

# 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

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## 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.

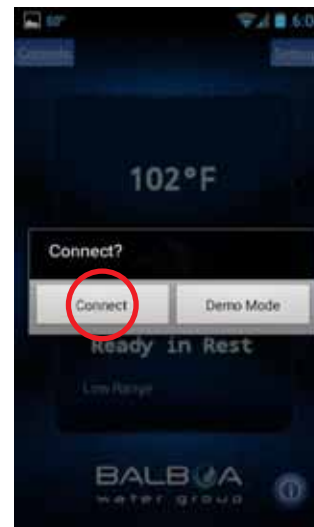
Turn your pumps on, set the water temperature, set your mood lighting, all from the convenience of your smart device so everything is just like you want it when you are ready to relax and enjoy your tub.

**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.)

# 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**

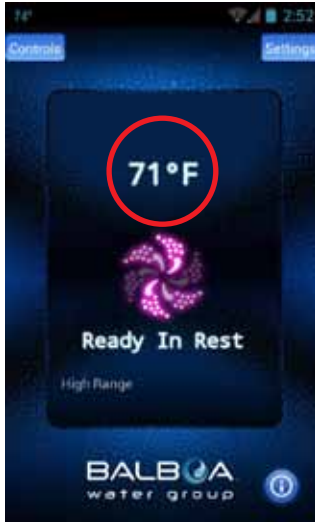
**Additional Information  
- pg 17**

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.

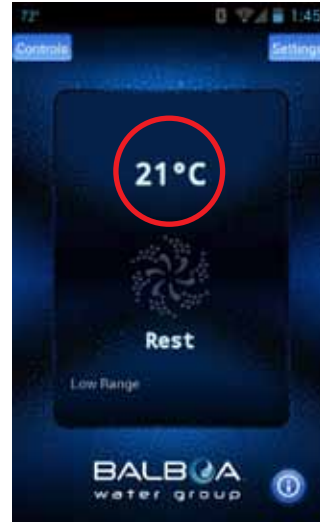
# Main App Screen

WATER TEMPERATURE



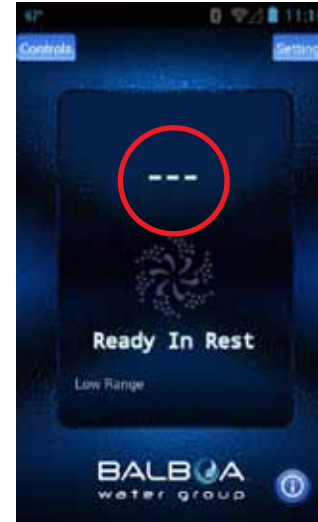
The temperature of the water is displayed.

THE TEMPERATURE CAN BE DISPLAYED IN F° OR C°



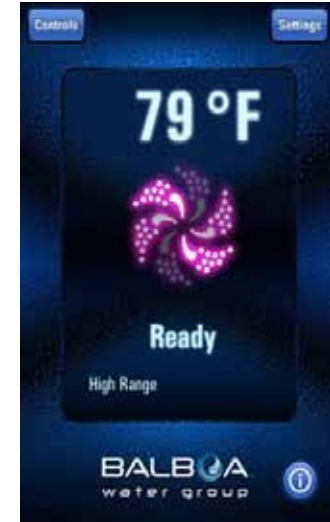
You can change the default to F° or C° on the settings screen.

OCCASIONALLY, YOU MAY SEE A - - - DISPLAYED



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

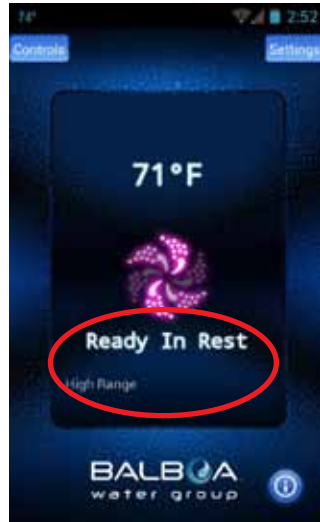
TURN ON ANY PUMP AND LET IT RUN



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.

