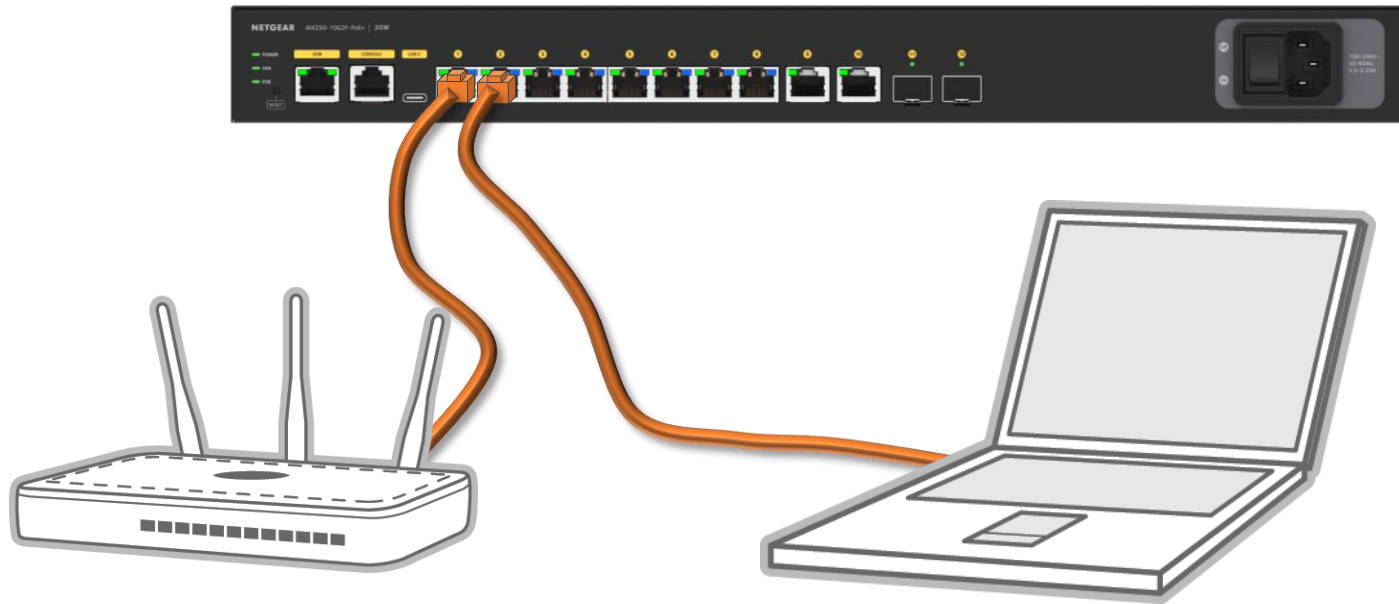# Engage Controller

How to install the Engage controller and onboarding devices.

NETGEAR® AV

ENGAGE CONTROLLER INSTALLATION AND SETUP

This guide will go over how to Install, configure the Engage controller, and discovering your switch.

For this setup we will have the switch connected to a router that will be our DHCP server and a computer that we will install the Engage controller on.

netgear.com/support/

NETGEAR   SUPPORT | COMMUNITY | CONTACT US | DOWNLOADS

Search

Sign In

United States (English)

Open a browser and go to "**netgear.com/support/**" or "**support.netgear.com**."

We [...]ve resulted in an interruption of Internet service. For instructions to restore Internet connectivity. Click here

Welcome to NETGEAR Support

Let's get started.

Selecting your model allows us to tailor our support site for you.

M4250

M4250 — AV Line Managed Switches / M4250

M4250-10G2F-PoE+ (GSM4212P) — AV Line 8x1G PoE+ 125W 2x1G and 2xSFP Managed Switch / M4250-10G2F-PoE+ (GSM4212P)

M4250-10G2XF-PoE+ (GSM4212PX) — AV Line 8x1G PoE+ 240W 2x1G and 2xSFP+ Managed Switch / M4250-10G2XF-PoE+ (GSM4212PX)

M4250-10G2XF-PoE++ (GSM4212UX) — AV Line 8x1G Utra90 PoE++ 802.3bt 720W 2x1G and 2xSFP+ Managed Switch / M4250-10G2XF-PoE++ (GSM4212UX)

M4250-12M2XF (MSM4214X) — AV Line 12x2.5G and 2xSFP+ Managed Switch / M4250-12M2XF (MSM4214X)

M4250-16XF (XSM4216F) — AV Line 16x1G/10G Fiber SFP+ Managed Switch / M4250-16XF (XSM4216F)

M4250-26G4F-PoE+ (GSM4230P) — AV Line 24x1G PoE+ 300W 2x1G and 4xSFP Managed Switch / M4250-26G4F-PoE+ (GSM4230P)

M4250-26G4F-PoE++ (GSM4230UP) — AV Line 24x1G Ultra90 PoE++ 802.3bt 1,440W 2x1G and 4xSFP Managed Switch / M4250-26G4F-PoE++ (GSM4230UP)

Select

How to Find Your Model Number?

To find the model/version number of a device, check the bottom or back panel. **Example:**

Find Your Model Number >

Type in "**M4250**" and go to the "**M4250 – AV Line Managed Switches /M4250**"

netgear.com/support/product/m4250.aspx

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Sign In

United States (English)

Support / M4250

M4250 — AV Line Managed Switches

Model / Version: M4250

| Downloads | Documentation |

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New Product Search >

Click on "**Downloads**."

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Current Versions

Firmware Version 13.0.4.14 for M4250 switches with 16-or-less ports ⌄

MIB Version 13.0.4.14 for M4250 switches with 16-or-less ports ⌄

Firmware Version 13.0.4.14 for M4250 switches with 24-or-more ports ⌄

MIB Version 13.0.4.14 for M4250 switches with 24-or-more ports ⌄

NETGEAR Engage Controller for Mac Version 1.1.6.6 ⌄

NETGEAR Engage Controller for Windows Version 1.1.6.6 ⌃

Download the "**NETGEAR Engage Controller**" for the OS version you are using.

