

Configuring Audio and Video Over IP

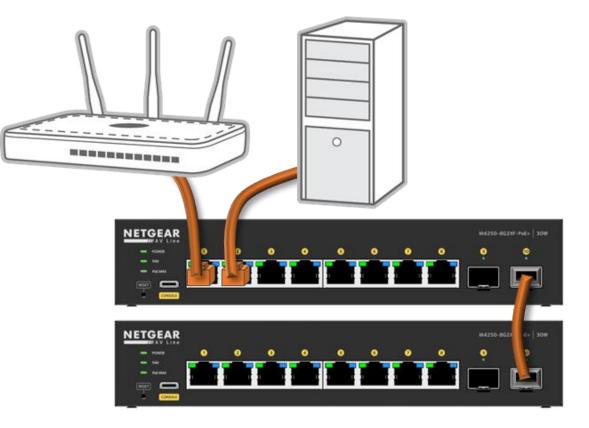
How to configure audio and video on separate VLANs.

NETGEAR[®] AV

Audio and Video Over IP Configuration

In this guide we will be going over how to configure a switch with audio and video on separate VLANs using Engage.

We will create two VLANs, one with a profile for video and another one with a profile for audio.



Devices Topology	Open the Engage of Support	ontroller and go to "Site Settings."		_ Site	Question/Help × admin ×
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These setting will be applied to a	l switches on this site.				
Auto-Trunk					
Auto-LAG					

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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 Template Select the profile overview template to provide your AV profile template options	
Profile Template Select Click on the drop-dow to select the profile.	'n
Use As Default VLAN Profile	
	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 Template Select the profile overview template to provide your AV profile template options Profile Template Select the "Video" Video Vid	rofile.
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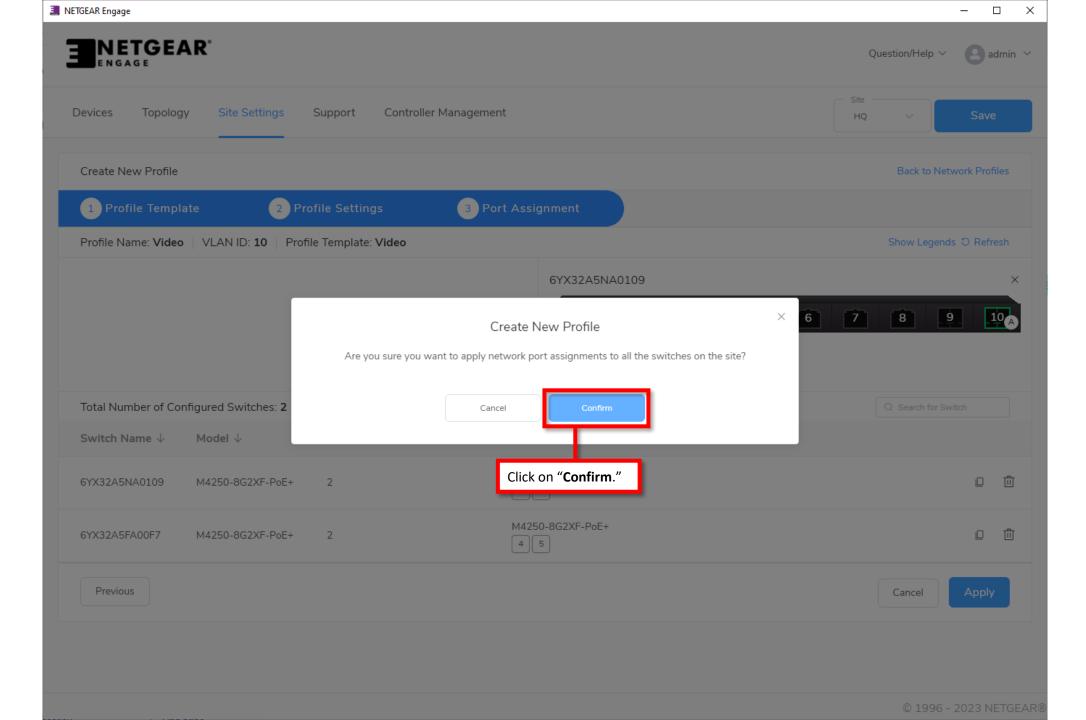
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Devices Topology Site Settings Support Controller Management	Site HQ V Save
Create New Profile	Back to Network Profiles
1 Profile Template 2 Profile Settings 3 Port Assignment	
Profile Template Select the profile overview template to provide your AV profile template options Profile Template Video Vrofile Description	
o connect IP Video devices and their controller. Audio can be sent and received using another VLAN tag in nother profile simultaneously. Supported devices include NVX, AMX, ZeeVee, Aurora, Kramer, Atlona, TEN, LibAV, Visionary, Wyrestorm, Extron NAV, Dante AV, SDVoE & etc.	
se As Default VLAN Profile	
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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 Settings	
Configure you profile settings and and preferences Profile Name Profile Template Video Video	
VLAN ID 10 Color #269CE6	We are going to name this VLAN " Video " and give it an ID of " 10 ," then select the color for the profile.
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: Video VLAN ID: 10 Profile Template: Video	Show Legends ී Refresh
Click on the first switch to select the ports.	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: Video VLAN ID: 10 Profile Template: Video Vertice Vertice	Show Legends O Refresh
6YX32A5FA00F7	×
6YX32A5FA00F 6YX32A5NA010 Untag all	7 8 9 10 _A
Total Number of Configured Switches: 1 After selecting the ports on the first	Q Search for Switch
Switch Name \downarrow Model \downarrow Switch click on the next switch.	
6YX32A5FA00F7 M4250-8G2XF-PoE+ 2 M4250-8G2XF-PoE+ 4 5	L 11
Previous	Cancel
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	6YX32A5NA01	09	×
6YX32A5FA00F 6YX3	2A5NA010 Untag all	3 4 5 6	7 8 9 10 _A
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6YX32A5NA0109 M4250-8G2XF-PoE+ 2	M4250-8G2XF-PoE+		
6YX32A5FA00F7 M4250-8G2XF-PoE+ 2	M4250-8G2XF-PoE+		
Previous			Cancel
If you have any more switches, you ca the ports you want by following these			Click on " Apply ." © 1996 - 2023 NETGEAR®
			0 1000 2020 HETOLAND



