technicolor

OWA3111

QUICK SETUP GUIDE

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1. E

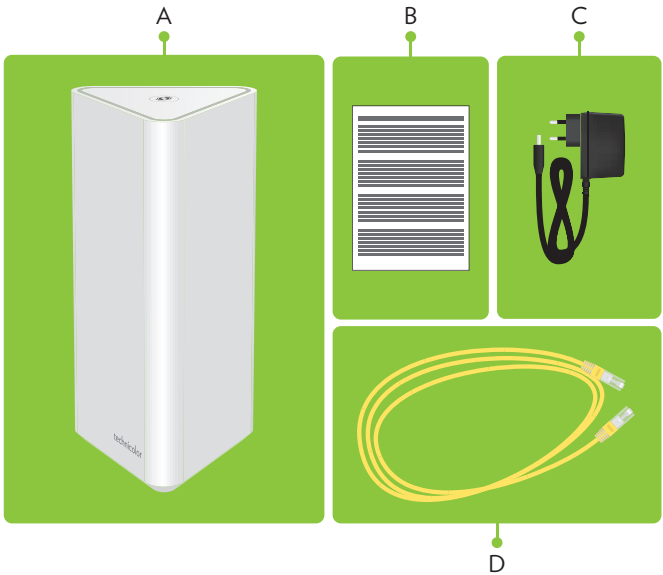
2. C

1. Before you start

- Carefully read the **Safety Instructions and Regulatory Notices** document included in your package before continuing with the installation of your OWA3111.
- Do not make any connections until instructed to do so!

2. Check the content of your box

Your package contains the following items:



Item	Description
A	One OWA3111.
B	User Documentation (this Quick Setup Guide, Safety Instructions & Regulatory Notices...). Other additional documents may be included.
C	One power supply adapter.
D	One Ethernet cable with yellow connectors.

3. About the OWA3111

3.1. Wi-Fi

Wi-Fi general

The OWA3111 is equipped with:

- Two 5 GHz Wi-Fi 6 (IEEE802.11ax) interfaces that provide superior transfer rates and are less sensitive to interference.
- One 2.4 GHz Wi-Fi 6 (IEEE802.11ax) interface which allows you to connect Wi-Fi devices that don't support 5 GHz Wi-Fi.

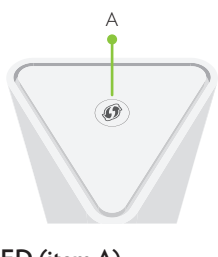
Wi-Fi 6

Enabled with the latest Wi-Fi 6 technology, the OWA3111 offers ultimate wireless networking by improving latency, providing faster throughputs, better performance and optimal link stability in your local network.

EasyMesh

The OWA3111 supports EasyMesh (as EasyMesh agent) that allows you to bring an ultimate in-home Wi-Fi experience by creating a unified intelligent Wi-Fi environment throughout your home using multiple EasyMesh-enabled access points.

3.2. Top panel

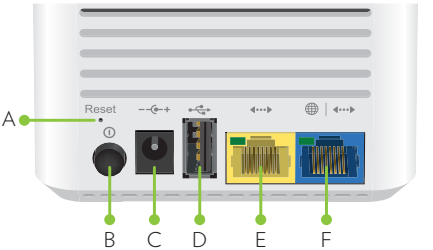


WPS button and Status LED (item A)

The **WPS** button with integrated **Status** LED ( ) on the top panel of your OWA3111 is used to pair the OWA3111 with other Wi-Fi devices and informs you about the status of your OWA3111.

If the **Status** LED ( ) of your OWA3111 is flashing green, your OWA3111 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 OWA3111 is powered on and you press the **Reset** you can restart or reset it. For more information, see *"5.8. How to repair an unresponsive Wi-Fi extender" on page 13*.

Power button (item B)

The power button allows you to power the OWA3111 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 OWA3111.

USB port (item D) - optional

The USB port (optional) is reserved for future use.

Ethernet LAN port (item E)

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 F)

The Ethernet WAN port allows you to connect your OWA3111 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 OWA3111.
- the access key to configure the OWA3111 via its GUI.

