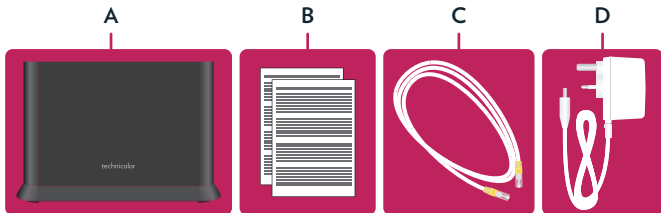# technicolor

OWA0130

QUICK SETUP GUIDE

PAP

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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 OWA0130.
- 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 OWA0130.
B	User Documentation (this Quick Setup Guide, Safety Instructions & Regulatory Notices...). Other additional documents may be included.
C	One Ethernet cable with yellow connectors.
D	One power supply adapter.

3. About the OWA0130

3.1. Wi-Fi

The OWA0130 is equipped with:

- 5 GHz IEEE802.11ac Wi-Fi which enables superior transfer rates and is less sensitive to interference.
- 2.4 GHz IEEE802.11n Wi-Fi which allows you to connect Wi-Fi devices that don't support the 5 GHz Wi-Fi.

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 (mricrowave ovens, cordless phones, baby monitors, etc.).
- Use Wi-Fi devices that support 5 GHz Wi-Fi.

3.2. Top panel
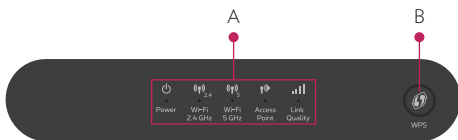
Status LEDs (item A)

On the top panel of your OWA0130 you can find a number of LEDs that will inform you about the status of your OWA0130.

Symbol	Name	Description
⏻	Power	Needs to be solid green when powered on.
(ⁱ)₂.₄	2.4 GHz Wi-Fi	At least one Wi-Fi device is connected to your home network using the OWA0130's 2.4 GHz Wi-Fi.
(ⁱ)₅	5 GHz Wi-Fi	At least one Wi-Fi device is connected to your home network using the OWA0130's 5 GHz Wi-Fi.
∙)⟩	Access point	Indicates that Wi-Fi devices can use the OWA0130 to connect to your home network.
▁▃▅	Link Quality	The color of this LED indicates the quality of the link to the connected access point. For more information, see *"5.5. Optimizing the link quality" on page 9*.

WPS button (item B)

Used to pair the OWA0130 with other Wi-Fi devices.

3.3. Back panel
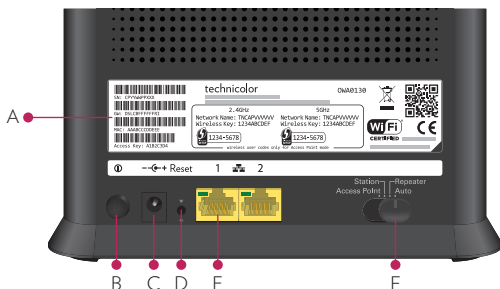
Product label (item A)

The product label contains the default network name and wireless key of the OWA0130.

Warning: After pairing the OWA0130 with an Internet gateway or Wi-Fi extender, the OWA0130 will use the network name and wireless key of that device instead.

Power button (item B)

The power button allows you to power the OWA0130 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 OWA0130.

Reset button (item D)

When the OWA0130 is powered on and you press the **Reset** for at least 7 seconds, the OWA0130 will return to its factory default settings.

Ethernet ports (item E)

The Ethernet port allows you to connect your Internet gateway or Ethernet devices (for example a set-top box NAS drive).

Mode switch (item F)

The mode switch allows you to force the OWA0130 in a specific mode or let it choose the correct mode automatically at startup when in the **Auto** mode. We strongly recommend to use the **Auto** mode.

Note: When you change the setting of the mode switch, the selected mode will only be applied after you restart the OWA0130.

4. Set up

The OWA0130 can be used:

- As a Wi-Fi *extender*.
- As a Wi-Fi *repeater*.
- As a Wi-Fi *video bridge*.

4.1. Wi-Fi extender setup

This scenario allows you to add (extra) Wi-Fi coverage in your home.

