

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

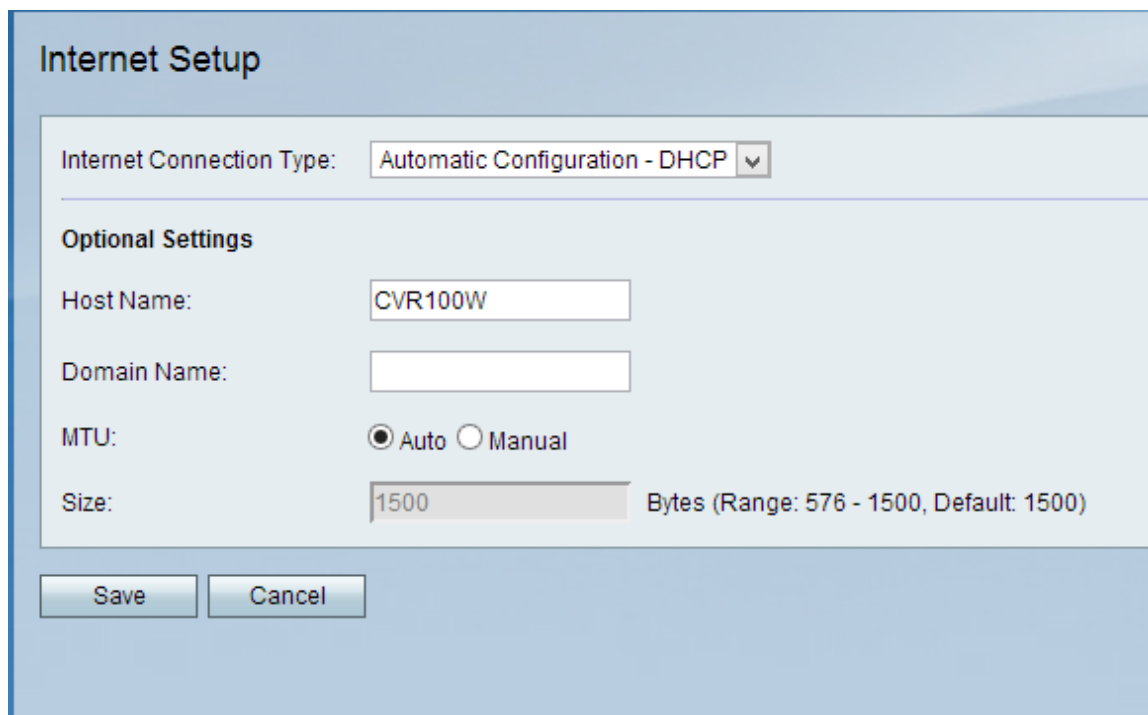
- CVR100W VPN Router

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:



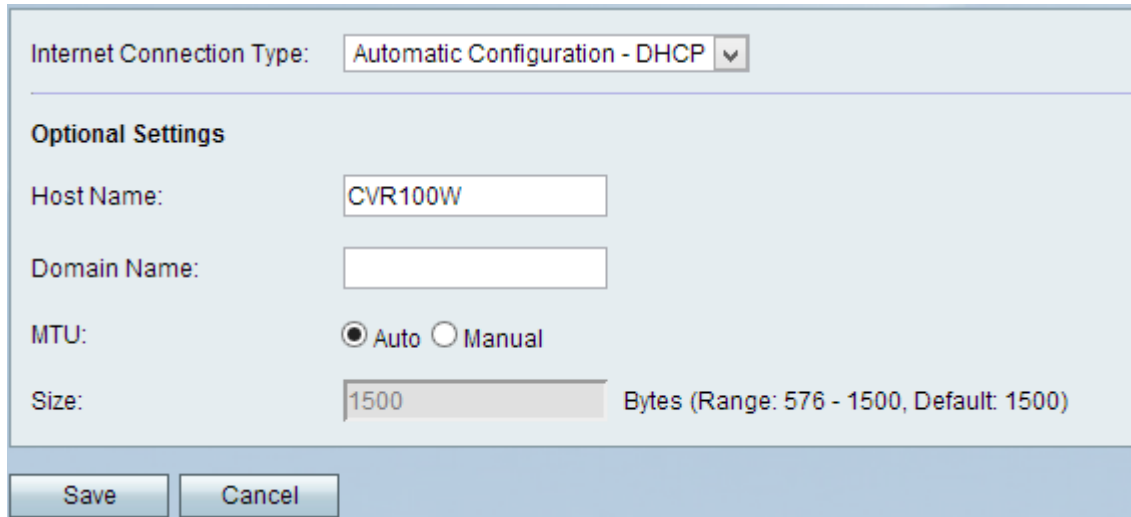
The screenshot shows the 'Internet Setup' web configuration page. At the top, the title 'Internet Setup' is displayed. Below it, the 'Internet Connection Type' is set to 'Automatic Configuration - DHCP' via a drop-down menu. A section titled 'Optional Settings' contains the following fields: 'Host Name' with the value 'CVR100W', 'Domain Name' with an empty text box, 'MTU' with radio buttons for 'Auto' (selected) and 'Manual', and 'Size' with a value of '1500' and a note 'Bytes (Range: 576 - 1500, Default: 1500)'. At the bottom of the form are 'Save' and 'Cancel' buttons.

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



The screenshot shows a configuration window titled "Automatic Configuration - DHCP". At the top, "Internet Connection Type:" is set to "Automatic Configuration - DHCP" with a dropdown arrow. Below this is a section titled "Optional Settings". It contains four fields: "Host Name:" with the value "CVR100W", "Domain Name:" which is empty, "MTU:" with radio buttons for "Auto" (selected) and "Manual", and "Size:" with a value of "1500" and a text label "Bytes (Range: 576 - 1500, Default: 1500)". At the bottom are "Save" and "Cancel" buttons.

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

The image shows a web-based configuration window titled "Internet Setup". At the top, "Internet Connection Type:" is set to "PPPoE" in a dropdown menu. Below this, the "PPPoE Settings" section contains fields for "Username:" and "Password:". There are two radio button options: "Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)" and "Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)". The "Keep Alive" option is selected. The "Authentication Type:" dropdown is set to "Auto Negotiation". The "Optional Settings" section includes "Host Name:" (CVR100W), "Domain Name:" (empty), "MTU:" (radio buttons for "Auto" and "Manual", with "Auto" selected), and "Size:" (1492 Bytes (Range: 576 - 1492, Default: 1492)). At the bottom are "Save" and "Cancel" buttons.

Internet Setup	
Internet Connection Type:	PPPoE
PPPoE Settings	
Username:	
Password:	
<input type="radio"/> Connect on Demand: Max Idle Time	5 minutes (Range: 1 - 9999, Default: 5)
<input checked="" type="radio"/> Keep Alive: Redial period	30 seconds (Range: 20 - 180, Default: 30)
Authentication Type:	Auto Negotiation
Optional Settings	
Host Name:	CVR100W
Domain Name:	
MTU:	<input checked="" type="radio"/> Auto <input type="radio"/> Manual
Size:	1492 Bytes (Range: 576 - 1492, Default: 1492)
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

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

Internet Setup

Internet Connection Type: Static IP

Static IP Settings

Internet 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)

Static DNS 1: 0 . 0 . 0 . 0 (Hint: 1.2.3.4)

Static DNS 2: 0 . 0 . 0 . 0

Optional Settings

Host Name: CVR100W

Domain Name:

MTU: ☒ Auto ☐ Manual

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

Save Cancel

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**.