

Spapilot Installation Manual.

Step by step, from unboxing to your first connected spa.

VERSION

Gen 1 · 2025

COMPATIBILITY

Balboa BP series

PRODUCT

Spapilot

PUBLISHED BY

Zavepower Innovative Technology AB

01 Introduction

Congratulations on your purchase of Spapilot, the smart spa controller designed to make your spa experience simpler, more energy-efficient, and fully automated.

Welcome to Spapilot Gen 1

Spapilot is more than just a spa controller. It is your partner in creating a sustainable and relaxing spa environment while saving both energy and money. This manual takes you step by step from unboxing to your first connected spa.



FIG. 1.1 THE SPAPILOT DEVICE AND CONNECTION CABLE

Key features

Energy savings up to 80%

Reduce your spa heating costs by up to 80% with smart scheduling and temperature control.

Cost control

Track and manage your energy consumption effortlessly, directly in the app.

Wi-Fi connectivity

Control your spa anytime, anywhere through the Spapilot app.

Automation

Enjoy smart heating schedules and calendar integration for a seamless spa experience.

Why choose Spapilot

At Zavepower Innovative Technology AB, we believe in making life simpler. Spapilot is more than just a spa controller, it is your partner in creating a sustainable and relaxing spa environment while saving both energy and money.

Safety Instructions

To ensure safe and proper use of your Spapilot, please follow these important safety guidelines.

General safety precautions

- **Read before use.** Carefully read this manual before installing or using the device.
- **Keep away from water.** Avoid placing the device in direct contact with water to prevent electrical hazards.
- **Supervision required.** Children or individuals unfamiliar with the product should not operate it without supervision.

CAUTION

ELECTRICAL SAFETY

Use only the power adapter provided with the Spapilot. Using other adapters may cause damage or safety risks. Make sure the power outlet is not overloaded with other high-power devices.

Installation safety

- **Proper placement.** Install the Spapilot in a dry area, away from direct sunlight or extreme temperatures.
- **Follow instructions.** Always follow the installation steps provided in this manual to avoid improper setup.

Maintenance safety

Do not attempt to disassemble or repair the Spapilot yourself. Contact customer support for assistance.

IMPORTANT

EMERGENCY SITUATIONS

If you notice unusual smells, smoke, or sparks, turn off the device immediately and unplug it, then contact customer support. In case of electric shock, seek medical attention immediately.

By following these safety instructions, you can ensure a safe and enjoyable experience with your Spapilot.

What's in the Box

Before getting started, please ensure that all components are included in your Spapilot package. If anything is missing, contact our support team immediately.

Included components

Spapilot device

The main unit for controlling your spa.

Cable with connector for Gecko or Balboa

Used to connect, power, and communicate with the Spapilot device.



FIG. 3.1 THE SPAPILOT DEVICE WITH ITS CONNECTION CABLE

NOTE

KEEP THE PACKAGING

Make sure to keep the packaging and all components in case you need to return or exchange the product.

Installation Guide, Step 1: Prepare

Follow these simple steps to install and set up your Spapilot. Make sure to read the safety instructions before starting the installation.

Step 1: Prepare for installation

- Ensure your spa is powered off before starting the installation.
- Identify the brand and model of your spa's control box.
- Gather the Spapilot device.
- Prepare the tools needed to remove panels, the cover of the control box, and any other tools that are required.
- Have your Wi-Fi credentials ready if needed.
- Make sure that your router is not blocking new devices.

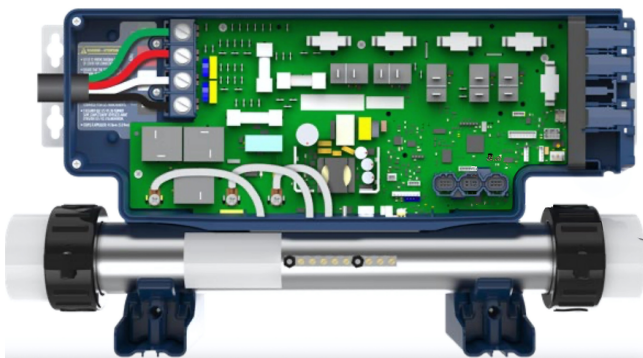


FIG. 4.1, 4.2 BP-SERIES CONTROL BOX

Step 2: Connect Spapilot to Your Spa

Connect the Spapilot to your spa's control box. The exact port depends on whether you have a Balboa BP or a Gecko IN.YE system.

01 Remove the front cover

Locate the control box, then remove the screws, generally 4 screws. Remove the front cover so you have full view of the circuit board.

02 Locate the port for your version

With the circuit board in full view, locate the connection port for your specific version, Balboa, Gecko, or other.

03 Connect the Spapilot cable

Connect the Spapilot cable to the designated port on your spa system. Depending on your system, the connection will be different. The diagrams below show the BP-Series and IN.YE-Series ports.

NOTE

TECHNICAL COMPATIBILITY ONLY

Zavepower has no commercial partnership with Balboa Water Group or Gecko. Any mention of the Balboa BP series or Gecko YE-3 and YE-5 is solely to clarify technical compatibility.

