Basic Setup Wizard on RV32x VPN Router Series

Objective

The Basic Setup Wizard is a convenient and simple guided method of setting up initial configurations of the RV32x router series.

This document outlines and describes the Basic Setup Wizard, which can be used to change the WAN ports or configure the Internet connection of VPN Routers.
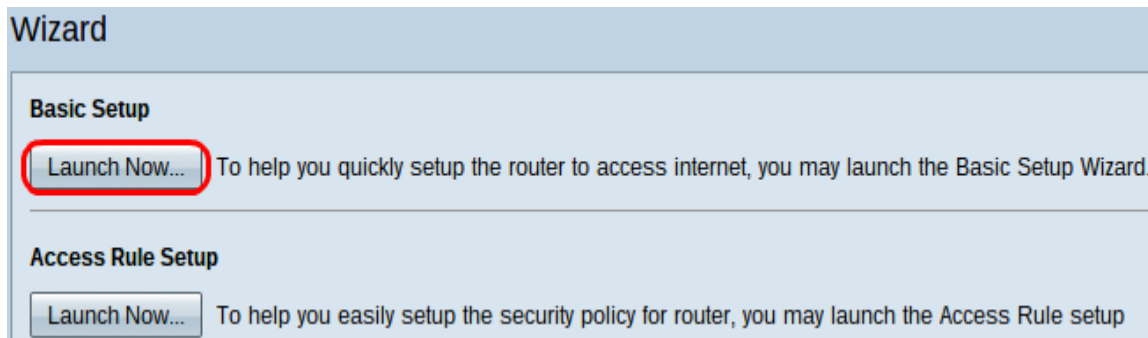
Applicable Devices

- RV320 Dual WAN VPN Router
- RV325 Gigabit Dual WAN VPN Router
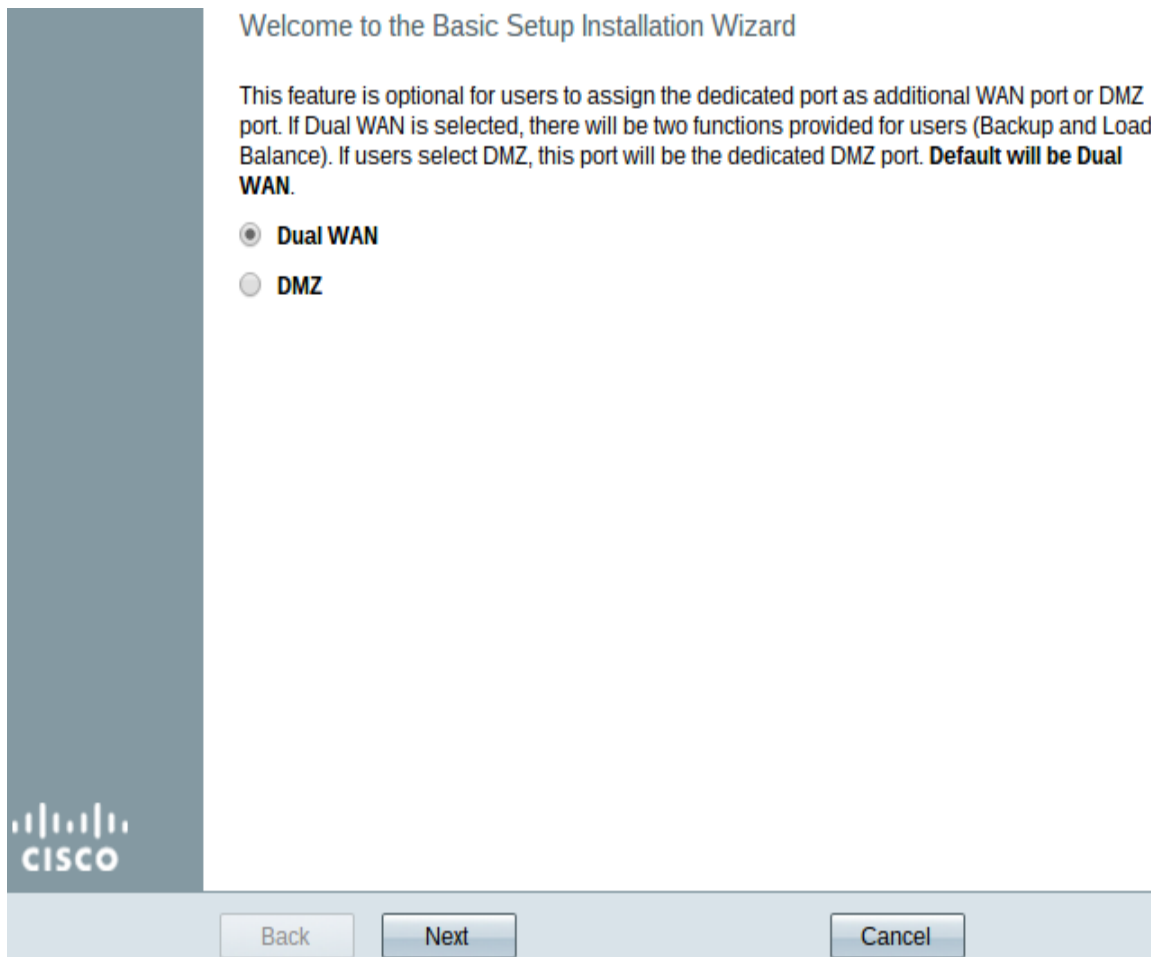
Software Version

