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Warnings



WARNINGS:

Before installing or connecting the unit, please read the following.

- * FOR OPTIMUM PERFORMANCE PLEASE CAREFULLY READ THE MANUAL BEFORE INSTALLATION.
- * INSTALL THE MODULE AT LEAST 12 INCHES (30 CM) AWAY FROM ANY METAL PART OR ANY METAL FOIL.
- * THE MODULE SHOULD BE INSTALLED SO IT CAN BE RELOCATED UNDER THE SPA TO OBTAIN THE OPTIMUM RECEPTION SPECIFIC FOR FINAL INSTALLATION OF THE SPA IN THE YARD.
- * TO SATISFY FCC RF EXPOSURE REQUIREMENTS FOR MOBILE AND BASE STATION TRANSMISSION DEVICES, A SEPARATION DISTANCE OF 8 INCHES (20 CM) OR MORE SHOULD BE MAINTAINED BETWEEN THE IN.TOUCH MODULE 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.

Compatibility requirements

In.touch module:

Model: 0608-521012 IN.TR-IT-P1-P2-P3-P4-CO
Model: 0608-521011 IN.TR-IT-P1-P2-P3-P4-P5

Spa controller compatible:

Aeware in.pac with compatible software revision

In.touch application:



Compatible with:

iPod touch 3g - 4g

iPad - iPad 2

iPhone 3G - 3GS - 4 - 4S

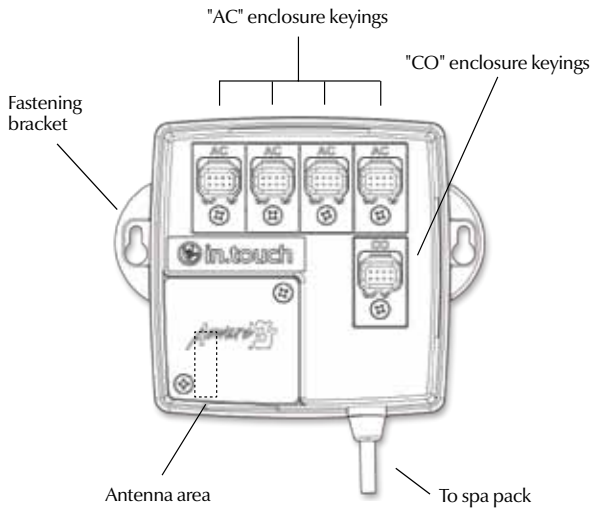
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in.touch™, in.xm2™, and in.therm™, and their respective logos are Trademarks of Gecko Alliance Group.

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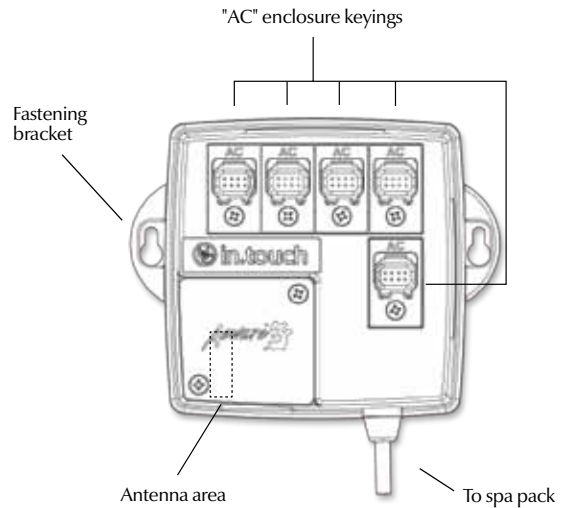


Overview

Model: 0608-521012
IN.TR-IT-P1-P2-P3-P4-CO



Model: 0608-521011
IN.TR-IT-P1-P2-P3-P4-P5



OEM installation

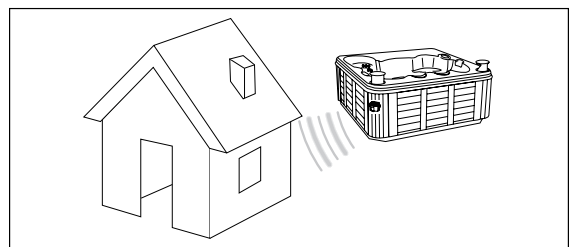
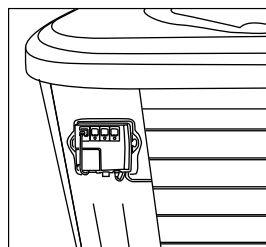
The unit must be installed under the skirt, at least 12 inches (30 cm) away from any metal component or structure. This is necessary to ensure the proper transmission.