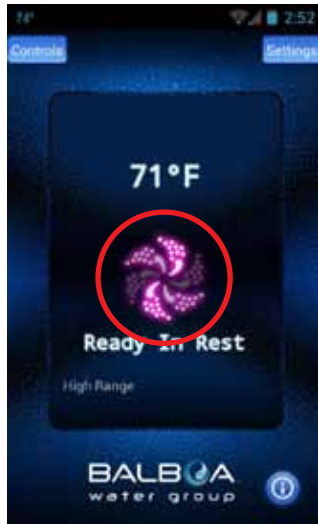
**High Range** – Tub is set in high range and the temperature can be set between 80°F and 104°F.

**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.

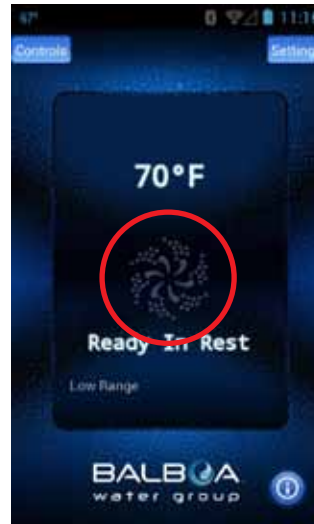
# Main App Screen

MAIN PUMP AND HEATER STATUS



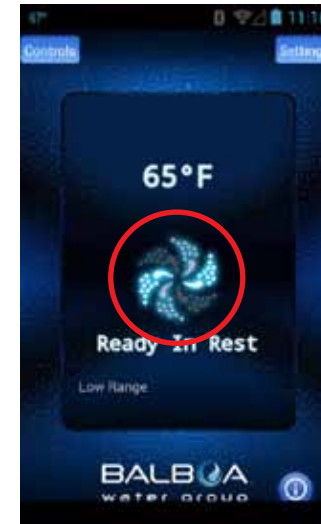
The main pump is on and the heater is on. The icon is red/pink and is moving.

MAIN PUMP AND ALL OTHER PUMPS ARE OFF



The icon is dark and is not moving.

MAIN PUMP IS ON - NOT HEATING

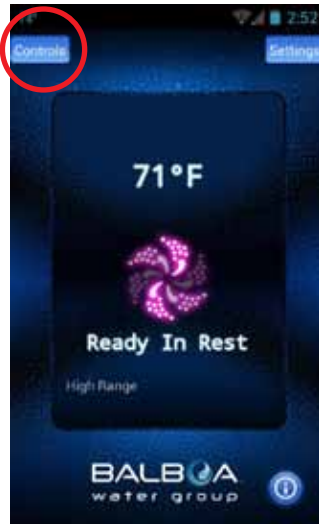


The icon is blue/aqua and is moving.



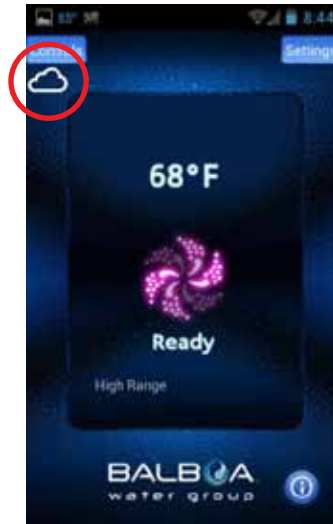
# The Controls Menu

CONNECTION INDICATOR



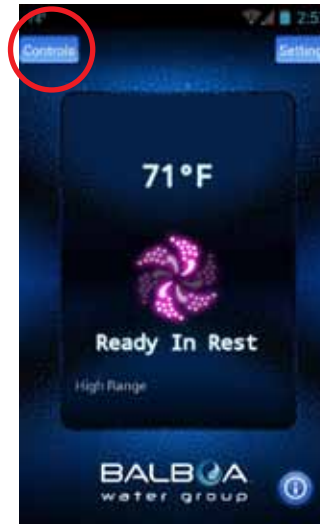
When you are at home using your local Wi-Fi connected to the tub or a direct connection, your screen will look like this.

