

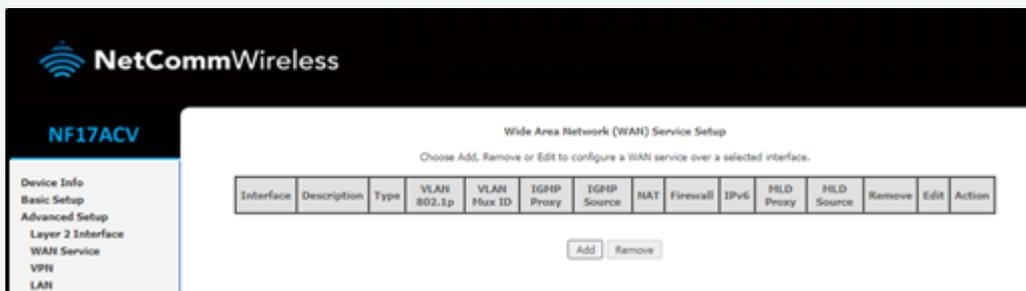
# NetComm NF17ACV



These instructions are to help you configure your router for IPv6. Please note that different firmware versions and models of routers may have slightly different configurations.

**Firmware Version Tested:** 0.11.0 2.0.0 v606c.0 Build 220805 Rel.82050n  
**Connection Type:** IPoE - Ethernet

1. Open a web browser, such as Google Chrome or Mozilla Firefox, type <http://router.asus.com> or <http://192.168.20.1> into the address bar, and press Enter.
2. Log in using the default username **admin** and password **admin**.
3. Once logged in, select **Advanced Setup** from the menu on the left, and then click **WAN Service**. If there are any entries in the table under the “Wide Area Network (WAN) Service Setup” heading, remove them.



4. Click **Add**, select **eth4/eth4** as the layer 2 interface for the service, and then select **Next**.

**WAN Service Interface Configuration**

Select a layer 2 interface for this service

Note: For ATM interface, the descriptor string is (portId\_vpi\_vci)  
 For PTM interface, the descriptor string is (portId\_high\_low)  
 Where portId=0 --> DSL Latency PATH0  
 portId=1 --> DSL Latency PATH1  
 portId=4 --> DSL Latency PATH0&1  
 low =0 --> Low PTM Priority not set  
 low =1 --> Low PTM Priority set  
 high =0 --> High PTM Priority not set  
 high =1 --> High PTM Priority set

eth4/eth4 ▼

5. Under the “WAN Service Configuration”, select the following options and then select **Next**.

- Select WAN service type: **IP over Ethernet**
- Enter Service Description: **ETH WAN**
- Enter 802.1P Priority [0-7]: **-1**
- Enter 802.1Q VLAN ID [0-4094]: **-1**
- Network Protocol Selection: **IPv4&IPv6(Dual Stack)**

**WAN Service Configuration**

Select WAN service type:

PPP over Ethernet (PPPoE)  
 IP over Ethernet  
 Bridging

Enter Service Description:

For tagged service, enter valid 802.1P Priority and 802.1Q VLAN ID.  
 For untagged service, set -1 to both 802.1P Priority and 802.1Q VLAN ID.

Enter 802.1P Priority [0-7]:

Enter 802.1Q VLAN ID [0-4094]:

Network Protocol Selection:

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6. Under the “WAN IP Settings” heading, select the following options and then select **Next**.

- Obtain an IP address automatically: **YES**
- Option 125: **Disable**
- Obtain an IPv6 address automatically: **YES**
- Dhcpv6 Address Assignment (IANA): **YES**
- Dhcpv6 Prefix Delegation (IAPD): **YES**

7. Under the “Network Address Translation Settings” heading, select the following options and then select **Next**.

- Enable NAT: **YES**
- Enable Fullcone NAT: **NO**
- Enable Firewall: **YES**
- Enable IGMP Multicast Proxy: **NO**
- Enable IGMP Multicast Source: **NO**
- Enable MLD Multicast Proxy: **NO**
- Enable MLD Multicast Source: **NO**

**WAN IP Settings**

Enter information provided to you by your ISP to configure the WAN IP settings.  
 Notice: If "Obtain an IP address automatically" is chosen, DHCP will be enabled for PVC in IPoE mode.  
 If "Use the following Static IPv4/IPv6 address" is chosen, enter the WAN IPv4/IPv6 address, subnet mask/prefix Length and interface gateway.

