# *Configuring IP Address*

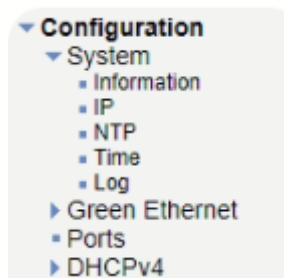## Configuring IP Addresses on AMG (510 / 570 / 560)

An IP address is a unique address that identifies a device on the internet or a local network. Each device must be configured with a unique IP Address since this allows to user to access the device via CLI or Web GUI.

Here is a guide on configuring AMG switches with IP Addresses based on their model:

**AMG510 / AMG570**

**Web GUI:**

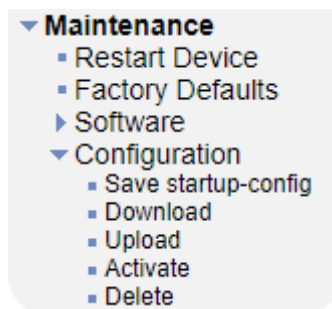**Step 1:** On the left-hand side of the web GUI, navigate to Configuration > System > IP



**Step 2:** Change the default IP (192.168.1.101) to your desired IP as shown in the image below:



**Step 3:** Once you have entered your desired IP address, press Save.

**Step 4:** To verify your configuration, re-login to the switch using the updated IP Address

**Step 5:** Save your configuration by navigating to the 'Maintenance' tab on the left hand side of the GUI and select Configuration > Save startup-config



**Command Line Interface (CLI):**

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

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

**Step 3:** Since by default the management is under VLAN 1, type the following command to configure VLAN 1 interface: **"Interface vlan 1"**

**Step 4:** Use the following command to change the IP: "**ip address DESIRED_IP DESIRED_SUBNET_MASK**" for example **"ip address 192.168.1.101 255.255.255.0"** where **192.168.1.101** is the **DESIRED_IP** and **255.255.255.0** is the **DESIRED_SUBNET_MASK**.

> **Note**: If you are using SSH, once the above command has been executed, you may have to re-login to the switch with the newly configured IP Address, if so, please skip to Step 6.

**Step 5:** Exit both the VLAN interface config and configuration mode by typing **"exit"** twice.

**Step 6:** To verify the IP configuration you have made, enter the command **"show interface vlan 1"**

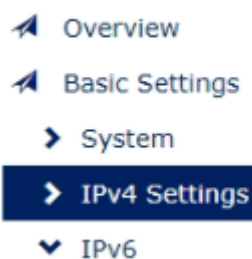**Step 7:** Save your configuration by entering the command "copy running-config startup-config".

Here's an example of a CLI IP address configuration:

```
AMG-Lab-Switch01# configure terminal
AMG-Lab-Switch01(config)# interface vlan 1
AMG-Lab-Switch01(config-if-vlan)# ip address 192.168.1.101 255.255.255.0
AMG-Lab-Switch01(config-if-vlan)# exit
AMG-Lab-Switch01(config)# exit
AMG-Lab-Switch01# show interface vlan 1
VLAN1
  LINK: 54-51-46-f1-6c-f9 Mtu:1500 <UP BROADCAST MULTICAST>
  IPv4: 192.168.1.101/24 192.168.1.255
  IPv6: fe80::5651:46ff:fef1:6cf9/64 <>
AMG-Lab-Switch01# copy running-config startup-config
Building configuration...
% Saving 2274 bytes to flash:startup-config
```

**AMG560**

**Web GUI:**

- **Step 1:** Navigate to Basic Settings > IPv4 Settings

  ◢ Overview
  ◢ Basic Settings
  › System
  › IPv4 Settings
  ⌄ IPv6

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- **Step 2:** Change the default IP (192.168.1.101) to your desired IP as shown in the image below:

**⚙ IPv4 Settings**

| | |
|---|---|
| IPv4 Mode | ⦿ Static ◯ DHCP Client |
| IP Address | 192.168. 1.132 |
| Subnet Mask | 255.255.255.0 |
| Default Gateway | 192.168.1.254 |
| DNS Server 1 | 8.8.8.8 |
| DNS Server 2 | |

Apply

- **Step 3:** Once you have entered your desired IP address, press Apply.
- **Step 4:** To verify, re-login to the switch using the updated IP Address and save the config as the start-up config.

## 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 address DESIRED_IP DESIRED_SUBNET_MASK"* for example *"ip address 192.168.1.101 255.255.255.0"* where **192.168.1.101** is the **DESIRED_IP** and **255.255.255.0** is the **DESIRED_SUBNET_MASK**.
  **Note**: If you are using SSH, once the above command has been executed you may have to re-login to the switch with the updated IP Address, if so, please repeat Step 2 and then skip to Step 6.
- **Step 5:** Exit configuration mode by typing *"exit"*.
- **Step 6:** To verify the IP config type *"show ip address"* and save the config as the start-up config.
  Here's an example of IP configuration:

## Configuring IP Address

```
Welcome to Switch.

Switch> enable

Switch# configure terminal

Switch(config)# ip address 192.168.51.132 255.255.255.0
Set IP address & mask: OK

Switch(config)# exit

Switch# show ip address
192.168.51.132 255.255.255.0
```