ETGEAR Engage	We can now see that the "Video" VLAN has been created. Next, we are going to create a VLAN for audio.	Ques	− □ × tion/Help ∨ ladmin ∨
Devices Topology Site S	Settings Support Controller Management	- Site HQ	✓ Save
Network Profiles		↑ Export Workshe	et 🕘 Create New Profile
Profile Name	Profile Template	VLAN ID	Click on "Create New Pro
Default	Data	1	:
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Global Settings			
These setting will be applied to all swit	tches on this site.		
Auto-Trunk			
Auto-LAG			
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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 Template Select the profile overview template to provide your AV profile template options	
Profile Template Select Click on the drop- to select the profile	down le.
Use As Default VLAN Profile	
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1 Profile Template 2 Profile Settings Profile Template Select the profile overview template to provide your AV profile template options Profile Template Select Hybrid Audio AES67 Audio Dante Select the "Audio Dante" profile. Next Audio Video AVB Data	rices Topology Site Settings Support Controller Manage	ement				 ✓ Save
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elect the profile overview template to provide your AV profile template options Profile Template Select Hybrid Audio Dante Audio Q-SYS Audio Video AVB Data	Profile Template 2 Profile Settings 3	Port Assignment				
Profile Template Setect ^ Hybrid Audio AES67 Audio Dante Audio Q-SYS Audio Video AVB Data	file Template					
Select the "Audio Dante" profile. Audio Action Canton Audio Q-SYS Audio Video AVB Data	ect the profile overview template to provide your AV profile template option	IS				
Audio AES67 Audio Dante Audio Q-SYS Audio Video AVB Data		~				
Audio AES67 Audio Dante Audio Q-SYS Audio Video AVB Data	Hvbrid					
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Audio Video AVB Data	Audio Dante		-	Select the "Audio D	ante" profile.	
Data	Audio Q-SYS					Next
	Lighting					