Obtain an IP address automatically

Option 55 Request List :  (e.g:1,3,6,12)

Option 58 Renewal Time:  (hour)

Option 59 Rebinding Time:  (hour)

Option 60 Vendor ID:  udhcp 0.9.9-pre

Option 61 IAID:  (8 hexadecimal digits)

Option 61 DUID:  (hexadecimal digit)

Option 77 User ID:

Option 125:  Disable  Enable

Use the following Static IP address

WAN IP Address:

WAN Subnet Mask:

WAN gateway IP Address:

Primary DNS server:

Secondary DNS server:

Enter information provided to you by your ISP to configure the WAN IPv6 settings.  
 Notice:  
 If "Obtain an IPv6 address automatically" is chosen, DHCPv6 Client will be enabled on this WAN interface.  
 If "Use the following Static IPv6 address" is chosen, enter the static WAN IPv6 address. If the address prefix length is not specified, it will be default to /64.

Obtain an IPv6 address automatically

Dhcpv6 Address Assignment (IANA)

Dhcpv6 Prefix Delegation (IAPD)

Use the following Static IPv6 address

WAN IPv6 Address/Prefix Length:

Prefix Delegation/Prefix Length:

Specify the Next-Hop IPv6 address for this WAN interface.  
 Notice: This address can be either a link local or a global unicast IPv6 address.

WAN Next-Hop IPv6 Address:

8. Under the “Router – Default Gateway” heading, ensure that **eth4.1** is under the “Selected Default Gateway Interfaces”. Change the “Selected WAN Interface” to **ipoe\_eth4/eth4.1**, and then click **Next**.

**Routing -- Default Gateway**

Default gateway interface list can have multiple WAN interfaces served as system default gateways but only one will be used according to the priority with the first being the highest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.

**Selected Default Gateway Interfaces**

eth4.1

**Available Routed WAN Interfaces**

IPv6: Select a preferred wan interface as the system default IPv6 gateway.

Selected WAN Interface:

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9. Under the “DNS Server Configuration” heading, move **eth4.1** to under the “Selected DNS Server Interfaces”. Then, select **Obtain IPv6 DNS info from a WAN interface**, and select **ipoe\_eth4/eth4.1** for the “WAN Interface selected” option.

**DNS Server Configuration**

Select DNS Server Interface from available WAN interfaces OR enter static DNS server IP addresses for the system. In ATM mode, if only a single PVC with IPoA or static IPoE protocol is configured, Static DNS server IP addresses must be entered.  
DNS Server Interfaces can have multiple WAN interfaces served as system dns servers but only one will be used according to the priority with the first being the highest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.

Select DNS Server Interface from available WAN interfaces:

Selected DNS Server Interfaces: **eth4.1**

Available WAN Interfaces:

Use the following Static DNS IP address:

Primary DNS server:

Secondary DNS server:

IPv6: Select the configured WAN interface for IPv6 DNS server information.  
Note that selecting a WAN interface for IPv6 DNS server will enable DHCPv6 Client on that interface.

Obtain IPv6 DNS info from a WAN interface:

WAN Interface selected: **ipoe\_eth4/eth4.1**

Use the following Static IPv6 DNS address:

Primary IPv6 DNS server:

Secondary IPv6 DNS server:

10. Under the “WAN Setup – Summary” heading, select **Apply/Save**.

**WAN Setup - Summary**

Make sure that the settings below match the settings provided by your ISP.

Connection Type:	IPoE
NAT:	Enabled
Full Cone NAT:	Disabled
Firewall:	Enabled
IGMP Multicast Proxy:	Disabled
IGMP Multicast Source Enabled:	Disabled
MLD Multicast Proxy:	Disabled
MLD Multicast Source Enabled:	Disabled
Quality Of Service:	Disabled

Click "Apply/Save" to have this interface to be effective. Click "Back" to make any modifications.

11. Restart the router.

Please note that this document is intended as a guide only and is not for a router that we currently sell. Our support team will not be able to advise of further steps, and recommend contacting the manufacturer if you need further assistance with the configuration of this device