




technicolor OWM0131 EasyMesh Wi-Fi 6 Gateway User Guide

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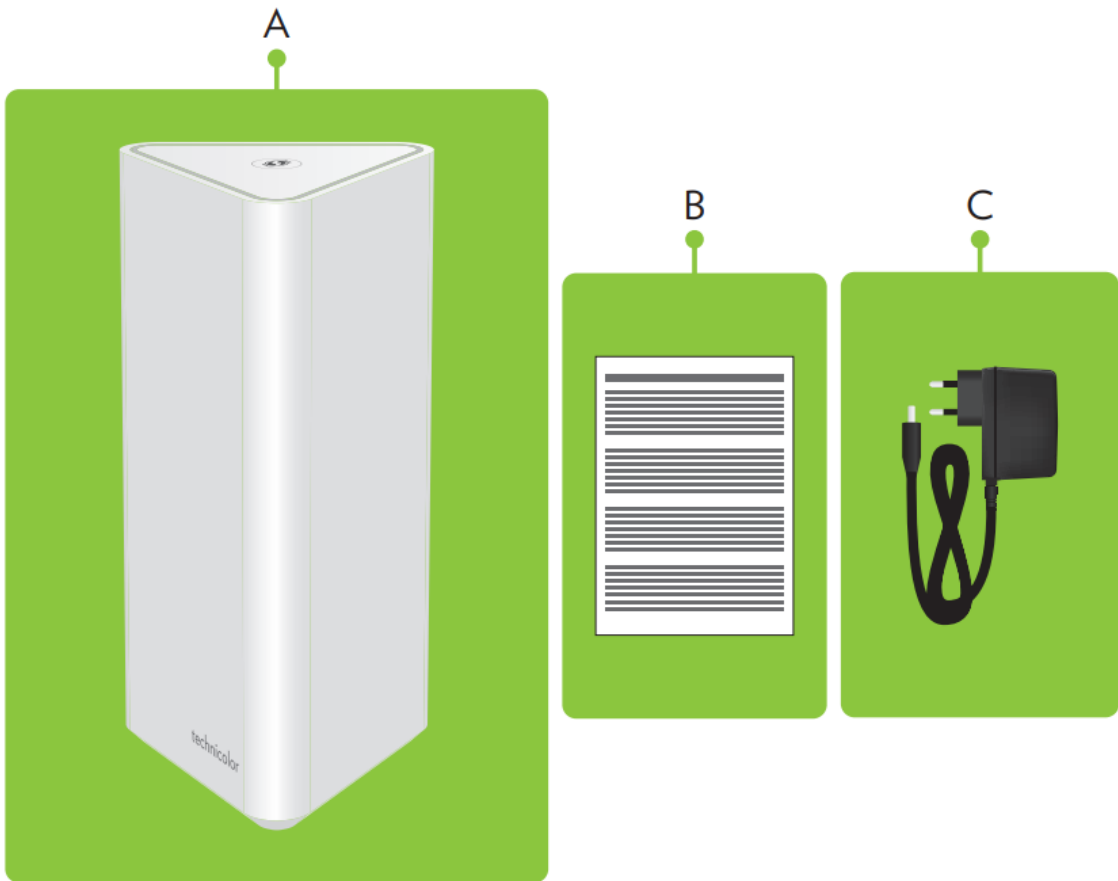
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Before you start

- Carefully read the Safety Instructions and Regulatory Notices document included in your package before continuing with the installation of your OWM0131.
- Do not make any connections until instructed to do so!

Check the content of your box

Your package contains the following items:



Item	Description
A	One OWM0131.
B	User Documentation (this Quick Setup Guide, Safety Instructions & Regulatory Notices...). Other additional documents may be included.
C	One power supply adapter.
D	One Wall Mount.

About the OWM0131

3.1. Wi-Fi

Wi-Fi general

The OWM0131 is equipped with:

- One 5 GHz Wi-Fi 6 (IEEE802.11ax) interface that provides superior transfer rates and is less sensitive to interference. When the OWM0131 is used in a Wi-Fi EasyMesh configuration, this interface is primarily used for backhaul connections to the Gateway or to another OWM0131
- One 2.4 GHz Wi-Fi 6 (IEEE802.11ax) interface which allows you to connect Wi-Fi devices.