⬇ **Download**   File size: 275 MB

Release Notes ›

USB Console Driver ⌄

➕ View Previous Versions

File　Home　Share　View

« Local Disk (C:) > Users > bparra > Downloads > Engage >

Search Engage

- Quick access
- OneDrive
- OneDrive - NETGEAR
- This PC
- PKBACK# 001 (D:)
- Network

	Name	Date modified	Type	Size
	Engage-Windows-V1.1.6.6	7/10/2023 7:47 AM	Compressed (zipp...	275,700 KB

Open the file location and right-click on the zip file.

1 item

Engage

File   Home   Share   View

Local Disk (C:) > Users > bparra > Downloads > Engage >   Search Engage

Name   Date modified   Type   Size

Quick access

OneDrive

OneDrive - NETGEAR

This PC

PKBACK# 001 (D:)
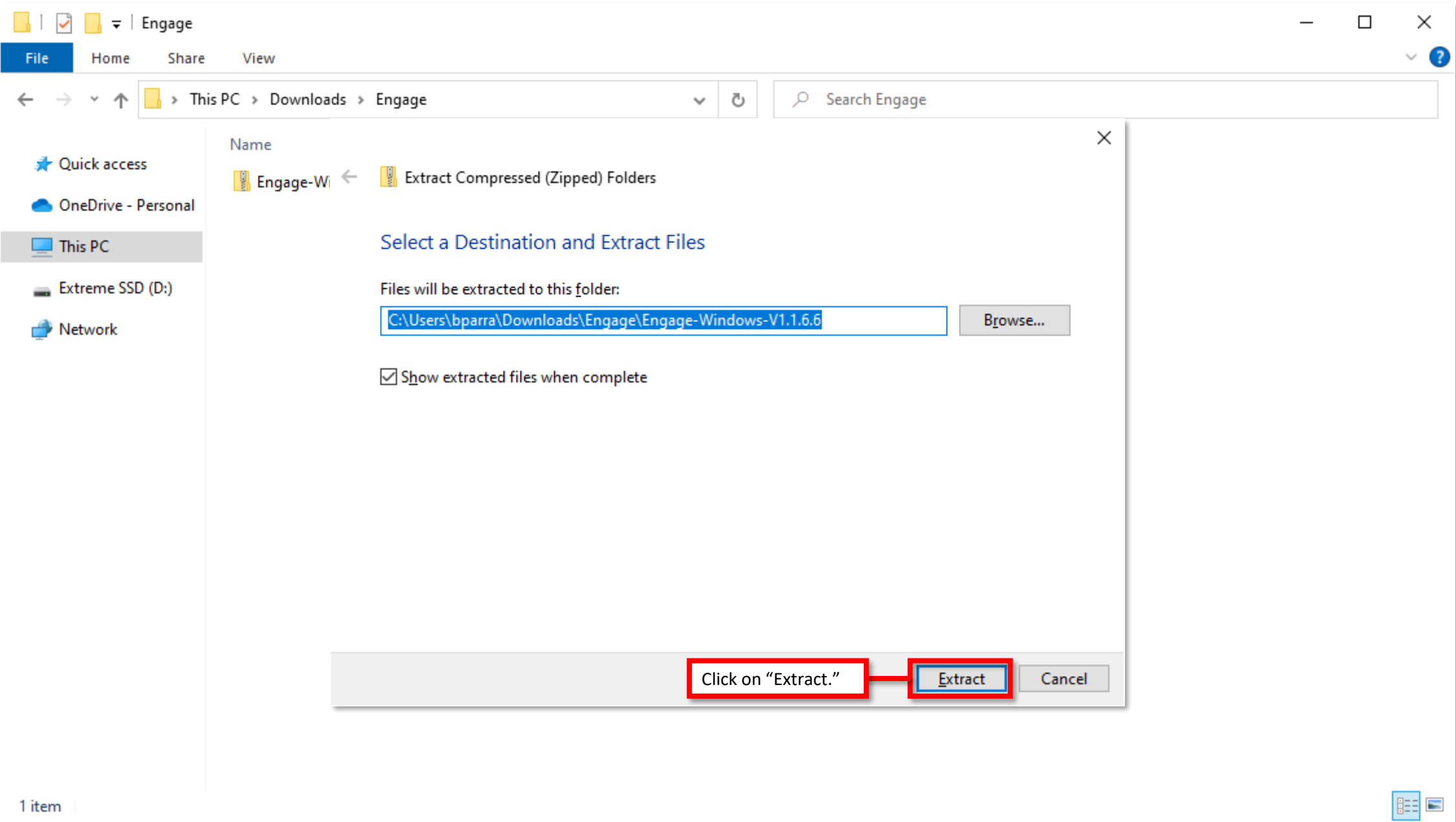
Network

Engage-Windows-V1.1.6.6   7/10/2023 7:47 AM   Compressed (zipp...   275,700 KB

Open
Open in new window

Extract All...   ——————   Click on "**Extract All...**"

Pin to Start

Scan with Microsoft Defender...

Share

Open with...

Give access to

Restore previous versions

Send to

Cut
Copy

Create shortcut
Delete
Rename

Properties

1 item

File | Home | Share | View

This PC > Downloads > Engage

Search Engage

Quick access

OneDrive - Personal

This PC

Extreme SSD (D:)

Network

Name

Engage-W...

← Extract Compressed (Zipped) Folders

Select a Destination and Extract Files

Files will be extracted to this folder:

C:\Users\bparra\Downloads\Engage\Engage-Windows-V1.1.6.6

Browse...

☑ Show extracted files when complete

Click on "Extract." → **Extract** | Cancel

1 item

File   Home   Share   View

This PC > Downloads > Engage > Engage-Windows-V1.1.6.6

Search Engage-Windows-V1.1.6.6

Name	Date modified	Type	Size
Engage-Windows-V1.1.6.6_Release_N...	7/10/2023 10:05 AM	Chrome HTML Do...	4 KB
Netgear-Engage-1.1.6.6	7/10/2023 10:05 AM	Application	276,150 KB

Quick access

OneDrive

OneDrive - NETGEAR

This PC

PKBACK# 001 (D:)

Network

Double-click on the "**Netgear-Engage**" file.

2 items

It will take a moment to install the software.