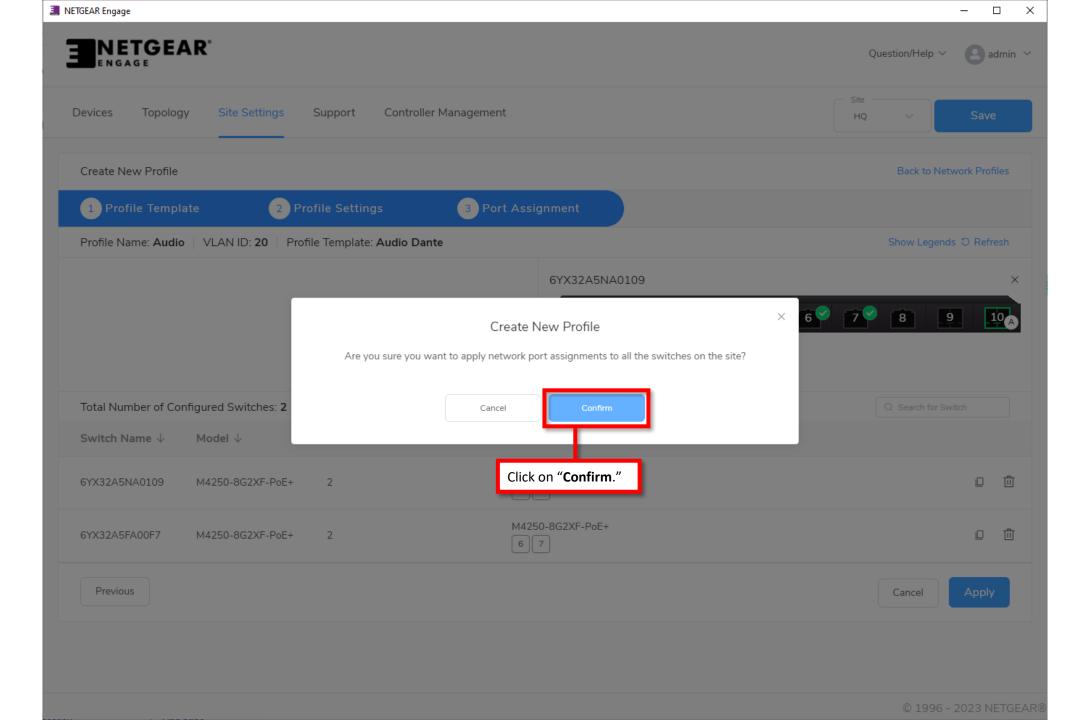
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Devices Topology Site Settings Support Controller Management	Site HQ ∨ Save
Create New Profile	Back to Network Profiles
1 Profile Template 2 Profile Settings 3 Port Assignment	
rofile Template elect the profile overview template to provide your AV profile template options	
Profile Template Audio Dante	
rofile Description o connect IP Audio Dante devices and their controller	
se As Default VLAN Profile	
	Next
	Click on " Ne x
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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 Settings		
	Profile Template Audio Dante ~	
	Color #1DDE5B	We are going to name this VLAN " Audio " and give it an ID of " 20 ," then select 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: 20 Profile Template: Audio Dante	Show Legends 〇 Refresh
Click on the first switch to select the ports.	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
Profile Template 2 Profile Settings 3 Port Assignment Profile Name: Audio VLAN ID: 20 Profile Template: Audio Dante	We are going to select ports 6 and 7.
6YX32A5FA00F7	×
GYX32A5FA00F GYX32A5NA010 Untag all	4 5 6 7 8 9 10
Total Number of Configured Switches: 1 After selecting the ports on the first	Q Search for Switch
Switch Name \downarrow Model \downarrow switch click on the next switch.	
6YX32A5FA00F7 M4250-8G2XF-PoE+ 2 M4250-8G2XF-PoE+ 6 7	□ ⑪
Previous	Cancel
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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 Profile Name: Audio VLAN ID: 20 Profile Template: Audio Dante	We are going to select ports 6 and 7.
6YX32A5NA0109	×
GYX32A5FA00F GYX32A5NA010 Untag all	5 6° 7° 8 9 10 _A
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+ 6 7	
6YX32A5FA00F7 M4250-8G2XF-PoE+ 2 M4250-8G2XF-PoE+ 6 7	D
Previous	Cancel
If you have any more switches, you can add the ports you want by following these steps.	Click on "Apply."
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			Question/Help \vee 2 admin
Devices Topology Site Settings Support	Controller Management		Site HQ V Save
Network Profiles		₹Ð	xport Worksheet 🗇 Create New Profile
rofile Name	Profile Template	VLAN ID	
Default	Data	1	I
Video	Video	10	I
Audio	Audio Dante	20	:
	Total 3 10/page \checkmark 1 $>$	Go to 1	
Global Settings			
These setting will be applied to all switches on this site.			
Auto-Trunk		We now have the video configure	ed for VLAN 10 and audio on VLA
Auto-LAG		You can edit each profile to chan	ge any of the port configuration.
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present on Kilps or OCkyran

Engineered for AV over IP

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