USER GUIDE

VELOP
AX4200

Model MX4200/MX4000/MX4200C/MX4050

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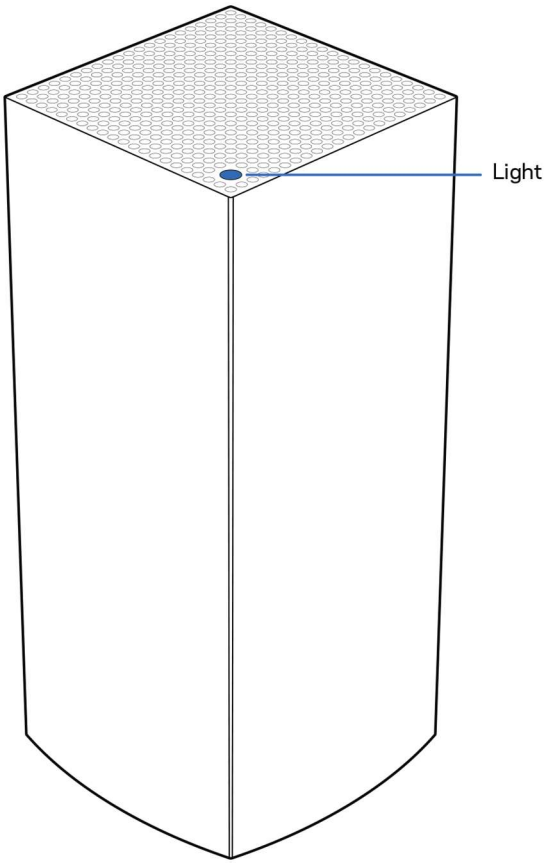
Product Overview

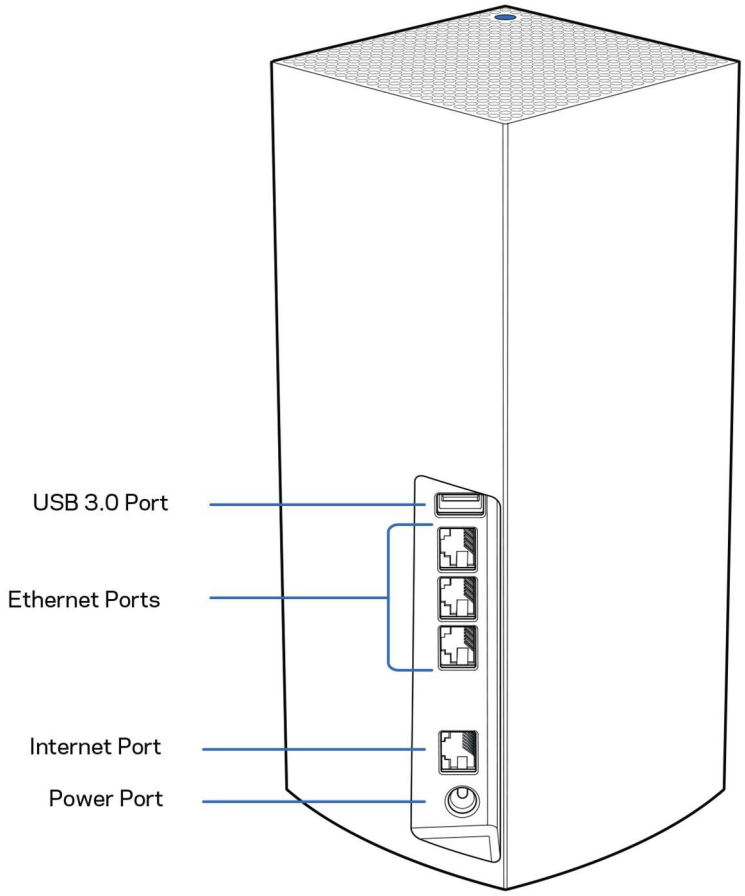
Front/top



The light on the top of your node gives you information about the node's operation.

Light description	Status
Blinking blue	Starting up
Solid blue	Connected
Blinking purple	Setup in progress
Solid purple	Ready for setup
Blinking red	Disconnected • Child node: too far • Parent node: unplugged from modem
Solid red	No internet from the modem
Solid yellow	Weak connection • Child node only

Back



USB 3.0 port— Connect and share USB drives on your network. For local file sharing only (no FTP, media server or virtualUSB support). Also, not intended for sharing peripherals such as printers, scanners or cameras.

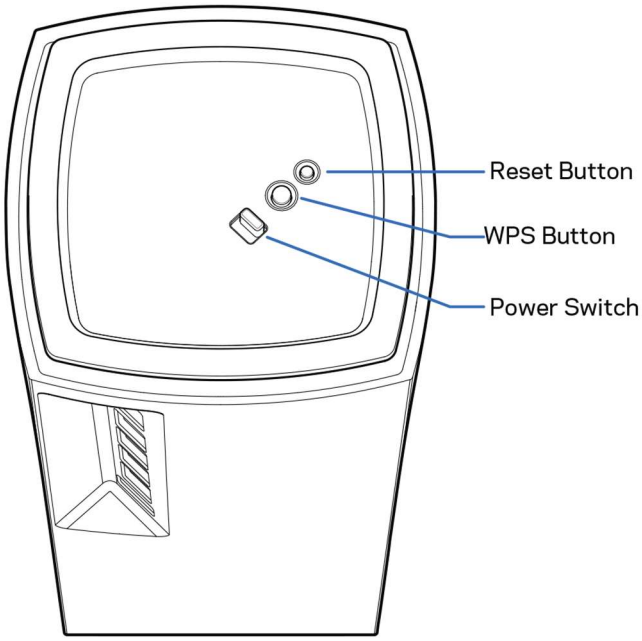
Ethernet ports—Connect ethernet cables to these Gigabit ethernet (10/100/1000) ports and to other wired devices on your network. If you have more than one node in your Velop system, use one of these ports to connect to your modem or modem-router.

Note—For best performance, use a CAT5e or higher rated cable on the Ethernet port.

Internet port—Connect an ethernet cable to the yellow gigabit (10/100/1000) port, and to a broadband internet cable/DSL or fiber modem. If you are using this router as a child node in a mesh Wi-Fi system, you can use this port to create a wired connection to another node.

Power port—Connect the included AC power adapter to this port.

Bottom



Reset button—Press and hold until the light on top of the node turns red, fades and flashes bright red again to reset the node to its factory defaults.

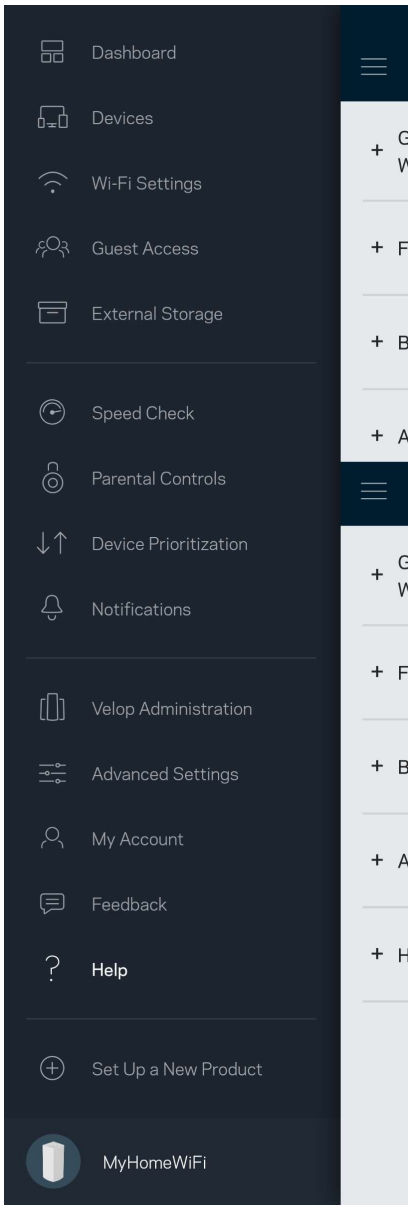
Wi-Fi Protected Setup button—Press to connect WPS-enabled network devices.

Power switch—Slide to | (on) to power on the node.

Help

Where to find more help

- Linksys.com/support/Velop
- Linksys app help (launch the app and click Help in the main navigation menu)



Note—Licenses and notices for third party software used in this product may be viewed on http://support.linksys.com/en-us/license. Please contact http://support.linksys.com/en-us/gplcodecenter for questions or GPL source code requests.

Set Up

IMPORTANT—Velop nodes can be set up as primary nodes or child nodes. A primary node must be connected with an ethernet cable to your modem or modem router. Once set up wirelessly, secondary nodes can be connected to another node wirelessly or with ethernet cables.

If you are adding this new node as parent node to an existing Velop whole home mesh Wi-Fi system, factory reset all nodes and add them to the system after the new node is setup and working.

Download the Linksys app. You need this app to set up Velop.

Go to the app store for your device and search for Linksys.

Install the app, open it and follow the instructions.

Note—The app works with iOS 11.4 and later, and Android 6 and later.

You will create a Linksys Smart Wi-Fi account so you can use the app to view or change your Velop system settings from anywhere you have an internet connection.

Among the many things you can do with Linksys Smart Wi-Fi:

- Change your Wi-Fi name and password
- Set up guest access
- Connect devices to Wi-Fi with WPS
- Block internet with parental controls
- Test your internet connection speed

Note—During setup we'll send a verification email. From your home network, click the link in the email.

Other than plugging in the power and the ethernet cable, the app-based setup process does the work for you. Once connected, use the app to personalize your Wi-Fi by giving it a name and password. You also can give nodes names based on where they are so you can identify them in the rare case where things need attention.

Print this page, then record your Wi-Fi and account settings in the table as a reference. Store your notes in a safe place.