Wi-Fi

Internet gateway   OWA0130 in **Auto** mode   Wi-Fi device

Ethernet cable

You will connect the OWA0130 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 an OWA0130 and make sure that the mode selector on the back is switched to **Auto**.

2 Take the included Ethernet cable (this is the cable with the yellow connectors). Connect one end of the Ethernet cable to one of the yellow Ethernet ports on the back of your OWA0130. Connect the other end of the Ethernet cable to a Ethernet or LAN port of your Internet gateway.

3 Take the power supply, plug the small end into the power inlet port ($-\!\!-\!\!\leftarrow\!\!+$) of the OWA0130 and then plug the other end into a nearby power outlet.

4 Press the power ($\circlearrowleft$) button on the back of the OWA0130. The **Power** ($\circlearrowleft$) LED must now be solid green. If this is not the case, check the connections you made.

5 Wait until the **WPS** ($\math{\mathit{\oslash}}$) LED turns off 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 OWA0130. For more information, see *"5.3. Pairing your Wi-Fi devices to the OWA0130" on page 8*.
- 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 back of the OWA0130. For more information, consult the user documentation of your device.

Step 3: Connect an Ethernet device (optional)

You can use the OWA0130's other Ethernet port to connect an Ethernet device (for example, a NAS drive or computer) to your home network.

4.2. Wi-Fi Repeater setup

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

| Internet gateway or separate OWA0130 wired to it | OWA0130 in **Auto** mode | Wi-Fi device |

Requirements

Your Intenet gateway must have 5 GHz Wi-Fi either built-in or via a separate OWA0130 extender.

Step 1: Set up the repeater

1. Take an OWA0130 and make sure that the mode selector on the back is switched to **Auto**.
2. Position your OWA0130 half-way between your Internet gateway (or extender) and your Wi-Fi devices.
3. Take the power supply, plug the small end into the power inlet port (- -⊙- +) of the OWA0130 and then plug the other end into a nearby power outlet.
4. Press the power (⏻) button on the back of the OWA0130. The **Power** (⏻) LED must now be solid green. If this is not the case, check the connections you made.
5. Wait until the **WPS** (⦅⦆) LED turns off and then pair the OWA0130 with your Internet gateway using WPS. For more detailed instrcutions, see *"5.2. Pairing the OWA0130 with your Internet gateway" on page 8*.

6 If the **Link Quality** ( ) LED on the front panel of the OWA0130 is green then the repeater is up and running. If not, see *"5.5. Optimizing the link quality" on page 9* for more information.

### Step 2: Connect your Wi-Fi devices

Because the OWA0130 now uses the same Wi-Fi settings as the access point, Wi-Fi devices that were already connected to your home network will also be able to connect to the OWA0130, and vice versa.

Step 3: Connect your Ethernet devices (optional)

You can use the OWA0130's Ethernet ports to connect Ethernet devices (for example, a NAS drive or computer) to your home network.

4.3. Video bridge setup

This scenario allows you to set up a high-speed Wi-Fi link capable of transmitting multiple HD video streams between your Internet gateway and your set-top box (or other Wi-Fi devices, for example an IP camera).

Internet gateway or
OWA0130 wired to it

OWA0130 in
Auto mode

Set-top box
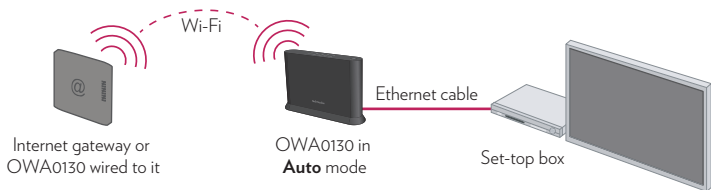
Step 1: Prepare your Internet gateway

If your Internet gateway:

- Has built-in 5 GHz Wi-Fi, you can use it to proceed. Jump to the next step.
- Does not have built-in 5 GHz Wi-Fi, set up another OWA0130 as Wi-Fi extender to your Internet gateway as described in *"Step 1: Set up the Wi-Fi extender" on page 4*.

Step 2: Connect your set-top box to your Wi-Fi network

1 Take an OWA0130 and make sure that the mode selector on the back is switched to **Auto**.
2 Take the included Ethernet cable (this is the cable with the yellow connectors). Connect one end of the Ethernet cable to one of the yellow Ethernet ports on the back of your OWA0130. Connect the other end of the Ethernet cable to your set-top box.

