

IMPORTANT NOTES FROM FCC CONCERNING INTENTIONAL RADIATORS
PLEASE READ AND KEEP THESE INSTRUCTIONS.

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.**

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital devices, 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 instruction manual, 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 of 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.**

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This Owner's Manual will acquaint you with the installation and operation of the FreePad Control System. We suggest that you take some time to carefully review all of this Owner's Manual. Please keep this manual available for reference.

If you have any questions about any aspect of your FreePad's set-up, operation, or maintenance, contact your authorized Spa Dealership. They are trained professionals who are familiar with the product. Their expertise will facilitate the enjoyment of your new FreePad.

IMPORTANT: Watkins Manufacturing Corporation reserves the right to change specifications or design without notification and without incurring any obligation.

Welcome

Tiger River models

Press and hold the **Tiger Key** button on the spa's Main control panel for two (2) seconds to initiate desynchronization.

Press any FreePad button to wake the FreePad. When the display illuminates, press the **Minus** button on the FreePad to complete the process.

Battery Safety Precautions

Precautions

- Keep batteries out of reach of children
- Don't mix old and new batteries, or batteries of different types (alkaline and carbon).
- If a battery leaks, remove all batteries and dispose of them in accordance with your local laws. Clean the battery compartment thoroughly before inserting new batteries. Clean by following battery manufacturer's recommendations for cleanup. Do not come in contact with fluid from the battery. If you do, flush skin with water immediately.
- Always remove old, wornout, and weak batteries promptly. Dispose of the batteries in accordance with your local laws.
- Remove batteries if your system controller is to be stored for longer than a month without being used.

Special Battery Precautions

The precautions below are to prevent the sudden release of electrolytes, which these prohibited actions can cause:

- Do not open, puncture, or mutilate the batteries.
- Do not heat batteries in an attempt to recharge them.
- Do not use a fire to dispose of batteries.

Released battery electrolyte is corrosive, can cause damage to the eyes and skin, and may be toxic if swallowed.

Regulatory Information

This product was tested and complies with the limits for an intentional emitter under Part 15 of the Federal Communications Commission (FCC) rules, and operation is subject to these conditions: (1) It may not cause harmful interference and (2) must accept any interference received, including interference that may cause undesired operation.

FreePad Model # 9920-100168
Interface Module # 9920-100167

Technical Support

If you are living in the USA, please call 1-800-999-4688 (extention 432) Monday through Friday, 8a.m. to 5p.m. Pacific Standard Time (PST) or e-mail custsvc@hotspring.com.

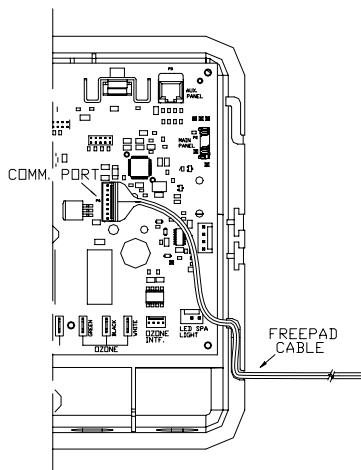
Watkins Manufacturing Corporation
1280 Park Center Drive
Vista, CA 92083

Interface Module

Installation

To install the Interface Module, the following is required:

1. Disconnect the Main Power going into the spa.
2. Remove the equipment compartment door of the spa.
3. Attach the Module to the spa using the two (2) existing screws on the Interface Module label attached to the spa wall inside the equipment compartment.
4. Open the IQ2020 Control Box by removing the two (2) front screws and front cover.
5. Attached cable to the low voltage connector as illustrated below.



6. Close IQ2020 Control Box by attaching cover and fastening using the two (2) screws.
7. Replace equipment compartment door onto spa.
8. Connect Main Power to spa.

Starting The FreePad for the First Time

Starting the FreePad for the first time requires one (1) step:

1. Installing the batteries into the FreePad.

Battery Installation

The FreePad uses three AA alkaline batteries supplied with this packet. Insert a quarter into the slot inside the plug at the bottom of the FreePad, rotate counter clockwise to open. Install the batteries with the positive (+) end towards the top of the FreePad and the negative (-) end towards the bottom. Once the batteries are installed, replace the plug and tighten with a quarter.

NOTE: It is recommended that all three batteries be replaced at the same time.

