

Package Contents

1



1-2-3 Easy Installation Guide



bwa™ Welcome Kit



bwa™ Wi-Fi Module (50350)



Y-Splitter (25657)

Connecting The Wi-Fi Module

2

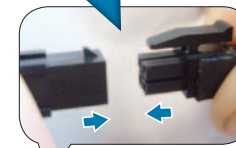


SYSTEM SIDE VIEW

Make sure the clip is in the correct position



You will hear a **CLICK** once connected.



Note: Black Wi-Fi cable.



After the Wi-Fi wire module is inserted, gently pull on the wire to make sure the clip is securely in place and will not come lose.

Finished Installation Overview

3



Note: Place the Wi-Fi module away from any metal tub supports.

WARNING!



If you do not see the Wi-Fi connector from your system. Please contact an electrician or your local spa technician to connect the Wi-Fi connector for you. **DO NOT OPEN THE SPA SYSTEM AND ATTEMPT TO CONNECT THE WI-FI CONNECTOR YOURSELF.** The high electrical voltage may harm or kill you.

What You Need

1



A smart device
(Android™, iPhone® or iPad®)



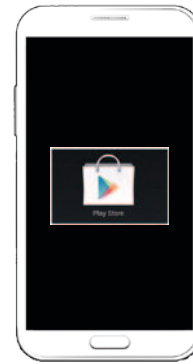
Wireless Internet Connection
(3G, 4G, or Wi-Fi hot spots)

Download App

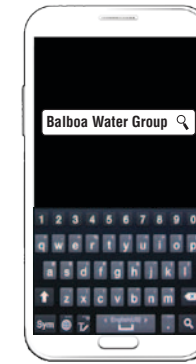
2

On a
Android™
Device

Scan QR Code
To Go Directly To
Google Play



Open Google
Play Store



Search for
"Balboa Water Group"



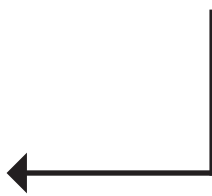
Download the App

Finished Installation

3



After downloading the bwa™ app
an icon should appear on your smart
device main screen just like below.



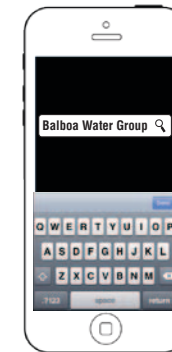
Note: If you don't see the icon on
your main screen, repeat step 2 again.

On a
iPhone®
or iPad®

Scan QR Code
To Go Directly To
The App Store



Open The
App Store



Search for
"Balboa Water Group"



Download the App

bwa™ CONTROL YOUR TUB Anytime Anywhere Anyplace



bwa APP USER GUIDE

CONTROL YOUR SPA

In Your Backyard • In Your House • In Your Office • Any Wi-Fi Hotspot • Any 3G/4G Data Network

Control your hot tub from your smartphone

The Balboa Worldwide App (bwa™), is an app for your smart device (Android™ or iPhone®) that allows you to access your hot tub via a direct connection anywhere in the local proximity of your tub, anywhere in your house that you can connect to your local Wi-Fi network, or anywhere in the World you have an Internet connection to your smart device via 3G, 4G, or Wi-Fi hot spots*.

With the bwa app, you can ensure that your hot tub will be ready whenever you want to take a dip. Instead of going outside and pressing buttons on the topside panel, the app lets you start the tub and change settings from your smartphone or tablet.

The app provides full interface control so you can set the temperature, turn pumps on and off and even set filtration cycles.



You can access your tub from the comfort of inside your home, your office before you leave work, or on your way back from your get-a-way holiday.

You can set your own mood and personal settings, so your tub is set to how you like when you arrive.

* Check with your carrier for Internet charges as the bwa app transmits data to & from a server and depending on your data plan, you may experience additional monthly data charges.

Using The bwa™ App

Now that you've downloaded the bwa app from the Google® Play or iTunes® app stores and are connected to your tub, you are ready to start using the app to control it.

Using the bwa app is just like standing next to your tub and pressing the buttons on the topside panel. That's exactly what you will be doing with the bwa app.

