the following radio buttons. This determines the type of connectivity for the PPPoE connection.

- Keep Alive — Enter the number of seconds the CVR100W tries to reconnect after it has been disconnected in the Redial period field.
- Connect on Demand — If your Internet service is based on a certain amount of time you are connected, enter the number of minutes the CVR100W can be idle, after which the connection shuts off, in the Max Idle Time field.

Step 4. Choose the type of authentication used for the PPPoE connection from the Authentication Type drop-down list:

- Auto Negotiation — Request sent from the server to the device for a specific security code to verify the VLAN of the CVR100W to the server.
- PAP — Password Authentication Protocol requires a specific password to connect the device to the ISP.
- CHAP — Challenge Handshake Authentication Protocol that sends out a ping to the server in order to connect the device to the ISP.

- MS-CHAP or MS-CHAPv2 — Microsoft Challenge Handshake Authentication Protocol sends out a request to the server much like the CHAP, however, this method is specifically from Microsoft that requires another password to connect the device to the ISP.

Note: The Optional Settings only need to be configured if the ISP requires them.

Step 5. Enter the host name of your network in the Host Name field. The host name will be the name of the device used by the ISP to identify the WAN connection, in this case the CVR100W Router.

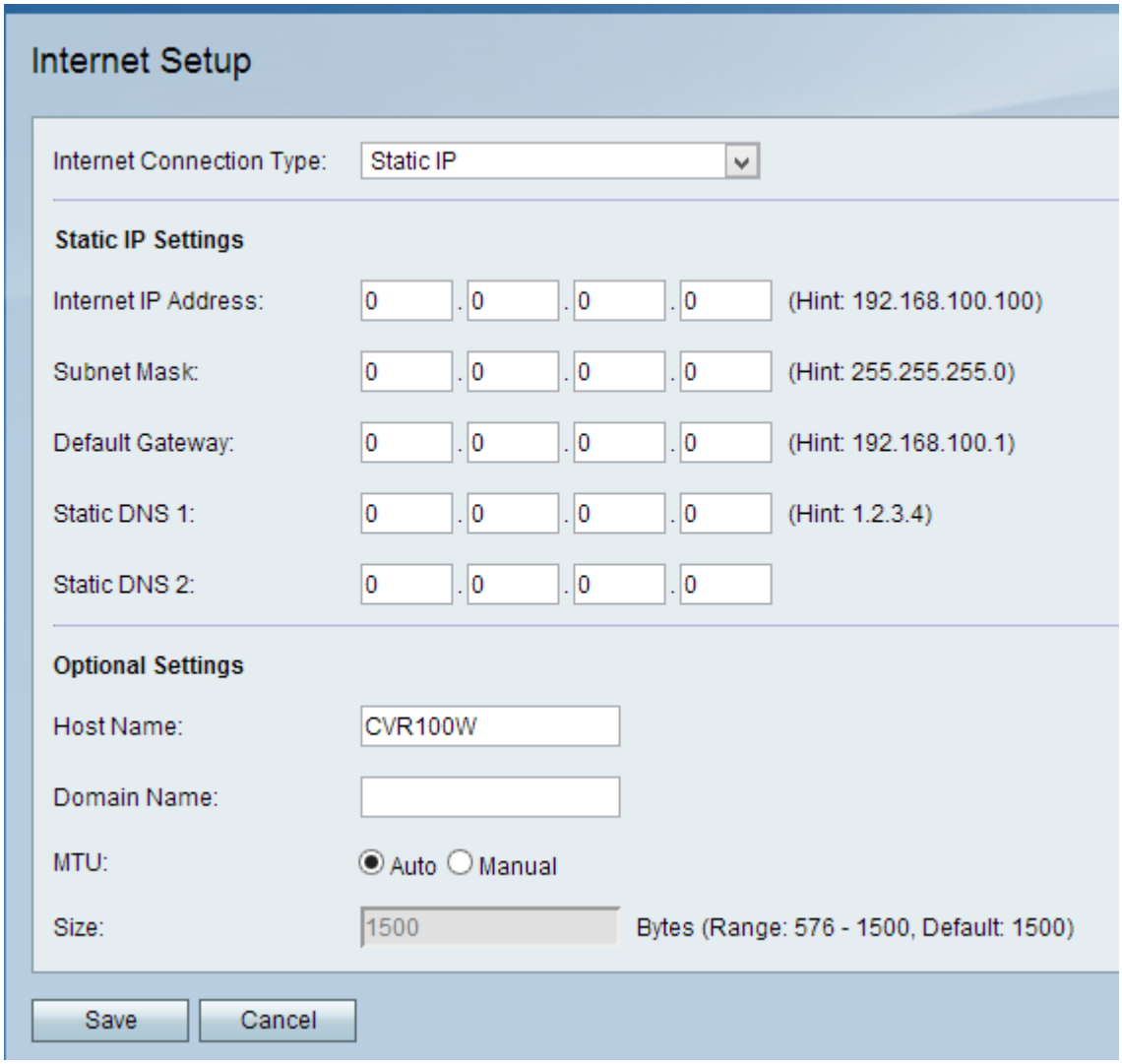
Step 6. Enter the domain name of your network in the Domain Name field. The domain name will be used by the ISP to identify the WAN connection.

Step 7. The Maximum Transmission Unit (MTU) is the specific largest amount of protocol data units that can be passed by the device. Click one of the following radio buttons:

- Auto — The MTU size is configured automatically.
- Manual — Enter the required number from your ISP in the Size field to specify the MTU manually.

Step 8. Click **Save**.

Static IP



Step 1. Enter all IP addresses assigned by the ISP in the appropriate fields:

- Internet IP Address — The static IP address of the WAN port.
- Subnet Mask — The subnet mask of the static IP address.
- Default Gateway — The default gateway of the WAN port.
- Static DNS 1 — Primary DNS (Domain Name System) server IP address.
- Static DNS 2 — Secondary DNS server IP address.

Step 2. Enter the domain name of your network in the Domain Name field.

Note: The Optional Settings only need to be configured if the ISP requires them.

Step 3. Enter the host name of your network in the Host Name field. The host name will be the name of the device used by the ISP to identify the WAN connection, in this case the CVR100W Router.

Step 4. Enter the domain name of your network in the Domain Name field. The domain name will be used by the ISP to identify the WAN connection.

Step 5. The Maximum Transmission Unit (MTU) is the specific largest amount of protocol data units that can be passed by the device. Click one of the following radio buttons:

- Auto — The MTU size is configured automatically.
- Manual — Enter the required number from your ISP in the Size field to specify the MTU manually.

Step 6. Click **Save**.