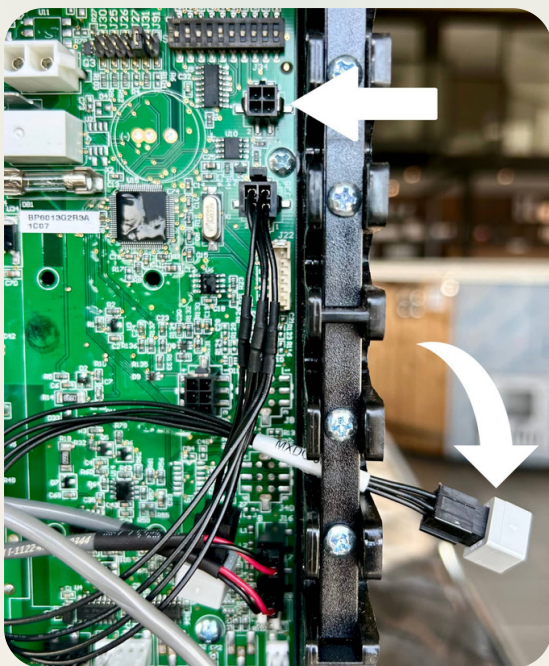


FIG. 5.1 BP-SERIES CONTROL BOX, LOCATE THE PORT AND CONNECT

Locate the port for your version

With the circuit board in full view, locate the connection port for your specific version, Balboa, Gecko, or other.

Connect the Spapilot cable

Connect the Spapilot cable to the designated port on your spa system. Depending on your system, the connection will be different. The diagrams below show the BP-Series and IN.YE-Series ports.

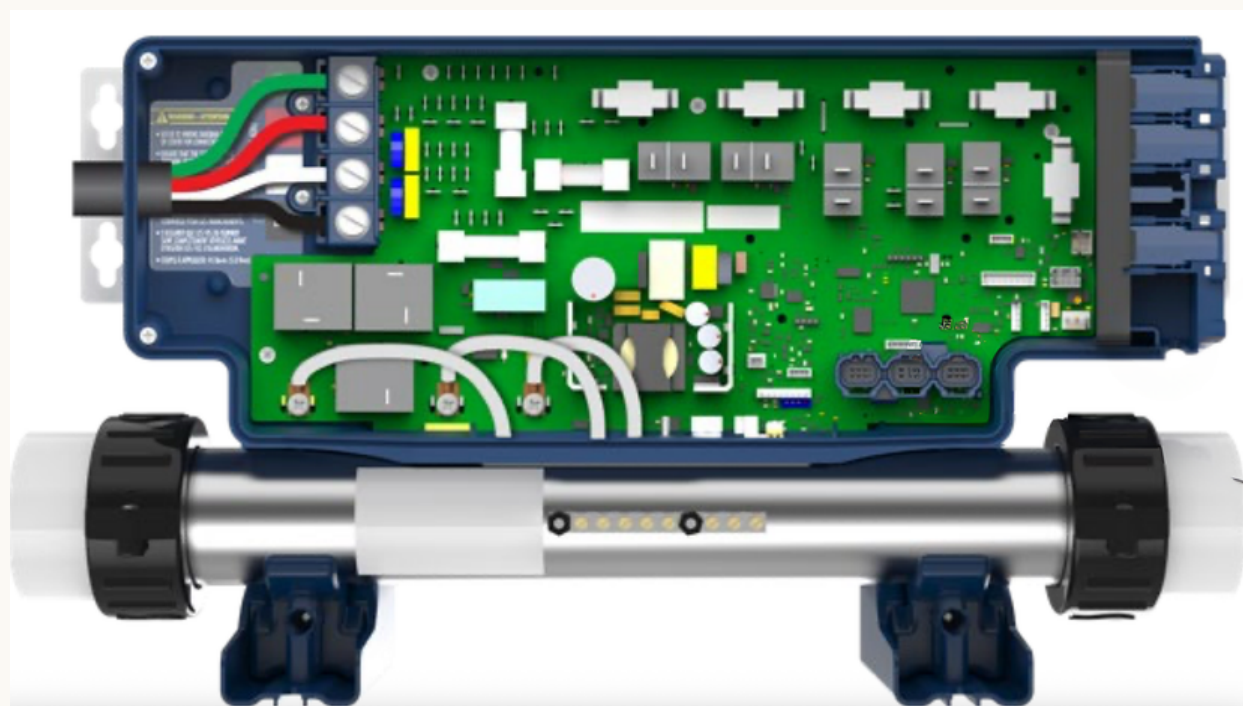


FIG. 5.2 IN.YE-SERIES CONTROL BOX, LOCATE THE PORT AND CONNECT

CAUTION**ALIGN THE CONNECTOR CAREFULLY**

Align the cable connector carefully. Push it in straight, do not tilt. Inserting the connector at an angle may bend or break the pins.

Placement of the Spapilot Box

Recommended placement of Spapilot for the best Wi-Fi reception.

Place it high, facing the router

Place Spapilot as high as possible on the side of the spa that faces your Wi-Fi router. If it is difficult to reach, an extension cable is available for purchase.

Cut the foil-covered insulation to size

The insulation on the inside of the panel is usually covered with foil that lies directly against the panel. Cut out a piece of the insulation, including the foil, about the same size as the Spapilot unit, so that Spapilot can sit directly against the bare panel. Leave the insulation with foil everywhere else. Place Spapilot against the bare panel where the insulation has been removed, then put the insulation back over Spapilot as much as possible, but leave it open between Spapilot and the panel.