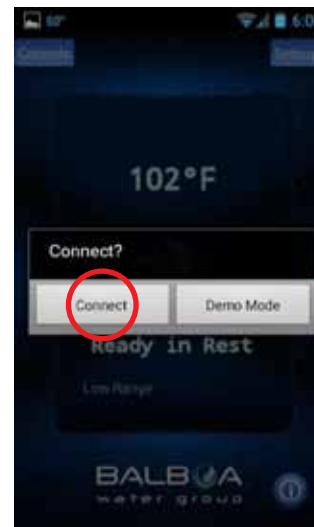
Turn your pumps on, set the water temperature, set your mood lighting, all from the convenience of your smart device so everything is just like you want it when you are ready to relax and enjoy your tub.

Start the bwa app and follow the prompts on the screen. (Your start screen maybe different.)



(In this example we are using an Android™ device. iOS® devices are similar.)

CONNECT TO THE TUB



Press the Connect button.

WAIT UNTIL YOU ARE CONNECTED



(Connection times may vary depending on how you are accessing the tub - i.e. via your home network or through the Internet Cloud.)

4

Your Single Source Solution.

We reserve the right to change technical data without further notice.

p 714.384.0384 | f 714-384-0385

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The Main App Screen

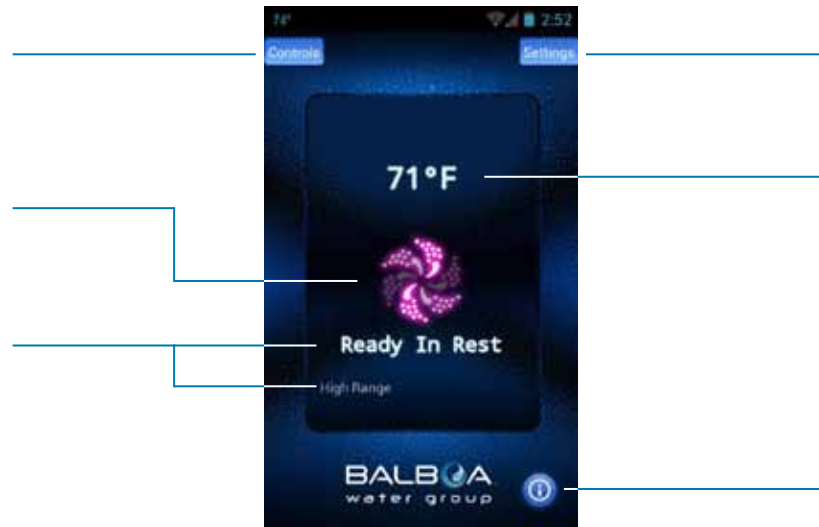
Connect Indicator - pg 9

You can also navigate to:
Controls - pg 9

Main Pump Status - pg 8

Heater On/Off - pg 8

Main Pump Status - pg 7



Settings - pg 12

Water Temperature - pg 6

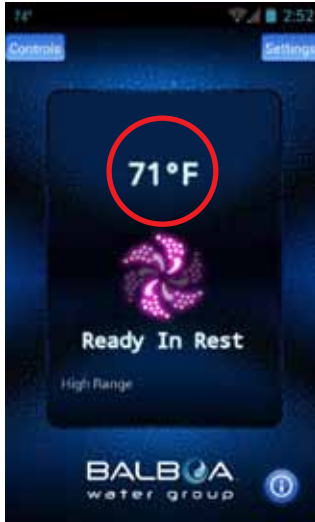
**Additional Information
- pg 17**

You are now connected to your hot tub and can control all the hot tub functions via the bwa app.

See the following pages for more details.

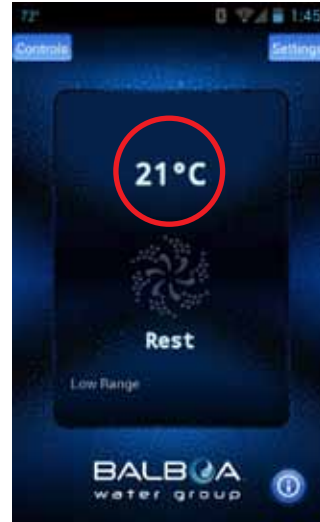
Main App Screen

WATER TEMPERATURE



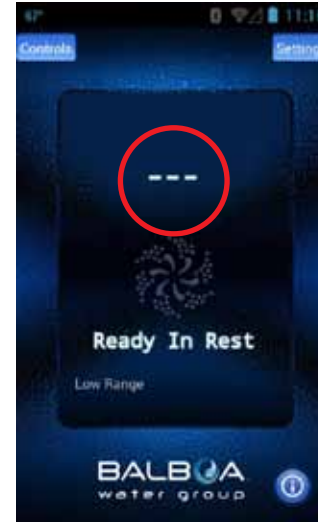
The temperature of the water is displayed.