REMOTE CONNECTIONS



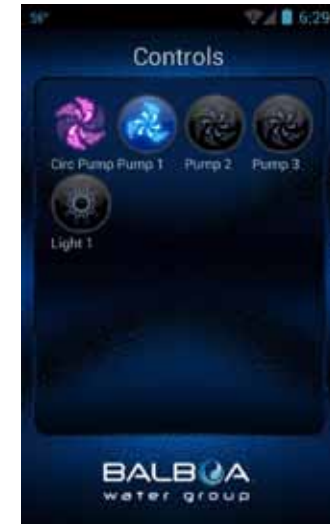
If you are using a Wi-Fi hotspot or cellular data (3G/4G) network to connect to your tub via the Internet you will see a Cloud icon letting you know you are connected remotely.


CONTROLS



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

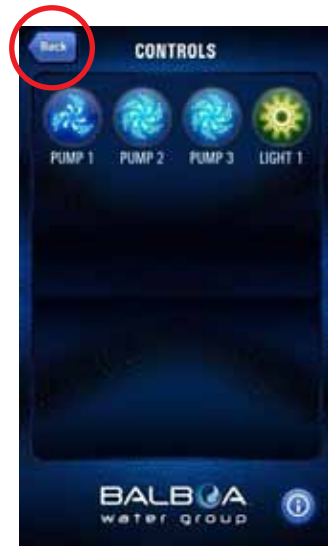
CONTROL SCREEN – ANDROID™



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

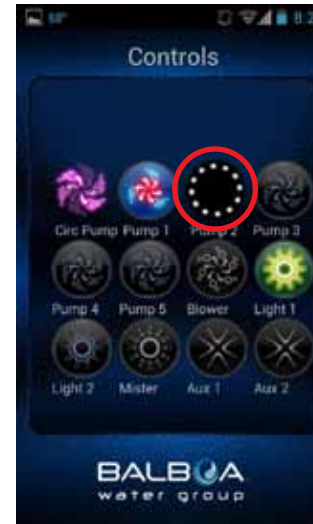
## The Controls Menu Continues

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.

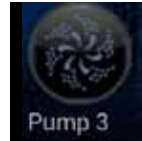
YOU CAN TURN THE DEVICES ON/OFF  
BY PRESSING THE BUTTONS OF THE  
EQUIPMENT YOU WANT TO CONTROL



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



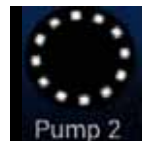
Light on



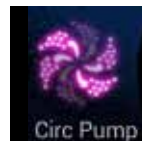
Pump on low speed



Pump on high speed



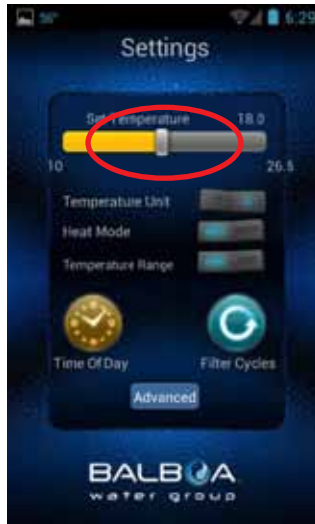
Device waiting on status



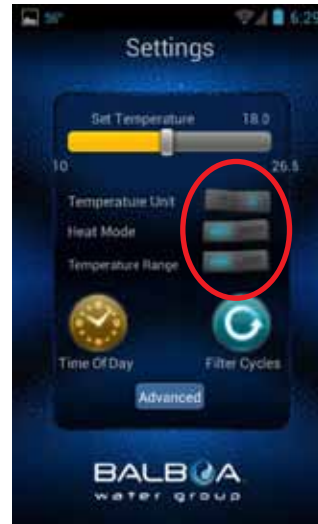
Circ Pump running (if equipped)