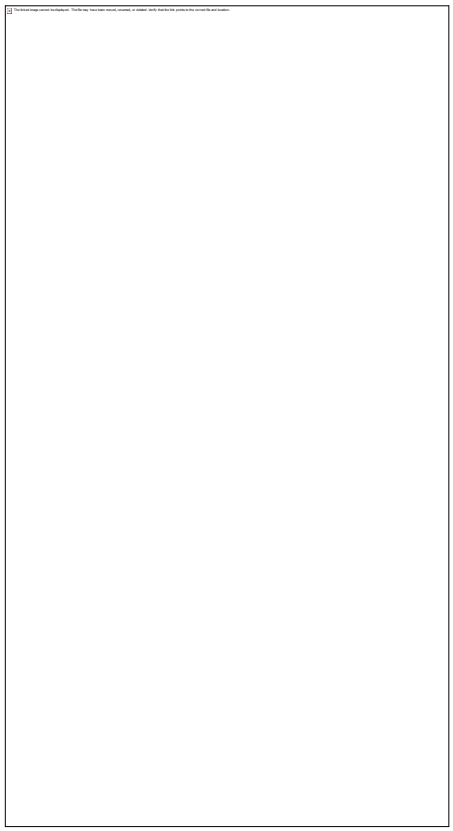
Wi-Fi Name	
Wi-Fi Password	
Admin Password	
Guest Access Name	
Guest Access Password	
Linksys App Login Email	
Linksys App Password	

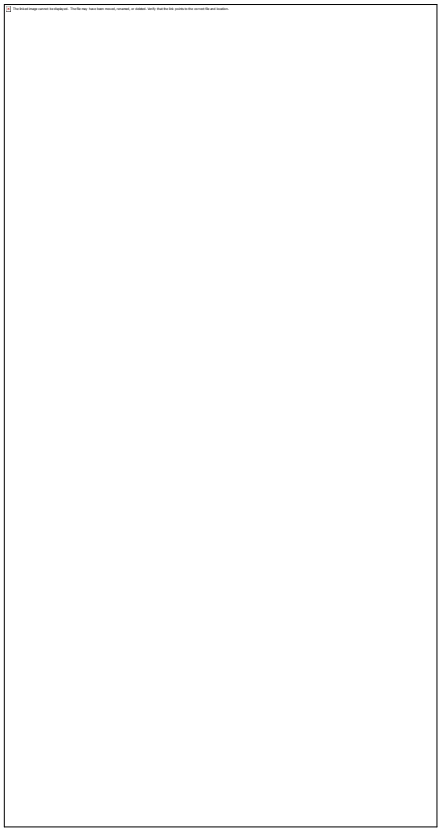
Velop System Settings

Using your Linksys app, you can view or change Velop system settings to make your Wi-Fi more secure or to work better with a device or game. You can access settings from anywhere in the world if you have an internet connection. You can also access settings using your router password when connected to your home network even if you do not have an internet connection.

Log in to the Linksys app

1. Open the Linksys app.

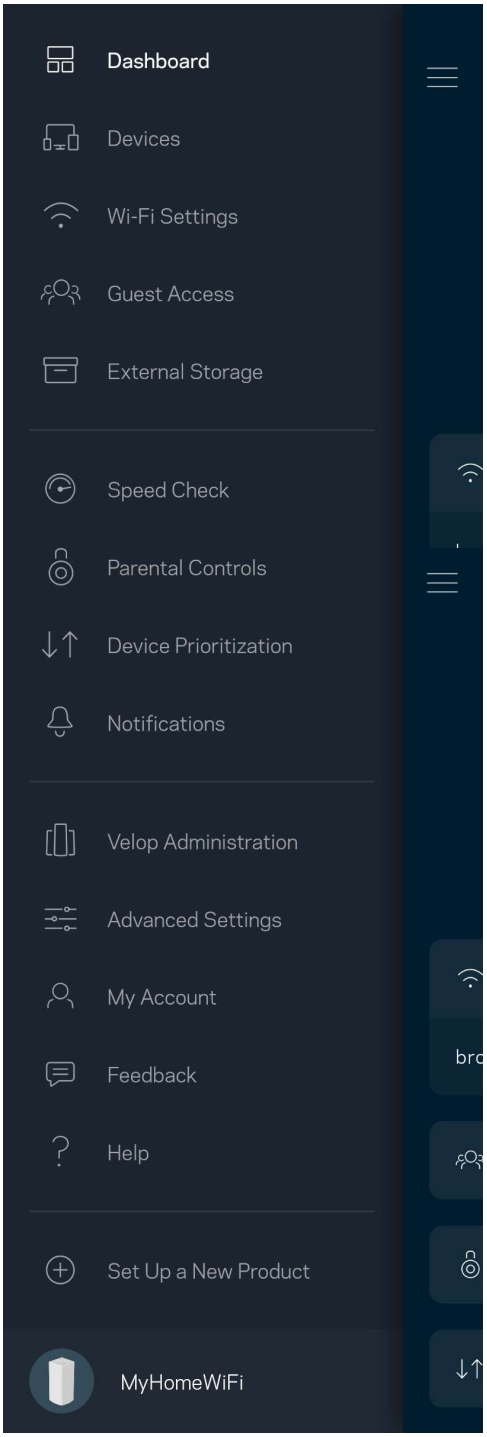


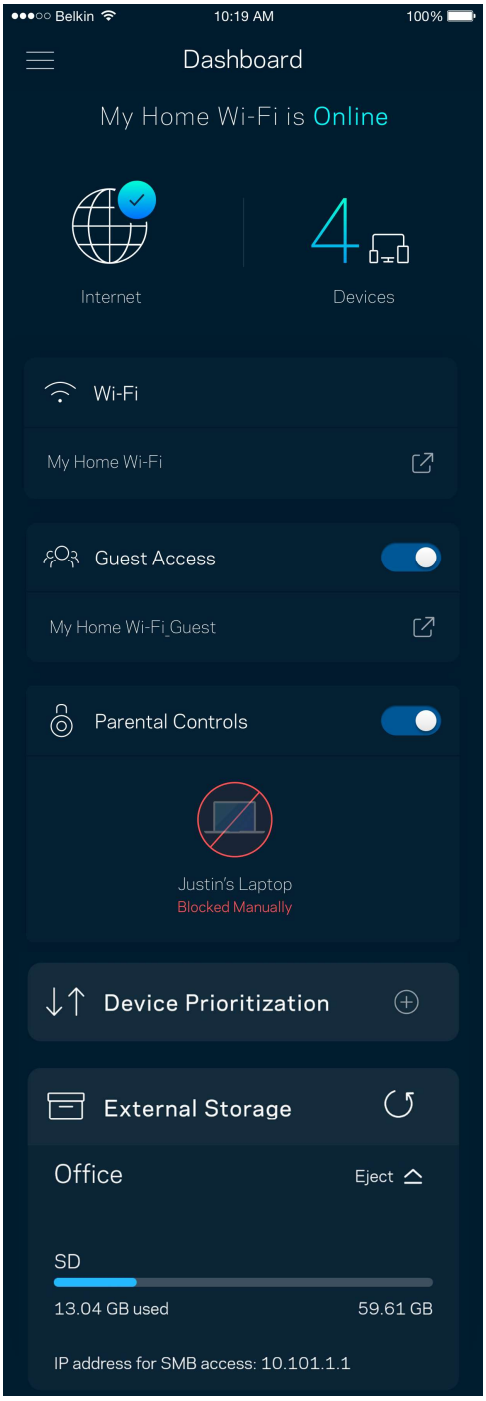


2. Enter the email address you used when creating your account.
3. Enter your account password.
4. Tap Log in.

Dashboard

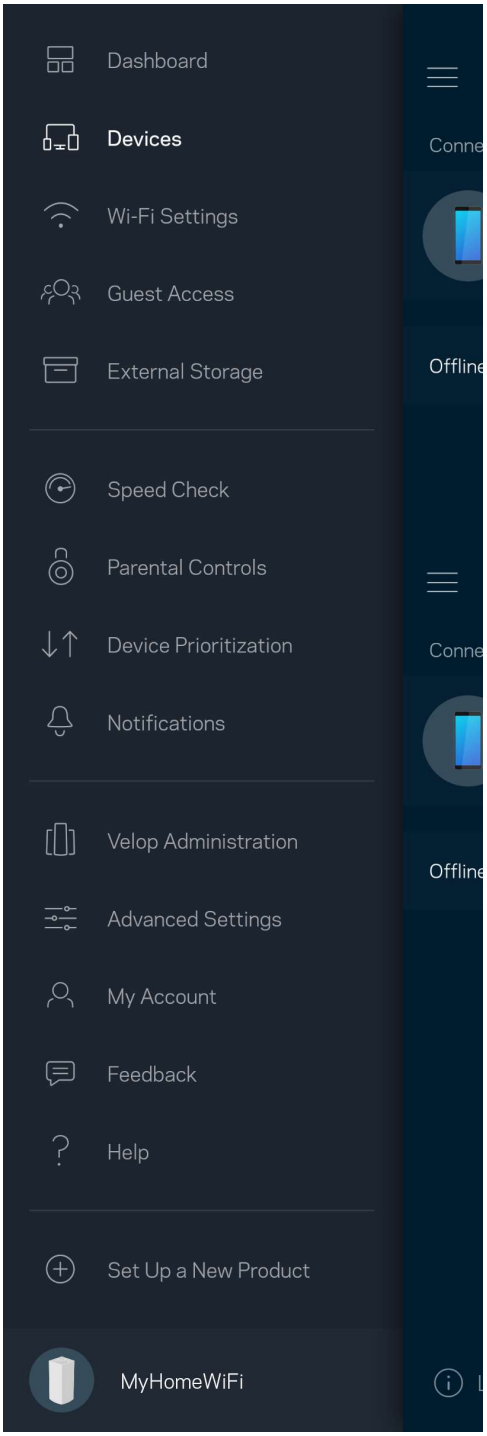
Dashboard is a snapshot of your Wi-Fi. See how many devices are connected to your Velop system. Share Wi-Fi password and allow guest access to your Wi-Fi. Dashboard also shows you if any devices have parental controls on them or have been prioritized for Wi-Fi access.