WinRAR self-extracting archive — □ ✕

Extracting files to C:\Users\bparra\Netgear folder
Extracting from Netgear-Engage-1.1.6.6.exe

Extracting Engage\ffmpeg.dll

Installation progress

Pause   Cancel
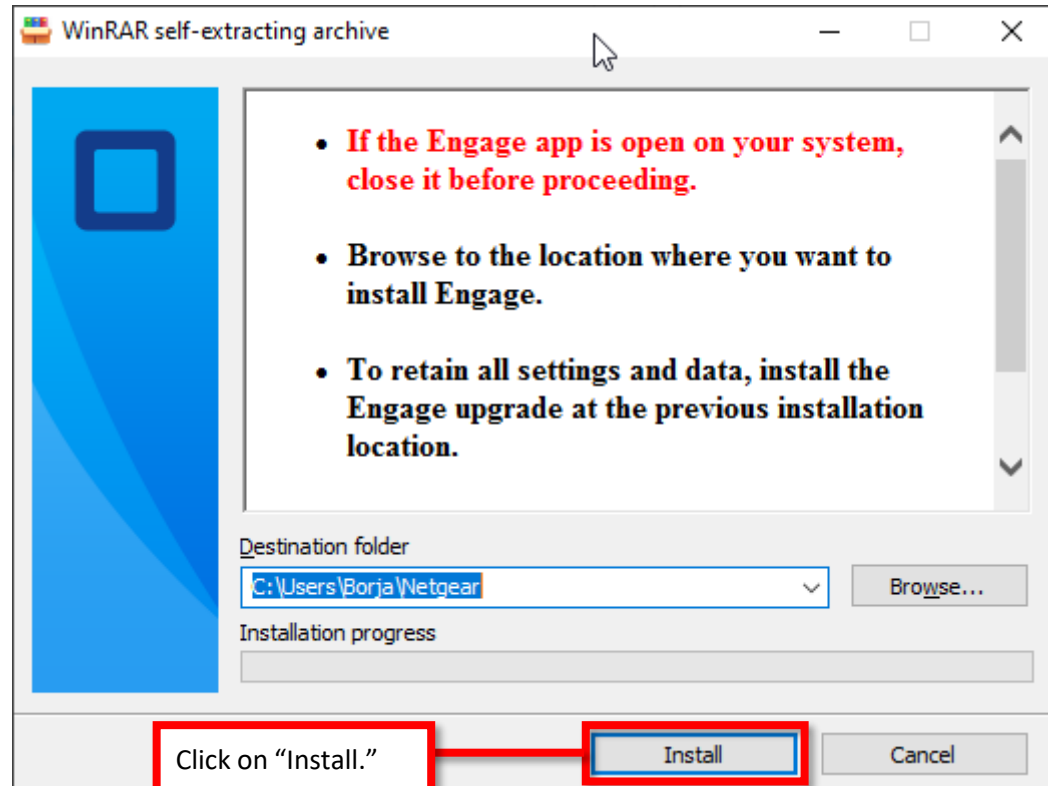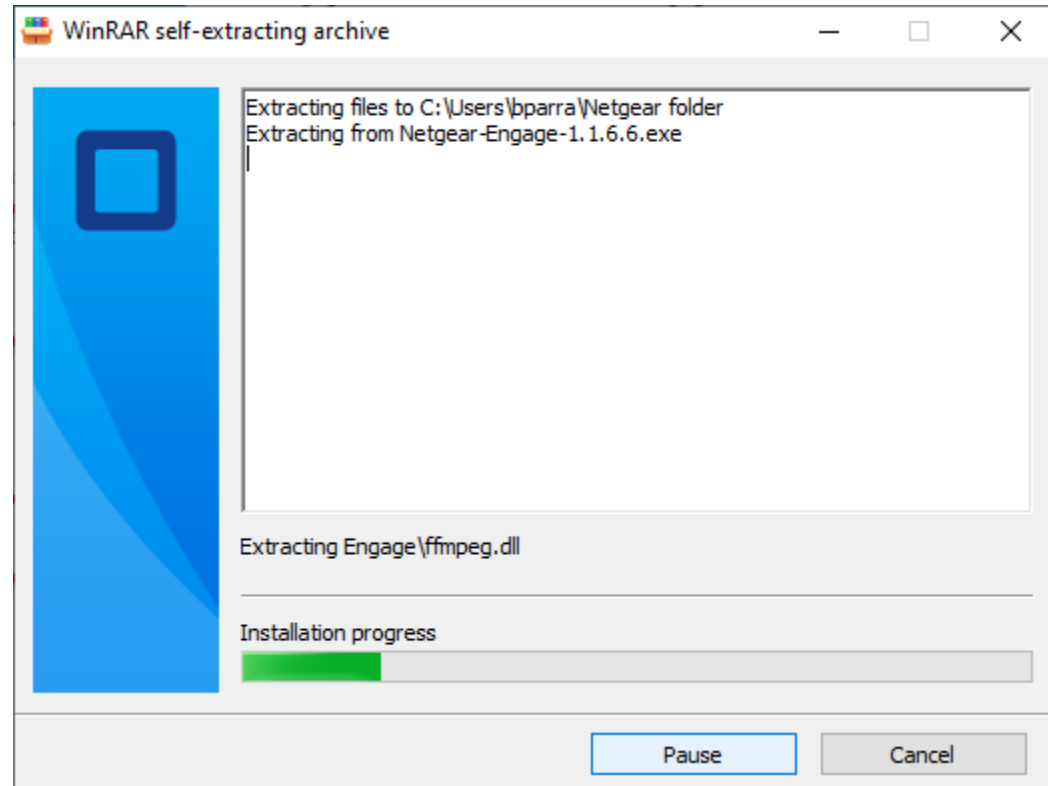
It will take a moment to install the software.

NETGEAR®
ENGAGE

Hello, welcome to Engage!

Loading....100%

NETGEAR Engage

NETGEAR®
ENGAGE

Login Name
admin

Login

Click on "**Login**."

NETGEAR®
ENGAGE

Engage Onboarding

1 Engage Password 2 Site Setup 3 Network Setup 4 Device Setup 5 Profile Setup

Engage Password

Set a new password for the Engage controller.

New Password

·············

Confirm Password

·············

Enter and confirm the password you want to use for the "**Engage**" controller.

