

Configuring Audio over IP and Lighting

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

NETGEAR[®] AV

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 o	ontroller and go to "Site Settings	<i>"</i>		Question/Help \vee (2) admin \vee
Devices Topology Si	te Settings Support	Controller Management		Site	Save
Network Profiles				∓ Export Wo	orksheet ① Create New Profile
Profile Name		Profile Template		VLAN ID	Click on "Create New Pr
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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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Devices Topology Site Settings Support Controller Management	HQ V Save
Create New Profile	Back to Network Profiles
1 Profile Template 2 Profile Settings 3 Port Assignment	
Profile Template Select the profile overview template to provide your AV profile template options	
Profile Template	^
Hybrid U: Audio AES67	
Audio Dante Audio Q-SYS	Click on the drop-down for "Profile Template" and select "Audio Q-SYS."
Audio Video AVB	
Data Lighting	
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Devices Topology Site Settings Support Controller Management	Site HQ ∨ Save
Create New Profile	Back to Network Profiles
1 Profile Template 2 Profile Settings 3 Port Assignment	
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 ."
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	Question/Help \vee (2) admin \vee
Devices Topology Site Settings Support Controller Management	Site HQ V Save
Create New Profile	Back to Network Profiles
1 Profile Template 2 Profile Settings 3 Port Assignment	
Profile Settings	
Configure you profile settings and and preferences Profile Name Profile Template	
Audio Q-SYS V We are going to name	this VLAN " Audio " and give it
VLAN ID 10 Color #0EB9ED	ect the color for the profile.
Previous	Cancel
	Click on " Next ."