THE TEMPERATURE CAN BE DISPLAYED IN F° OR C°



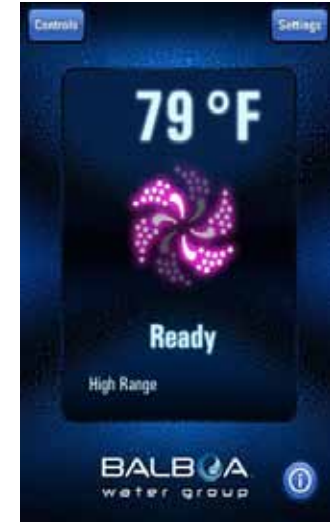
You can change the default to F° or C° on the settings screen.

OCCASIONALLY, YOU MAY SEE A - - - DISPLAYED



This is normal if the pumps have not been run for a while – the water temperature is unknown.

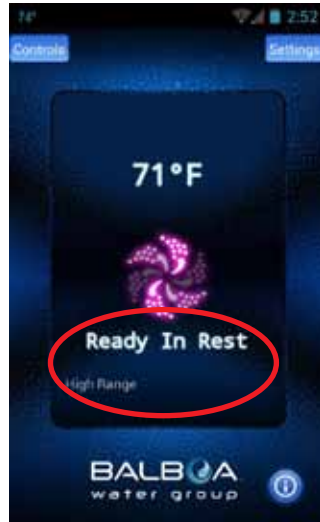
TURN ON ANY PUMP AND LET IT RUN



The system will display the temperature in about 1 minute.

Main App Screen

INFORMATION MESSAGES



In this area you will see different messages displayed. They are the same as those on the topside panel. You will see Status, Operation Mode, Reminder and others.

Some of the more common messages:

Ready – The tub will circulate water every 1/2 hour to maintain a constant water temperature and the heater runs as needed.

Rest – The heater runs only during filter cycles.

Ready in Rest – If the tub is in Rest and the Jets button is pressed, it is assumed that the tub is being used and it will run the heater to the set temperature.

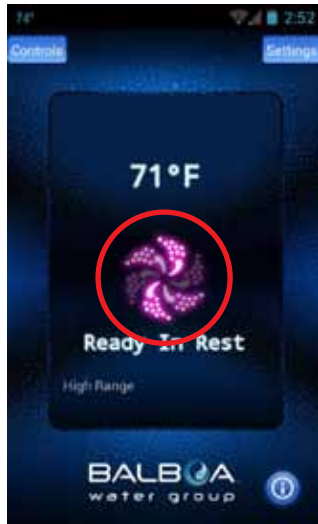
High Range – Tub is set in high range and the temperature can be set between 80°F and 104°F.

Low Range – Temperature can be set between 50°F (10°C) and 99°F (37.2°C). (Used to save energy.)

Check your tub's owner manual for other messages.

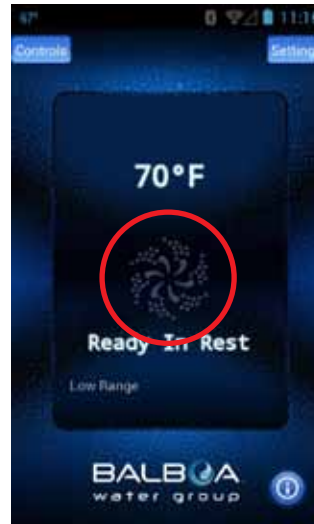
Main App Screen

MAIN PUMP AND HEATER STATUS



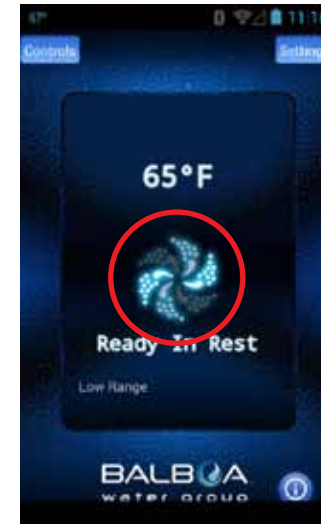
The main pump is on and the heater is on. The icon is red/pink and is moving.