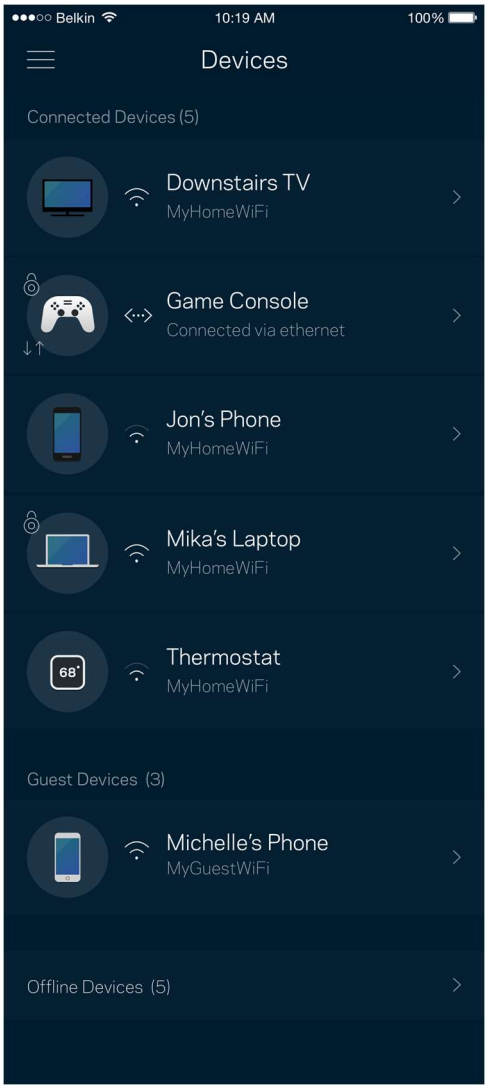




Devices

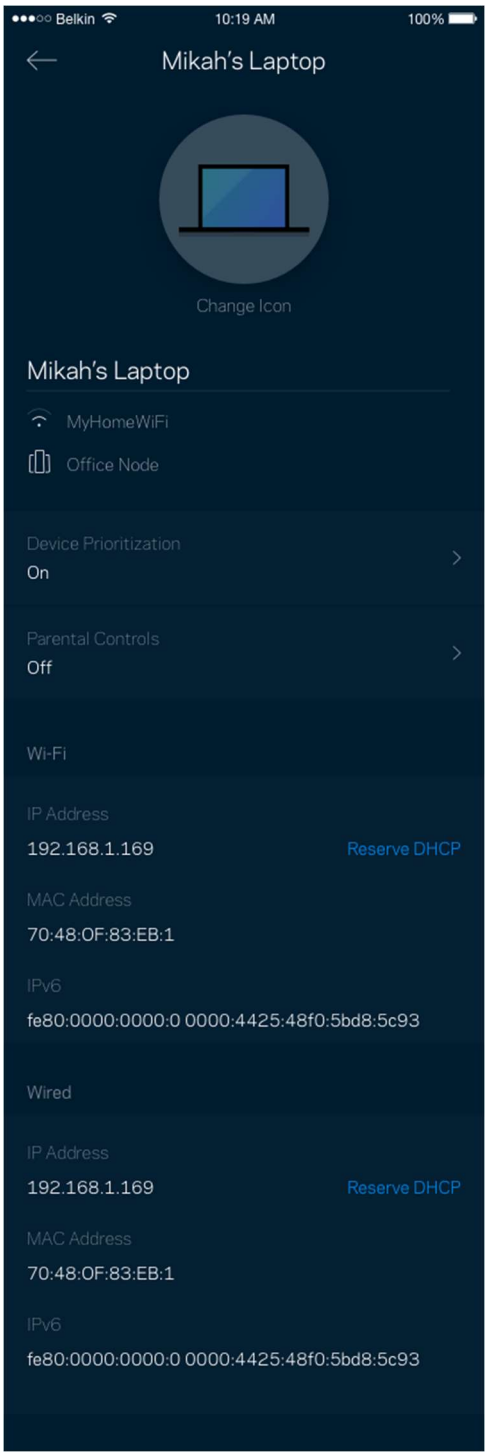
View and change details for all devices connected to your Wi-Fi. You can view devices on your main network and your guest network, or display information about each device.





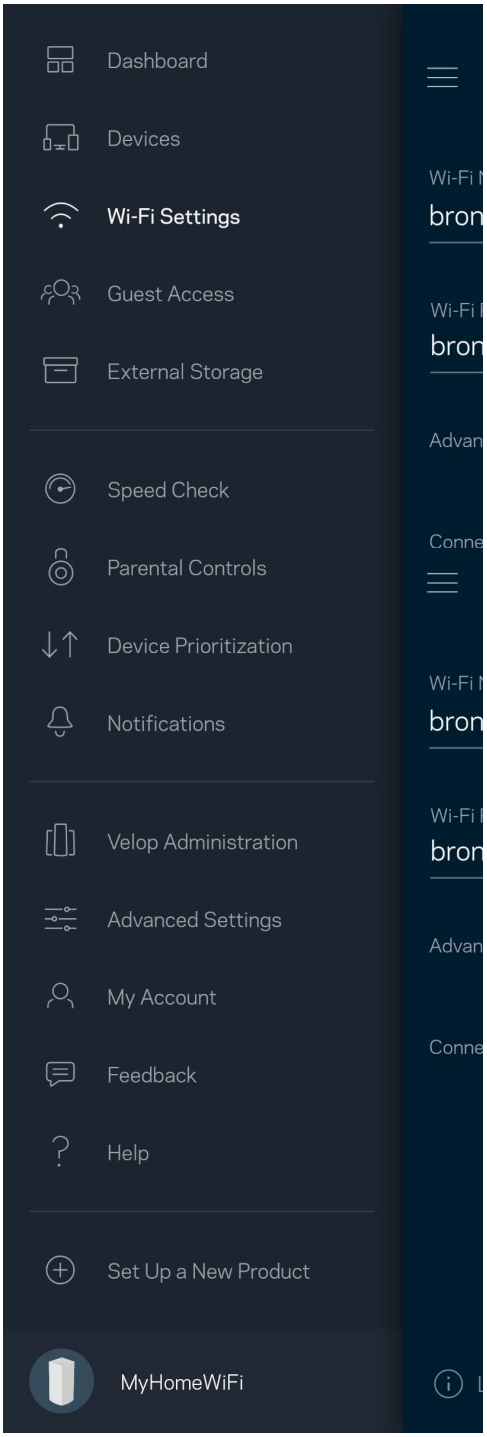
To view or change device details

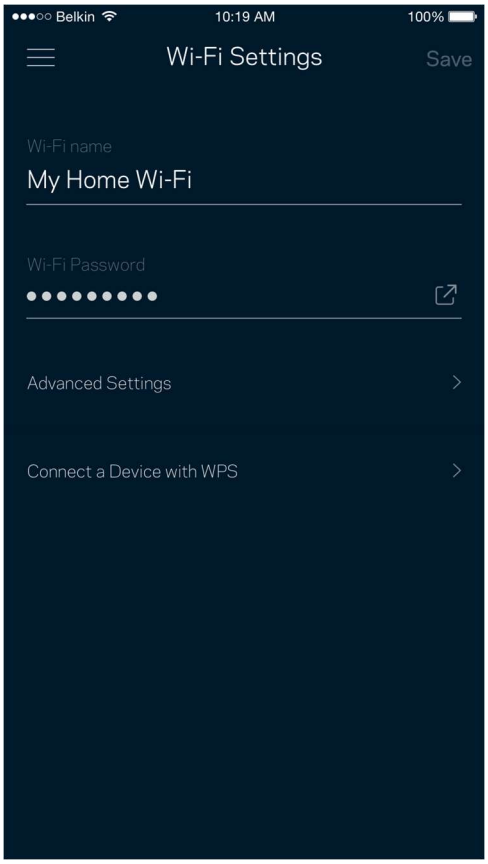
From the Devices screen you can edit device names and change the device icons. You also can prioritize devices, set parental controls, and see Wi-Fi details. Tap on any device to see details.



Wi-Fi Settings

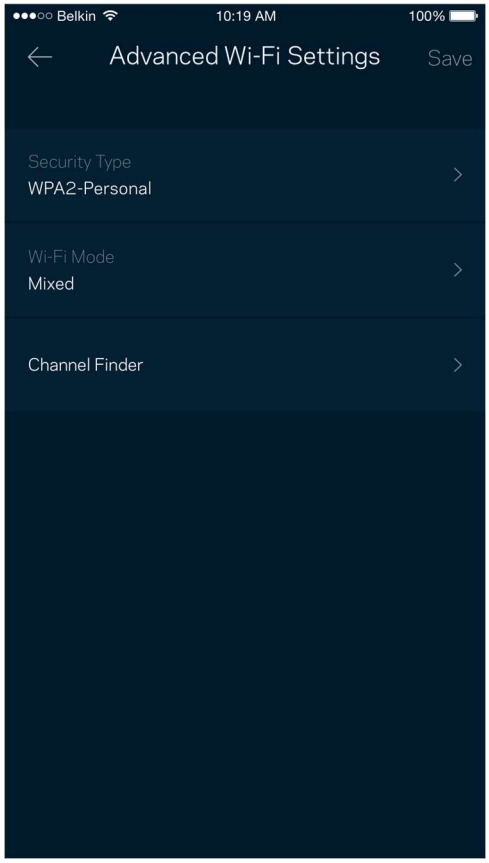
View or change your Wi-Fi name and password and connect devices using Wi-Fi Protected Setup™.

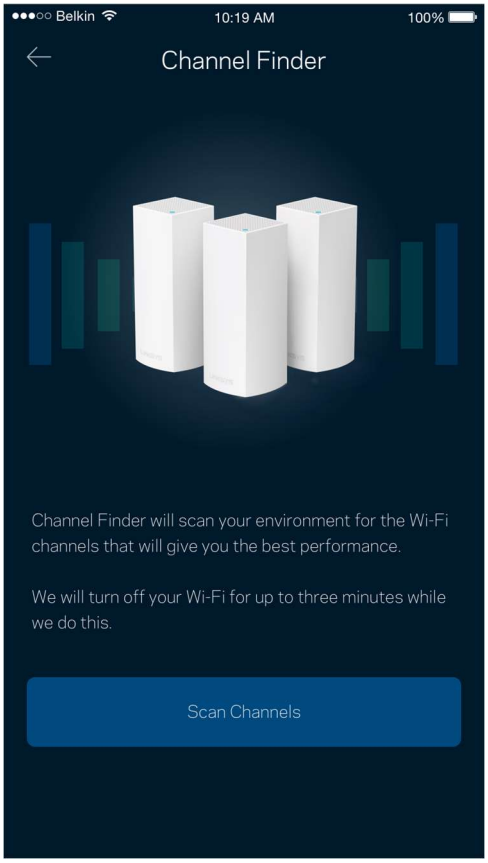

Dashboard
Devices
Wi-Fi Settings
Guest Access
External Storage
Speed Check
Parental Controls
Device Prioritization
Notifications
Velop Administration
Advanced Settings
My Account
Feedback
Help
Set Up a New Product
MyHomeWiFi


Belkin
10:19 AM
100%
Wi-Fi Settings
Save
Wi-Fi name
My Home Wi-Fi
Wi-Fi Password
Advanced Settings
Connect a Device with WPS

Advanced Settings

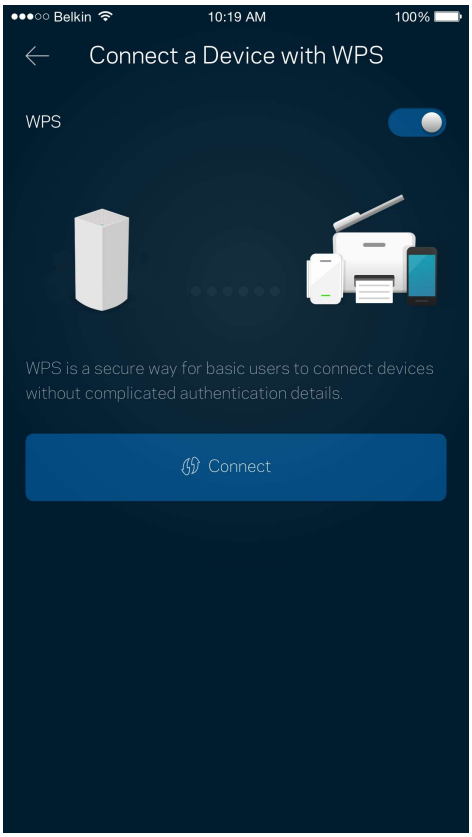
Advanced users can change the default security type and Wi-Fi mode. Do not change these unless you have a lot of experience with Wi-Fi networks. Channel Finder will search for the most-open Wi-Fi channels in your area to ensure you get the best performance from your Velop system. If you have more than one node in your Velop system, Channel Finder will find the best channel for each node.