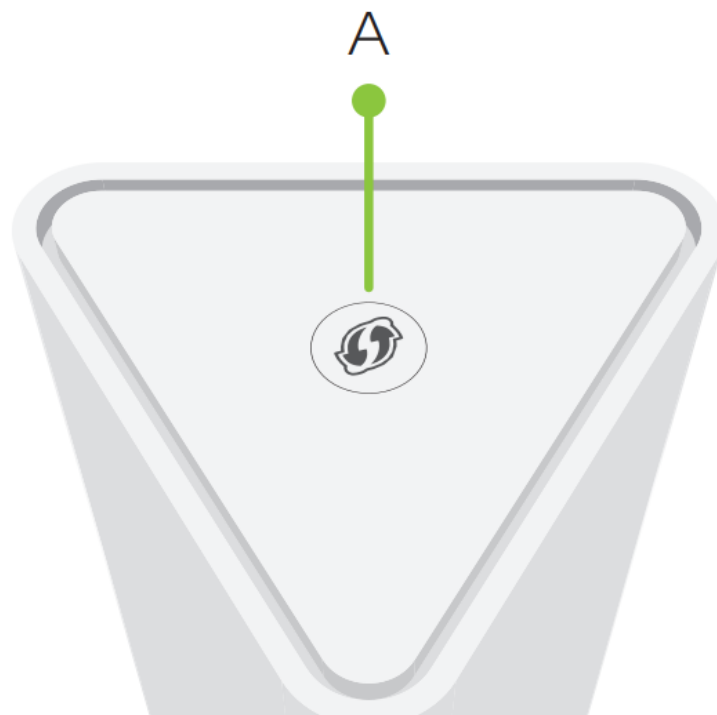
Wi-Fi 6

Enabled with the latest Wi-Fi 6 technology, the OWM0131 offers ultimate wireless networking by improving latency, providing faster throughputs, better performance and optimal link stability in your local network.


EasyMesh

The OWM0131 supports EasyMesh (as an EasyMesh Agent or controller) that allows you to experience the ultimate in- Wi-Fi experience by creating a unified intelligent Wi-Fi environment throughout the space using multiple EasyMesh-enabled access points.


3.2. Top panel



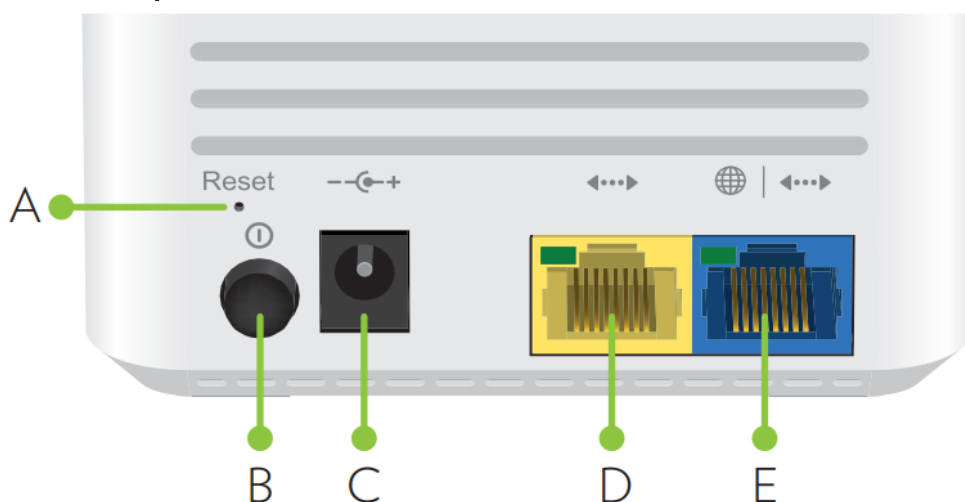
WPS button and Status LED (item A)

The WPS button with integrated Status LED () on the top panel of your OWM0131 is used to pair the OWM0131 with other Wi-Fi devices and informs you about the status of your OWM0131.



If the Status LED () of your OWM0131 is flashing green, your OWM0131 is updating its software. In this case, wait until the LED becomes slowly blinking yellow, or solid green, yellow or red. This can take several minutes! Do not power off your gateway or unplug any cables!