- v1.1.0.09

Basic Setup Wizard

Step 1. Log in to the Router Configuration Utility and choose **Wizard**. The *Wizard* page opens:

Step 2. Click the **Launch Now** button underneath the Basic Setup area to commence the Basic Setup Wizard. The *Basic Setup Installation Wizard* dialog-box appears.

Welcome to the Basic Setup Installation Wizard

This feature is optional for users to assign the dedicated port as additional WAN port or DMZ port. If Dual WAN is selected, there will be two functions provided for users (Backup and Load Balance). If users select DMZ, this port will be the dedicated DMZ port. **Default will be Dual WAN**.

○ **Dual WAN**

○ DMZ

Back   Next   Cancel

Step 3. Click the **Dual WAN** or **DMZ** radio button to continue the wizard for their respective settings. This decides how the dedicated port on the device is used: as an additional Wide Area Network (WAN) or Demilitarize Zone (DMZ) port.

• Dual WAN — Dual WAN is a useful and cost effective way to have network redundancy. Two different Internet Service Providers (ISPs) can be connected to the router. This assures that if one fails, the other is likely to continue to serve you. It gives the router two different WAN links to outside providers or networks.

• DMZ — A Demilitarized Zone is a logical subnetwork that contains the hosts, usually servers, that offer external services such as email, DNS, and FTP. The hosts that offer external services are more vulnerable to attacks from an untrusted zone, which is usually the Internet. A DMZ offers high security to the hosts connected to LAN in the given network. It is a good way to add more security to your network by separating your private network from your public network.

Step 4. Click **Next** to continue the wizard. The *Host and Domain* page opens:

Step 5. Enter a host name for the router in the Host Name field.

Step 6. Enter a domain name for the router in the Domain Name field.

Step 7. Click **Next** to continue the wizard. The *WAN1* page opens:

Click the desired radio button to select a WAN connection type for WAN1 and click

Next to continue the wizard. Based on which radio button was clicked, a new page opens:

  • Obtain an IP Automatically — Assigns IP address automatically. This is the default.

  • Static IP — Allows you to assign a static IP address.

  • PPPoE (Point-to-Point Protocol over Ethernet) — Network protocol that offers a more secure data transmission. It provides an password authentication method of assigning IP addresses to client systems by the ISP.

Step 9. Based on your actions from Step 3 of Basic Setup Wizard, advance to the section titled *Dual WAN* or *DMZ*.

Obtain an IP Automatically for WAN1

Step 1. Click the desired radio button to select the type of the Domain Name System (DNS) servers to use.

  • Use DNS Server provided by ISP (default) — DNS servers from the ISP to resolve domain names into IP addresses.

  • Use the Following DNS server Addresses — Used to input your own IP addresses for DNS servers. Enter the desired DNS server IP addresses to use in the DNS Server 1 and DNS Server 2 fields.

Step 2. Click **Next** to continue the wizard.

Static IP for WAN1

✔ Host and Domain	**Static IP For WAN1**
WAN1	Please enter WAN IP address provided by ISP.
WAN2 / DMZ	**IP Address:** 192.0.2.8
Summary	Please enter subnet mask.: **(255.255.255.0 is default** value.)
Finish	**Subnet Mask:** 255.255.255.0
	Please enter default gateway IP address.
	Default Gateway: 192.0.2.20

Back   Next   Cancel

Step 1. Enter the WAN IP address in the IP Address field.

Step 2. Enter the corresponding subnet mask for the WAN IP address in the Subnet Mask field.