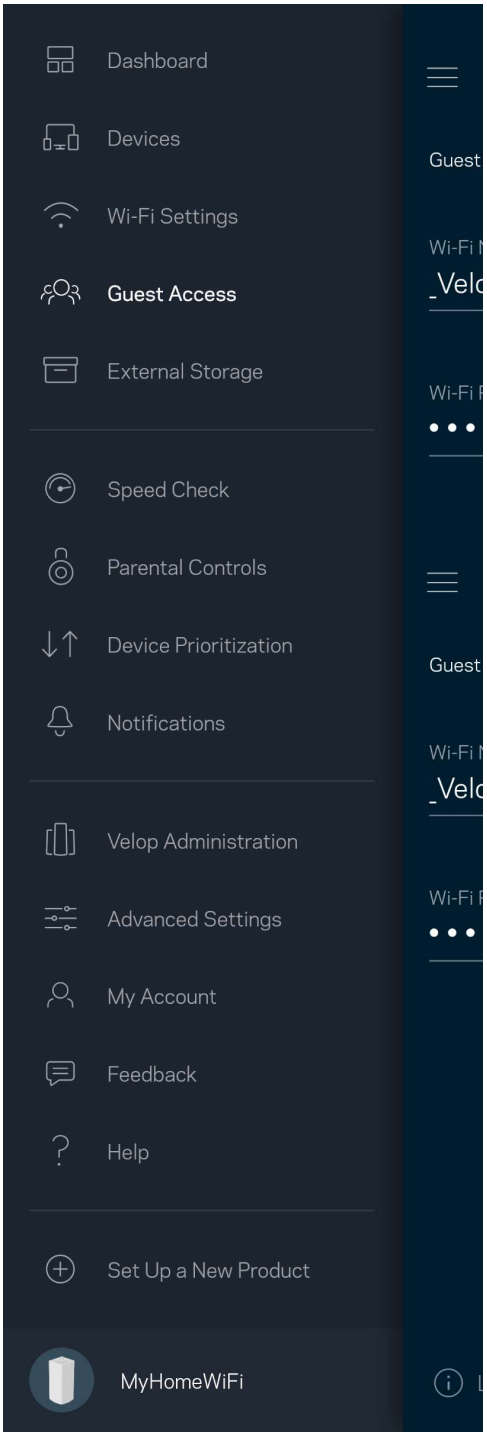
Connect a Device with WPS

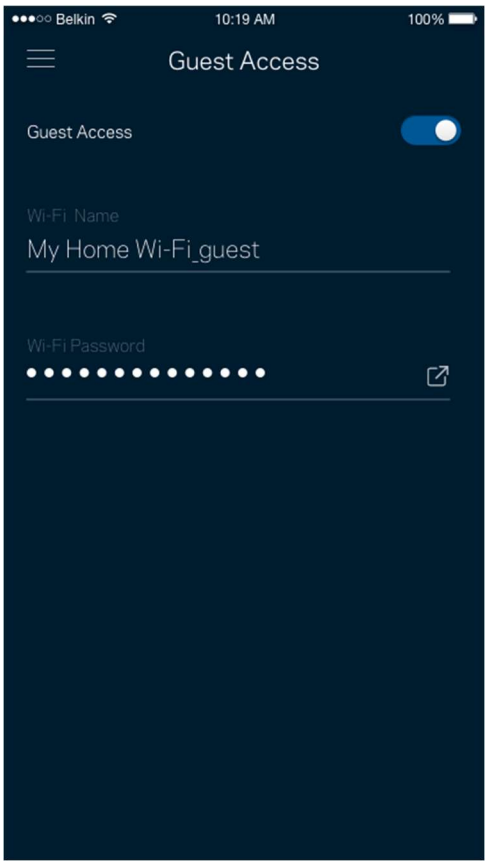
Wi-Fi Protected Setup allows you to easily connect wireless devices to your Wi-Fi without manually entering security settings.



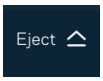
Guest Access

Use your Guest Access to allow guests to get online while restricting their access to other resources connected to your Wi-Fi. Send the password by text message or email.

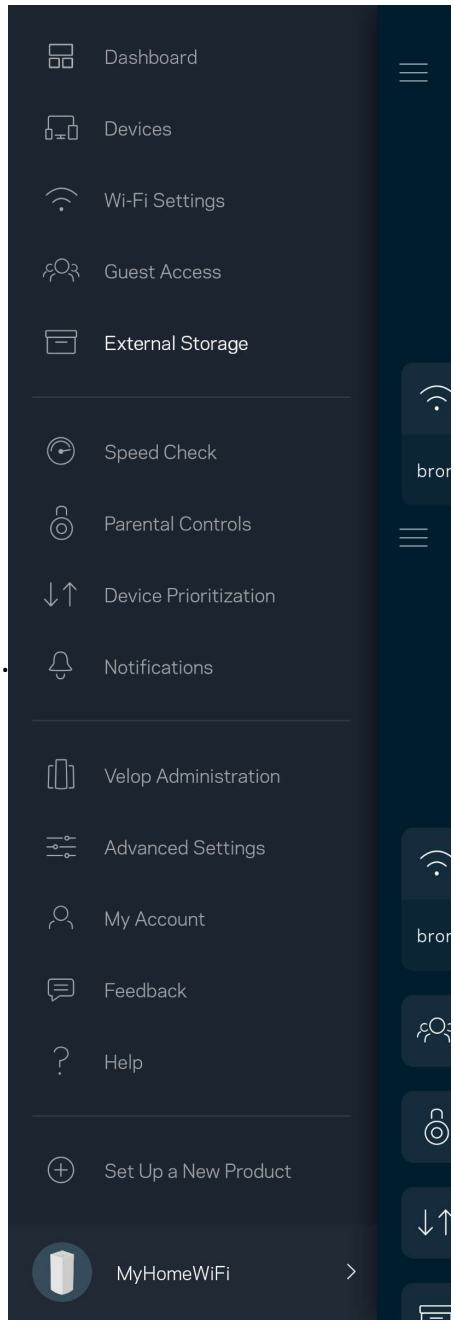


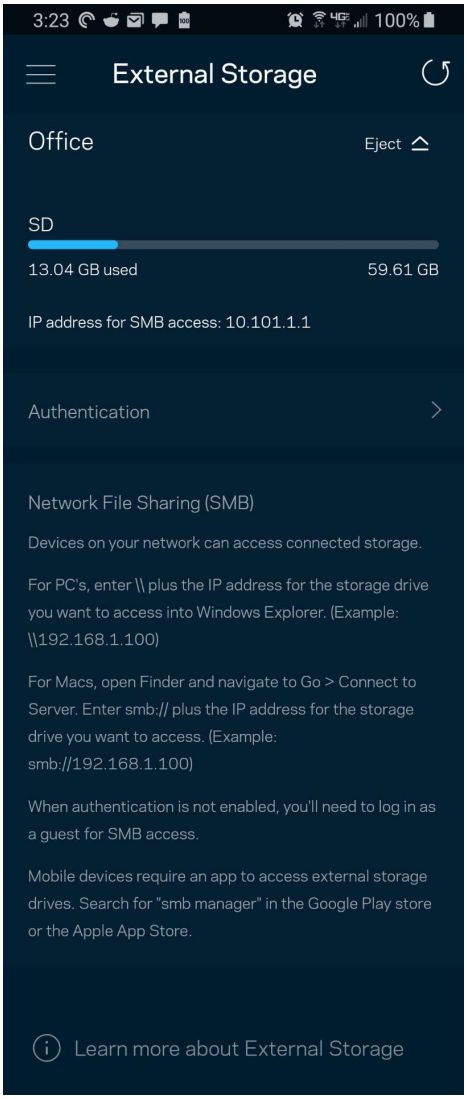


External Storage

See which node an external drive is connected to, check the amount of free space left, and enable authentication by setting a username and password. (Only when a drive is plugged in to a node's USB port.) Be sure to tap Eject 

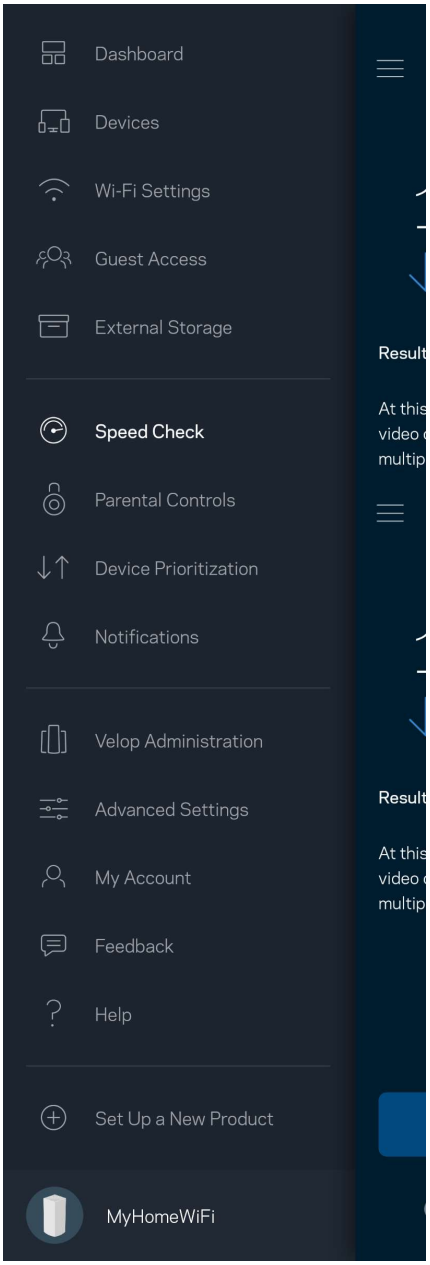
before removing a drive to avoid losing data.

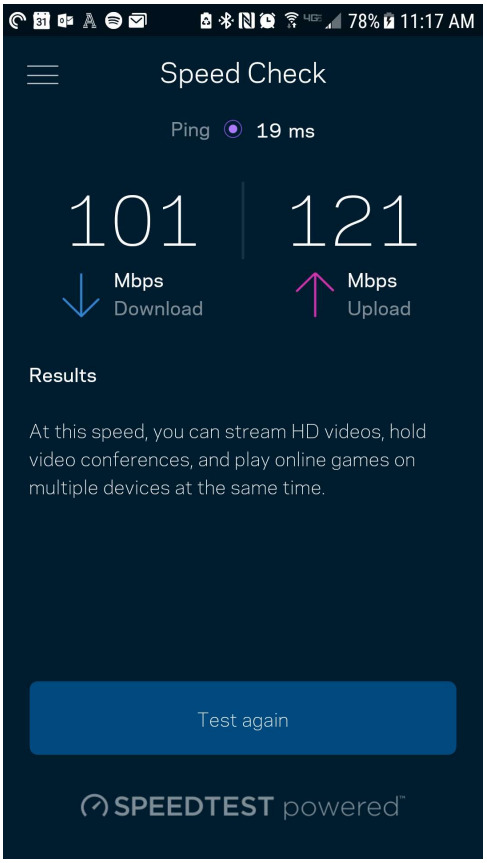



3:23
100%
External Storage
Office
Eject
SD
13.04 GB used
59.61 GB
IP address for SMB access: 10.101.1.1
Authentication
Network File Sharing (SMB)
Devices on your network can access connected storage.
For PC's, enter \\ plus the IP address for the storage drive you want to access into Windows Explorer. (Example: \\192.168.1.100)
For Macs, open Finder and navigate to Go > Connect to Server. Enter smb:// plus the IP address for the storage drive you want to access. (Example: smb://192.168.1.100)
When authentication is not enabled, you'll need to log in as a guest for SMB access.
Mobile devices require an app to access external storage drives. Search for "smb manager" in the Google Play store or the Apple App Store.
Learn more about External Storage

Speed Check

Run a speed check to make sure you are getting the speeds you are paying for. Speed check also helps in Device Prioritization because results determine how Wi-Fi is distributed to the prioritized devices.