IMPORTANT

WHY WE DO THIS

Foil and insulation significantly weaken the Wi-Fi signal. By removing the insulation and foil just where Spapilot sits, and placing the unit directly against the panel, the signal is greatly improved.

Extra tips

- If the signal is still weak, move the router closer to the spa or use a Wi-Fi extender.
- Avoid large metal objects between the spa and the router.

Wi-Fi Optimisation

A few simple checks will give you a stable connection between your spa and your router.

1. Check Wi-Fi coverage outdoors

Your home router is usually placed indoors, and its signal is weakened by walls and windows. Stand next to the spa with your phone and check the Wi-Fi signal. If you see fewer than 2 to 3 bars, the signal is likely too weak for the spa unit. Solution: move the router closer to the spa if possible, or install a Wi-Fi extender or mesh node inside the house, near the wall facing the spa.

2. Spa unit placement

The controller is mounted inside the spa cabinet, surrounded by insulation and water, which naturally reduces Wi-Fi signal strength. If possible, make sure the antenna is not fully blocked by metal or thick insulation. In difficult cases, an external Wi-Fi antenna can be added to improve reception.

3. Router configuration

- Make sure the spa connects to the 2.4 GHz Wi-Fi band. The device does not support 5 GHz.
- Use WPA2-PSK security mode, avoid WPA3.
- For best stability, set the Wi-Fi channel to 1, 6, or 11.
- Assign the spa a fixed IP address (DHCP reservation) in your router. This prevents disconnections when the router changes IP leases.

4. Power supply

The spa unit requires a stable power source. If it restarts unexpectedly, the Wi-Fi connection will also be lost. Make sure the spa's power supply is reliable and not overloaded.

5. Environment and interference

- Other wireless equipment, such as neighbouring Wi-Fi, Bluetooth devices, and wireless speakers, can interfere with the connection.
- Trees, rain, or snow between the house and the spa may weaken the signal.
- Place the Wi-Fi extender or mesh node so that it has clear line of sight toward the spa whenever possible.

Step 3: Connect to Wi-Fi

Power on the outdoor spa again and let the Spapilot power up. Then open the Spapilot app on your smartphone or tablet. Download it from the App Store or Google Play if you have not already.

Download the app

Search for Spapilot in the App Store for iOS or Google Play for Android, and install the app on your smartphone or tablet.

In the app

- Create a user account in the app.
- Log in, then tap Add new device.
- Fill out the device name. When you reach the MAC address field, tap GET MAC ADDRESS and Spapilot will help you retrieve the ID from the device.

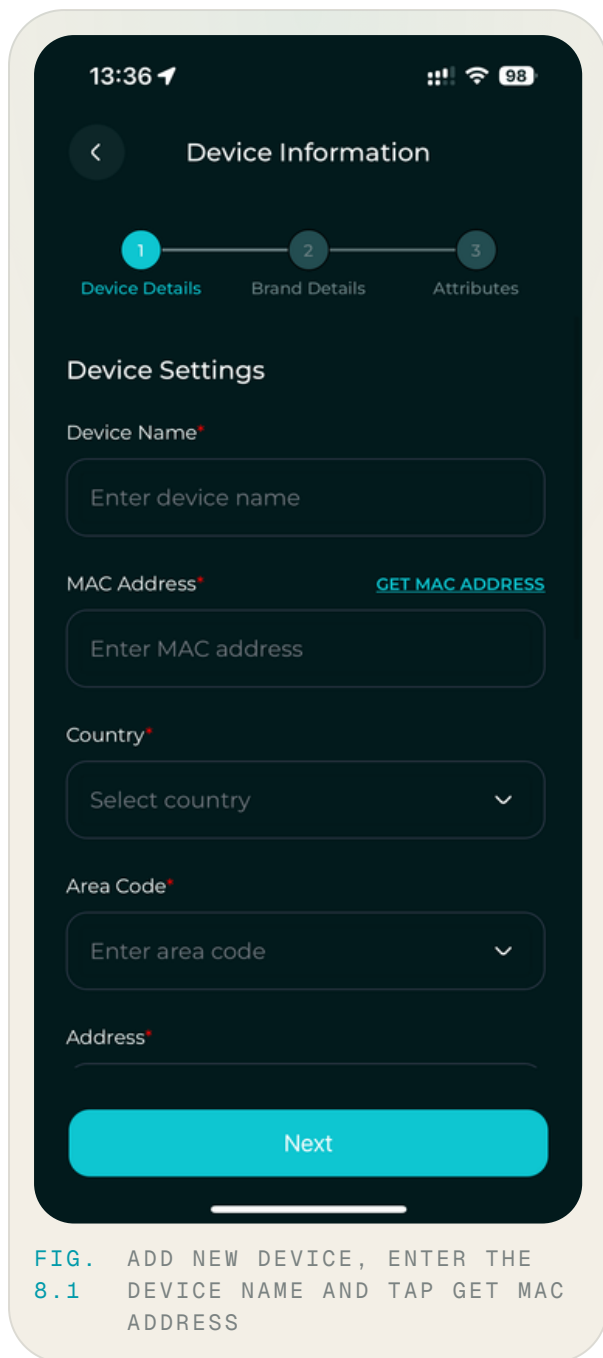


FIG. 8.1 ADD NEW DEVICE, ENTER THE DEVICE NAME AND TAP GET MAC ADDRESS

Choose SPAPILOT SETUP WI-FI

Choose the SPAPILOT SETUP WI-FI network and connect to it. No password is needed. Once you are connected to the Spapilot Wi-Fi, you can proceed to the next step.