MAIN PUMP AND ALL OTHER PUMPS ARE OFF



The icon is dark and is not moving.

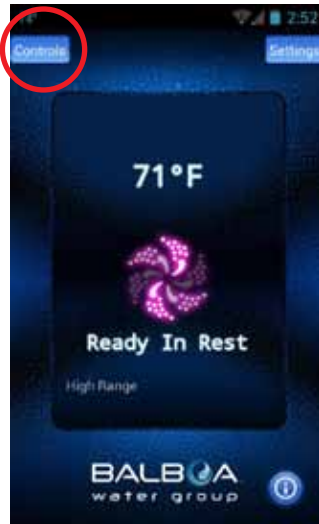
MAIN PUMP IS ON - NOT HEATING



The icon is blue/aqua and is moving.

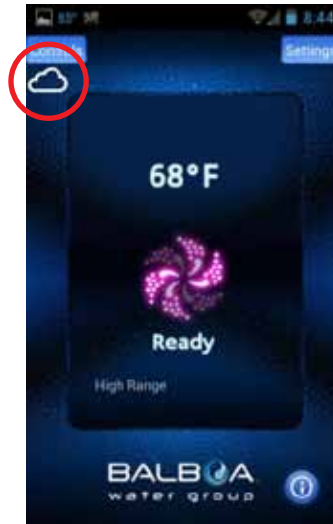
The Controls Menu

CONNECTION INDICATOR



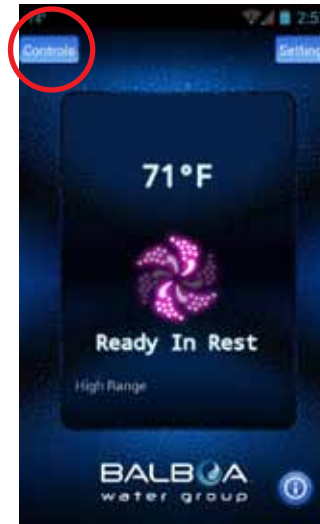
When you are at home using your local Wi-Fi connected to the tub or a direct connection, your screen will look like this.

REMOTE CONNECTIONS



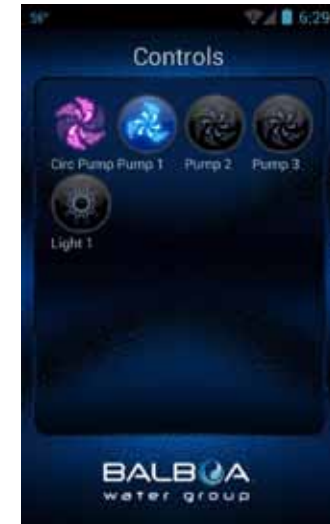
If you are using a Wi-Fi hotspot or cellular data (3G/4G) network to connect to your tub via the Internet you will see a Cloud icon letting you know you are connected remotely.


CONTROLS



To turn on your pumps, lights and other equipment, press the Controls button.

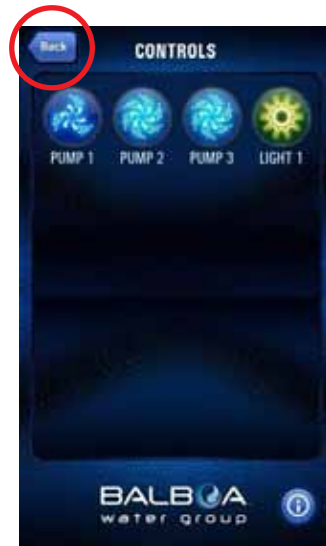
CONTROL SCREEN – ANDROID™



On Android™, use the back/return  key to return to the main app screen.

The Controls Menu Continues

THE EQUIPMENT FOR YOUR TUB
WILL AUTOMATICALLY SHOW UP ON
THE CONTROL SCREEN



On iOS® devices, you will see a Back Button that you will use for navigating between screens.