Step 3. Enter the default gateway IP address in the Default Gateway field. The default gateway address is the IP address of a device which receives communication from other devices on the same network that are trying to communicate outside of their own local network.

Step 4. Click **Next** to continue the wizard.

PPPoE (Point-to-Point Protocol over Ethernet) for WAN1

Host and Domain ✔

WAN1

WAN2 / DMZ

Summary

Finish

PPPoE WAN1

Please enter default gateway IP address.

Username: username1

Password: ••••••••

⦿ **Connect on Demand : Max Idle Time** 30 **min**

○ **Keep Alive : Redial Period** 5 **sec**

Back   Next   Cancel

Step 1. Enter the username and password in the Username field and the Password field. These are usually given out by your ISP.

Step 2. Click the **Connect on Demand** radio button or the **Keep Alive** radio button to enter max idle time and redial period.

• Connect on Demand: Max Idle Time — Enter the time, in minutes, before the connection is disconnected due to inactivity in the Max Idle Time field. The default time provided is 30 minutes.

• Keep Alive: Redial Period — Enter the redial period in the Redial Period field. This time must be in seconds. The time period is the amount of time the device waits to reconnect if the connection was lost. The default time provided is 5 seconds.

Step 3. Click **Next** to continue the wizard.

Dual WAN

✔ Host and Domain

✔ WAN1

WAN2 / DMZ

Summary

Finish

Select WAN connection Type For WAN2

◉ **Obtain an IP automatically:**

If your ISP is running a DHCP server, select Obtain an IP automatically option. Your ISP will assign these values (includes DNS Server) automatically. Or users can check the box "Use the Following DNS Server Addresses", and enter the specific DNS Server IP. Multiple DNS IP Settings are common. In most cases, the first available DNS entry is used.**(default)**

○ **Static IP:**

If you have a specified WAN IP Address, Subnet Mask, Default Gateway Address and DNS Server, select Static IP. You can get this information from your ISP.

○ **PPPoE (Point-to-Point Protocol over Ethernet):**

[Back]   [Next]   [Cancel]

Step 1. Click the desired radio button to select a WAN connection type for WAN2 and click **Next** to continue the wizard. Based on which radio button was clicked a new page opens:

• Obtain an IP Automatically — Assigns IP address automatically. This is the default.

• Static IP — Allows you to assign a static IP address.

• PPPoE (Point-to-Point Protocol over Ethernet) — Network protocol that offers a more secure data transmission. It provides an password authentication method of assigning IP addresses to client systems by the ISP.

✔ Host and Domain

✔ WAN1

✔ WAN2 / DMZ

Summary

Finish

Summary

Please review the following settings and ensure the data is correct.

Host Name:	abc123
Domain Name:	abc123.example
WAN1:	Obtain an IP automatically
	Use DNS Server provided by ISP
WAN2 / DMZ:	Obtain an IP automatically
	Use DNS Server provided by ISP

Back   Submit   Cancel

The Summary page displays an overview of the settings you have just configured in order to review the settings before you submit them.

Step 2. Click **Submit** to finish configuring the router.

✓ Host and Domain

✓ WAN1

✓ WAN2 / DMZ

✓ Summary

Finish

Device Setup Complete

Basic Setup have been successfully configured.

Cancel   Finish

Step 3. Click **Finish** to finalize the wizard.

DMZ

✔ Host and Domain

✔ WAN1

WAN2 / DMZ

Summary

Finish

DMZ

Please enter the DMZ IP Address provided by ISP.

IP Address: 192.0.40

Please enter subnet mask. **(255.255.255.0 is default value.)**

Subnet Mask: 255.255.255.0

[Back]   [Next]   [Cancel]

In this case, the settings involve only DMZ as was determined in Step 3 of the Basic Setup Wizard.

Step 1. Enter the DMZ IP address to use in the IP address field.

Step 2. Enter the subnet mask associated with the DMZ IP address in the Subnet Mask field.

Step 3. Click **Next** to continue the wizard. The *Summary* page opens.

Summary

Please review the following settings and ensure the data is correct.

Host Name:	abc123
Domain Name:	abc123.example
WAN1:	Obtain an IP automatically
	Use DNS Server provided by ISP
WAN2 / DMZ:	DMZ IP
IP / Subnet Mask:	192.0.2.40 / 255.255.255.0

Back	Submit	Cancel

The Summary page displays an overview of the settings you have just configured to review before you submission.

Step 4. Click **Submit** to finish the configuration of the router.

Device Setup Complete

Basic Setup have been successfully configured.

Cancel	Finish

Step 5. Click **Finish** to finalize the wizard.