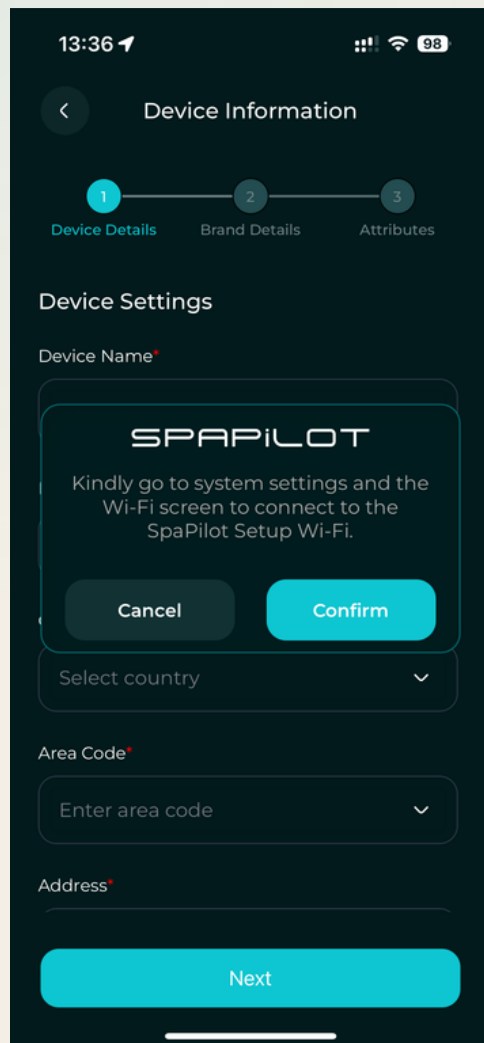
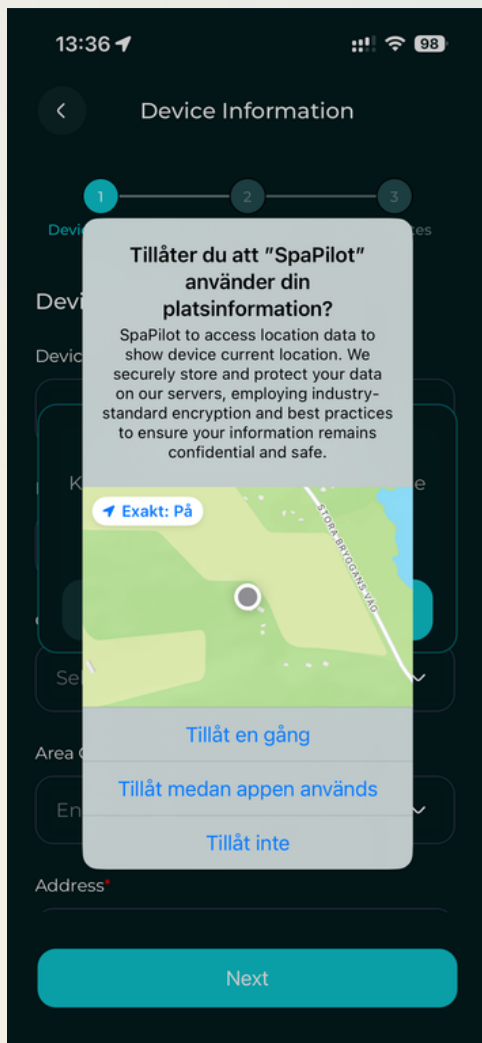


FIG. 8.2,
8.3

CONNECT TO THE SPAPILOT SETUP WI-FI NETWORK, NO PASSWORD
NEEDED

CAUTION

DO NOT CONNECT TO HOME WI-FI YET

Do not connect to your home Wi-Fi before this step. Doing so can cause the setup Wi-Fi to disappear, and you may need to contact our support.

NOTE

ABOUT SPAPILOT RESET HOTSPOT

If you see a Wi-Fi network named SPAPILOT RESET HOTSPOT, this is not used for the initial installation.