4. Set up

The OWA3111 can be used:

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

  You will use this scenario in case your Internet gateway and/or home network has no Wi-Fi, or Wi-Fi capabilities without Wi-Fi 6.

  For this scenario, see *"4.1. Wired Wi-Fi 6 home network enabler" on page 5*.

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

  You will use this scenario in case your Internet gateway and/or home network has Wi-Fi, but no Wi-Fi 6 and/or EasyMesh.

  For this scenario, see *"4.2. Wireless Wi-Fi 6 home network enabler" on page 6*.

- As an ***EasyMesh home network extender***.

  You will use this scenario in case you want to extend your existing EasyMesh Wi-Fi home network with additional coverage using the OWA3111. 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 home network extender" on page 7*.

  ! To join an existing EasyMesh home network, you must first enable EasyMesh on your OWA3111 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 home network enabler

This scenario allows you to add Wi-Fi 6 coverage using the OWA3111.

You will connect the OWA3111 to your Internet gateway either:

- Directly using an Ethernet cable.
- Indirectly via a powerline adapter or similar.

Step 1: Set up the Wi-Fi extender

1. Take the included Ethernet cable (this is the cable with the yellow connectors). Connect one end of the Ethernet cable to the blue Ethernet WAN (🌐) port on the back of your OWA3111. 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 OWA3111 and then plug the other end into a nearby power outlet.
3. Press the power (⏻) button on the back of the OWA3111. 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 OWA3111. For more information, see *"5.4. Pairing Wi-Fi devices to your OWA3111" 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 OWA3111. For more information, consult the user documentation of your device.

Step 3: Connect an Ethernet device (optional)

You can use the OWA3111's yellow Ethernet LAN (◀•••▶) port to connect an Ethernet device (for example, a Set-Top Box, a NAS drive or computer) to your home network.

4.2. Wireless Wi-Fi 6 home network enabler

This scenario allows you to add (extra) Wi-Fi 6 coverage using the OWA3111.

Step 1: Set up the Wi-Fi extender

1. Position your OWA3111 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 OWA3111 and then plug the other end into a nearby power outlet.
3. Press the power (⏻) button on the back of the OWA3111. The **Status** LED (🌀) will first be solid yellow during startup.
4. Wait until the **Status** LED (🌀) slowly blinks yellow.
5. Pair the OWA3111 with your Internet gateway (or extender) using WPS. For detailed instructions, see *"5.2. Pairing the OWA3111 with your Internet gateway" on page 8*.
6. Check the link quality via the **Status** LED (🌀) on the OWA3111. 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 OWA3111.

   See *"5.6. Optimizing the link quality" on page 10* for more information.

Step 2: Connect your Wi-Fi devices

If your Wi-Fi device:

- Supports WPS, use WPS to pair it with the OWA3111. For more information, see *"5.4. Pairing Wi-Fi devices to your OWA3111" 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 OWA3111. For more information, consult the user documentation of your device.

Step 3: Connect an Ethernet device (optional)

You can use both of the OWA3111's Ethernet ports to connect Ethernet devices (for example, a Set-Top Box, a NAS drive or computer) to your home network.

4.3. EasyMesh home network extender

This scenario allows you to extend Wi-Fi coverage in your home 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 OWA3111 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 OWA3111 and then plug the other end into a nearby power outlet.
3. Press the power (⏻) button on the back of the OWA3111. The **Status** LED (ⓦ) will first be solid yellow during startup.
4. Wait until the **Status** LED (ⓦ) slowly blinks yellow.
5. Enable EasyMesh on your OWA3111 if not done yet. For more information ,see *"5.7. Configure your Wi-Fi extender to your needs" on page 11*.
6. Onboard the OWA3111 to the EasyMesh network using WPS. For detailed instructions, see *"5.3. Joining your OWA3111 with an existing EasyMesh network" on page 9*.
7. Check the link quality via the **Status** LED (ⓦ) on the OWA3111. 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 OWA3111.

   See *"5.6. Optimizing the link quality" on page 10* for more information.

Step 2: Connect your Wi-Fi devices

Because the OWA3111 now uses the same Wi-Fi settings as the EasyMesh home network, Wi-Fi devices that were already connected to your home network will also be able to connect to the OWA3111, and vice versa.