In some cases, it will be necessary to relocate the unit once the spa is installed in the yard, to ensure the proper signal transmission and distance. Install the in.touch so the module can be repositioned by spa owners to optimize the signal strength in their yard.

We recommend that you install the unit with #8 PAN head screws.

Here are suggestions for a successful installation:

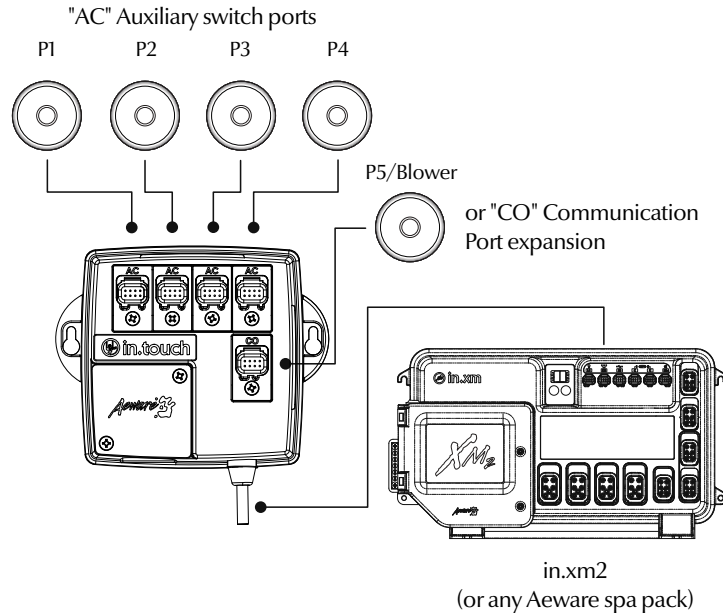
- Install the unit as high as possible in the spa skirt, but keep it away from the spa frame if its metal.
- Route the cable and leave some loose, so the in.touch can be moved in case of reception problems.
- Installing the in.touch in a corner of the spa may help to avoid metallic components in proximity of the in.touch.
- The in.touch module should be installed as close as possible to the house to optimize the signal strength. It is recommended to install the side of the spa with the in.touch module facing the house, to increase the signal.





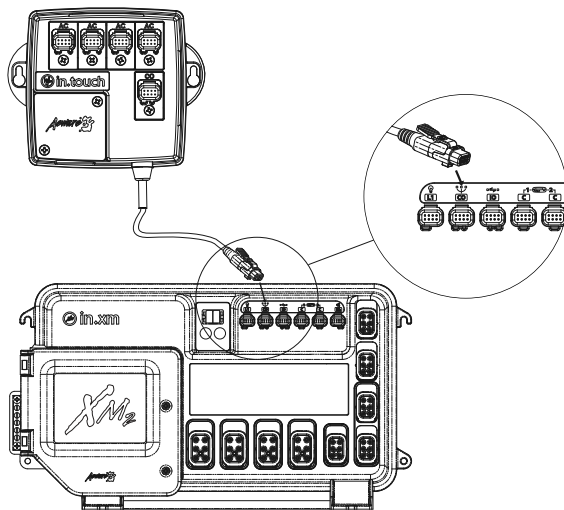
Connections

There are two different models of the in.touch module; one model has 5 ports to connect auxiliary keys "AC" and the other has 4 ports for auxiliary keys plus a communication port "CO". Those switches will turn the corresponding accessories on and off.



Set up the in.touch system

Turn off the power before connecting the in.touch to the Aeware spa pack (in.xm2 or other compatible model). Simply connect the in.touch to the Aeware spa pack (See the illustration). The cable of the in.touch module should be connected to the CO port of the spa pack.