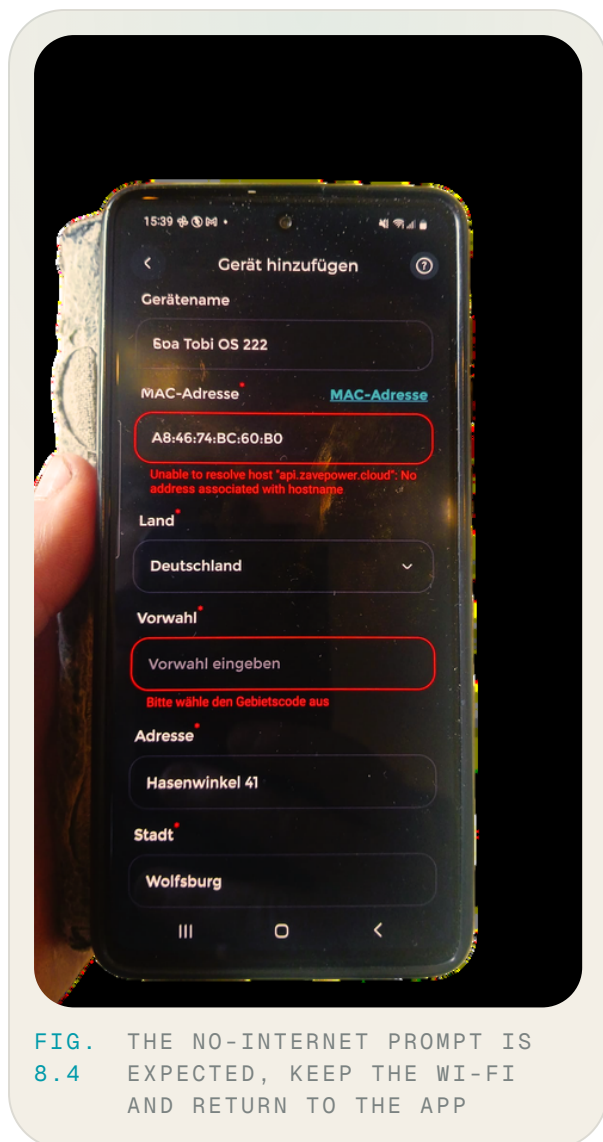


FIG. 8.4 THE NO-INTERNET PROMPT IS EXPECTED, KEEP THE WI-FI AND RETURN TO THE APP

THE NO-INTERNET PROMPT IS EXPECTED

While connected to the setup Wi-Fi, your phone may show a message such as "Unable to resolve host api.zavepower.cloud" or ask whether to keep trying Wi-Fi or switch to mobile data. This is expected. Keep the Wi-Fi connection, then go back to the Spapilot app to continue.

Spa Setup Details

Now complete the details about your outdoor spa, including the pumps, heater, sanitation system, and any additional components. This is needed to calculate your usage and cost.

If you are uncertain about any specifics, we recommend reaching out to your local reseller or the manufacturer of your outdoor spa for assistance.

13:39

< Add Brand Detail

1 2 3

Device Details Brand Details Attributes

Brand Name*

Swebad

Model*

Diamant V2

Water Volume (Ltr)*

250456

Jet Pump

No Jet Jet 1 Jet 2 Jet 3 Jet 4

Jet Pump 1 (kW)

Next

FIG. 9.1 SPA SETUP, BRAND, MODEL, VOLUME, AND PUMP DETAILS

Brand and model

Enter the brand and model of your spa. If you are unsure, choose Not available.

Volume in litres

Enter the water volume of your spa in litres.

Massage pumps

Enter the number of massage pumps and the power of each pump in kW.

13:39

97

<

Add Brand Detail

1

2

3

Device Details

Brand Details

Attributes

NO JET

JET 1

JET 2

JET 3

JET 4

Jet Pump 1 (kW)

1 kW

5kW

2

Filter Type

test

Number Of Filter

2

Circulation Pump

☒ Yes

☐ NO

100 watt

1000 watt

270

Next

FIG. 9.2 SPA SETUP, FILTER TYPE, FILTER COUNT, AND CIRCULATION PUMP

Filter type and count

Enter the type of filter your spa uses, if you are unsure type O, and how many filters the spa has.

Circulation pump

Indicate whether your spa uses a separate circulation pump, and enter the power of that pump.

Air pump

If your spa has an air pump, enter its power.