# The Settings Menu

## SETTINGS - Android™ DEVICES

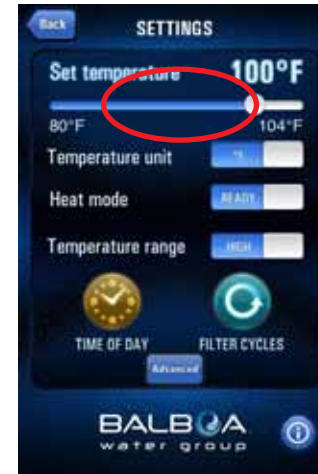


The Settings screen allows you to select the temperature of the spa, change the temperature between F° & C°, set time of day, filter cycles and more.

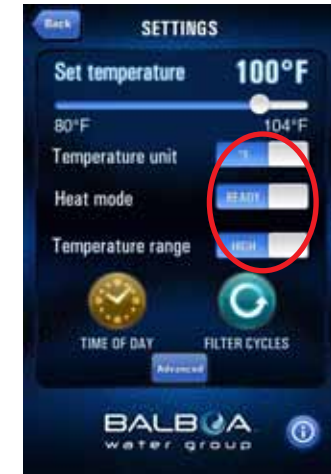


Toggle the buttons to change the temperature between F° & C°, Heat mode - Ready & Rest and the Temperature Range – High & Low.

## SETTINGS - iOS® DEVICES



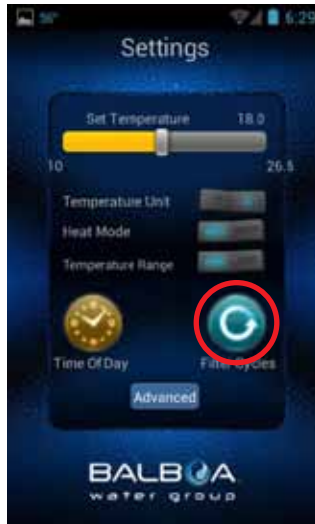
Slide the bar to set the temperature you want the water to heat to. The Set Temperature will adjust accordingly as you move the slider.



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



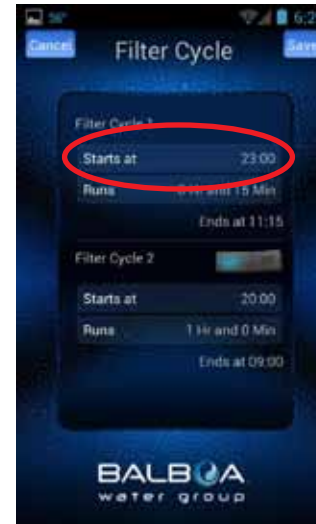
To set the filter times on your tub, press the Filter Cycles button.

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



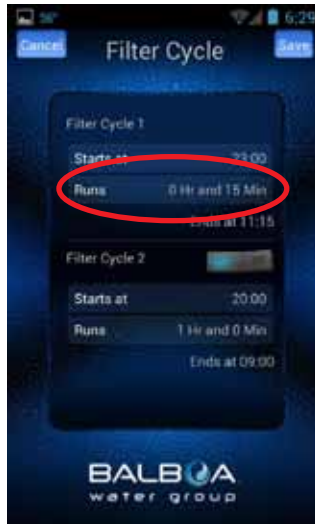
USE YOUR DEVICE'S TIME WHEEL TO SET THE TIME



Press Done when finished.