Note: Before powering the Aeware spa pack, make sure all accessories are linked to the bonding connector and connected to the spa pack. Make sure that the spa pack door is closed, then turn on the breaker.

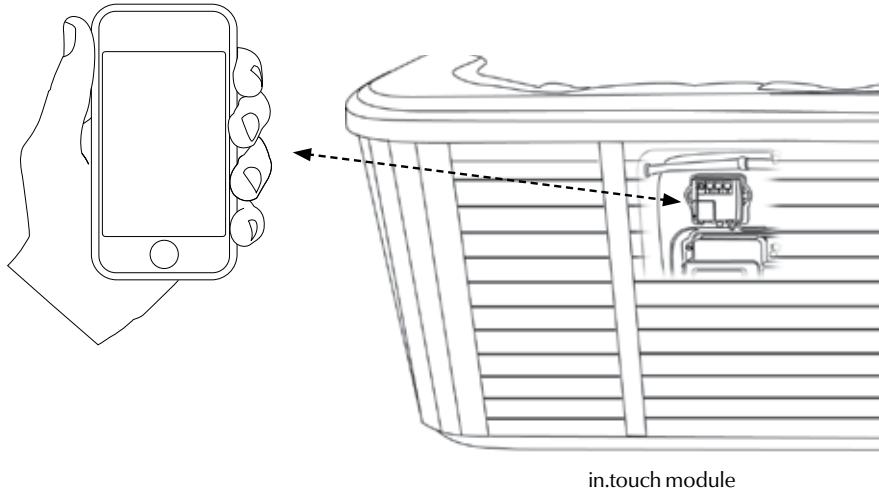
For more details, please refer to the techbook for your Aeware spa pack. Please refer to the web site in the section in.touch to see the list of Aeware spa packs compatible with the in.touch module.



Connect your iDevice with your spa

The in.touch module has a built-in Wi-Fi transeiver that allows you to communicate with your favorite iOS devices. The connection will be point-to-point (ad hoc mode) with your spa.

The following steps will show you how to connect with your spa.



Download application

The in.touch application has been designed to enhance your interaction with your spa. This app is waiting for you at the App store – search for in.touch then click on it to install it.



Set the connection

On your iDevice, go to the Wi-Fi section of Settings. The network named in.touch should appear on the list. Press on it to select the in.touch network.

Once you've selected it, wait until the Wi-Fi icon appears on the top left corner of the screen. This icon shows that your iDevice is now connected to the network.

Please note that with some iDevices and different versions of the iOS, the icon may not appear as connected even if it is connected. After 30 seconds if it does not appear, make sure that the in.touch network is checked and proceed to the next step.





Start the in.touch application

Find the newly downloaded in.touch application, then tap on it to open it.

The page Configuring a Spa will then appear. Once you are connected to the in.touch (described in the previous step), tap *Done*. You're now ready to control your spa!



Home page

The in.touch home page is your portal to warm water therapy.

On this page, you have access to the popular spa features you want: spa experiences for any mood, easy access to each device on your tub, the industry's easiest water care management, temperature setting, maintenance reminders, and new products and features from your spa manufacturer.

When all accessories appear, your app and your in.touch are ready to be used.





Spa section

The first section indicates your spa name. If you are in Demo Mode, it displays Demo.

Tapping on this section opens a spa menu.

The spa menu lists all available spas. Each spa is displayed with its MAC address and its name. You can select the spa that you want to control from the list or tap on *Demo* to open the spa page in Demo Mode. You can change the spa name by tapping on the blue arrow to open its spa configuration page.



In the spa details page,

- you can rename your spa
- you have information about system software releases (in.xm, in.therm)
- you can rename all spa accessories





Spa Experiences

Choose one of the pre-set experiences by tapping on it: *Beach Party* (all on), *Gentle Movement* (pumps, blower and lights on low), *Kids* (the perfect mood for youngsters) or *Relaxation* (a silent soak). To customize your favorite setting, choose *His* or *Hers*, adjust the settings to your needs, and save. Your customized profile will be ready to use every time, and can be changed as needed.



