



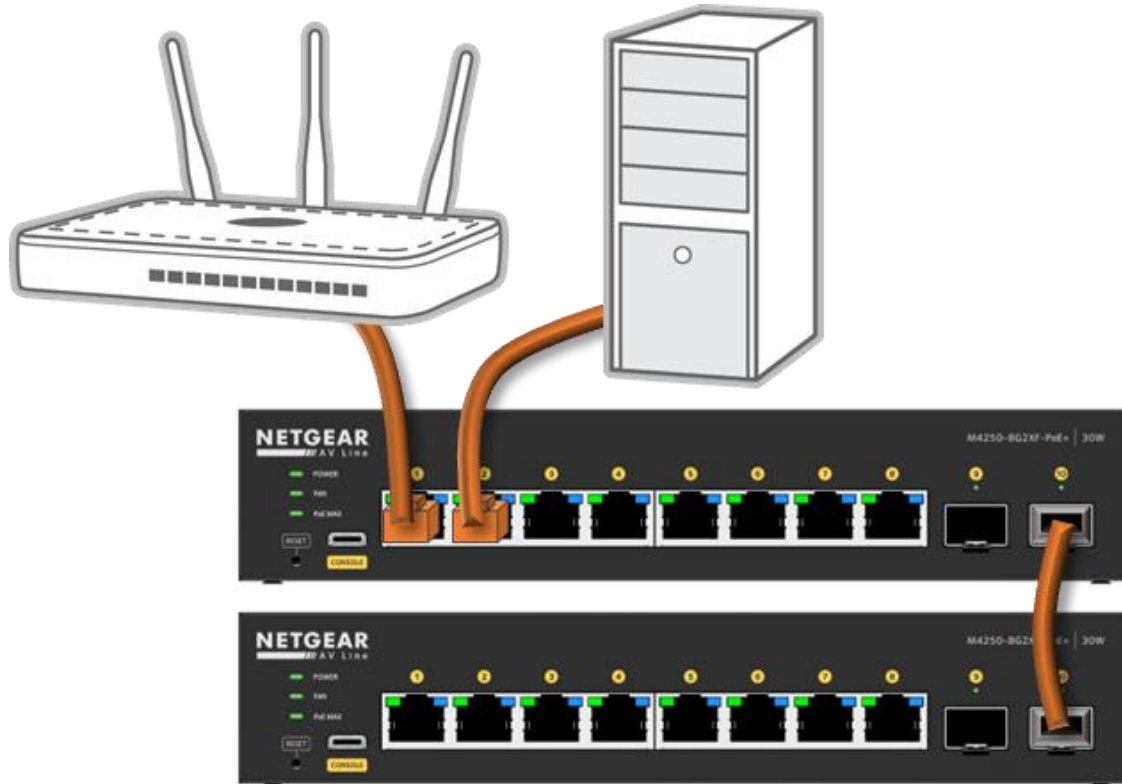
# Configuring Audio over IP and Lighting

How to configure audio over IP and lighting on separate VLANs.

# Audio Over IP and Lighting Configuration

In this guide we will be going through how to configure audio over IP and lighting on separate VLANs.

We will be creating a VLAN for audio over IP and then creating a second VLAN for lighting.



Open the Engage controller and go to "Site Settings."

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Profile Name

Profile Template

VLAN ID

Default

Data

1

⋮

Total 1

10/page ▾

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&gt;

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Global Settings

These setting will be applied to all switches on this site.

Auto-Trunk



Auto-LAG



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## Profile Template

Select the profile overview template to provide your AV profile template options

Profile Template

Select

Hybrid

Audio AES67

Audio Dante

Audio Q-SYS

Audio Video AVB

Data

Lighting

Click on the drop-down for "**Profile Template**" and select "**Audio Q-SYS.**"

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Profile Template

Select the profile overview template to provide your AV profile template options

Profile Template  
Audio Q-SYS

Profile Description

To connect IP Audio Q-SYS devices and their controller

Use As Default VLAN Profile

Next

Click on "Next."

## Create New Profile

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## Profile Settings

Configure your profile settings and preferences

Profile Name

Audio

Profile Template

Audio Q-SYS ▾

VLAN ID

10

Color

 #0EB9ED

We are going to name this VLAN **“Audio”** and give it an ID of **“10,”** then select the color for the profile.

Previous

Cancel

Next

Click on **“Next.”**

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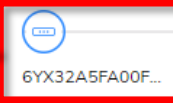
1 Profile Template

2 Profile Settings

3 Port Assignment

Profile Name: **Audio** | VLAN ID: **10** | Profile Template: **Audio Q-SYS**[Show Legends](#) [Refresh](#)

Click on the first switch to select the ports.



Total Number of Configured Switches: 0

Switch Name ▾

Model ▾

Configured Number of Ports ▾

Configured Ports



You have no configured switches for this network profile.

Please assign ports for this network profile by clicking on the Switch from the above section.

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Apply

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Profile Name: **Audio** | VLAN ID: **10** | Profile Template: **Audio Q-SYS**

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We are going to select ports 4 and 5.

6YX32A5FA00F7

Untag all

After selecting the ports click on the next switch.