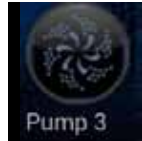
YOU CAN TURN THE DEVICES ON/OFF
BY PRESSING THE BUTTONS OF THE
EQUIPMENT YOU WANT TO CONTROL



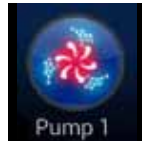
Depending on your connection (local or cloud) and coverage / data speeds, the response time for acknowledging a device press may vary. You will know the app is waiting by the small spinning dots.

The Controls Menu Continued

AS YOU PRESS THE BUTTONS, THE ICONS MAY CHANGE COLORS, CHANGE PICTURES, ETC. AS AN INDICATION OF THE EQUIPMENT BEING ON/OFF, LOW/HIGH SPEEDS, HEATING, ETC.



Device off



Pump & Heater on



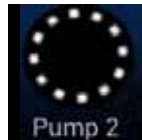
Light on



Pump on low speed



Pump on high speed



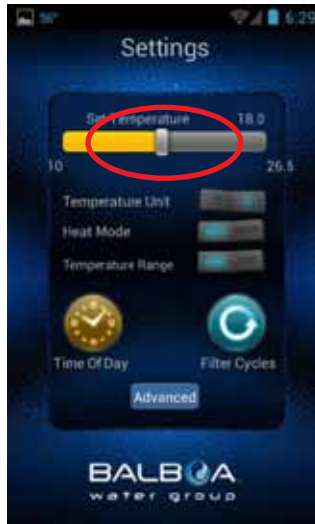
Device waiting on status



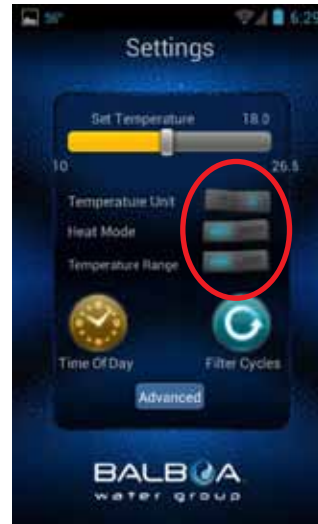
Circ Pump running (if equipped)

The Settings Menu

SETTINGS - Android™ DEVICES

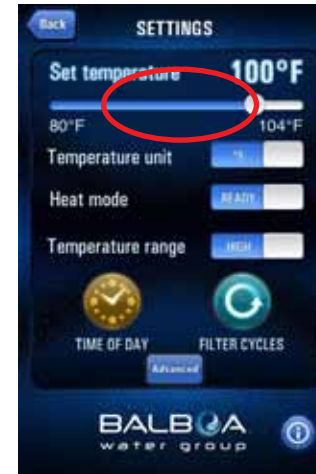


The Settings screen allows you to select the temperature of the spa, change the temperature between F° & C°, set time of day, filter cycles and more.

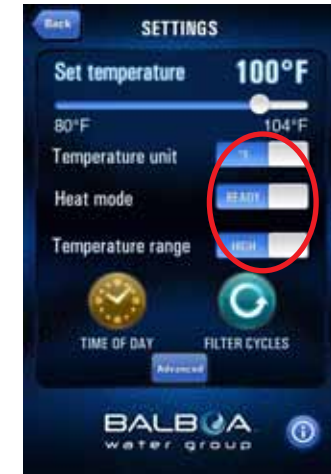


Toggle the buttons to change the temperature between F° & C°, Heat mode - Ready & Rest and the Temperature Range – High & Low.

SETTINGS - iOS® DEVICES



Slide the bar to set the temperature you want the water to heat to. The Set Temperature will adjust accordingly as you move the slider.



Slide the buttons to change the temperature between F° & C°, Heat mode - Ready & Rest and the Temperature Range – High & Low.

The Filter Cycle Menu

FILTER CYCLE



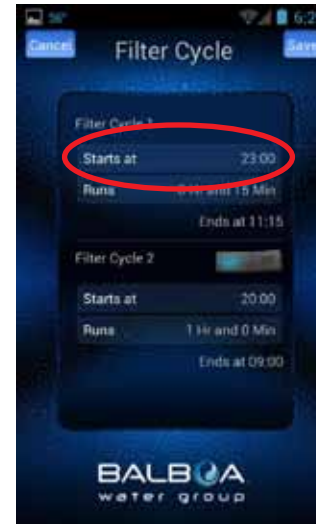
To set the filter times on your tub, press the Filter Cycles button.