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Devices Topology Site Settings Support Controller Management	Site HQ V Save
Create New Profile	Back to Network Profiles
1 Profile Template 2 Profile Settings 3 Port Assignment	
Profile Name: Audio VLAN ID: 10 Profile Template: Audio Q-SYS	Show Legends 〇 Refresh
GYX32A5FA00F GYX32A5FA00F Total Number of Configured Switches: 0	Q Search for Switch
Switch Name \downarrow Model \downarrow Configured Number of Ports \downarrow Configured Ports	
Tou 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
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Devices Topology Site Settings Support Controller Management	Site HQ V Save
Create New Profile	Back to Network Profiles
1 Profile Template 2 Profile Settings 3 Port Assignment We are going to select ports 4 and 5. Profile Name: Audio VLAN ID: 10 Profile Template: Audio Q-SYS We are going to select ports 4 and 5.	Show Legends O Refresh
6YX32A5FA00F7	×
6YX32A5FA00F 6YX32A5NA010 Untag all	7 8 9 10
Total Number of Configured Switches: 1 After selecting the ports	Q Search for Switch
Switch Name ↓ Model ↓ Click on the next switch. Configured Ports	
6YX32A5FA00F7 M4250-8G2XF-PoE+ 2 M4250-8G2XF-PoE+ 4 5	□ 前
Previous	Cancel
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	Create New Profile					Back to Network Profiles
	1 Profile Templ Profile Name: Audio	ate 2 F	Profile Settings 3 ofile Template: Audio Q-SYS	Port Assignment	We are going to select ports 3 and 4.	Show Legends O Refresh
				6YX32A5NA010	9	×
			GYX32A5FA00F GYX32A5NA010	Untag all	3 4 9 5 6	7 8 9 10
	Total Number of Co	nfigured Switches: 2				Q Search for Switch
	Switch Name \downarrow	Model \downarrow	Configured Number of Ports	\downarrow Configured Ports		
	6YX32A5NA0109	M4250-8G2XF-PoE+	2	M4250-8G2XF-PoE+		0 前
	6YX32A5FA00F7	M4250-8G2XF-PoE+	2	M4250-8G2XF-PoE+		□ 🗇
	Previous					Cancel
						Click on "Apply."
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	We now have our audio VLAN configured. Next, we are going to configure the VLAN for lighting.	Que	− □ × estion/Help ∨ (2) admin ∨
Devices Topology Site Settings	Support Controller Management	Site — HQ	 ✓ Save
Network Profiles		T Export Works	heet 🕒 Create New Profile
Profile Name	Profile Template	VLAN ID	Click on "Create New Profile
Default	Data	1	:
Audio	Audio Q-SYS	10	:
	Total 2 10/page \checkmark < 1 > Go to 1		
Global Settings			
These setting will be applied to all switches on this s	site.		
Auto-Trunk			
Auto-LAG			
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Devices Topology Site Settings Support Controller Management	re
Create New Profile Back to Network Pr	ofiles
1 Profile Template 2 Profile Settings 3 Port Assignment	
Profile Template Select the profile overview template to provide your AV profile template options Profile Template Select Audio Q-SYS Audio Q-SYS Audio Video AVB Data Lighting Click on the drop-down for "Profile Template" and select "Lightin Shure Converged Audio and Control Network Shure Split Audio and Control Network Sonos	g."
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Devices Topology Site Settings Support Controller Management	Site HQ ∨ Save
Create New Profile	Back to Network Profiles
1 Profile Template 2 Profile Settings 3 Port Assignment	
Profile Template Select the profile overview template to provide your AV profile template options Profile Template Lighting	
Profile Description	
Use As Default VLAN Profile	
	Click on "Next."
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Devices Topology Site Settings Support	Controller Management	HQ V	Save
Create New Profile		Back to Network	Profiles
1 Profile Template 2 Profile Settings	3 Port Assignment		
Profile Settings			
Configure you profile settings and and preferences	Profile Template		_
VLAN ID 20	Color#9C0EEE	We are going to name this VLAN " Lights " and given an ID of " 20 ," then select the color for the profile	ive it le.
Previous		Cancel	Next
		Click on "N	Next."
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Devices Topology Site Settings Support Controller Management	Site HQ V Save
Create New Profile	Back to Network Profiles
1 Profile Template 2 Profile Settings 3 Port Assignment	
Profile Name: Lights VLAN ID: 20 Profile Template: Lighting	Show Legends ී Refresh
Click on the first switch to select the ports. 6YX32A5FA00F 6YX32A5FA00F Total Number of Configured Switches: 0	Q Search for Switch
Switch Name \downarrow Model \downarrow Configured Number of Ports \downarrow 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
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Devices Topology Site Settings Support Controller Management	Site HQ V Save
Create New Profile	Back to Network Profiles
Profile Template 2 Profile Settings 3 Port Assignment We are going to select ports 6 and 7. Profile Name: Lights VLAN ID: 20 Profile Template: Lighting Vertice Content of the conten	Show Legends ට Refresh
6YX32A5FA00F7	×
GYX32A5FA00F GYX32A5NA010 Untag all	7 8 9 10 A
Total Number of Configured Switches: 1 After selecting the ports	Q Search for Switch
Switch Name ↓ Model ↓ Click on the next switch. Configured Ports	
6YX32A5FA00F7 M4250-8G2XF-PoE+ 2 M4250-8G2XF-PoE+ 6 7	□ Ū
Previous	Cancel
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Devices Topology Site Settings Support Controller Management	Site HQ V Save
Create New Profile	Back to Network Profiles
1 Profile Template 2 Profile Settings 3 Port Assignment Profile Name: Lights VLAN ID: 20 Profile Template: Lighting	Show Legends 〇 Refresh
6YX32A5NA0109	×
6YX32A5FA00F 6YX32A5NA010 Untag all	7 8 9 10
Total Number of Configured Switches: 2	Q Search for Switch
Switch Name \downarrow Model \downarrow Configured Number of Ports \downarrow Configured Ports	
6YX32A5NA0109 M4250-8G2XF-PoE+ 2 M4250-8G2XF-PoE+ 5 6	□ 匝
6YX32A5FA00F7 M4250-8G2XF-PoE+ 2 M4250-8G2XF-PoE+ 6 7	□ ⑪
Previous	Cancel
	Click on "Apply."



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			Q	uestion/Help \vee 🛛 admin \vee	
Devices Topology Site Settin	ngs Support Controller Management		Site HQ	 ✓ Save 	
Network Profiles			∓ Export Work	sheet 🕑 Create New Profile	
Profile Name	Profile Template		VLAN ID		
Default	Data		1	÷	
Audio	Audio Q-SYS		10	:	
Lights	Lighting		20	÷	
	Total 3 10/page v	< 1 > Go to 1			
Global Settings					
These setting will be applied to all switches	on this site.				
Auto-Trunk		We now hav over IP and	We now have a VLAN configured for the audio over IP and a separate VLAN for the lighting.		
Auto-LAG					
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Provide as the OF 1055 DAY 200 of \$10000 Exercise developed and

present on Ritger or Octorian

Engineered for AV over IP

Gittland AVYAZ and Anna A