bwa™ CONTROL YOUR TUB

AnytimeAnywhereAnyplace

CONTROLS ⚟📶🔋 6:29

PUMP 1　PUMP 2　PUMP 3

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bwa TIPS FOR A SUCCESSFUL INSTALLATION

CONTROL YOUR SPA

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

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Here are some tips that will help you get your bwa™ app installed and operational so you can…

Control your spa anytime, anywhere, anyplace…

Make sure the Wi-Fi Module was installed properly

Power off the tub. The tub must be powered off for the Wi-Fi module to initialize properly.

Plug the Wi-Fi module into a spare panel jack within your Control System. If you do not have a spare panel jack, use the y-adaptor cable (# 25657). Remove the panel connector and replace it with the y-adaptor. Then plug the panel & Wi-Fi module into the y-adaptor cable. Power the tub back on.

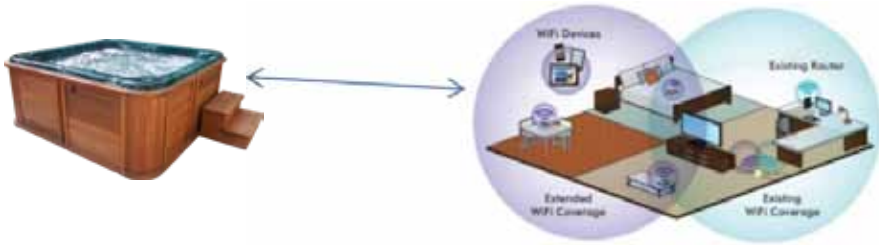Make sure the Wi-Fi Module can connect to your home network

Before you connect to your home network you must be able to see your home network from your tub.

The easiest way to check if you can see your home network from your tub is to try and connect to it with your smart device next to the tub. Open a browser window and connect to the Internet (or any other app that connects to the Internet).

While standing at your tub, if you can connect your smart device to the Internet through your home network, then the tub bwa Wi-Fi module can connect to your home network too.

Your Single Source Solution.
We reserve the right to change technical data without further notice.

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If you cannot connect to the Internet through your home network, you may need to move your router or add a repeater or some other signal booster so you can see your network at your tub.

You can also try moving the Wi-Fi module to a different spot where you do have coverage in your yard.

Or hang it on the outside of the tub instead of under the skirt of the tub.

<u>Once you can see your home network you are ready.</u>

Some other things we have seen and learned during initial setup and some ways for you to confirm things are working properly:

1. Make sure you have connected the new Wi-Fi module to the tub with the power off. The Wi-Fi module talks to the spa upon power up to get the spa configurations. If you did not do this, power down the spa and then restart it.

2. Upon first startup, the Wi-Fi module is initialized and will show BWG_SPAXXXX on your Android™ or iPhone® device. Once this occurs, keep in mind that:

   a. This is talking to the tub via direct connect and can reach about 65 feet or 20 meters.

   b. You should now test all the functions of the app in this mode to determine they are all operational.

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We suggest you check the control functions via this mode 1st before going on.

If you can control all the functions via this direct connect, you should now be able to connect the spa to your local home network.

3. Go to the Settings, Advanced, Wi-Fi settings and connect to your local home network.

   a. Make sure you select the proper password & encryption (Open, WEP, WPA)

   b. If you don't, it looks like the Wi-Fi module connects to the new network, but since the password is wrong it will not connect – you will know this because in couple of minutes the BWG_SPAXXXX will show back up in your Wi-Fi settings

4. Once you connect the app to the local Wi-Fi network, you should reconnect your phone to the same network using your phone settings.

You will now be able to control the tub from anywhere that you can connect to your local / home network.

Restart the app. You should be communicating to the spa via your local network. Check to see if all the controls function as they did in direct connect mode.

If they do you are all set up.

Once connected to the local network, the Wi-Fi module will always look for that network only.

Now you are ready to test the Internet cloud function. You can do this 1 of 2 ways –

1. Disconnect your device from the local Wi-Fi network that the spa is on.

2. Reconnect to another Wi-Fi hot spot (network like STARBUCKS®) that has Internet access or via the device's cellular data connection.

Restart the app and connect. Since you are not on the local network, the app will attempt to connect via the Internet cloud.

   a. If successful, you will see a little cloud and you should be able to control the spa functions

   b. Depending on your connection speeds, it may take up to 5 seconds for a function to acknowledge you pressed a device icon (i.e. If you press the light icon, you should see little spinning dots while the app talks via the Internet to the spa and the spa sends back a message that it changed the light)

You will now be able to control the tub anywhere you can connect to the Internet.

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bwa™ Prior Wi-Fi Module Support

The iOS® app version is backward compatible with prior Wi-Fi modules and will continue to operate as it has.

Prior Wi-Fi modules only support local direct connections and cannot be linked into a home network. They only work in the local proximity of your backyard spa.

The Android™ app is not compatible with prior Wi-Fi modules as it does not support adhoc connections.

System Requirements:

The bwa™ Wi-Fi Module supports all BP systems.

http://www.balboawatergroup.com/bwa

Trademark & Patent Notices

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Products are covered under one of more of the following US Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6282370, 6590188, 7030343, 7,417,834 B2 & Canadian Pat 2342614 plus others. Other patents both foreign and domestic applied for and pending.

Regulatory Compliance Information

United States

Contains FCC ID: W7OMRF24WG0MAMB

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

To satisfy FCC RF Exposure requirements for mobile and base station transmission devices, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during operation.

To ensure compliance, operation at closer than this distance is not recommended. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Canada

Contains IC: 7693A-24WG0MAMB

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of this device.

Le présent appareil est conforme aus CNR d'Industrie Canada applicablaes aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilsateur de l'appareil doit accepter tout brouillage radioélectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

Europe

The MRF24WB0MA/MB module conforms to the emission standards below.

Test standards ETSI EN 300 328 V1.7.1 (2006-010)

• Maximum Transmit Power

• Maximum EIRP Spectral Density

• Frequency Range

• Transmitter Spurious Emissions

• Receiver Spurious Emissions

The modules are fully compliant with:

• Radiated Emissions EN 55022

• Electrostatic Discharge EN 61000-4-2

• Radiated Immunity EN 61000-4-3

• EN 60950-1

• CE-Mark

• RoHS

The product must be disposed of separately in accordance with the local waste disposal legislation in force.

Specifications

Environmental ratings:

Humidity: Up to 85% non-condensing

Operating temp.: -20°C (-4°F) to +60°C (140°F)

Storage temp.: -30°C (-22°F) to + 85°C (185 °F)

Specifications are subject to change without prior notification.

CE   RoHS compliant   Pb Pb-Free   c ⓊL us COMPLIANT
Class 2 low–voltage Interface Module, Model bwa, File E90059.

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Intellectual Property Advisement

All Intellectual property, as defined below, owned by or which is otherwise the property of Balboa Water Group or its respective suppliers relating to the Balboa Water Group BP Spa Control Systems, including but not limited to, accessories, parts, or software relating to the "System", is proprietary to Balboa Water Group and protected under federal laws, state laws, and international treaty provisions. Intellectual Property includes, but is not limited to, inventions (patentable or unpatentable), patents, trade secrets, copyrights, software, computer programs, and related documentation, and other works of authorship. You may not infringe or otherwise violate the rights secured by the Intellectual Property. Moreover, you agree that you will not (and will not attempt to) modify, prepare derivative works of, reverse engineer, decompile, disassemble, or otherwise attempt to create source code from the software. No title to or ownership in the Intellectual Property is transferred to you. All applicable rights of the Intellectual Property shall remain with Balboa Water Group and its suppliers.

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