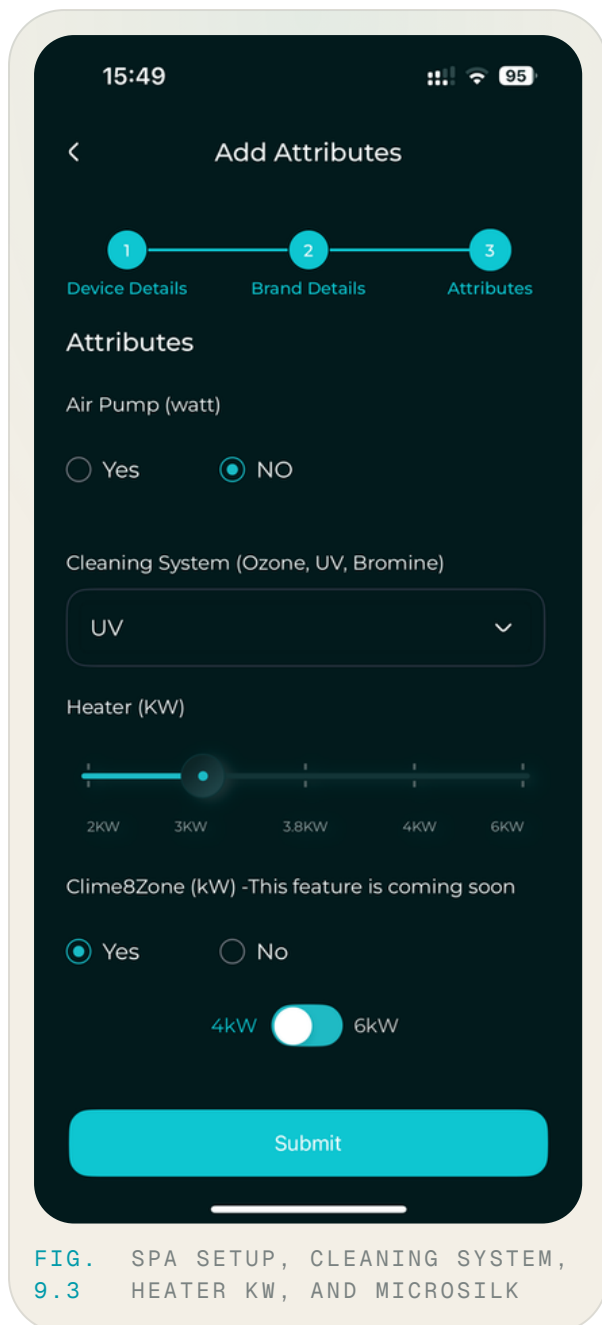


FIG. 9.3 SPA SETUP, CLEANING SYSTEM, HEATER KW, AND MICROSILK

Cleaning system

Select the type of cleaning system you have.

Heater kW

Select the kW of your heater.

Microsilk

Indicate whether your spa has Microsilk or not.

Install year

Enter the year the outdoor spa was installed.

Filtration cycles

Set up your filtration cycles. We recommend using the preset value.

Then tap Submit to register your outdoor spa.

Understanding Filtration Cycles

In Spapilot, the system automatically initiates cleaning during the heating schedule. This means each time a schedule is set up, it filters just like a standard spa.

Extra filtration time

If you choose to add extra time based on your usage, that runs outside of Spapilot's cost control and operates according to your specified timings, which may incur additional costs.

IMPORTANT

RECOMMENDED FILTRATION TIME

We recommend a time between 00:00 and 06:00. Depending on your use, choose how many hours you need. 3 to 6 hours per 24 hours works for most users, but it can vary from user to user.

15:39

93

<

Add Attributes

1

2

3

Device Details

Brand Details

Attributes

Balboa Micro Silk

☐ Yes

☒ No

Year of Installation

2022

▼

Filtration Cycle

Slot 1

Start Time

End Time

00:00

04:00

Slot 2

Start Time

End Time

12:00

✕

16:00

✕

Submit

FIG. 10.1

SET UP YOUR FILTRATION CYCLES, WE RECOMMEND THE PRESET VALUE

RECOMMENDED FILTRATION TIME

We recommend a time between 00:00 and 06:00. Depending on your use, choose how many hours you need. 3 to 6 hours per 24 hours works for most users, but it can vary from user to user.

NOTE

UNDERSTANDING FILTRATION CYCLES

We will enhance this function to let you add a setting in the Planner, so you can incorporate filtration into cost control.

11 Setup Complete

The setup is complete, and your home screen should now appear.