‹ Back to Login

Click on "**Next**."

Next

NETGEAR®
ENGAGE

Engage Onboarding

1 Engage Password   2 Site Setup   3 Network Setup   4 Device Setup   5 Profile Setup

Site Setup

Set default site settings or import an existing site configuration.

● **Default Site Configuration**

Configure a default site name, description, and password.

Site Name
HQ

Site Description
Main Network

New Site Password
················

Confirm Site Password
···············

○ Import Site Configuration

Import a saved site configuration file.

Fill out the information for the site you want to configure.

Click on "**Next**."

‹ Back to Login

Previous

Next

NETGEAR
ENGAGE

Engage Onboarding

1 Engage Password   2 Site Setup   3 Network Setup   4 Device Setup   5 Profile Setup

Network Setup ⓘ
Identify Engage network interface.

◉ Dynamic IP Address

Obtain an IP address automatically from a network DHCP Server.

○ Static IP Address

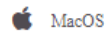Specify IPv4 settings manually.

○ Static IP Address + DHCP Server

Start a DHCP server process on a static IPv4 interface.

Engage Network Interface ▾

Click on the drop-down for the "**Engage Network Interface**."

This will allow us to select the network interface that the controller will use to manage the switches.

 MacOS   ⊞ Windows

How to set a Dynamic IP Address in your system?

Step-1: Use "Control Panel" and go to "Network and Internet" → "Network and Sharing Center".

Step-2: Select the network interface which Engage accesses the devices.

Step-3: Click "Properties".

Step-4: Choose "Internet Protocol Version 4 (TCP/IPv4)".

Step-5: Click "Properties".

Step-6: Select "Obtain an IP Address automatically".

‹ Back to Login

Previous   Next

NETGEAR Engage

NETGEAR
ENGAGE

Engage Onboarding

1 Engage Password   2 Site Setup   3 Network Setup   4 Device Setup   5 Profile Setup

Network Setup ⑦

Identify Engage network interface.

● Dynamic IP Address

Obtain an IP address automatically from a network DHCP Server.

○ Static IP Address

Specify IPv4 settings manually.

○ Static IP Address + DHCP Server

Start a DHCP server process on a static IPv4 interface.

Intel(R) Ethernet Connection (6) I219-LM(192.168.6.3)

Intel(R) Ethernet Connection (6) I219-LM   192.168.6.3   Select the interface you want to use.

 MacOS   ⊞ Windows

How to set a Dynamic IP Address in your system?

Step-1: Use "Control Panel" and go to "Network and Internet" → "Network and Sharing Center".

Step-2: Select the network interface which Engage accesses the devices.

Step-3: Click "Properties".

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Step-5: Click "Properties".

Step-6: Select "Obtain an IP Address automatically".

‹ Back to Login   Previous   Next

NETGEAR ENGAGE

Engage Onboarding

1 Engage Password 2 Site Setup 3 Network Setup 4 Device Setup 5 Profile Setup

Network Setup ⓘ

Identify Engage network interface.

- ● Dynamic IP Address

  Obtain an IP address automatically from a network DHCP Server.

- ○ Static IP Address

  Specify IPv4 settings manually.

- ○ Static IP Address + DHCP Server

  Start a DHCP server process on a static IPv4 interface.

Intel(R) Ethernet Connection (6) I219-LM(192.168.6.3) ⌄

 MacOS   ⊞ Windows

How to set a Dynamic IP Address in your system?

Step-1: Use "Control Panel" and go to "Network and Internet" → "Network and Sharing Center".

Step-2: Select the network interface which Engage accesses the devices.

Step-3: Click "Properties".

Step-4: Choose "Internet Protocol Version 4 (TCP/IPv4)".

Step-5: Click "Properties".

Step-6: Select "Obtain an IP Address automatically".

Click on "**Next.**"

‹ Back to Login   Previous   Next

NETGEAR Engage

NETGEAR® ENGAGE

Engage Onboarding

① Engage Password	② Site Setup	③ Network Setup	④ Device Setup	⑤ Profile Setup

Device Setup

Onboard devices to Engage. **Note: Engage automatically upgrades device firmware for compatibility as needed.**

Managed Devices

Switch Model	Name	Serial Number	IP Address	FW Version	AV Version	Status

⋯

You do not have any devices

Total 0   10/page ⌄   ‹ 1 ›   Go to 1

The "**Engage**" controller will then scan the network for any devices.

Click on "**Onboard**" for the switch you want to add.

Discovered Devices

Switch Model	Name	Serial Number	IP Address	FW Version	AV Version	
⋯ M4250-8G2XF-PoE+ GSM4210PX	M4250-8G2XF-PoE+-7...	6YX32A5NA0109	192.168.77.106	13.0.4.13	2.2.3.16	Onboard

Total 1   10/page ⌄   ‹ 1 ›   Go to 1

‹ Back to Login

Previous   Next

NETGEAR ENGAGE

Engage Onboarding

1 Engage Password   2 Site Setup   3 Network Setup   4 Device Setup   5 Profile Setup

Device Setup

Onboard devices to Engage. **Note: Enga...**

Managed Devices

Switch Model	Name					AV Version

Onboard ✕

Onboard devices to Engage. Note:Log in to the switch to let the controller onboard it. After onboarding, the controller manages the switch and replaces the device password with the site password. Engage automatically upgrades device firmware for compatibility as needed.

Device Admin User
admin

Device Password
👁

Device IP Address
192.168.77.106

Use device default password ⬤

Use controller site password ⬤

Cancel   **Add**

If you have already configured this switch with a password, you can enter the password here.

In our example, we are adding a new switch that has not been configured yet.

Enable the "**Use device default password**."

Total 0   10/page   < 1 >   Go to 1

Discovered Devices

Switch Model	Name	Serial Number	IP Address	FW Version	AV Version	
M4250-8G2XF-PoE+ GSM4210PX	M4250-8G2XF-PoE+-7...	6YX32A5NA0109	192.168.77.106	13.0.4.13	2.2.3.16	Onboard

Total 1   10/page   < 1 >   Go to 1

< Back to Login   Previous   Next

NETGEAR® ENGAGE

Engage Onboarding

1 Engage Password   2 Site Setup   3 Network Setup   4 Device Setup   5 Profile Setup

Device Setup

Onboard devices to Engage. **Note: Enga**

Managed Devices

Switch Model	Name		AV Version	Status

Onboard ✕

Onboard devices to Engage. Note:Log in to the switch to let the controller onboard it. After onboarding, the controller manages the switch and replaces the device password with the site password. Engage automatically upgrades device firmware for compatibility as needed.

