PRODUCTION BOOKLET

NTS
NESPA TILED SPAS

PRECISION CRAFTED. BUILT TO LAST.

| LANAHAN RESIDENCE

530.534.9910 | JIM@TILEDSPAS.COM | NESPA.NET

2800 RICHTER AVE. SUITE C, OROVILLE CA 95966

Important Spa Information

Inportant - Keep This Booklet

Please retain this owner's manual in a safe location for future reference. This manual is specific to your NESPA spa and contains your spa's unique identification information, including the model number, serial number, equipment specifications, and warranty records. This information may be required when requesting technical support, warranty service, ordering replacement parts, or scheduling future maintenance.

In addition to your spa's identification records, this manual contains important operating instructions, startup procedures, maintenance recommendations, troubleshooting guides, and safety information that will help you properly operate and care for your spa throughout its service life.

Spa Model	3588
Spa Serial Number	LANAHAN 06/26 B20316.5-AOP AC
Date Purchased	
Date Installed	
Spa Dealer’s Name	
Spa Dealer’s Phone #	
Spa Dealer’s Address	

Congratulations!

You’ve purchased a Nespa Tiled Spa. With a little preparation and care, your spa will give you many years of enjoyment. This booklet has been designed to provide you with all of the information you’ll need to ensure a safe, speedy, and trouble-free spa delivery and installation.

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Proposition 65 (FOR CALIFORNIA RESIDENTS ONLY)



RECOMMENDED MAINTENANCE

Please Note:

These are only recommended guidelines to care for a Nespa all tiled spa. Local codes may require additional procedures, therefore consult with a pool professional that is LA county Health Department ceritfied for more information on local codes and requirements.

SPA SURFACE

Your spa tile is acid resistant and frost-proof. The Tile does not absorb germs or algae. Tile does not stain and is very easy to clean. Color does not fade or loose its luster. All grouts are epoxy based and are extremely durable. To remove scum line use soft nylon brush and small amounts of biodegradable soaps. Do not use abrasive brushes or chemicals.

MAINTENANCE

A. CHEMICALS:

1) **It is important to maintain a chlorine residual of 2 PPM in the spa. That residual can be provided by chlorine or bromine.**
2) **It is recommended to use Bromine or dichlor (granular) forms of chlorine. If bromine Tabs are used we suggest floating or inline dispenser.**
3) **Never use acid to lower Ph in the tile spa.**
4) **Never use trichlor chlorine (1" or 3") tablets in the Nespa spas.**
5) **Never place tablets in skimmer basket.**

B. DRAINING THE SPA:

1) **It is recommended to drain the spa at least once every 2 months depending on bath load and water clarity.**
2) **The spa should be drained through valve exiting re-circulation pump in the spa equipment room or sump pump.**
3) **Note: Use caution to drain spa in the winter months or rainy season when water table is at its highest. It is possible for the spa to float due to hydraulic pressure from surrounding water table. We advise that you consult with your local spa specialist prior to draining the spa.**

