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OWA7111

QUICK SETUP GUIDE

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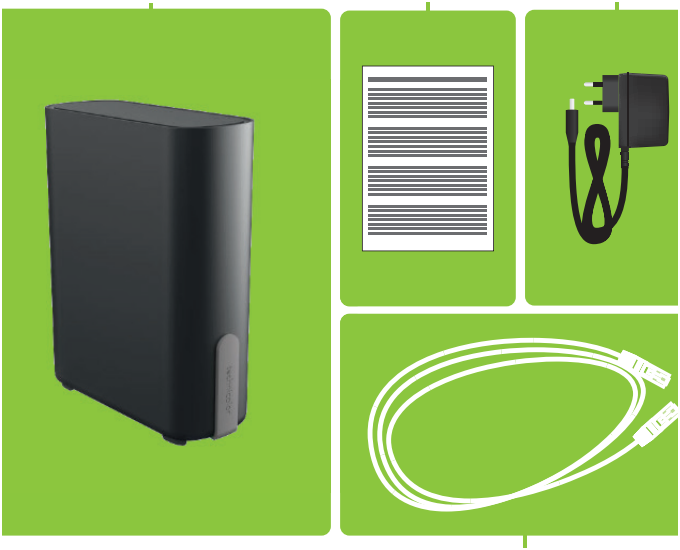
1. Before you start

- Carefully read the **Safety Instructions and Regulatory Notices** document included in your package before continuing with the installation of your OWA7111.
- 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 OWA7111.
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 white connectors.

3. About the OWA7111

3.1. Wi-Fi

Wi-Fi 6E

Enabled with the latest Wi-Fi 6E technology, the OWA7111 offers ultimate wireless networking by improving latency, providing faster throughputs, better performance, and optimal link stability in your local network.

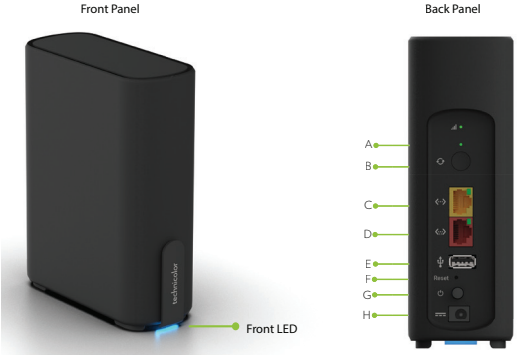
Wi-Fi radios

- The OWA7111 is equipped with:
- 6GHz Wi-Fi™6E (802.11ax) interfaces that provide superior transfer rates in the newly assigned 6GHz spectrum.
- 5 GHz Wi-Fi 6 (802.11ax) interfaces that provide superior transfer rates and are less sensitive to interference for devices that don't support 6GHz.
- 2.4 GHz Wi-Fi 6 (802.11ax) interface which allows you to connect Wi-Fi devices that don't support 5GHz or 6GHz Wi-Fi.

EasyMesh

The OWA7111 supports EasyMesh 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. Front and Back panels



RSSI LED (item A)

WPS button (item B)

WPS used to pair the OWA7111 with the internet gateway.

Ethernet LAN port (item C)

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 D)

The Ethernet WAN port allows you to connect your OWA7111 to the Internet gateway. If free, you can also use it as a second Ethernet LAN port.

USB port (item E) - optional

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

Reset button (item F)

When the OWA7111 is powered on and you press the **Reset** you can restart or reset it. For more information, see *"6.4. How to repair an unresponsive Wi-Fi 6E extender" on page 9*.

Power button (item G)

The power button allows you to power the OWA7111 on or off.

Power port (item H)

The power port allows you to connect the power supply.

Warning: Only use the power supply delivered with your OWA7111.

4. LED behavior

4.1. Front LED

Indicator	Status	Description	Signal
Off	Off	Powered-off	
Blue	Normal blinking	System boot	
Blue	Fast binking	Wireless boot	
Purple	Solid	Waiting for onboarding	
Purple	Normal blinking	Easymesh onboarding	
Green	Solid	Onboarding success	
White	Solid	Operational with maximum	
White	Slow blinking	Operational but minimum	
Blue/White	Flash	Firmware upgrade & Factory reset	/
Orange	Normal blinking	No internet access	
Orange	Fast binking	Upgrade is ongoing	
Orange	Solid	Operational but Wi-fi off	

See “6.2. Optimizing the link quality” on page 7 for more information.

4.2. Back LED

WPS

Indicator	Status	Description	Signal
Red	Fast blinking	WPS pairing failed	
Green	Slow blinking	WPS process started	
Green	Solid	WPS pairing success	

See “6.2. Optimizing the link quality” on page 7 for more information.