Total Number of Configured Switches: 1

Switch Name ↓	Model ↓	Configured Ports
6YX32A5FA00F7	M4250-8G2XF-PoE+	2 M4250-8G2XF-PoE+ 4 5

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Cancel Apply



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Profile Name: **Audio** | VLAN ID: **10** | Profile Template: **Audio Q-SYS**

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6YX32A5NA0109



**Untag all**

Total Number of Configured Switches: **2**

Search for Switch

Switch Name ↓	Model ↓	Configured Number of Ports ↓	Configured Ports	
6YX32A5NA0109	M4250-8G2XF-PoE+	2	M4250-8G2XF-PoE+ 3 4	
6YX32A5FA00F7	M4250-8G2XF-PoE+	2	M4250-8G2XF-PoE+ 4 5	

Previous

Cancel

**Apply**

Click on "Apply."

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- 1 Profile Template
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Profile Name: Audio | VLAN ID: 10 | Profile Template: Audio Q-SYS

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6YX32A5NA0109

Create New Profile

Are you sure you want to apply network port assignments to all the switches on the site?

Cancel Confirm

Total Number of Configured Switches: 2

Switch Name ↓ Model ↓

6YX32A5NA0109 M4250-8G2XF-PoE+ 2

6YX32A5FA00F7 M4250-8G2XF-PoE+ 2

Click on "Confirm."

Previous

Cancel Apply

We now have our audio VLAN configured.  
Next, we are going to configure the VLAN for lighting.

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## Network Profiles

Export Worksheet

Create New Profile

Profile Name	Profile Template	VLAN ID	
Default	Data	1	⋮
Audio	Audio Q-SYS	10	⋮

Total 2  < 1 > Go to

Click on "Create New Profile."

## Global Settings

These setting will be applied to all switches on this site.

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Auto-LAG



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1 Profile Template

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## Profile Template

Select the profile overview template to provide your AV profile template options

Profile Template

Select

Audio Q-SYS  
Audio Video AVB

Data

Lighting

Shure Converged Audio and Control Network

Shure Split Audio and Control Network

Sonos

Click on the drop-down for "**Profile Template**" and select "**Lighting.**"

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Profile Template

Select the profile overview template to provide your AV profile template options

Profile Template  
Lighting

Profile Description

To connect sACN, Art-Net, and MANet lighting devices.

Use As Default VLAN Profile

Click on "Next."

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## Profile Settings

Configure your profile settings and preferences

Profile Name Lights	Profile Template Lighting ▾
VLAN ID 20	Color #9C0EEE

We are going to name this VLAN "**Lights**" and give it an ID of "**20**," then select the color for the profile.

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Cancel

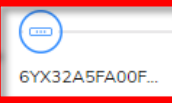
Next

Click on "**Next.**"

Create New Profile

[Back to Network Profiles](#)**1** Profile Template**2** Profile Settings**3** Port AssignmentProfile Name: **Lights** | VLAN ID: **20** | Profile Template: **Lighting**[Show Legends](#) [Refresh](#)

Click on the first switch to select the ports.

Total Number of Configured Switches: **0**

Switch Name ▾

Model ▾

Configured Number of Ports ▾

Configured Ports



You have no configured switches for this network profile.

Please assign ports for this network profile by clicking on the Switch from the above section.

Previous

Cancel

Apply

Create New Profile

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- 1 Profile Template
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Profile Name: **Lights** | VLAN ID: **20** | Profile Template: **Lighting**

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We are going to select ports 6 and 7.

6YX32A5FA00F7

[Untag all](#)

After selecting the ports click on the next switch.

Total Number of Configured Switches: **1**

Switch Name	Model		Configured Ports	
6YX32A5FA00F7	M4250-8G2XF-PoE+	2	M4250-8G2XF-PoE+ 6 7	

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[Cancel](#) [Apply](#)



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Profile Name: **Lights** | VLAN ID: **20** | Profile Template: **Lighting**

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6YX32A5NA0109



**Untag all**

Total Number of Configured Switches: **2**

Search for Switch

Switch Name ↓	Model ↓	Configured Number of Ports ↓	Configured Ports	
6YX32A5NA0109	M4250-8G2XF-PoE+	2	M4250-8G2XF-PoE+ <input type="checkbox"/> 5 <input type="checkbox"/> 6	
6YX32A5FA00F7	M4250-8G2XF-PoE+	2	M4250-8G2XF-PoE+ <input type="checkbox"/> 6 <input type="checkbox"/> 7	

Previous

Cancel

**Apply**

Click on "Apply."

Create New Profile

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Profile Name: Lights | VLAN ID: 20 | Profile Template: Lighting

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6YX32A5NA0109

Create New Profile

Are you sure you want to apply network port assignments to all the switches on the site?

Cancel Confirm

Total Number of Configured Switches: 2

Switch Name ↓ Model ↓

6YX32A5NA0109 M4250-8G2XF-PoE+ 2

6YX32A5FA00F7 M4250-8G2XF-PoE+ 2

Click on "Confirm."

Previous

Cancel Apply

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


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**Save**

## Network Profiles

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Profile Name	Profile Template	VLAN ID	
 Default	Data	1	⋮
 Audio	Audio Q-SYS	10	⋮
 Lights	Lighting	20	⋮

Total 3  [<](#) [1](#) [>](#) Go to

## Global Settings

These setting will be applied to all switches on this site.

Auto-Trunk



Auto-LAG



We now have a VLAN configured for the audio over IP and a separate VLAN for the lighting.

End