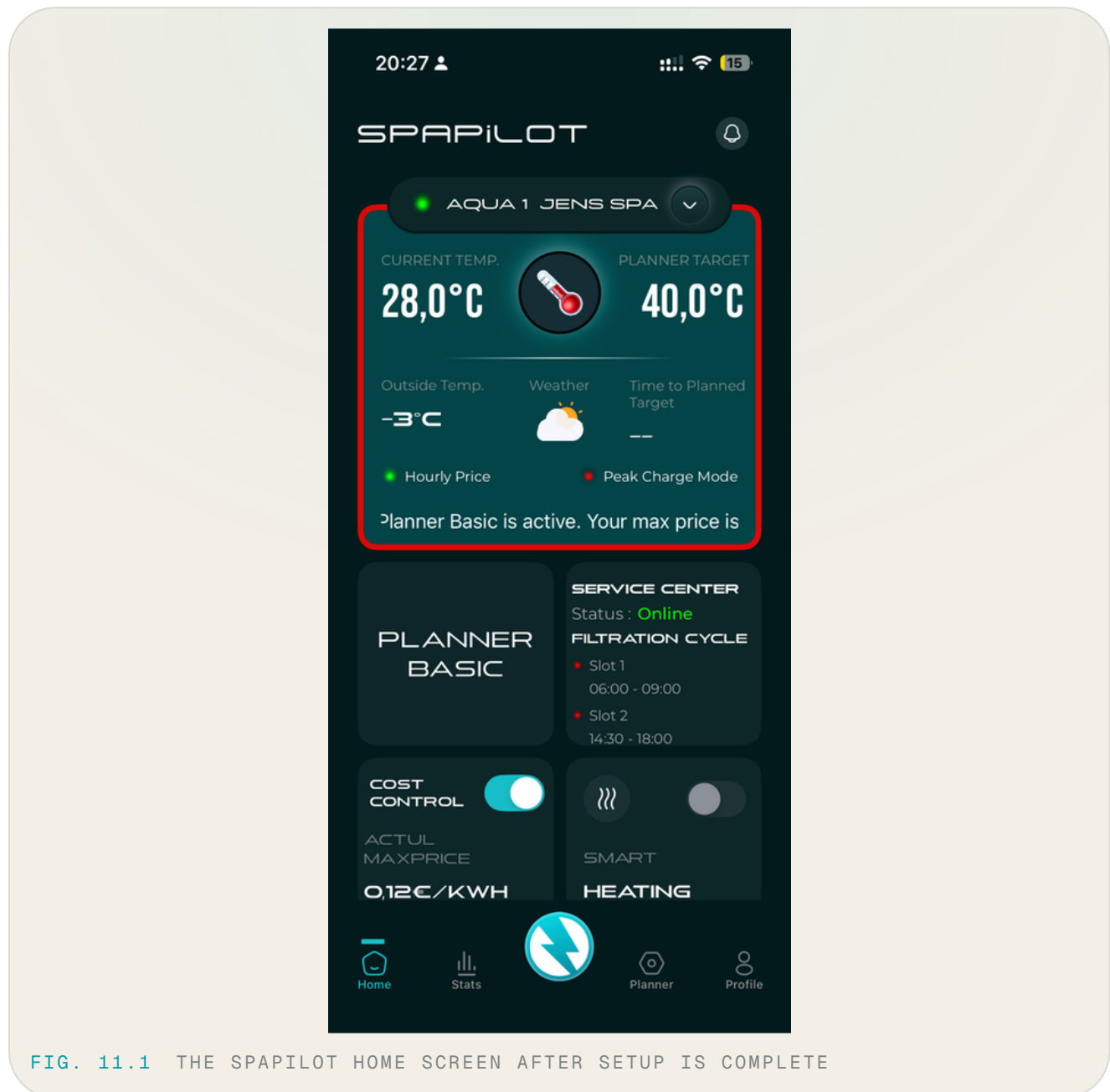


FIG. 11.1 THE SPAPILOT HOME SCREEN AFTER SETUP IS COMPLETE

TIP

Continue reading the user guide to familiarise yourself with your Spapilot app and all of its features.

Updates

Your Spapilot receives updates in two ways.

1. App updates

The Spapilot mobile app is updated through the App Store for iOS or Google Play for Android. Keep your app updated to access the latest features, improvements, and security updates. Enable automatic updates on your device for the best experience.

2. Device firmware updates (over-the-air)

The Spapilot hardware receives firmware updates over the air (OTA) when connected to Wi-Fi. These updates are installed automatically in the background. Do not disconnect the device from power or Wi-Fi during an update.

TIP

KEEP EVERYTHING UP TO DATE

Regular updates keep your Spapilot system secure, reliable, and current with the latest features. If you have any issues during the update process, refer to the troubleshooting section or contact our support team.

Technical Specifications

The key technical details of the Spapilot Box Gen 1.

MODEL	Spapilot Box (Gen 1)
POWER SUPPLY	12 V
CONNECTIVITY	Wi-Fi 2.4 GHz
OPERATING TEMPERATURE	0°C to 40°C
STORAGE TEMPERATURE	-20°C to 60°C
COMPATIBLE SPA SYSTEMS	Balboa BP series, and Gecko YE-3 and YE-5 (coming soon)
APP COMPATIBILITY	iOS and Android
LANGUAGES	English, Swedish, French, German (more languages coming in future updates)
CERTIFICATIONS	CE
WARRANTY	24 months, up to 5 years for authorized resellers
ENVIRONMENTAL	This product is recyclable, please dispose of it at your local electronics recycling facility.
SUPPORT	support@zavepower.com, www.zavepower.com

Warranty and Support

Everything you need to know about your Spapilot warranty, support, environmental commitment, and certifications.

Warranty terms

Spapilot comes with a standard 24-month warranty. If you purchased the product through an authorized reseller, a 5-year warranty applies. The warranty covers manufacturing defects and operational issues under normal use. To make a warranty claim, contact our support team with your proof of purchase and the product's serial number.

Software warranty

The Spapilot software, including the mobile app and device firmware, is provided "as is" and is covered by a limited warranty. Zavepower guarantees that the software will function as described in the official documentation at the time of delivery. Zavepower is not responsible for issues caused by third-party software, operating system updates, or user modifications. Regular updates are provided to improve performance and security, but uninterrupted or error-free operation cannot be guaranteed.

NOTE

EFFECT ON YOUR SPA'S MANUFACTURER WARRANTY

Spapilot is designed to operate fully within the parameters allowed by the manufacturers' own systems. It connects via official ports and communicates solely through existing, approved interfaces, without affecting the safety, software, or hardware of the spa system. This means our product cannot affect the manufacturer's warranty. A warranty can only be impacted if a third-party product actually causes damage or interference, which is not the case with Spapilot. We are always open to cooperation with manufacturers and distributors to ensure full transparency and confidence for our shared customers.

Support and contact

Need help? Our support team is here for you.

EMAIL

support@zavepower.com

FAQ AND GUIDES

www.zavepower.com

Environment and recycling

At Zavepower, we care about the environment. Spapilot is designed to reduce heating costs by up to 80% and lower CO₂ emissions. When your product reaches end of life, please dispose of it at your nearest electronics recycling facility. Always follow local recycling guidelines.

Safety certificates and approvals

Spapilot is CE marked and RoHS compliant, meeting European safety and environmental standards. For more information about certifications, visit our website or contact our support team.

Quick Start Guide

Get started with your Spapilot Gen 1 in just a few simple steps.

1

Unbox and check contents

Open the package and make sure all components are included, see What's in the Box for details.