3 Try to position the OWA0130 with as few obstacles (including your TV) as possible between the OWA0130 and the Internet gateway.

4 Take the power supply, plug the small end into the power inlet port (‐ ‐⟵‐ +) of the OWA0130 and then plug the other end into a nearby power outlet.

5 Press the power (⏻) button on the back of the OWA0130. The **Power** (⏻) LED must now be solid green. If this is not the case, check the connections you made.

6 Wait until the **WPS** (⟨⁄⟩) LED turns off and pair your OWA0130 with your Internet gateway (or Wi-Fi extender) using WPS. For detailed instructions, see *"5.2. Pairing the OWA0130 with your Internet gateway" on page 8*.

7 If the **Link Quality** (▁▂▃) LED on the front panel of the OWA0130 is green then the video bridge is up and running. If not, see *"5.5. Optimizing the link quality" on page 9* for more information.

Note: When the OWA0130 connected to your set-top box is switched to **Auto** mode, it will also functions as a repeater for your Internet gateway on top of its role in the video bridge.

Step 3: Connect your wired devices (optional)

You can use the OWA0130's other Ethernet port to connect an Ethernet device (for example, a NAS drive or computer) to your home network.

5. Tips and tricks

5.1. Making a wired connection between the OWA0130 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 one of the yellow Ethernet ports on the back of your OWA0130.
3. Connect the other end of the Ethernet cable to a Ethernet or LAN port of your Internet gateway.

5.2. Pairing the OWA0130 with your Internet gateway

Requirements

Your Internet gateway must have 5 GHz Wi-Fi either through a built-in access point or an OWA0130 connected to it.

Procedure

1. Briefly press the **WPS** (🌀) button on the OWA0130. The **WPS** (🌀) LED on the OWA0130 starts blinking orange.
2. Within two minutes, briefly press the **WPS** (🌀) button on your Internet gateway (or the OWA0130 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 **WPS** (🌀) LED on the OWA0130 turns green. The Wi-Fi connection is now successfully established.

   Note: If the **WPS** (🌀) LED is red, go to *"5.4. What to do when the WPS LED is blinking red?" on page 9* for further instructions.

5.3. Pairing your Wi-Fi devices to the OWA0130

Connecting your Wi-Fi devices using WPS

1. Briefly press the **WPS** (🌀) button on the OWA0130. The **WPS** LED on the OWA0130 starts blinking orange.

2. Within two minutes, start WPS on your Wi-Fi device. If your Wi-Fi device is:

   - Another OWA0130, briefly press its **WPS** (🌀) button.
   - Another type of device, consult the documentation of your device.

3 After some time the **WPS** (🚫) LED on the OWA0130 turns green. The Wi-Fi connection is now successfully established.

   Note: If the **WPS** (🚫) LED is red, go to *"5.4. What to do when the WPS LED is blinking red?" on page 9* for further instructions.

5.4. What to do when the WPS LED is blinking red?

This indicates that the OWA0130 could not make a Wi-Fi connection.

Do the following:

1 Wait until the red blinking LED goes out, then try using WPS again.

2 Turn your OWA0130 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.

5.5. Optimizing the link quality

If the OWA0130 has a Wi-Fi connection to an Internet gateway, extender or repeater, the **Link Quality** (📶) LED will provide information about the quality of the link between them.

If the **Link Quality** (📶) LED is:

• Green: the link quality is optimal. No further actions are needed.

• Orange: the link quality is average. Change the position of the OWA0130 until the LED turns green.

• Red: the link quality is bad. Change the position of the OWA0130 until the LED turns green or at least orange.

Repositioning the OWA0130 for better link quality

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

1 Reposition the OWA0130 to avoid obstacles, like walls, furniture and TV screens, between the OWA0130 and your access point.

2 Wait 15 seconds to allow the OWA0130 to re-evaluate the link quality.

If the link quality did not improve:

1 Unplug the power supply and move the OWA0130 closer to your access point and/or with less obstacles between the OWA0130 and your access point.

2 Plug in the power supply and wait two minutes to allow the OWA0130 to start up all services and evaluate the link quality.