Device Admin User
admin

Device Password 👁‍🗨

Device IP Address
192.168.77.106

Use device default password ●

Use controller site password ○

Cancel   **Add**

Click on "**Add.**"

Discovered Devices

Switch Model	Name	Serial Number	IP Address	FW Version	AV Version	
M4250-8G2XF-PoE+ GSM4210PX	M4250-8G2XF-PoE+-7...	6YX32A5NA0109	192.168.77.106	13.0.4.13	2.2.3.16	Onboard

Total 1   10/page   < 1 >   Go to 1

< Back to Login

Previous   Next

NETGEAR Engage

Engage Onboarding

Device Setup

Onboard devices to Engage. **Note: Engage automatically upgrades device firmware for compatibility as needed.**

Managed Devices

Switch Model	Name	Serial Number	IP Address	FW Version	AV Version	Status	
M4250-8G2XF-PoE+ GSM4210PX	M4250-8G2XF-PoE+-7...	6YX32A5NA0109	192.168.77.106	13.0.4.13	2.2.3.16	Ready	Remove

Total 1   10/page   ‹ **1** ›   Go to 1

Discovered Devices

Switch Model	Name	Serial Number	IP Address	FW Version	AV Version

You do not have any discovered devices

Total 0   10/page   ‹ **1** ›   Go to 1

Click on "**Next**."

‹ Back to Login

Previous   Next

NETGEAR Engage

A pop-up will come up to let you know that any profiles that are configured on the switches you are onboarding will be applied to all other devices that are onboarded.

When you create a "**Network Profile**," it will also be added to all onboarded switches.

⑤ Profile Setup

Profile Setup

Setup Network Profiles for your si

Notice ✕

During the device onboarding process, the controller:

- Pulls all network profiles that are configured on NETGEAR AV switches at this site.
- Pushes these profiles to all onboarded devices.

You can also use the Profile Setup wizard to create new network profiles.

☐ Don't remind me again   **OK**

Click on "**OK**."

Network Profiles   ⊕ Add Network Profile

Profile Name	Profile Template	VLAN ID
■ Default	Data	1

Total 0   10/page   ⟨ **1** ⟩   Go to 1

‹ Back to Login   Previous   Finish

From here we can add another network profile or click on "**Finish**."

For this example, we are going to add a network profile.

Engage Onboarding

1 Engage Password   2 Site Setup   3 Network Setup   4 Device Setup   5 Profile Setup

Profile Setup

Setup Network Profiles for your site.

Click on "**Add Network Profile**."

Network Profiles		⊕ Add Network Profile
Profile Name	**Profile Template**	**VLAN ID**
■ Default	Data	1

Total 0   10/page ⌄   ‹   **1**   ›   Go to 1

‹ Back to Login   Previous   **Finish**

NETGEAR Engage

Engage Onboarding

1 Engage Password   5 Profile Setup

Profile Setup

Setup Network Profiles for your si

Configure New Profile   ✕

1 ——————————————————————— 2

Profile Template   **Network Setting**
Select AV Profile Template   Configure Network Settings

Profile Template

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

┌───┐
│ Profile Template   │
│ Select   ⌄   │
└───┘   **Click on the drop-down to select the profile.**

Use As Default VLAN Profile   ⬤○

Network Profiles   ⊕ Add Network Profile

Profile Name

■ Default   1

Cancel   Next

‹ Back to Login   Previous   Finish

NETGEAR®
ENGAGE

Engage Onboarding

1 Engage Password

5 Profile Setup

Profile Setup

Setup Network Profiles for your si

Network Profiles

⊕ Add Network Profile

Profile Name

VLAN ID

■ Default

1

Configure New Profile

1 Profile Template
Select AV Profile Template

2 Network Setting
Configure Network Settings

Profile Template

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

Profile Template
Select ∧

Audio AES67

Audio Dante

We are going to select "**Audio Dante**."

Audio Q-SYS

Audio Video AVB

Data

Lighting

Shure Converged Audio and Control Network

‹ Back to Login

Previous

Finish

NETGEAR®
ENGAGE

Engage Onboarding

1 Engage Password   5 Profile Setup

Profile Setup

Setup Network Profiles for your si

Network Profiles   ⊕ Add Network Profile

Profile Name   VLAN ID

■ Default   1

Configure New Profile   ✕

1 ─────────────────────────── 2

Profile Template   **Network Setting**
Select AV Profile Template   Configure Network Settings

Profile Template

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

┌─ Profile Template ──────────────────────────┐
│ Audio Dante   ⌄ │
└───┘

Profile Description

To connect IP Audio Dante devices and their controller

Use As Default VLAN Profile   ⬤○

Cancel   **Next** ────── Click on "**Next**."

‹ Back to Login   Previous   Finish

NETGEAR®
ENGAGE

Engage Onboarding

1 Engage Password   5 Profile Setup

Profile Setup

Setup Network Profiles for your si...

Network Profiles   ⊕ Add Network Profile

Profile Name   VLAN ID

Configure New Profile   ✕

1 ———————————————— 2

Profile Template   Network Setting

Select AV Profile Template   Configure Network Settings

Profile Settings

Configure you profile settings and and preferences

Profile Name   Profile Template

Dante   Audio Dante   ⌄

We are going to name this profile
"**Dante**" and give it a VLAN ID of 20.

VLAN ID   Color

20   ☐

Click here to select the color for the
ports configured under this profile.

Cancel   Apply

‹ Back to Login   Previous   Finish

NETGEAR
ENGAGE

Engage Onboarding

1 Engage Password   5 Profile Setup

Profile Setup

Setup Network Profiles for your s...

