NETGEAR AVLINE
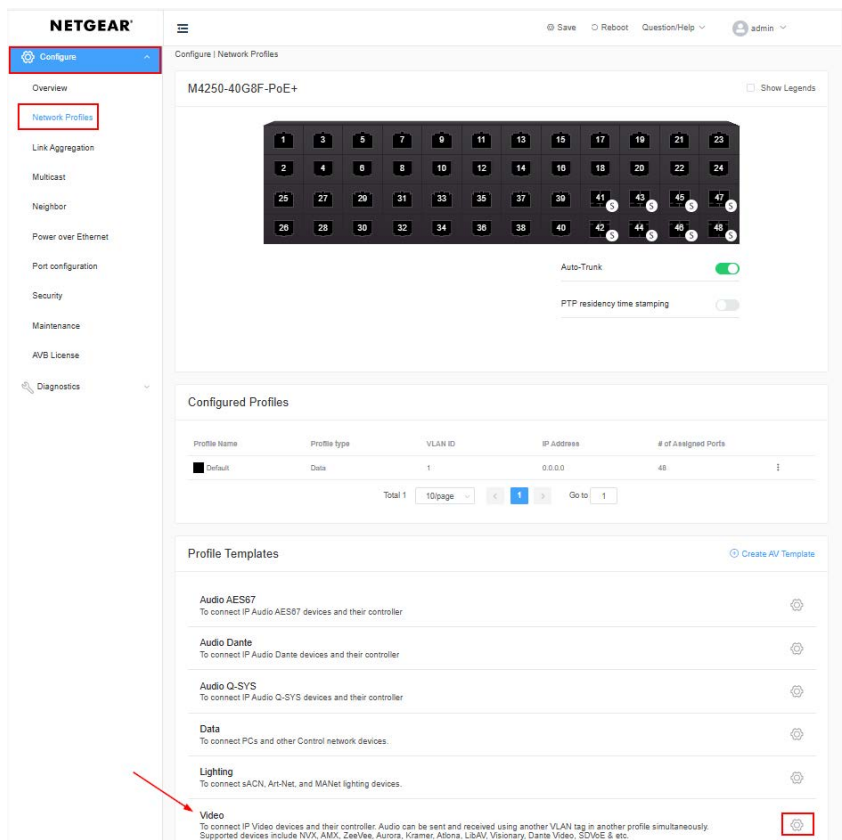
Switch Engineered for AV over IP

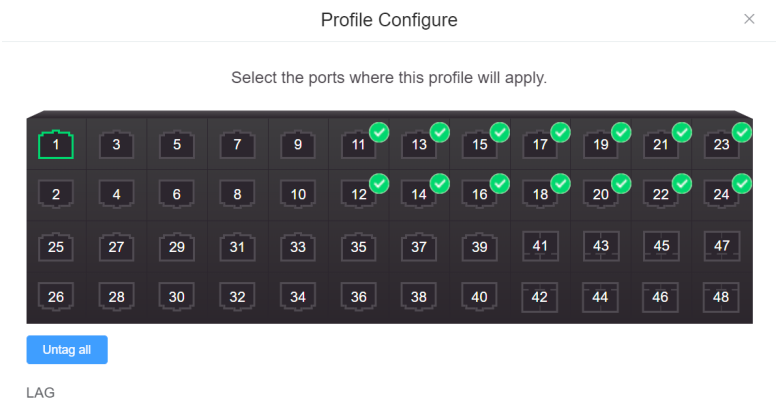# Switch Configuration for IPGEAR-4K

NETGEAR AVLINE switches have been tested and confirmed to work with the IPGEAR-4K system. Please follow the steps in this guide to ensure proper system operation.

NOTE: The NETGEAR AVLINE series of switches are designed with AVoIP in mind and therefore have IGMP Snooping and Multicasting enabled by default. As the IPGEAR-4K system utilizes a control box (BG-VOP-CB) that dynamically assigns IP addresses to the Transceivers (BG-VOP-MT) so **no setup of the switch is actually required in a stand alone situation**. However, a standard configuration is shown below if greater control is desired.

1. Navigate to Configure > Network Profiles
2. Under the "Profile Templates" section click the gear in the "Video" row.

3. In the "Profile Configure" pop up window click the ports you wish to configure for AVoIP.

4. Type in a "Profile Name."
5. Enter a VLAN ID.
6. Select a Color to easily identify the ports if desired.

Profile Settings

Configure your profile settings and preferences.

Profile Name	Profile Template
IPGEAR-4K	Video

VLAN ID	Color
90	#F48D11

(Use the figure below for steps 7-11)

7. Click the toggle switch to enable the "Edit VLAN Routing / DHCP Server."
    a. This will enable Layer 3 and routable VLANS on the switch for unicast inter-VLAN communication
8. Enter the IP Address for the newly chosen VLAN in step 5.
9. Enter the appropriate Subnet Mask for the selected IP Address if it does not auto-populate.
10. In the "DHCP Server" dropdown select "DHCP Server."
    a. The Default Router, DHCP Server Pool Start, and DHCP Server Pool End should auto-populate.
11. Enter a DNS Server Address for at least DNS Server 1 then click "Apply"

Edit VLAN Routing / DHCP Server

VLAN IP Settings	VLAN IP Address
Static	192.168.90.1

Subnet Mask	
255.255.255.0	

DHCP Server	Default Router
DHCP Server	192.168.90.1

DHCP Server Pool Start	DHCP Server Pool End
192.168.90.1	192.168.90.254

DNS Server 1	DNS Server 2
192.168.90.1	

Search Domain	Lease Time(minute)
	240

Cancel   Apply

12. IGMP, Multicasting, and PtP are all configured automatically.
13. Verify that your selected ports have been configured and the profile has been added.

14. Click "Save" at the top of the window.