YOU CAN HAVE 1 OR 2 FILTER CYCLES



Toggle (Android™) or Slide (iOS®) the button to turn on / off Filter Cycle 2.

SET THE START TIME



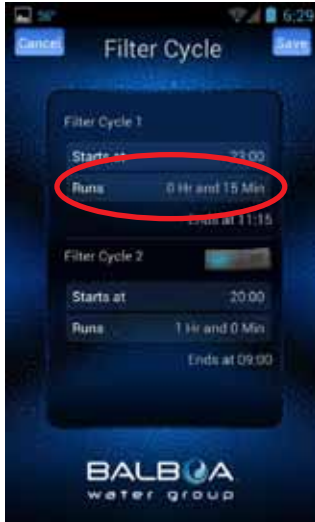
USE YOUR DEVICE'S TIME WHEEL TO SET THE TIME



Press Done when finished.

The Filter Cycle Menu

SETTING DURATION

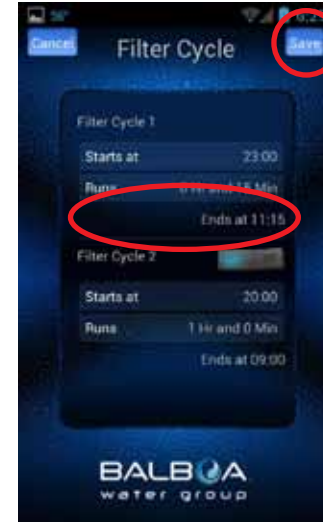


USE YOUR DEVICE'S TIME WHEEL TO SET THE DURATION



Press Done when finished.

THE SYSTEM WILL AUTOMATICALLY CALCULATE THE END TIME



This is normal if the pumps have not been run for a while – the water temperature is unknown.

Follow the same process if you are setting up Filter Cycle 2.

Use the back/return ↩ key (Android™) or the Back button (iOS®) or to return to the main app screen.

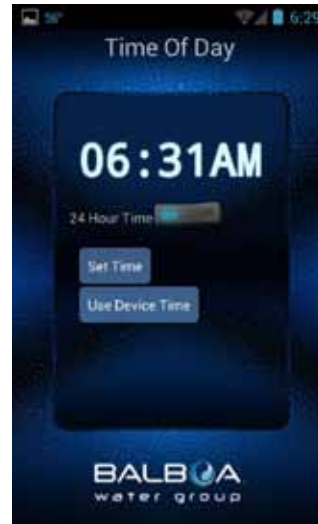
Setting Time Of Day Menu

TIME OF DAY



To set the time of day on your tub, press the Time of Day button.

YOU CAN SET 12 OR 24 HOUR TIME



Toggle (Android™) or Slide (iOS®) the button to change your preferred setting.



You can update the tub's time by using your device time or set it manually.



If you choose to set the time manually, use your device's time wheel.

Press Done when finished.

Control Your Spa: Home Network Installation Instructions...

