PENTAIR

GATEWAY

INSTALLATION AND USER MANUAL

Available on the iPhone
App Store

ANDROID APP ON
Google play

$\mathsf{C}\,\mathsf{E}$

⚠ IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS
SAVE THESE INSTRUCTIONS

SCAN ME

Installation and connection

ⓘ Simply connect the power supply provided and match the WiFi to your home router, connection to the Pentair's App server is automatic.

By following the instructions, after creating your Pentair account within the Pentair Pool App, you will be able to connect to your installation in a few minutes. The controls sent via the App are effective in a few seconds.

ⓘ Place the Gateway indoors in a dry and well-ventilated area, far away from any heat sources.
After optimizing the radio range, the Gaetway shouldn't be near, or in contact with metal (parts/objects).
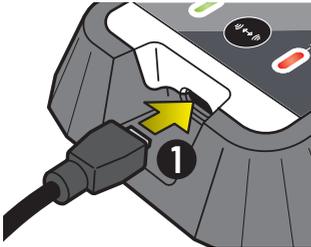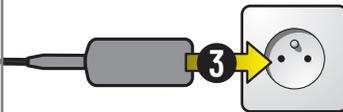
1 - Connect one end of the USB cable provided to the µUSB port of the Gateway.
BE CAREFUL, DO NOT FORCE THE CONNECTION TO THE SOCKET AND THE CONNECTOR, SEE BELOW THE ORIENTATION OF THE CONNECTOR
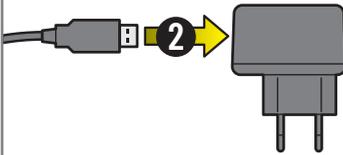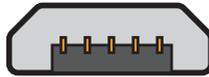
2 - Connect the end of the USB cable to the USB port in the power supply.
**DO NOT USE ANY POWER SUPPLY OTHER THAN THE ONE PROVIDED.**

3 - Connect the power supply to a 230V socket, in compliance with local applicable standards.

LED meaning

ⓘ Depending on the lighting frequency of the LEDs, the Gateway provides information on its status.

– Button

PENTAIR
GATEWAY

Double flashes :
= new device, no connection
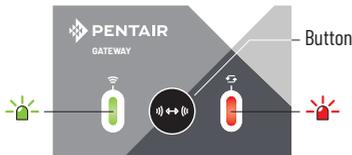
The device is new and free of any provisioning with a home router.
- Proceed as described next pages.

Micro cut-off = connected to the server

1 short flash blinking = sending information to the server
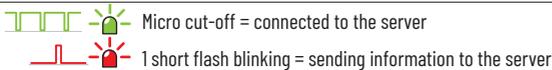
The Gateway is functioning perfectly

LED meaning

Trouble shooting:

Micro cut-off 2 sec spaced = WiFi OK, but no connection to the server

The WiFi connection to the home router is working. The connection to the Pentair server has not been set up.
- Make sure your device is ON and connected to internet.
- The Gateway is automatically configured, provided the DHCP server of your internet home router is activated (in the vast majority of cases, the DHCP server is activated by default on the installation of your internet home router). This function can be accessed via the management menu of your internet home router. Refer to your internet access provider for more details. The Gateway uses the TCP 8883 & 443 port. Make sure that those ports are open towards the outside.

Flashing = no connection to the WiFi

The WiFi connection to the home router is not working.
- Make sure your device is ON and the WiFi is activated.
- Restart provisioning between the Gateway and the home router.

WiFi provisioning :

>1 sec = Permanent (time out 5 min) = Long button pressed for WiFi provisioning.

You have just longly pressed the button.
- Proceed to WiFi provisioning (see following page).
- To exit WiFi provisioning mode before 5 min, press the button more than 1 sec again.

Pairing :

< 0.3 sec = Alternative permanent fast blinking (time out 5 min)
= Short button pressed for pairing (to Speedeo Connect for ex)

You just made a short press on the button.
- Proceed to Pentair's device pairing (see p8).
- To exit pairing mode before 5 min, press the button less than 0.3 sec again.

Firmware up-date:

Flashing = automatic firmware update (wireless) in progress

An automatic update is in progress. **!! Do not unplug the USB (shut down) during that process !!**
- Wait for the status to change (this may take some minutes).

Slow flashes = the automatic (wireless) update has failed

An automatic update has failed. Wait for the status to change, Gateway will automatically reattempt an update. If this status doesn't disappear after 30 minutes, check that your internet connection is functioning properly and if necessary, contact Pentair technical support on techsupport.poolemea@pentair.com.

Pairing the Gateway to a device (compatible, Pentair range).

#1: Make sure your Gateway is properly power supplied.

#2: Give a short push (< 0.3 sec) on the pairing button. The green and red LEDs should be flashing alternatively and quickly. You will now have 5 minutes to complete this pairing sequence.
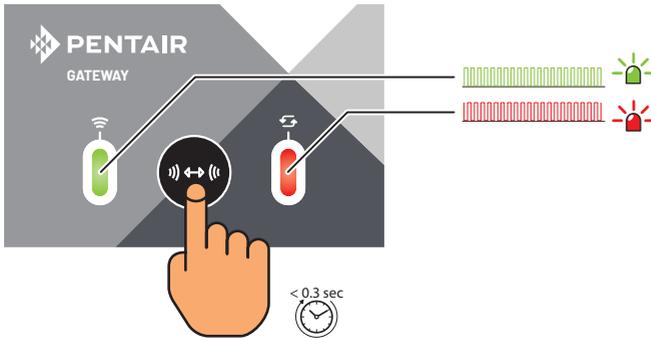
#3: On the device to be paired, go on the pairing menu and select «Gateway» then valid or launch the pairing procedure (depending user interface type).