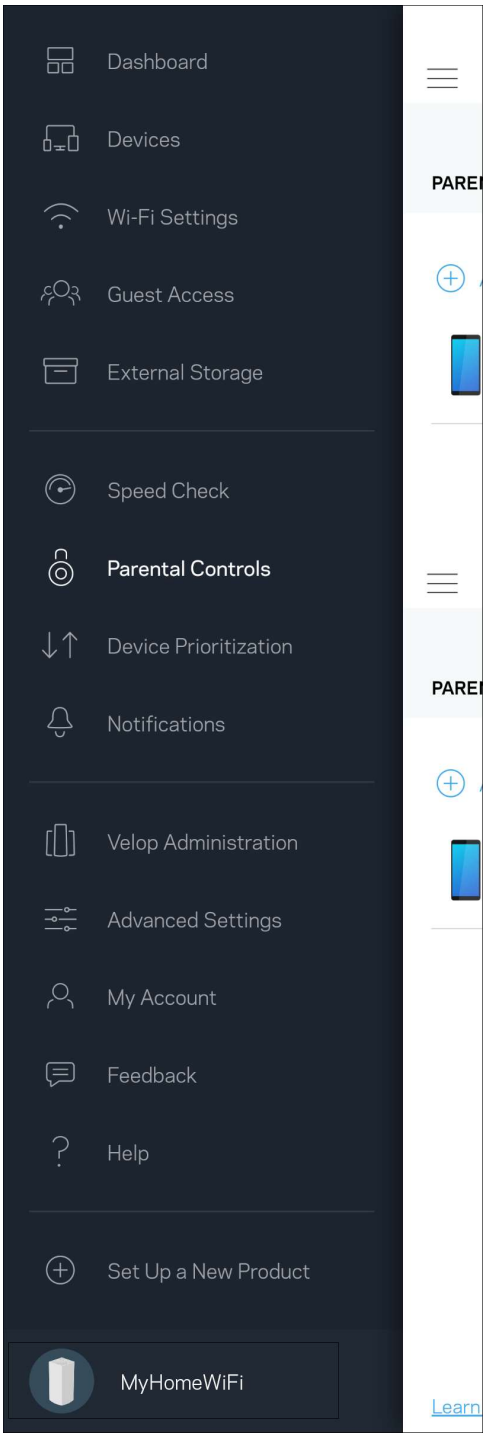


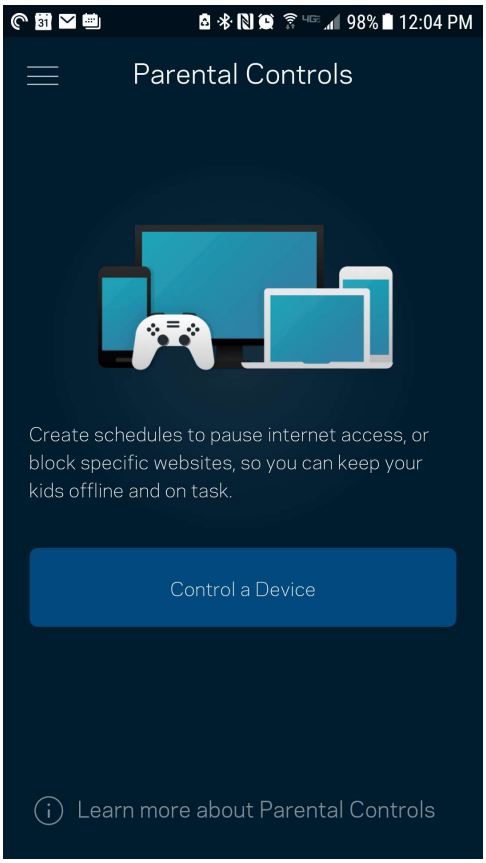
- Download speed is the rate at which internet content is transferred to your Velop system.
- Upload speed is the rate at which you can upload content to the internet.

Note—Internet connection speeds are determined by a variety of factors, including ISP account type, local and worldwide internet traffic, and number of devices in your home that are sharing the internet connection.

Parental Controls

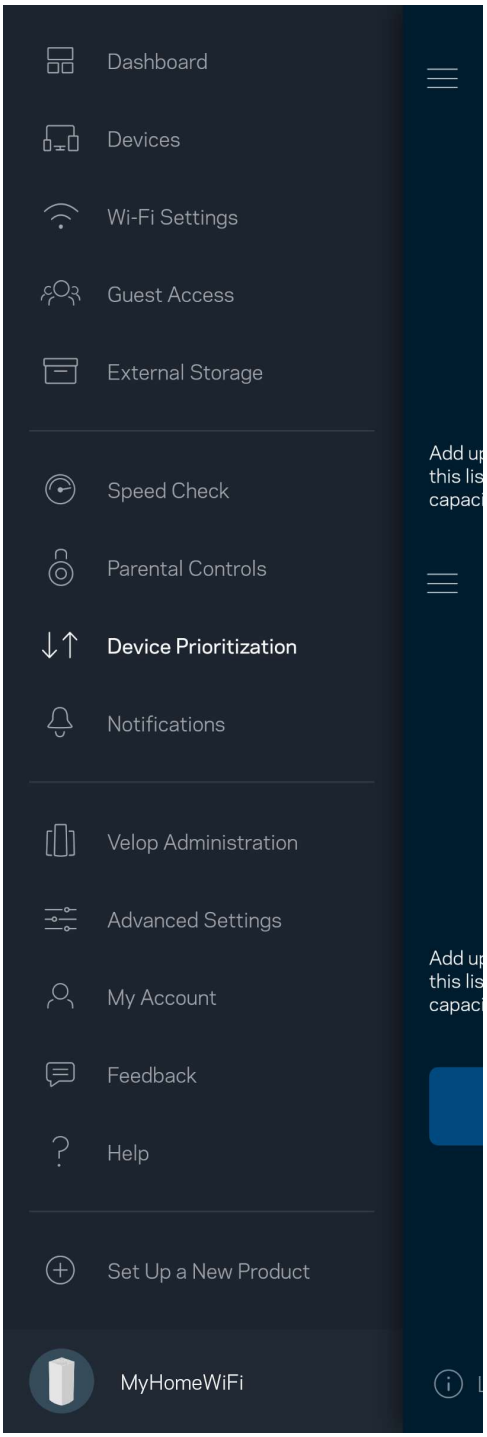
Parental controls allow you to control when your kids are online and what they're doing there. Pause internet to specific devices, or block specific websites.

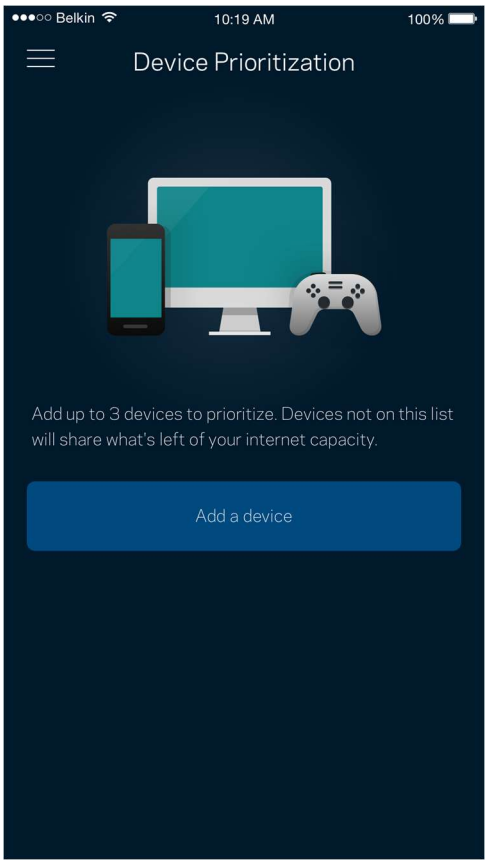




Device Prioritization

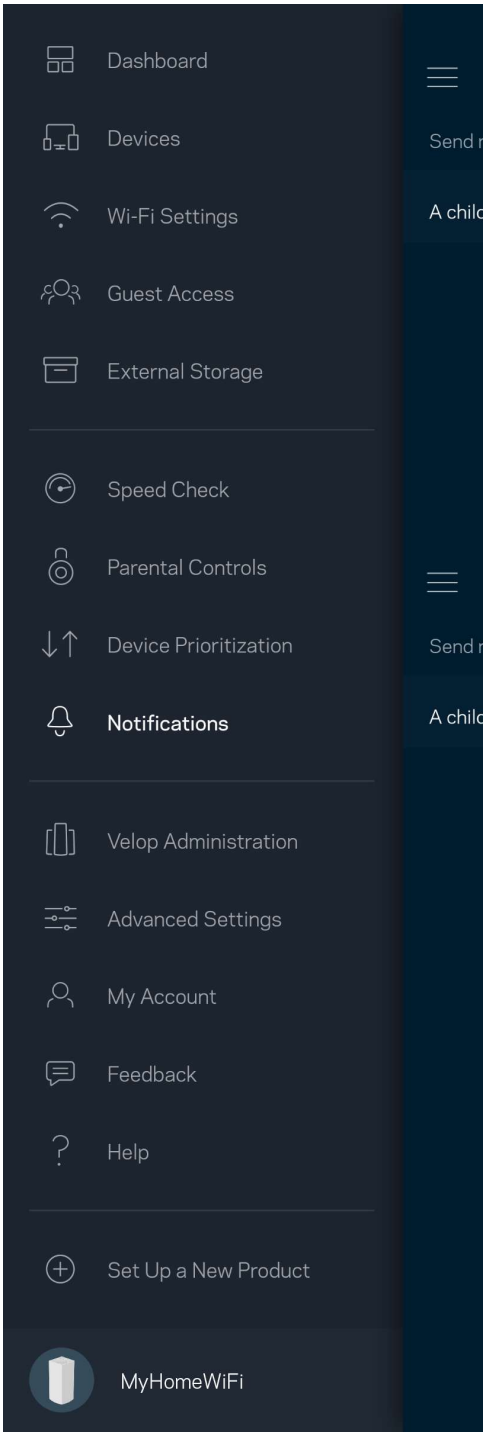
Choose up to three devices for priority usage of your internet connection. Those devices – wired and/or wireless – always will have the best access when connected. Velop runs a speed check to determine how to best distribute Wi-Fi to prioritized devices. Other devices will share the leftover capacity. Prioritized devices appear on Dashboard.