Each accessory will start as it is configured in the spa experience that is selected. For safety reasons, all accessories start with a delay to prevent from overcharging the system. You will see the accessory icons turn on one after another.

Save spa experience:

If you change the accessories programmed in a spa experience by tapping on an accessory icon, a *Save* key appears and you have the option to save the new program.

Save key





Start accessories

To start an accessory, tap on the icon. The icon will be grey and inactive for few seconds before turning on and becoming animated. Icons on the in.touch screen will reflect the speed or state of the devices running on your spa.

When an accessory is started, a runtime icon appears on the upper right hand side of your screen. It indicates the remaining running time of the accessory. When several accessories are running, the first selected accessory fixes the runtime.

Stop accessories

You can stop an activated accessory by tapping on the accessory icon one more time. For multi-speed accessories, tap again until the device turns off.

You can tap on the large button *Tap here to turn all accessories off* to turn off all accessories at the same time.



Water temperature

The temperature screen allows you to modify the temperature of your spa. It is also possible to override the water care by activating the Manual Economy Mode. In economy mode the temperature setting will be maintained 20°F* less than the set point.

*Default pack value





Water Care

The Water Care section will help you set up your filtration and heating settings. Choose from *Away from Home*, *Beginner*, *Energy Savings*, *Super Energy Savings*, and *Weekender*, depending on your need.



To modify a Water Care setting just tap on the blue arrow. It will open the selected Water Care menu.

In Energy Savings mode, the set point will be reduced by 20°F*, which means that the heating system will not be engaged unless the temperature falls to 20°F below the spa's set temperature.

The filtration schedule shown on the screen will apply to the main filtration pump, most likely pump 1. If your spa uses a circulation pump configured to run 24 hours, the screen will show you the purge setting instead of filtration. The purges are pre-programmed for a fixed number of minutes, therefore the duration time will not appear on the screen, and only the start time can be modified.

You can return to the manufacturer settings by tapping on *Factory Settings* key.



*Default pack value



You can modify the programmed schedules by selecting one and adjusting the schedule using the scroll wheel that appears.

You have several possibilities to set the schedule (Mon-Fri, weekend only, all week, or single days). The schedules are recurrent and will be repeated every week. The time and duration are set in 30 minute increments.



You can also add or delete a schedule by tapping the *Edit* button. Use the heating and filtration buttons to add a new corresponding schedule that you can configure as you wish.

The *Water Care* key returns you to the Water Care menu.





Maintenance

The in.touch will remind you to perform the required maintenance tasks on your spa, such as rinse filter, clean filter. Each task has its own reminder duration based on normal usage. The period can be changed by the owner.

Once the task is completed, the owner should press *Completed* to reset the count down.



Error Management

If an error occurs in the spa, the error message will appear in the maintenance area of the main screen.

Tap on the error to see the details.





The next screen shows you the list of errors that are present in your spa.

Note that more than one error can occur at the same time and some errors can be linked together. Solving one may resolve another.

Start at the top of the list, if there is more than one, and tap the error to get details about how to troubleshoot it.



Once you tap the error, a screen will show you the detailed explanation of how to solve the problem.





Updating in.touch

Updating your in.touch app will provide you with the latest features for controlling and using your spa.

When your iDevice alerts you that your in.touch app needs to be updated, install it on your iDevice. The latest version of in.touch will directly update the in.touch system. Follow instructions on the display to complete the download.

Upon opening, the app will alert you if your spa needs to be updated.

You can select *Update* for an immediate start, or select *Later*. If you choose to update at a later time, the app will remind you each time you open in.touch, until it is up-to-date.

Note: Update your app each time you receive an update prompt from the App store.



For a successful update, keep your in.touch app connected to your spa during the entire download cycle.

The update could take several minutes.





Please let the update run until the Update Success alert appears.

Tapping on *Done* will complete the update process and the app will return to the spa control page. Your spa is now ready to use.



If the update fails, the app will automatically try again several times.
If the update consistently fails, the Update Failure message will appear.

See troubleshooting section for more information.





Troubleshooting

Wi-Fi Alert

If your iDevice has communication issues with your in.touch module, the in.touch app will display an alert message. Make sure you are within range of the in.touch system before attempting to solve the problem.