3.3. Back panel and bottom product label



Reset button (item A)

When the OWM0131 is powered on and you press the Reset button you can restart or reset it. For more information, see “5.8. How to repair an unresponsive Wi-Fi extender” on page 12.

Power button (item B)

The power button allows you to power the OWM0131 on or off .

Power port (item C)

The power port allows you to connect the power supply.

Warning: Only use the power supply delivered with your OWM0131.

Ethernet LAN port (item D)

The Ethernet LAN port allows you to connect an Ethernet device (for example a set-top box, a NAS drive).

Ethernet WAN/LAN port (item E)

The Ethernet WAN port allows you to connect your OWM0131 to the Internet gateway. If free, you can also use it as a second Ethernet LAN port.

Product label (bottom of your product)

The product label contains:

- the default network name and wireless key of the OWM0131.
- the access key to configure the OWM0131 via its GUI.

Set up

The OWM0131 can be used:

- **As a wired Wi-Fi 6 network enabler.**

You will use this scenario in case your Internet gateway and/or network has no Wi-Fi, or Wi-Fi capabilities without Wi-Fi 6. For this scenario, see “4.1. Wired Wi-Fi 6 network enabler” on page 4.

- **As a wireless Wi-Fi 6 network enabler.**

You will use this scenario in case your Internet gateway and/or network has Wi-Fi, but no Wi-Fi 6 and/or EasyMesh. For this scenario, see “4.2. Wireless Wi-Fi 6 network enabler” on page 5.

- **As an EasyMesh network extender.**

You will use this scenario in case you want to extend your existing EasyMesh Wi-Fi network with additional coverage using the OWM0131.

In such environment your Internet gateway or another Wi-Fi device is already operating as the Wi-Fi EasyMesh controller.

For this scenario, see “4.3. EasyMesh network extender” on page 6.



To join an existing EasyMesh network, you must first enable EasyMesh on your OWM0131 via its GUI.

For more information, see “5.7. Configure your Wi-Fi extender to your needs” on page 11.

4.1. Wired Wi-Fi 6 network enabler






This scenario allows you to add Wi-Fi 6 coverage using the OWM0131.



You will connect the OWM0131 to your Internet gateway either:

- Directly using an Ethernet cable (not included).
- Indirectly via a powerline adapter or similar.

Step 1: Set up the Wi-Fi extender

1. Use an Ethernet cable (not included). Connect one end of the Ethernet cable to the blue Ethernet WAN () port on the back of your OWM0131. Connect the other end of the Ethernet cable to an Ethernet or LAN port of your Internet gateway.
2. Take the power supply, plug the small end into the power inlet port () of the OWM0131 and then plug the other end into a nearby power outlet.
3. Press the power () button on the back of the OWM0131. The Status LED () will first be solid yellow during startup, then turn solid green. If this is not the case, check the connections you made.
4. Wait until the Status LED () turns solid green before connecting your Wi-Fi devices.

Step 2: Connect your Wi-Fi devices

If your Wi-Fi device:

- Supports WPS, use WPS to pair it with the OWM0131. For more information, see “5.4. Pairing Wi-Fi devices to your OWM0131” on page 10.
- Does not support WPS, configure it with the Wi-Fi network name (SSID) and wireless key that are printed on the product label on the bottom of the OWM0131.

For more information, consult the user documentation of your device.

Step 3: Connect an Ethernet device (optional)





You can use the OWM0131's yellow Ethernet LAN () port to connect an Ethernet device (for example, a Set-Top Box, a NAS drive or computer) to your network.


4.2. Wireless Wi-Fi 6 network enabler

This scenario allows you to add (extra) Wi-Fi 6 coverage using the OWM0131.



Step 1: Set up the Wi-Fi extender

1. Position your OWM0131 half-way between your Internet gateway (or extender) and your Wi-Fi devices.
2. Take the power supply, plug the small end into the power inlet port () of the OWM0131 and then plug the other end into a nearby power outlet.
3. Press the power () button on the back of the OWM0131. The Status LED () will first be solid yellow during startup.
4. Wait until the Status LED () slowly blinks yellow.
5. Pair the OWM0131 with your Internet gateway (or extender) using WPS. For detailed instructions, see “5.2. Pairing the OWM0131 with your Internet gateway” on page 8.