# The Filter Cycle Menu

SETTING DURATION

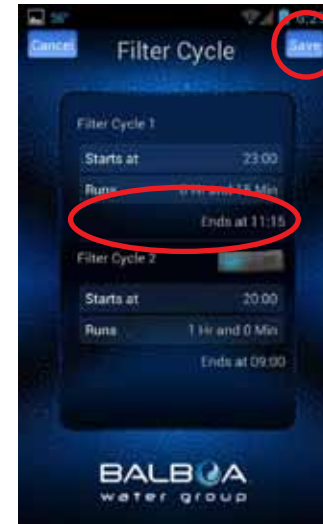


USE YOUR DEVICE'S TIME WHEEL TO SET THE DURATION



Press Done when finished.

THE SYSTEM WILL AUTOMATICALLY CALCULATE THE END TIME



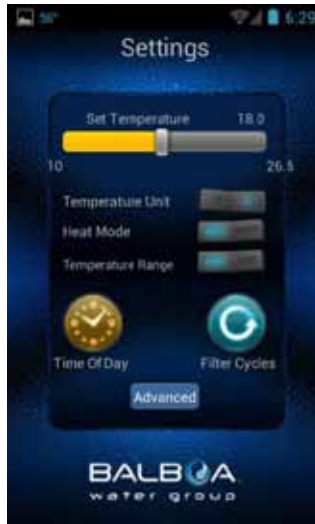
This is normal if the pumps have not been run for a while – the water temperature is unknown.

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.

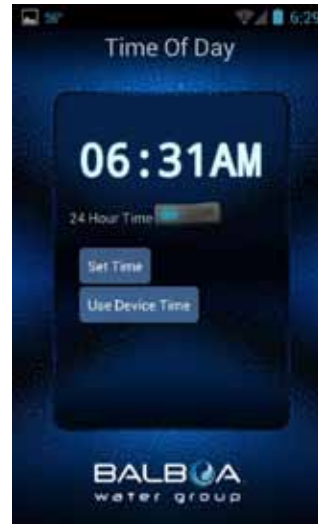
# Setting Time Of Day Menu

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.

## Advanced Settings Menu



The Advanced button is used during the setup of the local / home network connections.

This usually is a one-time operation and should not be changed after successfully setting up the tub.

For more information, check the Wi-Fi setup guide.



# Information Menu



Press the i button for additional information about the app, links to this and other on-line guides, videos, copyright notices and other pertinent details.



Press the links to open other web pages in your browser.



The link will take you to <http://www.balboawatergroup.com/bwa> for additional information about bwa™.



If you like to watch Balboa online videos tutorial on youtube click on link below. <http://bit.ly/14dlsTQ>

**THIS COMPLETES THE APP USER GUIDE. ENJOY YOUR TUB!**

## 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

The iPhone®, iOS®, iPod® touch and iPad® are a registered trademarks of Apple Inc.

The iPhone®, iOS®, iPod® touch and iPad® are a trademarks of Apple Inc., registered in the U.S. and other countries.

Android is a trademark of Google Inc.

bwa™, BALBOA WATER GROUP and the Stylized Balboa Logo are registered trademarks or applications applied for in the US Patent & Trademark Office. All rights reserved. All other product or service names are the property of their respective owners

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 aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

## Regulatory Compliance Information

L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même 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.*



## 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.

# Balboa

Water Group World-Wide

BALBOA WATER GROUP  
[www.balboawater.com](http://www.balboawater.com)

Corporate Office, Tustin, California  
**Electronic Manufacturing**  
1382 Bell Avenue  
Tustin, California 92780  
P 714.384.0384  
F 714.384.0385

Valencia, California  
**Whirlpool Spa and Bath Manufacturing**  
28545 Livingston Avenue  
Valencia, California 91355  
P 714.384.0384  
F 714.384.0385

Melbourne, Australia  
**Australian Sales Division**  
P 1.800 137 879  
F 1.800 0703 233

Varde, Denmark  
**European Sales Division**  
Roustvej 50  
DK-6800 Varde, Denmark  
P +45.75.22.46.88  
F +45.75.22.52.45

