

DHCPv6 Configuration on RV180 and RV180W

Objectives

This document explains how to configure the IPv6 WAN(Internet) for use with Automatic Configuration (DHCP) on the RV Series Routers. DHCP (Dynamic Host Configuration Protocol) is used with internet service providers (ISP's) who assign the user an IP address.

This article explains how to configure IPv6 WAN for the device.

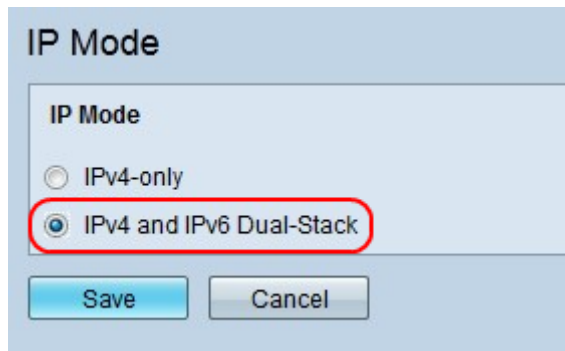
Applicable Devices

- RV180
- RV180W

Step-by-Step Procedure

DHCPv6 Configuration

Step 1. Using the Router Configuration Utility, choose **Networking > IPv6 > IP Mode**. The *IP Mode* page opens.



Step 2. Click **IPv4 and IPv6 Dual-Stack**. This enables the IPv6 characteristics on the router.

Step 3. Click **Save** to save the settings.

Step 4. Using the Router Configuration Utility, choose **Networking > WAN > IPv6 WAN (Internet)**. The *IPv6 WAN (internet)* page opens.

IPv6 WAN (Internet)

WAN (Internet) Address (IPv6)

WAN (Internet) Connection Type: DHCPv6
 Static IPv6

Static IP Address

IPv6 Address:

IPv6 Prefix Length: (Range: 0 - 128)

Default IPv6 Gateway:

Primary DNS Server:

Secondary DNS Server: (Optional)

DHCPv6

DHCPv6 Address Settings: Stateless Address Auto Configuration
 Stateful Address Auto Configuration

Step 5. Click **DHCPv6**. This enables the IPv6 characteristics on the router.

Step 6. Choose one of the auto configurations from the address settings of DHCPv6:

- Stateless — An ICMPv6 discover message will originate from the router and is used for auto-configuration, rather than the router contacting the DHCP server at the ISP to obtain a leased address.
- Stateful — Connects to the ISP's DHCPv6 for a leased address.

Step 7. Click **Save** to apply settings.