6. Check the link quality via the Status LED () on the OWM0131. If it is:
- Solid green, then link quality is optimal.
 - Solid yellow, then link quality is fair, but not optimal.
 - Solid red, then link quality is bad. It is advised to reposition your OWM0131.
- See “5.6. Optimizing the link quality” on page 11 for more information.

Step 2: Connect your Wi-Fi devices

If your Wi-Fi device:

- Supports WPS, use WPS to pair it with the OWM0131. For more information, see “5.4. Pairing Wi-Fi devices to your OWM0131” on page 10.
- Does not support WPS, configure it with the Wi-Fi network name (SSID) and wireless key that are printed on the product label on the bottom of the OWM0131.

For more information, consult the user documentation of your device.

Step 3: Connect an Ethernet device (optional)

You can use both of the OWM0131's Ethernet ports to connect Ethernet devices (for example, a Set-Top Box, a NAS drive or computer) to your network.

4.3. EasyMesh network extender

This scenario allows you to extend Wi-Fi coverage in your space by retransmitting Wi-Fi messages from your existing Wi-Fi EasyMesh network.








Requirements



Your Internet gateway or another EasyMesh-capable Wi-Fi device must be enabled and configured as the EasyMesh controller.

Step 1: Set up the repeater and onboard to the EasyMesh network

1. Position your OWM0131 half-way between your Internet gateway (or extender) and your Wi-Fi devices.
2. Take the power supply, plug the small end into the power inlet port () of the OWM0131 and then plug the other end into a nearby power outlet.
3. Press the power () button on the back of the OWM0131. The Status LED () will first be solid yellow during startup.
4. Wait until the Status LED () slowly blinks yellow.
5. Enable EasyMesh on your OWM0131 if not done yet. For more information, see “5.7. Configure your Wi-Fi extender to your needs” on page 11.
6. Onboard the OWM0131 to the EasyMesh network using WPS. For detailed instructions, see “5.3. Joining your OWM0131 with an existing EasyMesh network” on page 9.

7. Check the link quality via the Status LED () on the OWM0131. If it is:

Solid green, then link quality is optimal.

Solid yellow, then link quality is fair, but not optimal.

Solid red, then link quality is bad. It is advised to reposition your OWM0131.

See “5.6. Optimizing the link quality” on page 11 for more information.

Step 2: Connect your Wi-Fi devices

Because the OWM0131 now uses the same Wi-Fi settings as the EasyMesh network, Wi-Fi devices that were already connected to your network will also be able to connect to the OWM0131, and vice versa.

Step 3: Connect your Ethernet devices (optional)


You can use both of the OWM0131's Ethernet ports to connect Ethernet devices (for example, a Set-Top Box, a NAS drive or computer) to your network.

4.4. IoT Functions

- The OWM0131 has two IoT radios that support several protocols such as Zigbee, Bluetooth (BLE), Z-wave and Thread.
- The two IoT radios are used to connect sensors and actuators dictated by the applications you plan to use.
- Download the application to your mobile device from the applicable app store (Apple, Google, etc.) or use your favorite Web Browser (Microsoft Edge, Google Chrome, Apple Safari, etc.) to access the Web App for the application you will use. Each application will work with specific sensors to support the functions of the App.
- At first the OWM0131 must be connected to the home or office Wi-Fi network as outlined in the preceding sections either as a stand-alone Access Point or as part of an EasyMesh network.
- After that, your IoT application will start to communicate with the OWM0131 and the integrated IoT radios to connect sensors and actuators.
- Once the sensors and actuators are connected, they will appear in your App and the corresponding functions of the App will begin to work

Tips and tricks

5.1. Making a wired connection between the OWM0131 and your Internet gateway



1. Take Ethernet cable (not included).
2. Connect one end of the Ethernet cable to the blue Ethernet WAN () port on the back of your OWM0131.
3. Connect the other end of the Ethernet cable to an Ethernet or LAN port of your Internet gateway.

5.2. Pairing the OWM0131 with your Internet gateway

Requirements


Make sure your OWM0131 isn't onboarded already to an existing EasyMesh network, or paired with another Internet gateway.


Procedure


1. Briefly press the WPS () button on the OWM0131. The Status LED () on the OWM0131 starts blinking green.
2. Within two minutes, briefly press the WPS button on your Internet gateway (or a Wi-Fi extender connected to

it).