#4: Within the 5 minutes duration, as soon as the LEDs stop flashing, Gateway and device are successfully paired.

Provisioning your Gateway to your WiFi home router (1/3)

#1: Make sure :
- you have downloaded the Pentair Pool App and created your account.

#2: Place your Gateway within range of your WiFi home router.

#3: Give a long push (> 1 sec) on the button. The red LED will steady light.
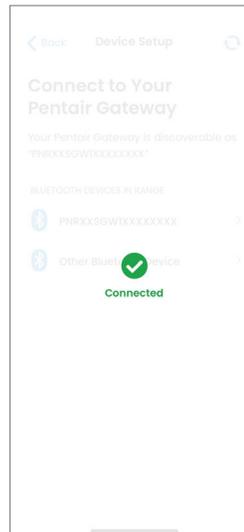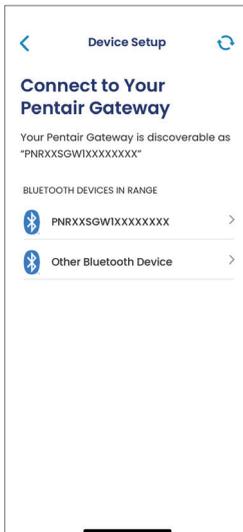You will now have 5 minutes to complete this provisioning sequence.

#4: Open Pentair Pool App under your pool account. In device set up menu, access to the screen asking you if you will be using a Gateway?
Select «Yes»

Device Setup

Will you be using a Pentair Gateway to connect your Speedeo Connect to WiFi?

What is a Pentair Gateway?

Yes

No, I will connect Speedeo directly to WiFi

#5: Make sure your phone's Bluetooth® connection is on. Your Gateway will be discoverable as «PNRXXSGWXXXXXXXXX». Select it.

Device Setup

Connect to Your Pentair Gateway

Your Pentair Gateway is discoverable as "PNRXXSGW1XXXXXXXX"

BLUETOOTH DEVICES IN RANGE

PNRXXSGW1XXXXXXXX >

Other Bluetooth Device >

Device Setup

Connect to Your Pentair Gateway

Your Pentair Gateway is discoverable as "PNRXXSGW1XXXXXXXX"

BLUETOOTH DEVICES IN RANGE

PNRXXSGW1XXXXXXXX

Other Bluetooth Device

Connecting

Device Setup

Connect to Your Pentair Gateway

Your Pentair Gateway is discoverable as "PNRXXSGW1XXXXXXXX"

BLUETOOTH DEVICES IN RANGE

PNRXXSGW1XXXXXXXX

Other Bluetooth Device

Connected

#6: Continue the flow of menus by selecting your WiFi network and populate the credentials asked and continue untill getting «Connected». Then your Gateway is connected to your WiFi home router.
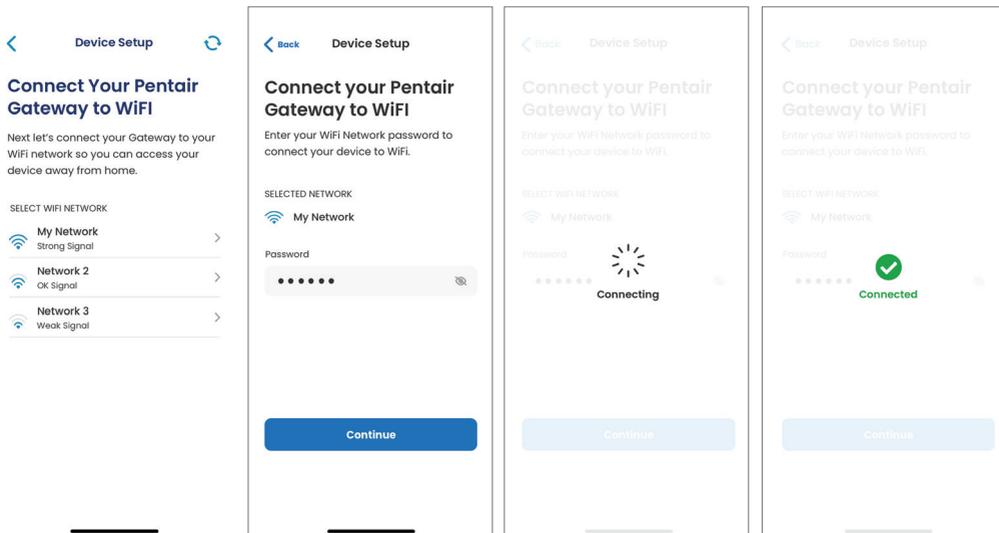
#7: Close the navigation page.
You can now return to your original WiFi settings.

#8: The green indicator light will flash following step described below:
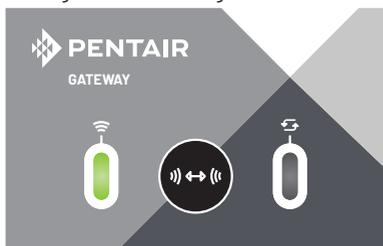
= Searching WiFi

= Searching Pentair server

= Server connected

From now on, the data from Gateway's compatible devices is recorded regularly on the cloud.

Pentair Manufacturing
www.pentairpooleurope.com