Home Network

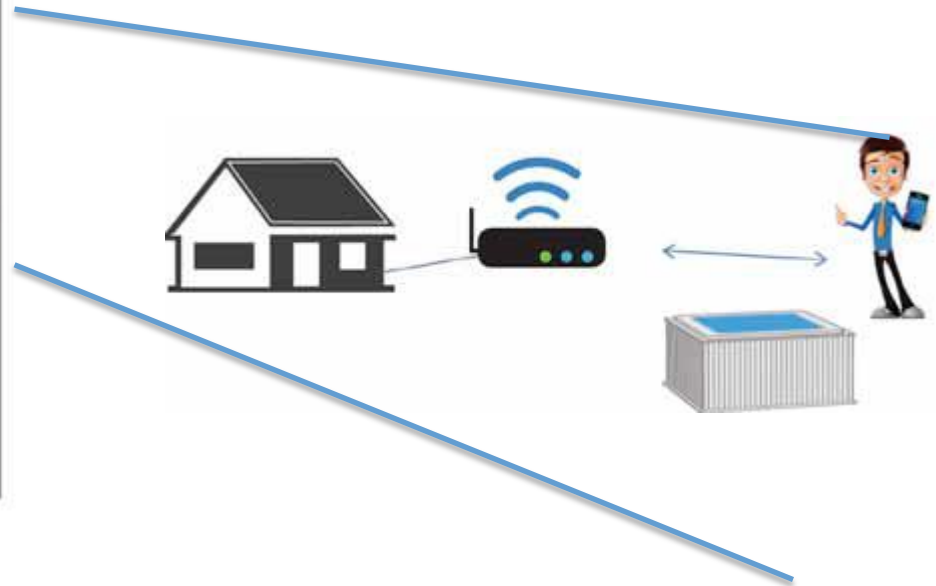
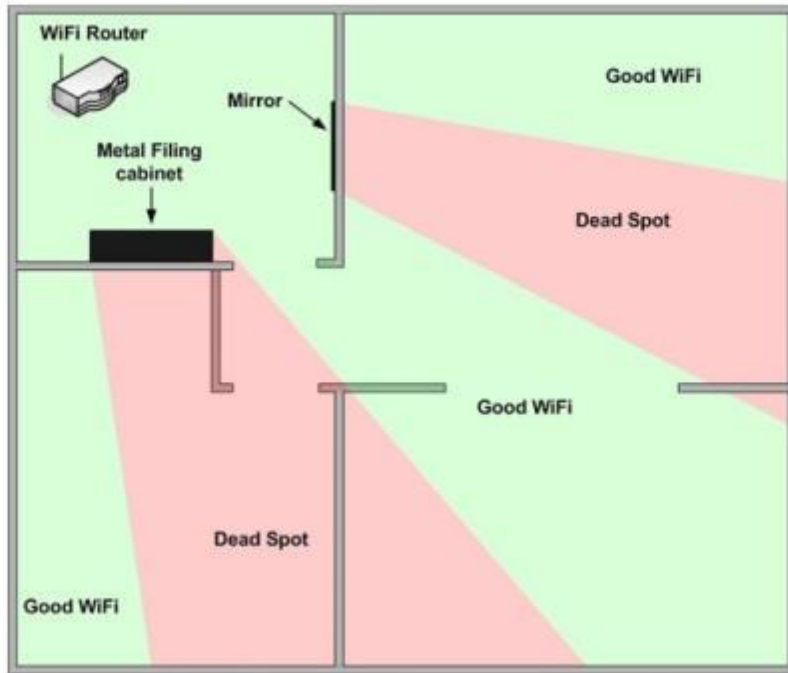
- Connect your tub to your home network

[Before you connect to your home network you must be able to see your home network from your tub.](#)



Trouble Shooting

Obstructions Blocking WiFi



Control Your Spa | Anywhere, Anytime, Anyplace

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What should my Wireless Signal Strength be for best performance?

Here are some troubleshooting tips for checking network performance of your wireless Bluesound Player.

A graphical icon will show your current signal strength range. The actual signal strength will be listed as a negative number in dBm (decibel milliwatts) in the report below the icon. As the number approaches 0, the signal strength increases.

Players with Weak (>-70 dBm) or insufficient signal strength will experience inconsistent audio caused by disconnects and constant audio buffering and may even regularly disappear from the Bluesound App or disconnect from grouped playback.



Signal Strength: **Excellent**

>-50 dBm



Signal Strength: **Good**

-50 to -60 dBm



Signal Strength: **Fair**

-60 to -70 dBm

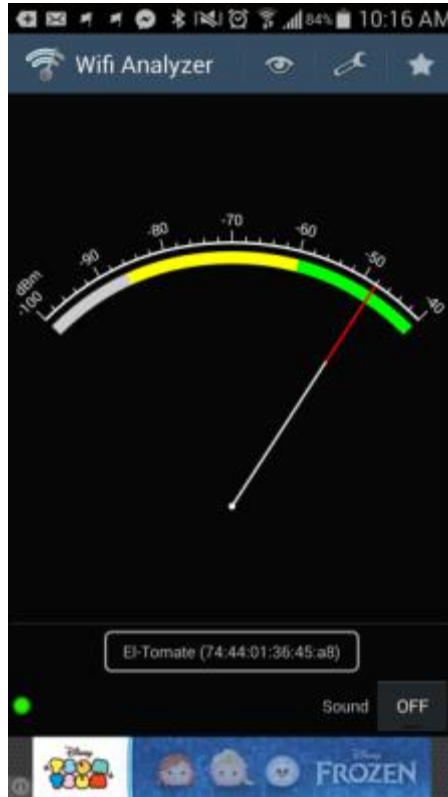


Signal Strength: **Weak**

< -70 dBm

<https://support.bluesound.com/hc/en-us/articles/201940663-What-should-my-Wireless-Signal-Strength-be-for-best-performance->

What should my Wireless Signal Strength be for best performance?