Note: On some Internet gateways you may have to press and hold the WPS button for a few seconds or until its WPS LED starts blinking.

3. After some time the Status LED () on the OWM0131 turns solid green, yellow or red. The Wi-Fi connection is now successfully established.

Note: If the Status LED () is blinking red, go to “5.5. What to do when the Status LED is blinking red?” on page 10 for further instructions.



4. Check the link quality via the Status LED () on the OWM0131. If it is:
Solid green, then link quality is optimal.
Solid yellow, then link quality is fair, but not optimal.
Solid red, then link quality is bad. It is advised to reposition your OWM0131.
See “5.6. Optimizing the link quality” on page 11 for more information.

5.3. Joining your OWM0131 with an existing EasyMesh network

Requirements

Make sure your OWM0131 isn't joined already to an existing EasyMesh network.

Procedure

1. Briefly press the WPS () button on the OWM0131. The Status LED () on the OWM0131 starts blinking green.
2. Within two minutes, briefly press the WPS button on your Internet gateway or any Wi-Fi extender in the EasyMesh network.

Note: On some Internet gateways you may have to press and hold the WPS button for a few seconds or until its WPS LED starts blinking.

3. During EasyMesh onboarding the Status LED () on the OWM0131 goes through (one or more of) the following states:

Flashing green & yellow (1 second each): EasyMesh onboarding started and ongoing.

Flashing green (3 seconds) & yellow (1 seconds): EasyMesh network was found but upstream onboarding ongoing or failing.

Flashing green (1 second) & yellow (3 seconds): No EasyMesh network was found.

Once the Wi-Fi connection is successfully established it will turn solid green, yellow or red.




Note: If the Status LED () is blinking red, go to “5.5. What to do when the Status LED is blinking red?” on page 10 for further instructions.


4. Check the link quality via the Status LED () on the OWM0131. If it is:
 - Solid green, then link quality is optimal.
 - Solid yellow, then link quality is fair, but not optimal.
 - Solid red, then link quality is bad. It is advised to reposition your OWM0131.See “5.6. Optimizing the link quality” on page 11 for more information.

5.4. Pairing Wi-Fi devices to your OWM0131

Connecting your Wi-Fi devices using WPS



1. Briefly press the WPS () button on the OWM0131. The Status LED () on the OWM0131 starts blinking green.
2. Within two minutes, start WPS on your Wi-Fi device. If your Wi-Fi device is:
 - Another Wi-Fi extender, briefly press its WPS button.
 - Another type of device, consult the documentation of your device.
3. After some time the Status LED () on the OWM0131 turns back to its previous solid state (green, yellow or red). The Wi-Fi connection is now successfully established.

Note: If the Status LED () is blinking red, go to “5.5. What to do when the Status LED is blinking red?” on page 10 for further instructions.

5.5. What to do when the Status LED is blinking red?

This indicates that the OWM0131 could not establish a Wi-Fi connection through WPS.
Do the following:

1. Wait until the red blinking LED goes out, then try using WPS again.
2. Turn your OWM0131 slightly and then try again.
3. Obstructions may deteriorate the signal strength. Try to minimize the number of walls between the two devices and then try again.
4. Move the devices closer to each other and then try again.


5.6. Optimizing the link quality

Tips

To achieve optimal link quality:

- Always try to reduce the number of obstacles (especially walls) between your Wi-Fi devices to a minimum.
- Do not place your Wi-Fi devices in the neighbourhood of devices that cause interference (microwave ovens, cordless phones, baby monitors, etc.).
- Use Wi-Fi devices that support and use (multiple) 5 GHz Wi-Fi.

Status LED

If the OWM0131 has a Wi-Fi connection to an Internet gateway, extender or repeater (with or without EasyMesh), the Status LED () will provide information about the quality of the link between them.

If the Status LED () is:

- Solid green: then the link quality is optimal. No further actions are needed.
- Solid yellow: then the link quality is fair, but not optimal. Change the position of the OWM0131 until the LED turns green.
- Solid red: then the link quality is bad. Change the position of the OWM0131 until the LED turns green or at least orange.

Repositioning the OWM0131 for better link quality

First try to improve the link quality without unplugging the power supply:

1. Reposition the OWM0131 to avoid obstacles, like walls, furniture and TV screens, between the OWM0131 and your access point.
2. Wait 15 seconds to allow the OWM0131 to re-evaluate the link quality.