Configure New Profile ✕

① ——————————————————— ②

Profile Template
Select AV Profile Template

Network Setting
Configure Network Settings

Profile Settings

Configure you profile settings and and preferences

Network Profiles			⊕ Add Network Profile
Profile Name			**VLAN ID**

Profile Name
Dante

Profile Template
Audio Dante ∨

| ■ Default | | | 1 |

VLAN ID
20

Color
🔵 #fff

#2CA9DE   Clear   OK

Select the color and click on "**OK**."

< Back to Login

Previous   Finish

NETGEAR®
ENGAGE

Engage Onboarding

1 Engage Password   5 Profile Setup

Profile Setup

Setup Network Profiles for your s...

Configure New Profile   ✕

①──────────────────②

Profile Template   **Network Setting**
Select AV Profile Template   Configure Network Settings

Profile Settings

Configure you profile settings and and preferences

Profile Name   Profile Template
Dante   Audio Dante   ⌄

VLAN ID   Color
20   ▾ #2CA9DE

Cancel   **Apply** ────── Click on "**Apply**."

Network Profiles   ⊕ Add Network Profile

Profile Name   VLAN ID

■ Default   1

‹ Back to Login   Previous   Finish

NETGEAR® ENGAGE

Engage Onboarding

1 Engage Password   2 Site Setup   3 Network Setup   4 Device Setup   5 Profile Setup

Profile Setup

Setup Network Profiles for your site.

Network Profiles

⊕ Add Network Profile

Profile Name	Profile Template	VLAN ID
■ Default	Data	1
■ Dante	Audio Dante	20

Total 2   10/page ⌄   ‹ **1** ›   Go to 1

You can then follow the same steps to create multiple profiles.

Once you have created the profiles, click on "**Finish**."

‹ Back to Login

Previous   Finish

It will take a few minutes for the onboarding process as the configuration is applied to the switches.

The onboarding process will also update firmware when needed. This will cause the switch to reboot.

Onboarding in progress...

This may takes a few minutes.

69%

✅ Engage Password   ✅ Site Setup   ✅ Network Setup   ⭕ Device Setup   ⭕ Profile Setup

NETGEAR Engage

Onboarding Finished

100%

✅ Engage Password   ✅ Site Setup   ✅ Network Setup   ✅ Device Setup   ✅ Profile Setup

Go to Devices

Click on "**Go to Devices**."

NETGEAR Engage

NETGEAR®
ENGAGE

Question/Help ∨   👤 admin ∨

Devices   Topology   Site Settings   Support   Controller Management

Site
HQ` ∨   **Save**

Managed Devices

⊕ Add Device

Switch Model	System Name	Serial Number	IP Address	FW Version	AV Version	Status	
M4250-8G2XF-PoE+ GSM4210PX	✏️	6YX32A5NA0109	192.168.77.106	13.0.4.13	2.2.3.16	Online	**Configure** ⋮

Total 1   10/page ∨   ‹ **1** ›   Go to 1

Discovered Devices

Switch Model	System Name	Serial Number	MAC Address	IP Address	FW Version	AV Version

⊙

You do not have any discovered devices

Total 0   10/page ∨   ‹ **1** ›   Go to 1

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NETGEAR Engage

NETGEAR
ENGAGE

We can access the AV UI of any of the switches that have been onboarded.

Question/Help ∨   ● admin ∨

Devices   Topology   Site Settings   Support   Controller Management

Site
HQ` ∨   **Save**

Managed Devices   ⊕ Add Device

Switch Model	System Name	Serial Number	IP Address	FW Version	AV Version	Status		
M4250-8G2XF-PoE+ GSM4210PX	✏	6YX32A5NA0109	192.168.77.106	13.0.4.13	2.2.3.16	Online	**Configure**	⋮

Total 1   10/page ∨   ‹ **1** ›   Go to 1

Click on "**Configure**."

Discovered Devices

Switch Model	System Name	Serial Number	MAC Address	IP Address	FW Version	AV Version

⬚

You do not have any discovered devices

Total 0   10/page ∨   ‹ **1** ›   Go to 1

NETGEAR Engage

NETGEAR ENGAGE

Question/Help ⌄   👤 admin ⌄

Devices   Topology   Site Settings   Support   Controller Management

Site
HQ` ⌄   Save

‹ Devices Management

⚙ Configure   ⌃

Overview

Network Profiles

Link Aggregation

Multicast

Neighbor

Power over Ethernet

Port configuration

Security

Maintenance

AVB License

🔧 Diagnostics   ⌄

Overview
Configure | Overview

M4250-8G2XF-PoE+   ☑ Show Legends

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 S | 10 S⁺ |

○ Connected   ○ Connected & Powered   ○ Error   ● Disabled
● Available   ⊘ Blocked   ! Admin Down   ⚠ Warning
🔍 Force-Authorized   ⚒ Force-Unauthorized   🔓 Authorized   🔒 Unauthorized
L LAG   T VLAN Trunk   A Auto Trunk   ⚡ PoE
⚡ PoE Disabled   ✛ Force Multicast   S 1G SFP Fiber Port S⁺ 10G SFP+ Fiber Port
Ⓢ Shure Device Connected

Device Details

Product Name	Serial Number	Model	Date & Time	Country/Region
M4250	6YX32A5NA0109	M4250-8G2XF-PoE+	2023-04-04 21:01:39 ✎	N/A

Base MAC Address	System Name	Firmware Version	AV UI Version	Boot Version
94:18:65:7D:5D:6D	✎	13.0.4.13	2.2.3.16	1.0.0.11

System Uptime   OOB IP Address   Management IP Address   STP Network Redundancy

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NETGEAR Engage

NETGEAR ENGAGE

You can go back to the list of devices by clicking on the "**Devices**" tab.