FreePad/IQ2020 Synchronization

The FreePad comes pre-synchronized to the Interface Module. Since the IQ2020 will communicate with up to eight (8) FreePad controllers, any additional controllers will need to be manually synchronized. The following is required to synchronize a FreePad controller with the Interface Module:

HotSpring models

1. Press and hold both the **Light Plus** and the **Light Minus** buttons on the spa's Main control panel simultaneously for two (2) seconds to initiate synchronization.

2. Press any FreePad button to wake the FreePad. When the display illuminates, press the **Plus** button on the FreePad to complete the process.

Tiger River models

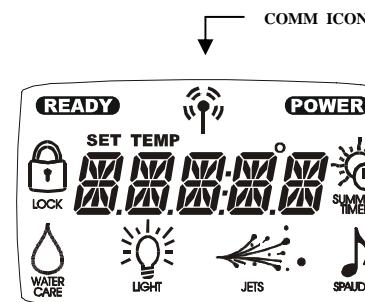
1. Press and hold the **Tiger Key** for two (2) seconds on the spa's Main control panel to initiate synchronization.
2. Press any FreePad button to wake the FreePad. When the display illuminates, press the **Plus** button on the FreePad to complete the process.

Using the FreePad

- Press any button on the FreePad to illuminate the FreePad screen.
- Press the MODE button to scroll through the different screens.
- Press the **Plus** (+) or **Minus** (-) buttons to activate or deactivate the function illustrated on the screen.
- See Control Screens section for more information.

Screen Definitions

The illustration below shows the screen elements and layout for the FreePad LCD Display. You may notice that some of these icons may not be present on your screen; this is because your spa is currently not equipped with that feature.



FreePad Control System

FreePad Overview

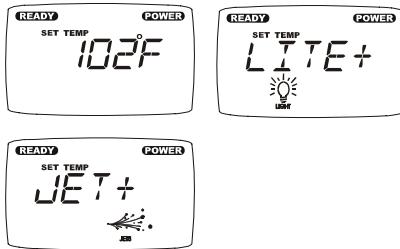
Once the batteries are installed, the FreePad will always be in one of the following modes:

1. **Communication Mode:** In this mode, the FreePad is searching for communication with the IQ2020. The Comm Icon will flash.
2. **Default Screen Mode:** Upon power-up from the Shutdown Mode, the FreePad shall display the following screen elements:
 - READY Icon
 - POWER Icon
 - Current SET TEMP Icon
 Other Icons will only be displayed if the feature is installed and currently active.
3. **Control Mode:** By pressing the MODE button after viewing the Default Screen, you will be able to scroll through the available control screens.
4. **Sleep Mode:** 10 seconds after any button is pressed, the display will go blank, placing the FreePad into a sleep mode. The sleep mode will continue for 30 minutes unless a button is pressed which would start the entire cycle over again.
5. **Shutdown Mode:** After 30 minutes of non-operation by the user, the FreePad will revert to the shutdown be display when a FreePad button is pressed.

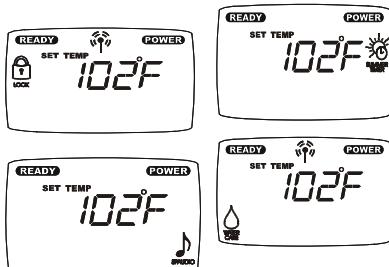
Control Screens

The control screens are displays that allow you to control a feature or setting by using the **Plus** (+) or **Minus** (-) buttons on the FreePad.

Primary Control Screen: These Control Screens appear in all FreePad configurations.



Secondary Control Screen: These Control Screens are secondary spa functions.



Troubleshooting

The FreePad display does not illuminate.

- Make sure the three (3) batteries are installed correctly inside the FreePad (see Battery Installation).
- Verify all three (3) batteries are new and an alkaline type.

The FreePad does not communicate with the Spa.

- The FreePad may be too far away from the spa (out of the 100' range)
- Spa's power is off.
- Check batteries in FreePad.
- The FreePad must be synchronized with the spa's IQ2020 Control Box.
 1. See IQ2020/FreePad Synchronization section.
 2. Desynchronize if the FreePad has been synchronized to a different IQ2020 Control Box. To desynchronize:

HotSpring models

Press and hold both the **Light Plus** and the **Light Minus** buttons on the spa's Main control panel simultaneously for two (2) seconds to initiate desynchronization.

Press any FreePad button to wake the FreePad. When the display illuminates, press the **Minus** button on the FreePad to complete the process.