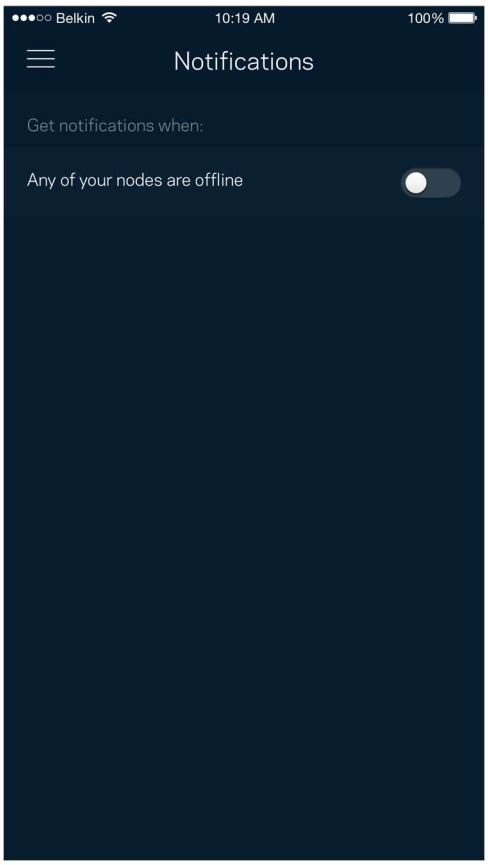




Notifications

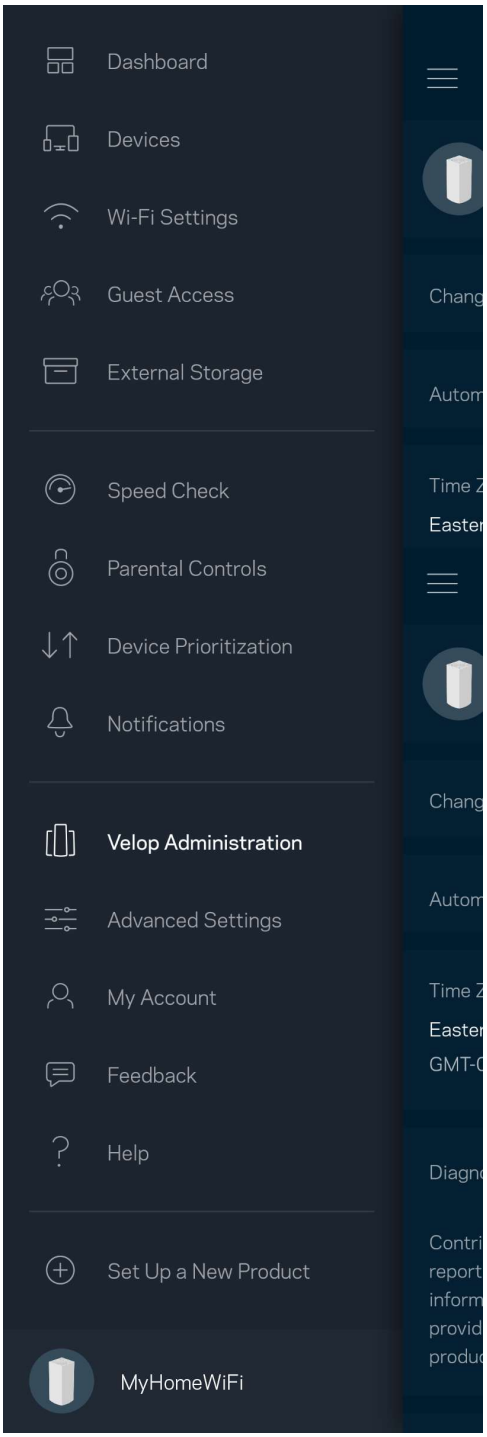
If you have more than one node, Velop can notify you when secondary nodes in your system go offline. Secondary nodes are any that are not wired to your modem. You have to turn on notifications in your mobile device settings to allow Velop to notify you.

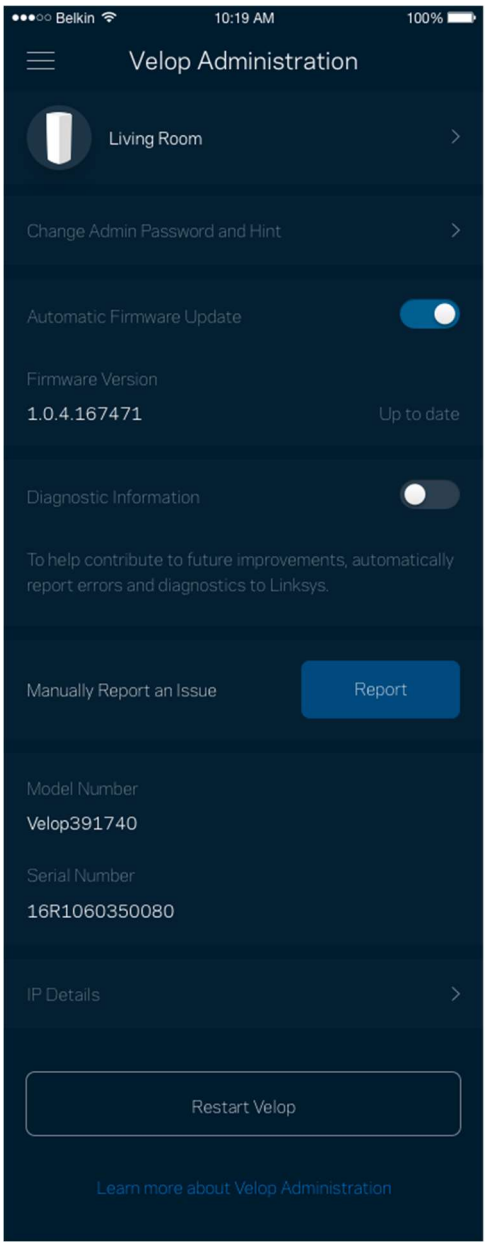




Velop Administration

Use the Velop Administration screen to change the admin password and hint, and check various identifiers (model number, serial number, and IP details) for all nodes in your Wi-Fi.





Opt in to automatically report crashes to Linksys and contribute to improving the Wi-Fi experience. You also can manually report specific issues to Linksys.

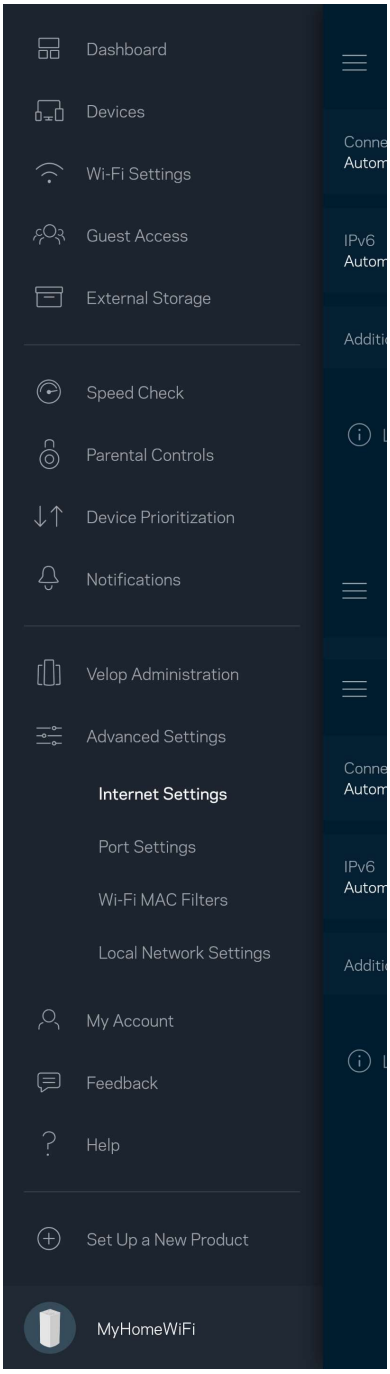
The following information will be sent with your description of the issue:

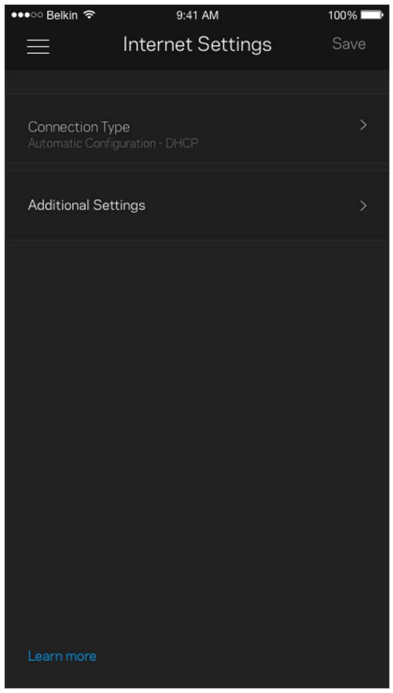
• App version	• Login Type (*cloud: show email address associated, local: display "Velop admin"*)
• Device model	• WAN Connection type (display *Wi-Fi or ethernet*)
• Device OS version	• Time: date (*mo/day/year, time, time zone*)

Advanced Settings

Internet Settings

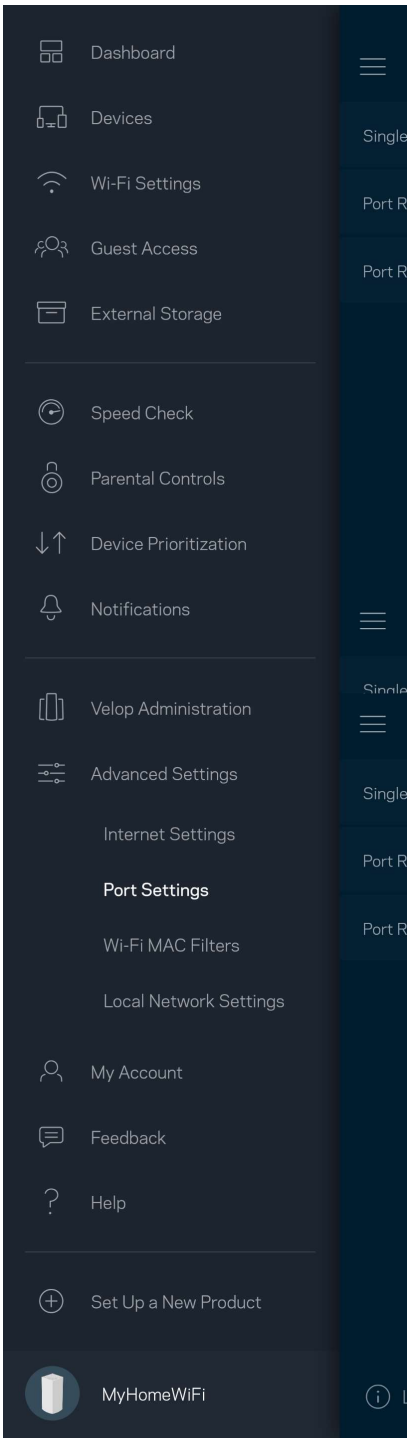
You can choose how your Velop system connects to the internet. The default is Automatic Configuration – DHCP. Other connection types depend on your internet service provider or how you plan to use your Velop system. Advanced users can use Additional Settings to clone MAC addresses and set MTU (maximum transmission unit).