Question/Help ⌄   👤 admin ⌄

Devices   Topology   Site Settings   Support   Controller Management

Site
HQ` ⌄   **Save**

< Devices Management

⚙ Configure ⌃

Overview

Network Profiles

Link Aggregation

Multicast

Neighbor

Power over Ethernet

Port configuration

Security

Maintenance

AVB License

🔧 Diagnostics ⌄

Overview
Configure | Overview

M4250-8G2XF-PoE+
☑ Show Legends

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 S⁺ | 10 S⁺ |

○ Connected   ○ Connected & Powered   ○ Error   ● Disabled
● Available   ⊘ Blocked   ! Admin Down   ⚠ Warning
🔍 Force-Authorized   🔧 Force-Unauthorized   🔓 Authorized   🔒 Unauthorized
L LAG   T VLAN Trunk   A Auto Trunk   ⚡ PoE
⚡ PoE Disabled   ✛ Force Multicast   S 1G SFP Fiber Port S⁺ 10G SFP+ Fiber Port
Ⓢ Shure Device Connected

Device Details

Product Name	Serial Number	Model	Date & Time	Country/Region
M4250	6YX32A5NA0109	M4250-8G2XF-PoE+	2023-04-04 21:01:39 ✎	N/A

Base MAC Address	System Name	Firmware Version	AV UI Version	Boot Version
94:18:65:7D:5D:6D	✎	13.0.4.13	2.2.3.16	1.0.0.11

System Uptime   OOB IP Address   Management IP Address   STP Network Redundancy

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Click on "**Topology**."

Devices   **Topology**   Site Settings   Support   Controller Management

Site
HQ` ⌄   **Save**

Managed Devices

⊕ Add Device

Switch Model	System Name		Serial Number	IP Address	FW Version	AV Version	Status		
⬛ ... M4250-8G2XF-PoE+ GSM4210PX		✏️	6YX32A5NA0109	192.168.77.106	13.0.4.13	2.2.3.16	Online	**Configure**	⋮

Total 1   10/page ⌄   ‹   **1**   ›   Go to 1

Discovered Devices

Switch Model	System Name	Serial Number	MAC Address	IP Address	FW Version	AV Version

...

You do not have any discovered devices

Total 0   10/page ⌄   ‹   **1**   ›   Go to 1

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Devices   **Topology**   Site Settings   Support   Controller Management

Site
HQ` ⌄   **Save**

Site Topology   Site Neighbors   ↻ Refresh

The "**Topology**" tab will show us all the switches we onboard to our Engage controller.

As we add more switches this will update to show all the switches.

6YX32A5NA0109 ▭   ▭ 6YX32A5FA00F7

▭ 6YX1245HF0018

▭ 6YX32A5NA0109

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Devices   **Topology**   Site Settings   Support   Controller Management

Site
HQ` ⌄   **Save**

Site Topology   Site Neighbors ── Click on "**Site Neighbors**."   ↺ Refresh

🖥 6YX32A5NA0109

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Question/Help ∨   👤 admin ∨

Devices   **Topology**   Site Settings   Support   Controller Management

Site
HQ`   ∨   **Save**

Site Topology   **Site Neighbors**   ↻ Refresh   ⬆ Export

1 Switches	**3** Neighbors	**3** Online Neighbors	**0** Offline Neighbors

Switch Name ↓	Host ↓	Port ↓	MAC Address ↓	Network Profile ↓	VLAN ID ↓	IP Address ↓	Remote Port ID ↓	Bit Rate(Mbps)
6YX32A5NA0109	LCFC(HeFei) Electronics Technol	3	F8:75:A4:FB:C0:A5	Default	1	192.168.77.100	f8:75:a4:fb:c0:a5	0.0/0.0
6YX32A5NA0109	ACN Technologies	8	00:04:05:06:EC:6A	Default	1	10.79.50.142		0.0/0.0
6YX32A5NA0109		2	00:E2:69:59:63:64	Default	1	192.168.77.1		0.0/0.0

Total 3   10/page ∨   ‹   **1**   ›   Go to 1

"**Site Neighbors**" will provide information about the devices connected to the switch.

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Question/Help ⌄   👤 admin ⌄

Click on "**Site Settings**."

Devices   Topology   Site Settings   Support   Controller Management

Site
HQ` ⌄   **Save**

Site Topology   **Site Neighbors**   ↻ Refresh   ⬆ Export

┌──────────────────┬──────────────────┬──────────────────────┬──────────────────────┐
│ **1** Switches │ **3** Neighbors │ **3** Online Neighbors│ **0** Offline Neighbors│
└──────────────────┴──────────────────┴──────────────────────┴──────────────────────┘

Switch Name ↓	Host ↓	Port ↓	MAC Address ↓	Network Profile ↓	VLAN ID ↓	IP Address ↓	Remote Port ID ↓	Bit Rate(Mbps)
⌄				⌄	⌄			
6YX32A5NA0109	LCFC(HeFei) Electronics Technol	3	F8:75:A4:FB:C0:A5	Default	1	192.168.77.100	f8:75:a4:fb:c0:a5	0.0/0.0
6YX32A5NA0109	ACN Technologies	8	00:04:05:06:EC:6A	Default	1	10.79.50.142		0.0/0.0
6YX32A5NA0109		2	00:E2:69:59:63:64	Default	1	192.168.77.1		0.0/0.0

Total 3   10/page ⌄   ‹   **1**   ›   Go to   1

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Devices   Topology   Site Settings   Support   Controller Management

stion/Help ⌄   👤 admin ⌄

Site
HQ` ⌄

Save

From here we can create and edit networks, the changes will be applied to all the devices on the site.

We can also enable or disable "**Auto-Trunk**" and "**Auto-LAG**" for the site.

Network Profiles

⤒ Export Worksheet   ⊕ Create New Profile

Profile Name	Profile Template	VLAN ID	
⬛ Default	Data	1	⋮
🟦 Dante	Audio Dante	20	⋮

Total 2   10/page ⌄   ‹ **1** ›   Go to 1

Global Settings

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

Auto-Trunk   🔵⬤

Auto-LAG   🔵⬤

Auto-LAG Hash
Layer 2; Destination ⌄

We can also configure port settings for the "**Network Profiles**."

Click on the menu icon to the right of the VLAN you want to configure.