Step 3: Connect your Ethernet devices (optional)

You can use both of the OWA3111's Ethernet ports to connect Ethernet devices (for example, a Set-Top Box, a NAS drive or computer) to your home network.

5. Tips and tricks

5.1. Making a wired connection between the OWA3111 and your Internet gateway

1. Take the included Ethernet cable (this is the cable with the yellow connectors).
2. Connect one end of the Ethernet cable to the blue Ethernet WAN (🌐) port on the back of your OWA3111.
3. Connect the other end of the Ethernet cable to an Ethernet or LAN port of your Internet gateway.

5.2. Pairing the OWA3111 with your Internet gateway

Requirements

Make sure your OWA3111 isn't onboarded already to an existing EasyMesh home network, or paired with another Internet gateway.

Procedure

1. Briefly press the **WPS** (⏻) button on the OWA3111. The **Status** LED (⏻) on the OWA3111 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 OWA3111 turns solid green, yellow or red. The Wi-Fi connection is now successfully established.

   Note: If the **Status** LED (⏻) is blinking 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 OWA3111. 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 OWA3111.

   See *"5.6. Optimizing the link quality" on page 10* for more information.

5.3. Joining your OWA3111 with an existing EasyMesh network

Requirements

Make sure your OWA3111 isn't joined already to an existing EasyMesh home network.

Procedure

1. Briefly press the **WPS** button on the OWA3111. The **Status** LED on the OWA3111 starts blinking green.
2. Within two minutes, briefly press the **WPS** button on your Internet gateway or any Wi-Fi extender in the EasyMesh home 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 OWA3111 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 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 OWA3111. 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 OWA3111.

   See *"5.6. Optimizing the link quality" on page 10* for more information.

5.4. Pairing Wi-Fi devices to your OWA3111

Connecting your Wi-Fi devices using WPS

1. Briefly press the **WPS** ( ) button on the OWA3111. The **Status** LED ( ) on the OWA3111 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 OWA3111 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 OWA3111 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 OWA3111 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 interfence (microwave ovens, cordless phones, baby monitors, etc.).
- Use Wi-Fi devices that support and use (multiple) 5 GHz Wi-Fi.

Status LED

If the OWA3111 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 OWA3111 until the LED turns green.
- ***Solid red***: then the link quality is bad. Change the position of the OWA3111 until the LED turns green or at least orange.

Repositioning the OWA3111 for better link quality

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

1. Reposition the OWA3111 to avoid obstacles, like walls, furniture and TV screens, between the OWA3111 and your access point.
2. Wait 15 seconds to allow the OWA3111 to re-evaluate the link quality.

If the link quality did not improve:

1. Unplug the power supply and move the OWA3111 closer to your access point, or to a place with less obstacles between the OWA3111 and your access point.
2. Plug in the power supply and wait two minutes to allow the OWA3111 to start up all services and evaluate the link quality.

5.7. Configure your Wi-Fi extender to your needs

Accessing the OWA3111 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 OWA3111. If your OWA3111:
   - Is connected to your home network (either wired or via Wi-Fi), browse to the web interface of your gateway to check the IP address of the OWA3111.
   - Not connected to your home network, the default IP address of the OWA3111 is ***192.168.1.2***.
2. Browse to the OWA3111'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 OWA3111 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 OWA3111. 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 OWA3111 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:

- ON then the EasyMesh agent is enabled. Clicking the switch will disable EasyMesh on your Wi-Fi extender.
- OFF 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 OWA3111 will return to normal operation with its last known working condition and configuration.
- ***Reset it to factory defaults***: The OWA3111 restarts with the factory default configuration. None of the Wi-Fi and EasyMesh settings, nor other configuration changes you made to the OWA3111 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 rest it to factory defaults.

3 Your Wi-Fi extender restarts..

Federal Communication Commission Interference Statement
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For product available in the USA market, only channel 1~11 can be operated. Selection of other channels is not possible.

This device is restricted for indoor use.

IMPORTANT NOTE:
FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 30cm between the radiator & your body.

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