If the link quality did not improve:

- 1 Unplug the power supply and move the OWM0131 closer to your access point, or to a place with less obstacles between the OWM0131 and your access point.
- 2 Plug in the power supply and wait two minutes to allow the OWM0131 to start up all services and evaluate the link quality.

5.7. Configure your Wi-Fi extender to your needs

Accessing the OWM0131 web interface

The Wi-Fi extender web interface allows you to configure your Wi-Fi extender using your web browser. To access the Wi-Fi extender web user interface:

1. Check the IP address of your OWM0131. If your OWM0131:
 - Is connected to your network (either wired or via Wi-Fi), browse to the web interface of your gateway to check the IP address of the OWM0131.
 - Not connected to your network, the default IP address of the OWM0131 is 192.168.1.2.
2. Browse to the OWM0131's IP address found (or <http://192.168.1.2>) on a computer or device that is currently connected to your Wi-Fi extender (either wired or over Wi-Fi).
3. The Wi-Fi extender web interface appears. By default, you are logged in as guest. This means that some items are hidden. To view all items, click Sign In and enter admin as user name and the ACCESS KEY printed on the label of your Wi-Fi extender as password.
Note: If this is the first time that you sign in, the OWM0131 may offer you to change your password.
4. The Wi-Fi extender web interface appears with all settings available.

Configuring Easy Mesh

To use EasyMesh you must first enable it on your OWM0131. To enable EasyMesh:

1. Browse to the Wi-Fi extender web user interface and login as the user admin (for more information, see "Accessing the OWM0131 web interface" on page 11).
2. To open the EasyMesh page, click the EasyMesh card header.
3. On the EasyMesh page, you can see whether EasyMesh is enabled on your Wi-Fi extender or not. If the switch is set to:



then the EasyMesh agent is enabled. Clicking the switch will disable EasyMesh on your Wi-Fi extender.



then the EasyMesh agent is disabled. Clicking the switch will enable your broadband interface.

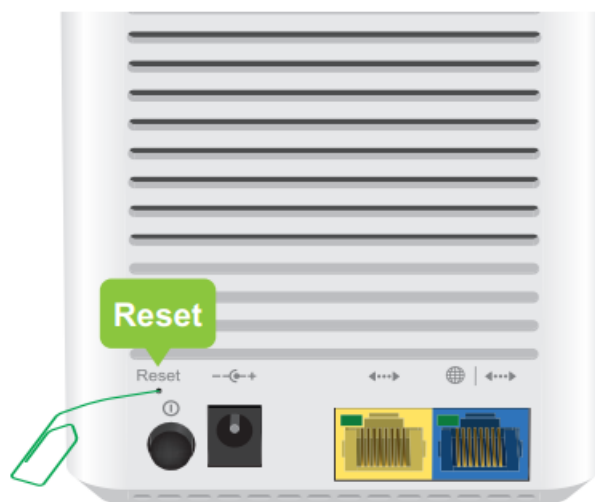
5.8. How to repair an unresponsive Wi-Fi extender

If at some point your Wi-Fi extender becomes unresponsive you can:

- Force it to restart: After restarting the OWM0131 will return to normal operation with its last known working condition and configuration.
- Reset it to factory defaults: The OWM0131 restarts with the factory default configuration. None of the Wi-Fi and EasyMesh settings, nor other configuration changes you made to the OWM0131 are preserved.

Proceed as follows:

1. Make sure that your Wi-Fi extender is turned on.
2. Use a pen or an unfolded paperclip to push the recessed Reset button on your Wi-Fi extender:
 - shortly (less than 5 seconds) and then release it to force it to restart.
 - for at least 10 seconds and then release it to reset it to factory defaults.



3. Your Wi-Fi extender restarts..

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Specifications subject to change without notice.

DMS3-QIG-25-715 v1.0



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Documents / Resources

	<p>technicolor OWM0131 EasyMesh Wi-Fi 6 Gateway [pdf] User Guide</p> <p>OWM0131 EasyMesh Wi-Fi 6 Gateway, OWM0131, EasyMesh Wi-Fi 6 Gateway, Wi-Fi 6 Gateway, 6 Gateway, Gateway</p>
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References

-  [Technicolor Home Page](#)

Manuals+.