<https://play.google.com/store/apps/details?id=com.farproc.wifi.analyzer&hl=en>

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What should my Wireless Signal Strength be for best performance?

The screenshot shows a Google search for "network extenders review". The search results include a sponsored section with five product listings:

Product	Price	Retailer	Availability
Netgear - Universal Wi...	\$59.99	Best Buy	In store
Linksys - Wireless-n R...	\$59.99	Best Buy	★★★★★ (632)
Amped Wireless - Hi...	\$129.99	Best Buy	In store
D-LINK-Wirel... Range Exten...	\$34.99	Sears	In store
Netgear - Ac750 Wi-fi R...	\$80.99	Best Buy	In store

Below the sponsored results, there are two organic search results:

- Range reviews - Purchasing a Range?** (Ad) from www.consumerreports.org/. Access Ratings Before You Buy. Ratings: Site content 10/10 - Site design 9/10 - Community 9.5/10. Dishwashers - Refrigerators - Washing Machines - Dryers.
- Wi-Fi Booster Review 2014 | Best Wi-Fi Range Extenders ...** from wi-fi-booster-review.toptenreviews.com/. Wireless technology has made connecting to the internet more convenient than ever. If you're like most people, your home network includes desktops, laptops, ... Netgear - ZyXEL WAP3205 - Netgear AC750 - Belkin

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Connection advice after updates

You will need to be near your spa.

Can you see the BWGSpa-xxxxx on your wifi list on the phone?

Yes: connect to BWGSpa-xxxxx...No: you will need to reset the wifi module on the spa. In the link below you can see how to do this.

Reset wifi module: <https://youtu.be/3xDIYtV4sas>

Once you have BWGSpa-xxxxx you..

1. connect to BWGSpa-xxxxx.
2. now you can use the app as a remote near the spa.

go into the settings, go to wifi, add your local wifi with SSID and password.....now you can use the app

locally when you are in reach of your local network.

4. Go into menu, go to create account. You will see on the screen what to do. When you did create an account, you will need to login the app to control the spa away from home over the could.
power down spa and power up again.

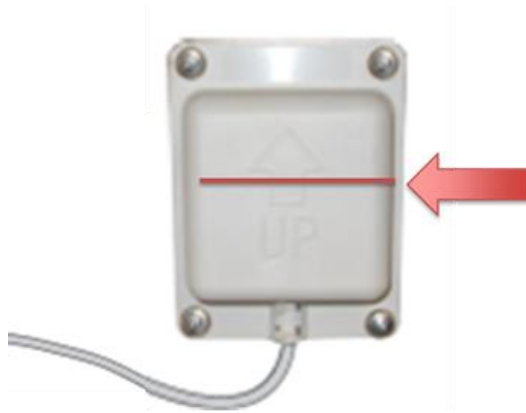
Please remember to write down all, user ID, password, confirmation questions you are asked to create, so you always have them.

In this link you will find step by step videos:

<http://www.balboawatergroup.com/bwaios>

If you change SSID / routers, you may need to “factory” reset the module.

To reset the module to factory settings, use a magnet and hold it on the right side of the module as shown below for about 10 seconds. The module should reset and you will be able to see it in the WI-FI settings.



There are 3 stages of connection for the wifi module and app.

1. DIRECT MODE: this is the first step, where the smartphone (IOS or ANDROID) connects directly to the BWA app via the network BWGSpaxxxxxx. If this connection is successful, then there is nothing wrong with the app, module and system.
2. LOCAL MODE: this is the step where you connect the module to your home router. If this is not successful, but step1 is successful, then you should be looking at the router, phone or something else.
3. CLOUD MODE: this step is only possible after you have successfully connected in LOCAL MODE. Please use this link to the full troubleshooting website of the balboa wifi module.

Please use this link to the full troubleshooting website of the balboa wifi module.

<https://bawahelp.com/>