RSSI

Indicator	Signal strength	Signal
Green	Good	
Orange	Moderate	
Red	No signal	

5. Setup

5.1. 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 OWA7111 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 OWA7111 and then plug the other end into a nearby power outlet.
3. Press the power (⏻) button on the back of the OWA7111. Wait until the LED turns purple color.
4. Briefly press the WPS button on the OWA7111.
5. Within two minutes, briefly press the WPS button on your Internet gateway or any Wi-Fi 6E extender in the EasyMesh home network, it blinks purple.
6. After some time the Wi-Fi connection is successfully established.

Step 2: Connect your Wi-Fi devices

Because the OWA7111 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 OWA7111, and vice versa.

Step 3: Connect your Ethernet devices (optional)

You can use both of the OWA7111's Ethernet ports to connect Ethernet devices (for example, a Set-Top Box, a NAS drive or computer) to your home network.

5.2. Wired Wi-Fi 6E home network enabler

This scenario allows you to add Wi-Fi 6 coverage using the OWA7111.

Step 1: Set up the Wi-Fi 6E extender

1 Take the included Ethernet cable (this is the cable with the yellow connectors). Connect one end of the Ethernet cable to the red Ethernet WAN (🌐) port on the back of your OWA7111. 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 OWA7111 and then plug the other end into a nearby power outlet.

3 Press the power (⏻) button on the back of the OWA7111. See "*4.1. LED behavior" on page 4* for more information.

Step 2: Connect your Wi-Fi devices

Configure it with the Wi-Fi network name (SSID) and wireless key that are printed on the product label on the bottom of the OWA7111.

Step 3: Connect your Ethernet devices (optional)

You can use the LAN port of the OWA7111's Ethernet ports to connect Ethernet devices (for example, a Set-Top Box, a NAS drive or computer) to your home network.

6. Tips and tricks

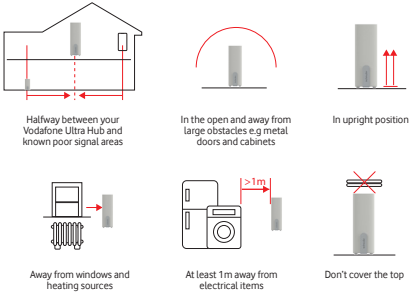
6.1. Optimizing the link quality

To achieve optimal link quality:

- Always try to reduce the number of obstacles (especially walls) between your Wi-Fi devices.
- 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 also support 5 GHz or 6GHz Wi-Fi.

Best Placement

If possible, your booster should be positioned;



Repositioning the OWA7111 for better link quality

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

1. Reposition the OWA7111 to avoid obstacles, like walls, furniture and TV screens, between the OWA7111 and your access point.
2. Wait 15 seconds to allow the OWA7111 to re-evaluate the link quality.

If the link quality did not improve:

1. Unplug the power supply and move the OWA7111 closer to your access point, or to a place with less obstacles between the OWA7111 and your access point.
2. Plug in the power supply and wait two minutes to allow the OWA7111 to start up all services and evaluate the link quality.

6.2. Configure your Wi-Fi 6E extender to your needs

Accessing the OWA7111 web interface

The Wi-Fi 6E extender web interface allows you to configure your Wi-Fi 6E extender using your web browser. To access the Wi-Fi 6E extender web user interface:

1. Check the IP address of your OWA7111. If your OWA7111:
   - 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 OWA7111.
   - Not connected to your home network, the default IP address of the OWA7111 is ***192.168.1.2***.
2. Browse to the OWA7111's IP address found (or http://192.168.1.2) on a computer or device that is currently connected to your Wi-Fi 6E extender (either wired or over Wi-Fi).

3 The Wi-Fi 6E 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 6E extender as password.

Note: If this is the first time that you sign in, the OWA7111 may offer you to change your password.

4 The Wi-Fi 6E extender web interface appears with all settings available.

6.3. How to repair an unresponsive Wi-Fi 6E extender

If at some point your Wi-Fi 6E extender becomes unresponsive you can:

- ***Force it to restart***: After restarting the OWA7111 will return to normal operation with its last known working condition and configuration.
- ***Reset it to factory defaults***: The OWA7111 restarts with the factory default configuration. None of the Wi-Fi and EasyMesh settings, nor other configuration changes you made to the OWA7111 are preserved.

Proceed as follows:

1 Make sure that your Wi-Fi 6E extender is turned on. Use a pen or an unfolded paperclip to push the recessed **Reset** button on your Wi-Fi 6E 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.

2 Your Wi-Fi 6E extender restarts..

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