Network error:

The in.touch app has difficulty communicating with your in.touch. Don't do anything, it will try to connect to your in.touch again.

If the alert does not disappear after 2 or 3 minutes, or if a Wi-Fi Alert appears during this delay, please close your in.touch app.

Open the app again.



Wi-Fi Alert :

Your iDevice is not connected to the in.touch network anymore.

Please close your app, go to Settings on your iDevice to reconnect it to the in.touch network. If the in.touch network isn't available anymore, please restart your in.touch module, reconnect your iDevice on the in.touch network when it becomes available, and you will be able to enjoy your spa with your iDevice again.

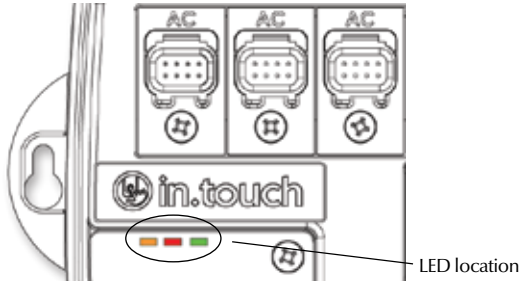
If the problem persists, please contact Gecko Alliance for support.





LED

The in.touch module has three LEDs that can be used for troubleshooting purposes. The LEDs are located behind the accessible cover on the front of the unit. The cover must be removed in order to see the LEDs.



The following table shows the different states of the in.touch module and the LED states for each condition.

Situation	Sequence	Orange	Red	Green
Normal use	At start-up, waiting for the in.touch network availability.	ON	OFF	OFF
	In.touch network available	Flashes twice/sec	OFF	OFF
Update	Updating in.touch software (Phase 1)	Flashes very fast	OFF	OFF
	Updating in.touch software (Phase 2)	OFF	OFF	Flashes very fast
Error	In.touch network not available, restart your in.touch ⁽¹⁾ .	OFF	OFF	OFF
	Firmware not loaded in in.touch, return unit for replacement	Flashes ⁽²⁾	Flashes ⁽²⁾	Flashes ⁽²⁾
	Failure of the in.touch, return unit for replacement	OFF	ON	OFF

Update failure

Update Failure reason	Action to resolve the issue
The iDevice isn't connected to in.touch network	Get out of the in.touch application and completely close your app ⁽³⁾ . Go in the Settings of your iDevice, Wi-Fi menu, select the in.touch network and wait 30 seconds, then re-launch the in.touch application. If the in.touch network does not appear in the Wi-Fi list, power down and power up the spa, wait 2 minutes ⁽¹⁾ and check again. If problem persists change the in.touch module.
Your iDevice closes due to low battery power	Close your app, recharge your iDevice and try again.
You close or put in background your app during the update	Completely close your app. Open it again. Do not close your app during an update.
You moved too far from the in.touch module, your iDevice lost the in.touch connection	Return near your spa, connect your iDevice to the in.touch network again and re-open your app.
An error occurs in files transfer and the max retry count is reached	Completely close your app and restart your spa before trying again.

If the problem persists, please contact Gecko Alliance support for a unit replacement.

Note (1): Please, wait 2 minutes to let the Wi-Fi module re-established the in.touch network. If the problem persists, please contact your spa dealer.

Note (2): The three LEDs are flashing one after each other, in the order orange, red then green.

Note (3): To close it: double press the main key of your iDevice to pull up the open applications. Press and hold the icon until it jiggles, then tap on the x in the corner



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)

Regulatory Compliance Information

United States

Contains FCC ID: W7OZG2100-ZG2101

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: 8248A-G21ZEROG

Europe

The MRF24WB0MA/MRF24WB0MB module has been certified for use in European countries. The following testing has been completed:

Test standard ETSI EN 300 328 V1.71 (2006-10):

- Maximum Transmit Power
- Maximum EIRP Spectral Density
- Frequency Range
- Radiated Emissions

Test standards ETSI EN 301 489-1:2008 and ETSI EN 301 489-17:2008:

- Radiated Emissions
- Electro-Static Discharge
- Radiated RF Susceptibility

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.