NETGEAR Engage

NETGEAR ENGAGE

Question/Help ˅   admin ˅

Devices   Topology   **Site Settings**   Support   Controller Management

Site
HQ`

Save

Network Profiles

⬆ Export Worksheet   ⊕ Create New Profile

Profile Name	Profile Template	VLAN ID	
■ Default	Data	1	⋮
■ Dante	Audio Dante	20	⋮

Total 2   10/page ˅   ‹ **1** ›   Go to 1

Click on "**Edit.**" →   ✎ Edit

🗑 Delete

Global Settings

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

Auto-Trunk   ⬤▬

Auto-LAG   ▬⬤   Auto-LAG Hash
Layer 2; Destination ˅

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Question/Help ⌄   👤 admin ⌄

Devices   Topology   Site Settings   Support   Controller Management

Site
HQ` ⌄   **Save**

Edit 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 Dante ⌄

Click on "**Next**." → **Next**

NETGEAR ENGAGE

Question/Help ⌄   👤 admin ⌄

Devices   Topology   **Site Settings**   Support   Controller Management

Site
HQ` ⌄

Save

Edit 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
Dante

Profile Template
Audio Dante ⌄

VLAN ID
20

Color
#2CA9DE

Previous   Cancel   **Next**

Click on "**Next**."

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Devices   Topology   Site Settings   Support   Controller Management

Site
HQ` ⌄   **Save**

Edit Profile   Back to Network Profiles

① Profile Template   ② Profile Settings   ③ Port Assignment

Profile Name: **Dante** | VLAN ID: **20** | Profile Template: **Audio Dante**   Show Legends ⟳ Refresh

Select the switch you want to configure.

6YX32A5NA010...

Total Number of Configured Switches: **0**   🔍 Search for Switch

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**

NETGEAR ENGAGE

Question/Help ∨   admin ∨

Devices   Topology   Site Settings   Support   Controller Management

Site
HQ` ∨   **Save**

Edit Profile

Back to Network Profiles

Select the ports you want to add to the network profile.

In our example we are adding ports 4, 5, 6 to VLAN 20(Network Profile Dante).

1 Profile Template   2 Profile Settings   3 Port Assignment

Profile Name: **Dante** | VLAN ID: **20** | Profile Template: **Audio Dante**

Show Legends   ↻ Refresh

6YX32A5NA0109   ✕

[1] [2] [3] [4] [5] [6] [7] [8] [9] [10]

6YX32A5NA010...

Untag all

Total Number of Configured Switches: **0**

Search for Switch

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**

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Question/Help ⌄   👤 admin ⌄

Devices   Topology   Site Settings   Support   Controller Management

Site
HQ`   ⌄

Save

Edit Profile   Back to Network Profiles

1 Profile Template   2 Profile Settings   3 Port Assignment

Profile Name: **Dante** | VLAN ID: **20** | Profile Template: **Audio Dante**   Show Legends ↻ Refresh

6YX32A5NA0109   ✕

| 1 | 2 | 3 | 4 ✓ | 5 ✓ | 6 ✓ | 7 | 8 | 9 | 10 |

Untag all

6YX32A5NA010...

Total Number of Configured Switches: **1**   🔍 Search for Switch

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

Previous   Cancel   Apply

Click on "**Apply**."

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A pop-up will come up to verify that we want to apply the port configuration.

Keep in mind that VLAN 1 is the management VLAN, if you configure all the ports on a single switch to a different VLAN than 1, you will lose access to the switch. You can avoid this by not selecting the uplink port of the switch.

Question/Help ⌄   👤 admin ⌄

Site
HQ ⌄   Save

Edit Profile   Back to Network Profiles

1 Profile Template   2 Profile Settings   3 Port Assignment

Profile Name: **Dante** | VLAN ID: **20** | Profile Template: **Audio Dante**   Show Legends ↻ Refresh

×   6YX32A5NA0109   ×

Edit 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: **1**   🔍 Search for Switch

Click on "**Confirm**."

Switch Name ↓   Model ↓

6YX32A5NA0109   M4250-8G2XF-PoE+   3

Previous   Cancel   Apply

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Question/Help ∨   admin ∨

Devices   Topology   Site Settings   Support   Controller Management

Site
HQ` ∨   **Save**

Network Profiles

⬆ Export Worksheet   ⊕ Create New Profile

Profile Name	Profile Template	VLAN ID	
⬛ Default	Data	1	⋮
🟦 Dante	Audio Dante	20	⋮

Total 2   10/page ∨   ‹ **1** ›   Go to 1

Global Settings

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

Auto-Trunk   🔵

Auto-LAG   🔵   Auto-LAG Hash
Layer 2; Destination ∨

NETGEAR ENGAGE

Devices   Topology   Site Settings   **Support**   Controller Management

Site
HQ` ⌄   **Save**

Support

Please send an email to ProAVDesign@netgear.com with the tech support materials from this site. To download the tech support materials, tap the **Download File** button at the bottom of the page.

Select the contents to the .zip file from below:

☐ Controller Log File   ☐ Site Configuration File   ☑ Topology Screenshots

☑	Switch Model	System Name	Serial Number	IP Address	FW Version	Status
☑	M4250-8G2XF-PoE+		6YX32A5NA0109	192.168.77.106	13.0.4.13	Online

Total 1   10/page ⌄   ⟨   **1**   ⟩   Go to 1

Click the button below to download file.

Download File

From here we can download the tech support files for all devices at a site.

NETGEAR Engage

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Question/Help ∨   admin ∨

Devices   Topology   Site Settings   **Support**   Controller Management

Site
HQ`   **Save**

Support

Please send an email to ProAVDesign@netgear.com with the tech support materials from this site. To download the tech support materials, tap the **Download File** button at the bottom of the page.

Select the contents to the .zip file from below:

☐ Controller Log File   ☐ Site Configuration File   ☑ Topology Screenshots

☑	Switch Model	System Name	Serial Number	IP Address	FW Version	Status
☑	M4250-8G2XF-PoE+		6YX32A5NA0109	192.168.77.106	13.0.4.13	Online

Total 1   10/page ∨   ‹   **1**   ›   Go to 1

Click the button below to download file.

Download File

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Question/Help ⌄   👤 admin ⌄

Devices   Topology   Site Settings   Support   **Controller Management**

Site
HQ`

Save

Manage Site Configurations

⤓ Import Site   ⊕ Create New Site

Site Name	Default Site	Site Description	Number of Devices	Number of Profiles	
HQ`	✓	Main Network	1	2	⋮

Total 1   10/page ⌄   ‹ **1** ›   Go to 1

From here we can create new sites.

You can set up sites for different AV networks and manage them all through the controller.

End