2

Install the Spapilot device

Follow the installation guide to securely mount the device near your spa and connect it using the provided cable.

3

Download the Spapilot app

Search for Spapilot in the App Store for iOS or Google Play for Android, and install the app on your smartphone or tablet.

4

Connect to Wi-Fi

Open the app and follow the on-screen instructions to connect your Spapilot device to your home Wi-Fi network.

5

Pair the device

Log in or create an account in the app, then add your device as instructed.

6

Set preferences

Use the app to set your desired temperature, create heating schedules, and explore the smart features.

7

Enjoy your spa

Your Spapilot is now ready to use. Control and monitor your spa anytime, anywhere from your mobile device.

The most common questions about installing and connecting Spapilot, answered.

How do I reset the Wi-Fi connection?

To reset the Wi-Fi connection, the Spapilot box features a secondary Wi-Fi hotspot. Set your phone's mobile hotspot to match these credentials:

IMPORTANT

HOW DO I RESET THE WI-FI CONNECTION?

SSID

Spapilot Reset Hotspot

PASSWORD

Zavepwr21#&

- Go to your mobile device settings and set your mobile hotspot to match these credentials. On iPhone, you change the hotspot name under Settings, General, About, and then Name. After that, go to Personal Hotspot, allow all devices to connect, and set the password above.
- Once your device connects to the hotspot, you can modify the box's credentials as needed.

What should I do if Spapilot is not responding?

First, check the power supply and make sure your Wi-Fi is working properly. Try restarting the device by unplugging it and plugging it back in. If the issue continues, contact our support team.

How do I update the software?

The Spapilot app is updated via the App Store or Google Play. The device firmware updates automatically over Wi-Fi when a new version is available. You will receive a notification in the app when the update is complete.

Which spa systems are compatible with Spapilot?

Spapilot Gen 1 is compatible with the following control boxes:

- **Balboa BP series.** Support for BP series control boxes is available at launch. Examples of compatible models: BP601, BP6013G1, BP2100, BP7, BP8, and more. For a complete list, refer to Balboa's official documentation or contact our support team.
- **Gecko YE-3 and YE-5 (coming soon).** Support is planned for future updates and is not available at launch.

Spapilot is not compatible with the Balboa GS series (GS100, GS500, GS501, GS510DZ, GS523DZ, GS525DZ, GS750, GS1000, GS2000, GS3200, and similar), as these do not support Wi-Fi or the required integration technology. For compatibility with other brands or models, contact our support team.

Can I use Spapilot with multiple users?

Yes, multiple users can access and control the same Spapilot device through the app with the same account. Note that each time you log in, the previously active user is logged out of the app.

Where can I find more troubleshooting help or guides?

Visit our support page at www.zavepower.com/support for more FAQs, guides, and video tutorials.

Troubleshooting

Here you will find help to quickly resolve common issues with your Spapilot.

CAUTION Spapilot will not start

- TIP**
- Make sure the power is properly connected.
 - Check that the power outlet is working.
 - Try unplugging the device, waiting a few seconds, and plugging it back in.

CAUTION No Wi-Fi connection

- TIP**
- Check that your Wi-Fi network is working for other devices.
 - Ensure you are using the 2.4 GHz band, not 5 GHz.
 - Move Spapilot closer to the router during initial setup.

CAUTION The app cannot find Spapilot

- TIP**
- Make sure the Spapilot box is powered on and connected to Wi-Fi.
 - Check that you are logged into the correct account in the app.
 - Restart both the app and the Spapilot device. Turn off power to the spa and wait 10 seconds before turning the power on again.

CAUTION Spapilot does not respond to commands from the app

- TIP**
- Check the Wi-Fi connection.
 - Make sure your app is updated to the latest version.
 - Restart the Spapilot app and try again.

CAUTION Update fails or is stuck

- TIP**
- Make sure Spapilot is connected to both power and Wi-Fi during the update.
 - Restart the device and try again.
 - If the problem continues, contact support.

NOTE

NEED MORE HELP

Visit our support page for more guides and video tutorials at www.zavepower.com/support. You can also contact us directly at support@zavepower.com.

Contact Directory

How to reach us for support, sales, reseller partnerships, and documentation.

GENERAL INQUIRIES AND SUPPORT

Zavepower Innovative Technology AB

Website: www.zavepower.com

Email: support@zavepower.com

SALES AND RESELLER PARTNERSHIPS

Email: retail@zavepower.com

AUTHORIZED RESELLERS

For a list of current authorized resellers, visit www.zavepower.com/resellers

PRODUCT DOCUMENTATION AND UPDATES

Latest manuals, guides, and updates: www.zavepower.com/contactus

NOTE

GEN 1 BETA

The Spapilot Gen 1 is the inaugural version and is currently in its beta phase. As with any early version, there may be occasional issues that require troubleshooting. Our dedicated support team is committed to assisting you with any concerns or questions. We encourage all users to provide feedback, as your insights are invaluable in helping us refine and enhance the Spapilot experience. Thank you for being part of our journey toward innovation and excellence.

Please note: Zavepower has no commercial partnership with Balboa Water Group or Gecko. Any mention of the Balboa BP series or the Gecko YE-3 and YE-5 is solely to clarify technical compatibility.

SUPPORT AND CONTACT

support@zavepower.com

www.zavepower.com

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