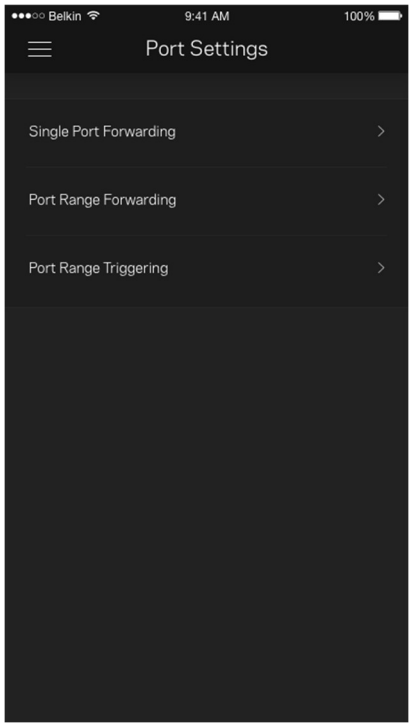




Port Settings

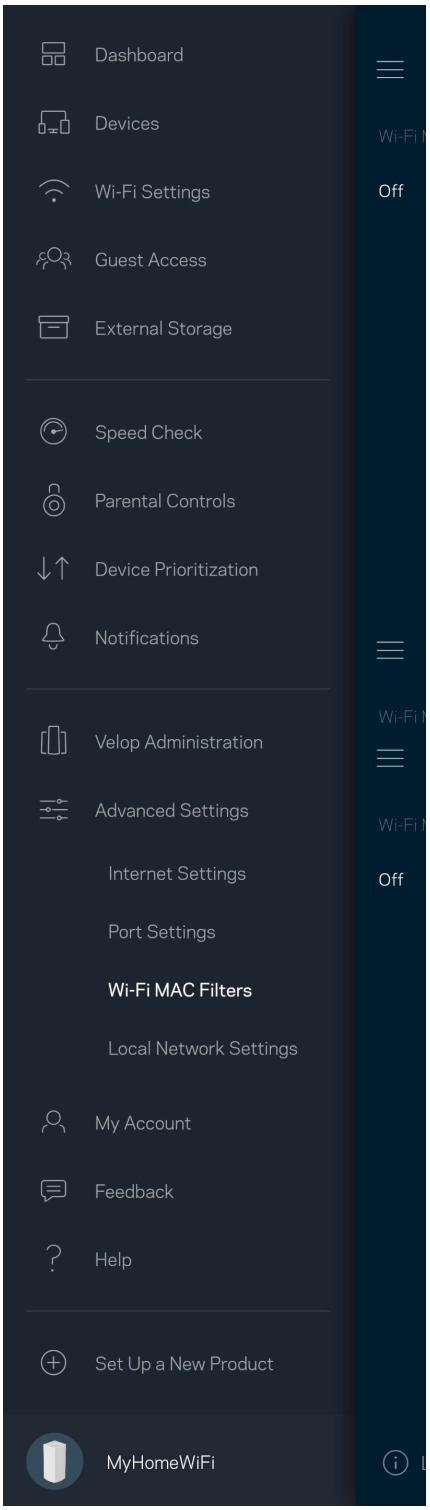
Port forwarding—for a single port, multiple ports or a range of ports—sends traffic inbound on a specific port or ports to a specific device or port on your Wi-Fi. In port range triggering, Velop watches outgoing data for specific port numbers. Velop remembers the IP address of the device that requests the data so that when the requested data returns, it is routed back to the proper device.

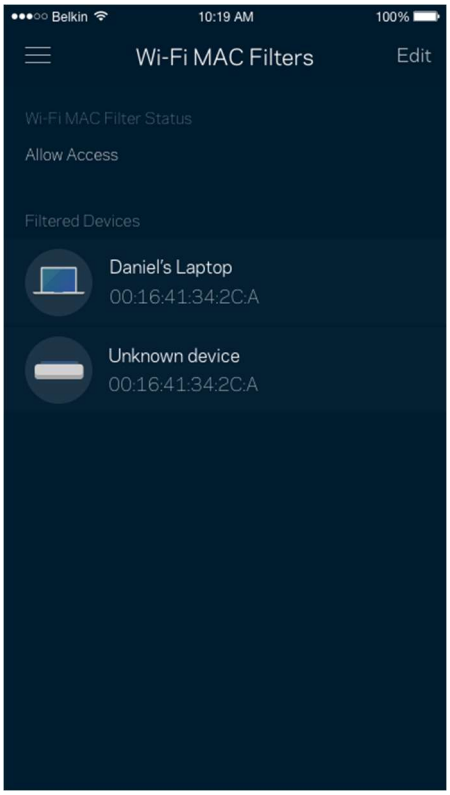




Wi-Fi MAC Filters

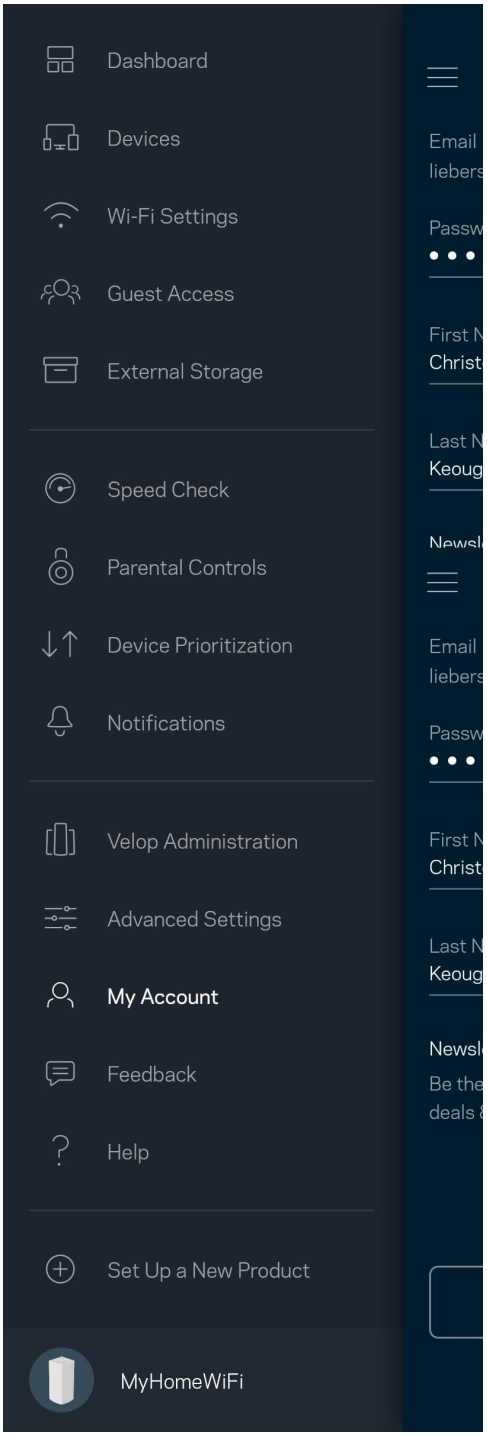
Every network device has a unique 12-digit MAC (media access control) address. You can create a list of MAC addresses and regulate how devices use your Wi-Fi.

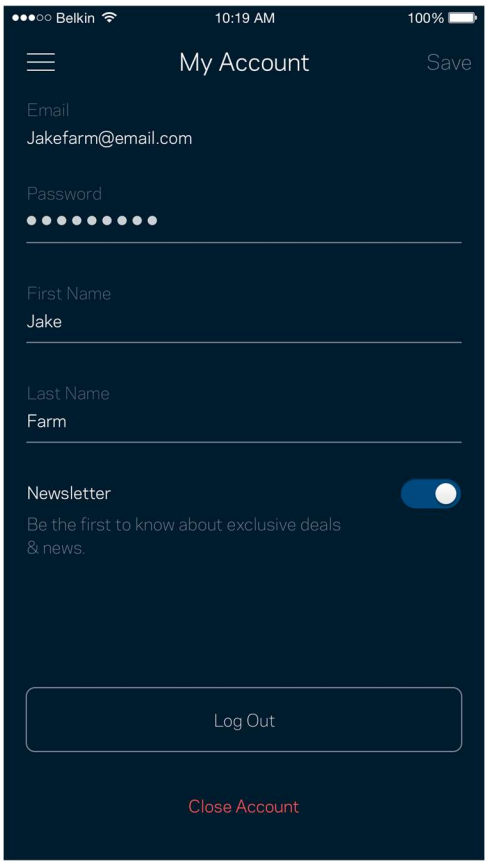




My Account

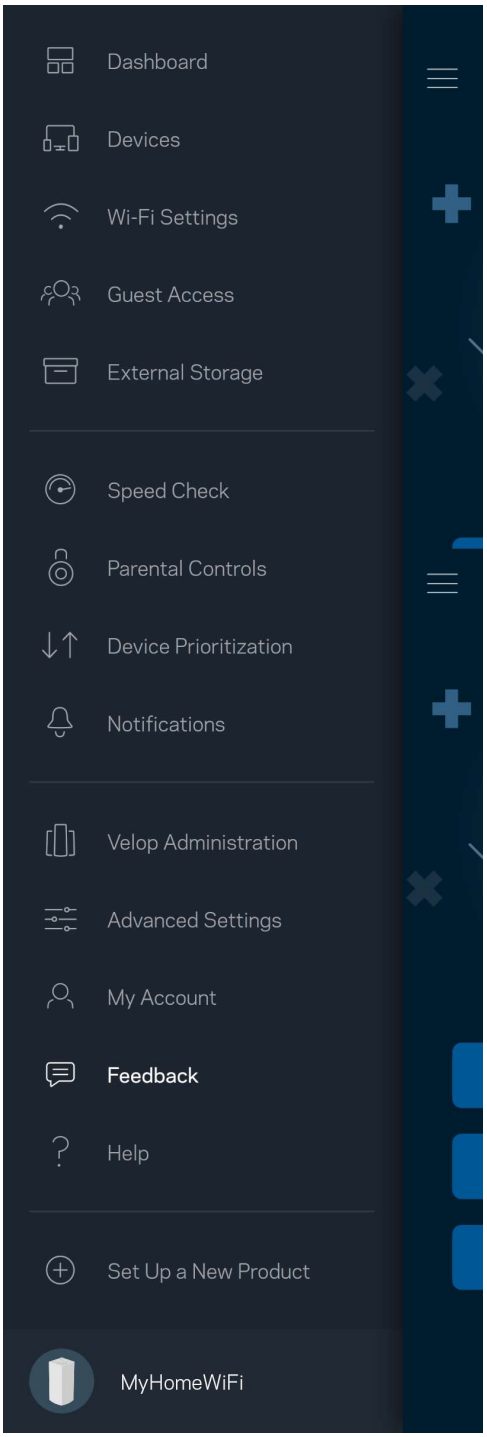
Change your Linksys app password and opt in to receive the latest news and deals from Linksys.





