

Configuring Default Gateway on AMG (510/570/560)

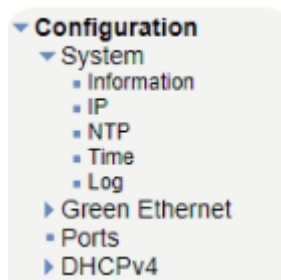
A default gateway is a node in the network that serves as the forwarding host to other networks when no other route specification matches the destination IP address of a packet.

Here is a guide on configuring AMG switches with default gateway based on their model:

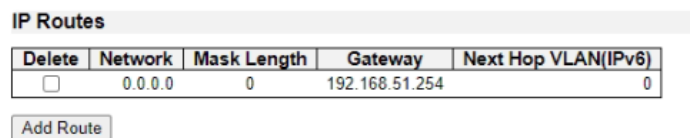
AMG510 / AMG570:

Web GUI:

Step 1: On the left-hand side of the Web GUI navigate to Configuration > System > IP



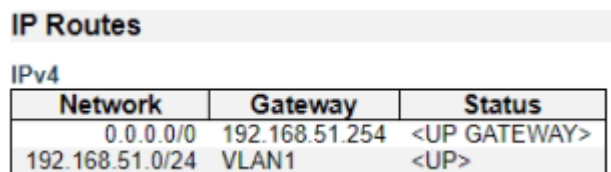
Step 2: Press “Add route” under “IP Routes” and, add a default gateway as shown in



the image below:

Step 3: Once you have entered a default gateway/route, press Save.

Step 4: To verify your configuration of the default gateway, on the left-hand side of the Web GUI navigate to Monitor > System > IP Status and look for your configured route under IP routes as shown in the image below and save the config as the start-up config:

A screenshot of the 'IP Routes' status page. It shows a table for IPv4 routes. The table has columns: Network, Gateway, and Status. The first row shows '0.0.0.0/0' for Network, '192.168.51.254' for Gateway, and '<UP GATEWAY>' for Status. The second row shows '192.168.51.0/24' for Network, 'VLAN1' for Gateway, and '<UP>' for Status.

IPv4		
Network	Gateway	Status
0.0.0.0/0	192.168.51.254	<UP GATEWAY>
192.168.51.0/24	VLAN1	<UP>

Command Line Interface (CLI):

Step 1: Log in to the switch via SSH or Console.

Step 2: Enter configuration mode by entering the command “**configure terminal**”.

Step 3: Once you have entered the configuration mode, Use the following command to change the IP: “**ip route [Network_Address] [Network_Mask] [Gateway_Address]**”, For example “**ip address 0.0.0.0 0.0.0.0 192.168.1.250**” where “**0.0.0.0**” is the **Network_Address** and **Network_Mask** and “**192.168.1.250**” is the **Gateway_Address**.

Step 4: Exit configuration mode by typing “**exit**”.

Step 5: To verify your configuration of the default gateway, type “**show ip route**”

Step 6: To save your configuration, enter “**copy running-config startup-config**”

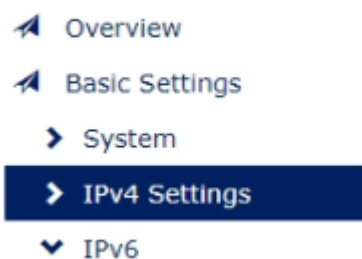
Here’s an example of IP configuration:

```
AMG-Lab-Switch01# configure terminal
AMG-Lab-Switch01(config)# ip route 0.0.0.0 0.0.0.0 192.168.1.250
AMG-Lab-Switch01(config)# exit
AMG-Lab-Switch01# show ip route
192.168.1.0/24 via VLAN1 <UP>
AMG-Lab-Switch01# copy running-config startup-config
Building configuration...
% Saving 2313 bytes to flash:startup-config
```

AMG560:

Web GUI:

Step 1: Navigate to Basic Settings > IPv4 Settings



Step 2: Change the default gateway to your desired gateway as shown in the image below:

IPv4 Settings

IPv4 Mode	<input checked="" type="radio"/> Static <input type="radio"/> DHCP Client
IP Address	<input type="text" value="192.168. 1.132"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
Default Gateway	<input type="text" value="192.168. 1.254"/>
DNS Server 1	<input type="text" value="8.8.8.8"/>
DNS Server 2	<input type="text"/>

Step 3: Once you have entered your desired gateway address, press Apply.

Step 4: To verify, navigate to overview, and check the gateway configured as shown in the image below and save the config as the start-up config:

📍 MAC/IP Address

IP Address	192.168. 1.132
Subnet Mask	255.255.255.0
Default Gateway	192.168. 1.254

Command Line Interface (CLI):

- **Step 1:** Log in to the switch via SSH or Console.
- **Step 2:** Type ***enable*** to enable Privileged commands.
- **Step 3:** Enter configuration mode by using the ***configure terminal*** command.
- **Step 4:** Once under configuration mode use the following command to change the IP: ***ip default-gateway [Gateway_Address]*** for example ***ip default-gateway 192.168.51.254*** where **192.168.51.254** is the **Gateway_Address**.
- **Step 5:** Exit configuration mode by typing ***exit***.
- **Step 6:** To verify the IP config type ***show ip default-gateway*** and save the config as start-up config.

Here's an example of IP configuration:

```
Switch> enable
Switch# configure terminal
Switch(config)# ip default-gateway 192.168.51.254
Gateway address: OK
Switch(config)# exit
Switch# show ip default-gateway
192.168.51.254
```