Welcome

Congratulations on your purchase of the *FreePad Control System* – a two-way RF remote control designed to communicate uniquely with the IQ2020 Spa Control System. The FreePad is the first of its kind, allowing you to operate all electronic spa functions from anywhere within a 100 foot radius of the spa.

Exciting Features

The FreePad's many features will enhance your ability to control the spa:

- The FreePad is equipped with an LCD screen to display all of the spa's electronic functions. By pressing any button, the FreePad screen will power-up.
- The LCD Backlight illuminates the screen whenever a button is pressed and will automatically shut off after 10 seconds unless a button is pressed again.
- The FreePad uses only 3 buttons, this makes it very simple to operate. Scroll through all the screens using only the **MODE** button.
- Two-way communication between the FreePad and the Main Control Box. What this means is that the IQ2020 will inform the FreePad of all the spa's current usable functions and its status. On the other hand, the FreePad upon demand may request the Main Control Box to perform any of the spa's available functions.
- The FreePad is submersible in up to 5 feet of water.
- Unique Synchronization assures that only your FreePad will operate your spa.

Screen Display

Your spa's features will determine how many of the following screen displays you will see:

1. Default, Set/Display Temperature
2. Jet 1 Control
3. Jet 2 Control (if available)
4. Clean-up Cycle Control
5. Light Control
6. Music Control (if available)
7. Advance Light (if available)
8. Temperature Lock
9. Spa Lock
10. Summer Timer
11. Synchronization (if enabled)

Product Contents

Contents within this packet includes the following items:

- Owner's Manual
- FreePad Controller
- Three AA alkaline batteries
- Interface Module
- Mounting Screws (4)
- Wall Mounting Bracket

Interface Module

The Interface Module is used to receive, send, and interpret signals between the IQ2020 Spa Control System and the FreePad.

Installing the Interface Module requires the following:

1. Remove the equipment compartment door of the spa.
2. Attach the Module to the spa
3. Attach the cable inside the IQ2020 control box.

If this procedure sounds too difficult, have your authorized dealer install this unit.

Watkins Manufacturing Corp.

FreePad Control System Limited Warranty

One Year Limited Warranty

Watkins Manufacturing Corporation warranties to the original consumer purchaser at retail that the FreePad Control System, when installed in an approved Hot Spring® Spa model (2001 or later), shall be free from damage and defects in material and workmanship for a period of one (1) year from the date of the original consumer purchase at retail. Replacement of batteries is excluded from this warranty.

Extent of Warranty

This warranty extends only to the original consumer purchaser at retail of the FreePad Control System and terminates upon any transfer of ownership by the original consumer purchaser prior to the expiration of the warranty period.

Warranty Performance

In the event of any malfunction or defect covered under the terms of this warranty, a Factory Authorized Service Agent of Watkins Manufacturing Corporation will repair or replace the FreePad Control System. Freight, transportation, and labor required to effect the repair of the FreePad Control System are not covered under this warranty.

Watkins Manufacturing Corporation maintains an extensive service network throughout the United States and Canada. In the event the consumer purchaser should be unable to obtain either service or satisfactory service from

a Factory Authorized Service Agent, notify the service department of Watkins Manufacturing Corporation. Written notice of any malfunction or defect must be given within ten (10) days of the time the malfunction or defect is discovered, and must be accompanied by the original purchase receipt of the spas and the FreePad Control System which shows a date of purchase. Notice must be given to Watkins Manufacturing Corporation.

Acts Invalidating Warranty

The warranty is void if the FreePad Control System should be subjected to alteration, misuse or abuse, or if any repairs on the FreePad Control System are attempted by anyone other than a Factory Authorized Service Agent of Watkins Manufacturing Corporation. Misuse or abuse includes any operation of the FreePad Control System other than in accordance with Watkins Manufacturing Corporation's printed instructions.

Disclaimers

Watkins Manufacturing Corporation shall not be liable for loss of use of the FreePad Control System or other incidental or consequential costs, expenses or damages. Any implied warranty shall have the duration of the applicable warranty stated above. Under no circumstances shall Watkins Manufacturing Corporation or any of its representatives be held liable for injury to any person or damage to any property, however arising.

Some states do not allow the exclusion or limitation of incidental or consequential damages; therefore, the above restriction may not apply.

FreePad Control System



**From the Makers
of Hot Spring®
Portable Spas**