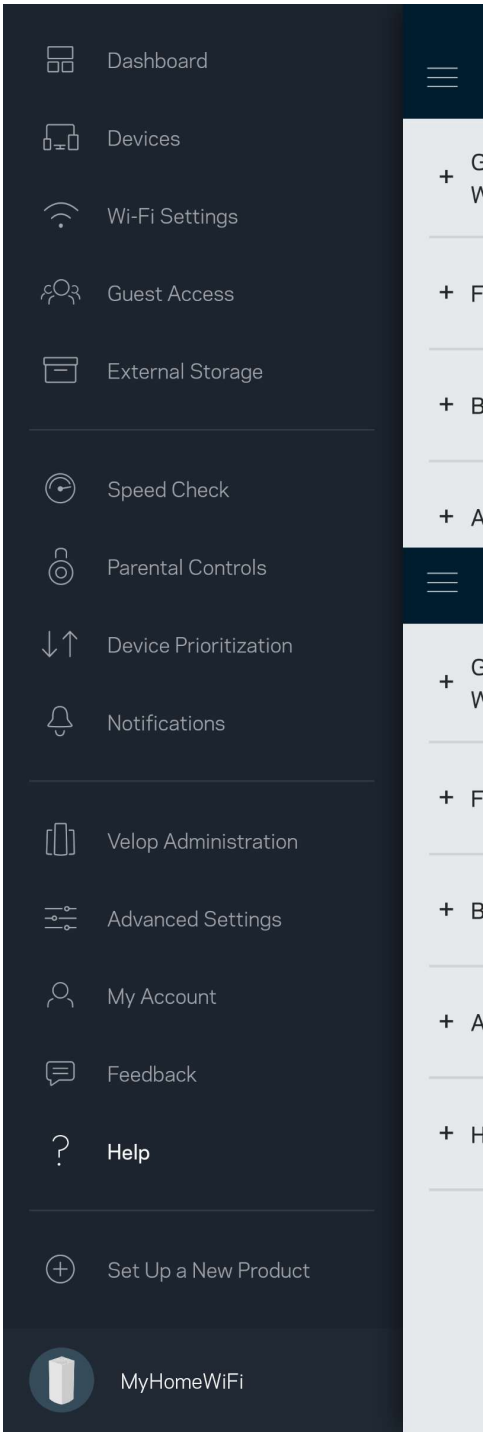
Feedback

Here's your chance to tell us what you think. Rate the app at your app store, send us a suggestion, or report an issue that's keeping you from a great experience.



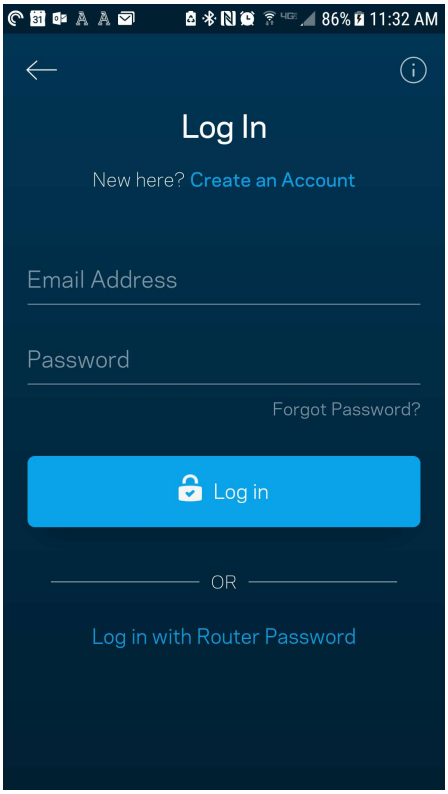
Help

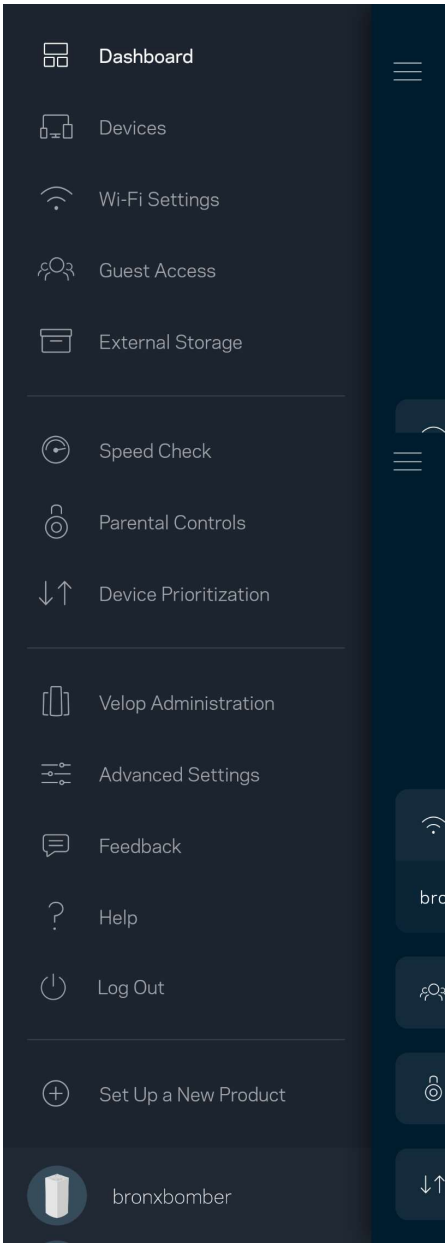
Having trouble with the app? Just need a little more information about a feature? Tap Help for an explanation.



Connect Directly To Velop

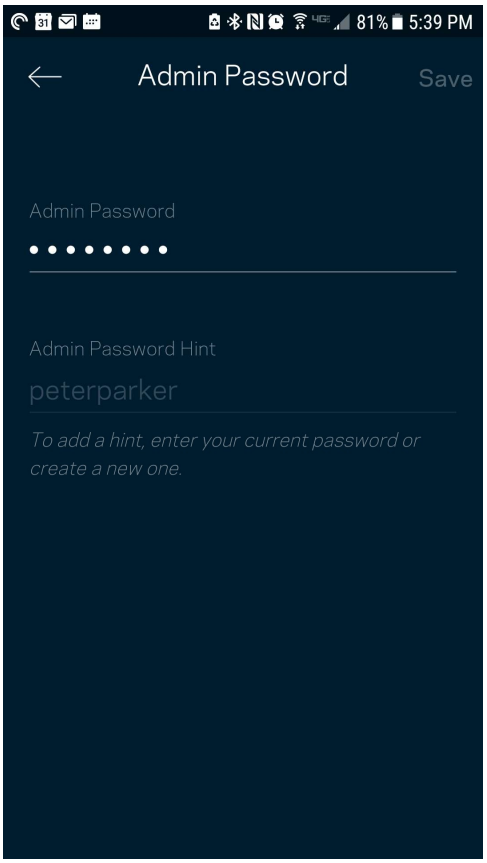
If you are not connected to the internet you still can access your Velop system. Connect to your Wi-Fi name, launch the Linksys app and tap Log in with Router Password toward the bottom of the screen. You will not be able to access your Linksys Wi-Fi account when not online.



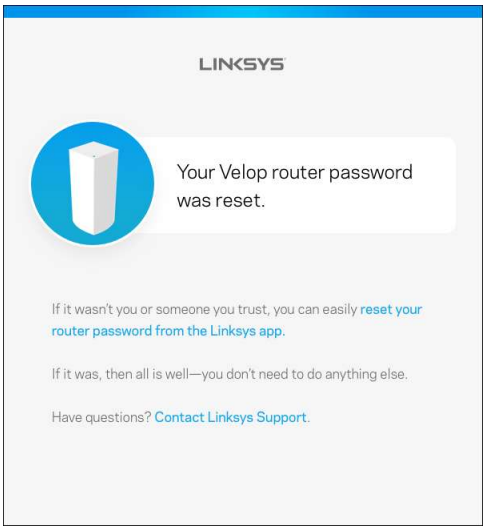


Velop admin password

We created a secure admin password during setup. To change it, tap Velop Administration and Change Velop Password and Hint.



To keep your Velop system secure, we'll send you an email if someone changes the admin password.

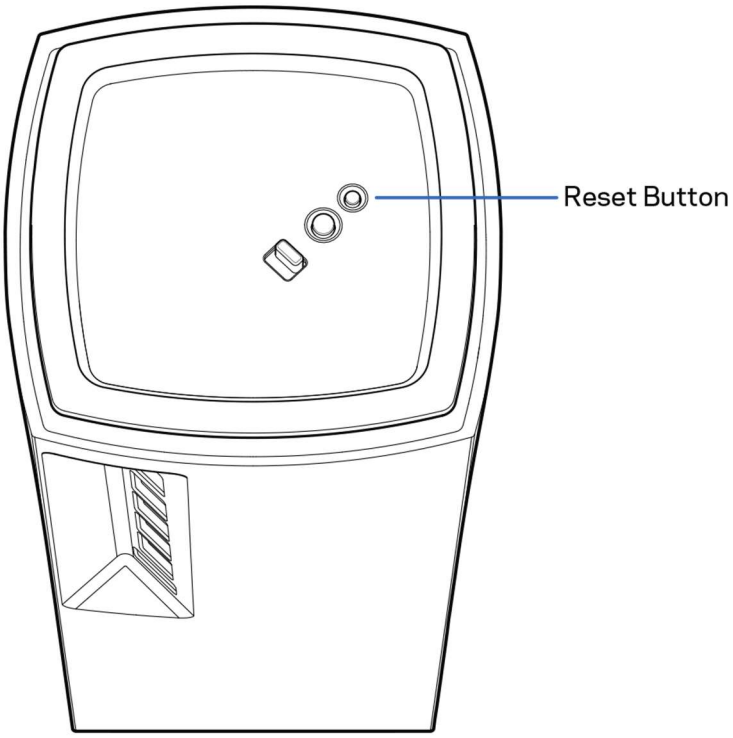


How to restore factory defaults

You should never need to factory reset your Velop—a very disruptive process. A factory reset restores your Velop system to the state it was when you took it out of its box, requiring you to go through the setup process again. All settings you have customized in setup and since – things such as Wi-Fi name, passwords, security type – will be erased. All wireless devices will disconnect from your Wi-Fi.

To reset Velop:

- With your node connected to power and turned on, press and hold the Reset button on the bottom. The light on top of the node will turn red and fade in pulses. Do not release the button until the light goes out and then turns bright red.



Specifications

Linksys Velop

Model Number	MX4200
Switch Port Speed	10/100/1000 Mbps
Radio Frequency	2.4 GHz and 5 GHz

Ports	USB 3.0, ethernet, internet, power
Buttons	Power switch, WPS, reset
Light	One, multicolored light for power and status
Security Features	WPA2-Personal, WPA3-Personal
Security Key Bits	Up to 128-bit encryption

Environmental

Dimensions	3.1 inches x 3.1 inches x 7.3 inches
Unit Weight	1.58 kg (3.48 lb)
Power	12V, 4A
Certifications	FCC, IC, CE, Wi-Fi (IEEE 802.11a/b/g/n/ac, draft 802.11ax)
Operating Temp.	32° to 104° F (0 to 40° C)
Storage Temp.	-4° to 140° F (-20 to 60° C)
Operating Humidity	10% to 80% relative humidity, non-condensing
Storage Humidity	5% to 90% non-condensing

Notes:

For regulatory, warranty, and safety information, go to Linksys.com/support/Velop.

Specifications are subject to change without notice.

Maximum performance derived from IEEE Standard 802.11 specifications. Actual performance can vary, including lower wireless network capacity, data throughput rate, range and coverage. Performance depends on many factors, conditions and variables, including distance from the access point, volume of network traffic, building materials and construction, operating system used, mix of wireless products used, interference and other adverse conditions.

Visit linksys.com/support/Velop for award-winning technical support.

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