C. SPA EQUIPMENT:

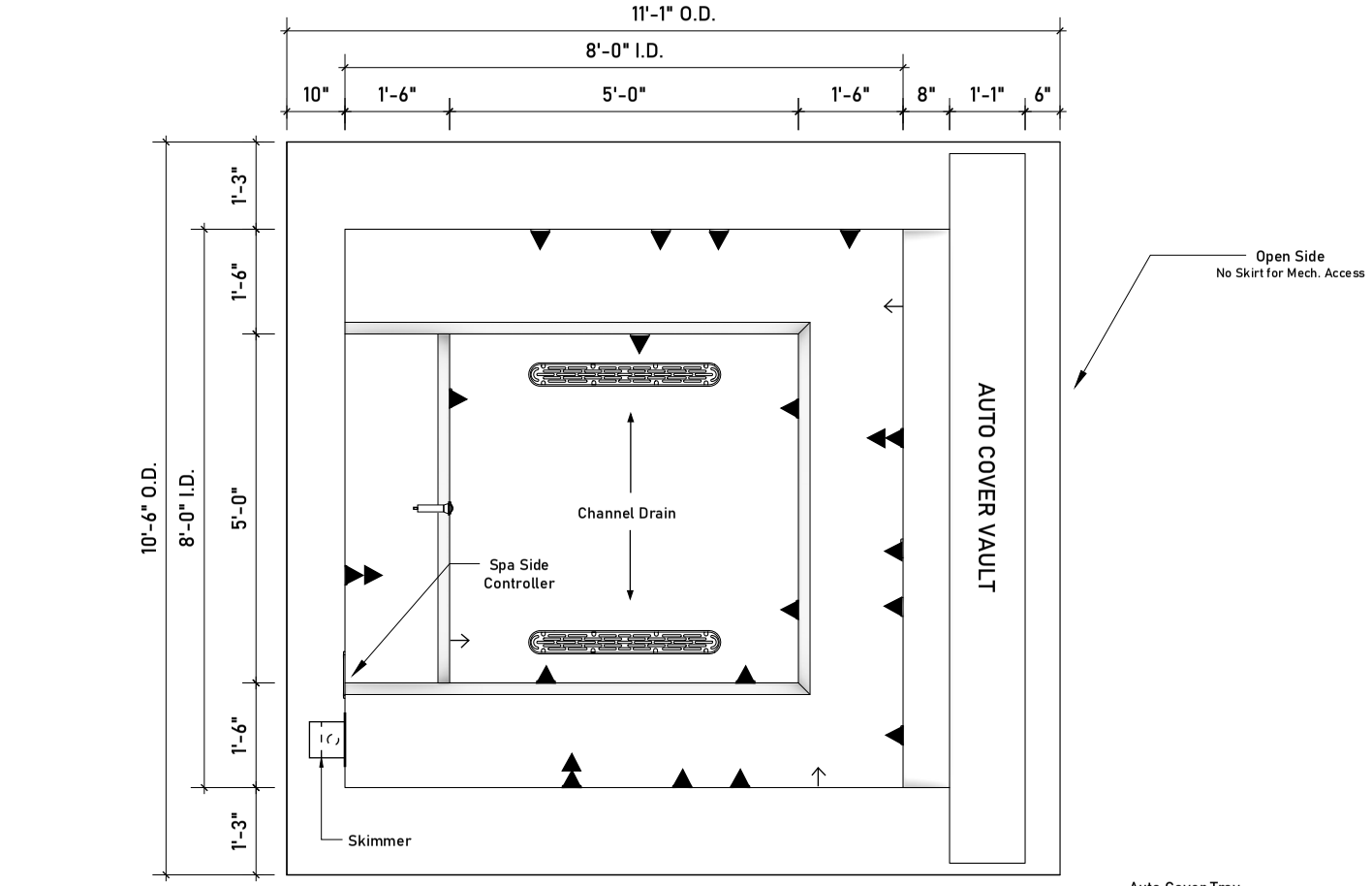
1) **Clean filter cartridge at least once every month, or when needed; i.e., if water clarity does not improve after several days.**
2) **Keep area free and clear from leaves and debris build-up.**
3) **Keep area free and clear from flooding.**

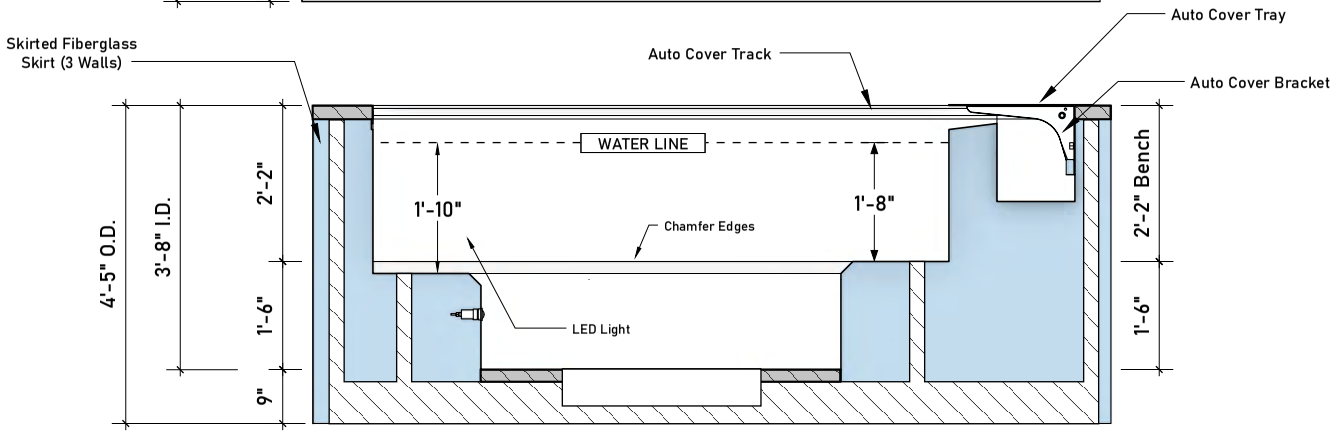
D. SPA LIGHT:

1) **Spa light has to be on GFCI circuit. It is controlled at spa side with ON/OFF.**

E. TILE SERVICING:

1) **Contact manufacture when servicing tile or grout. @ (530) 534-9910**





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NTS NESPA TILED SPAS

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2800 Richter Ave, C
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SPA SPECIFICATION	
SHELL WEIGHT	2,500 Lbs.
WATER WEIGHT	9,580 Lbs.
TOTAL SHELL & WATER WEIGHT	12,080 Lbs.
WATER GALLON	1,150 Gal.
SPA OVERALL DIMENSION	11'1" x 10'6" x 4'5"
SPA INSIDE DIMENSION	8'0" x 8'0" x 3'8"
WATER DEPTH	3'2"

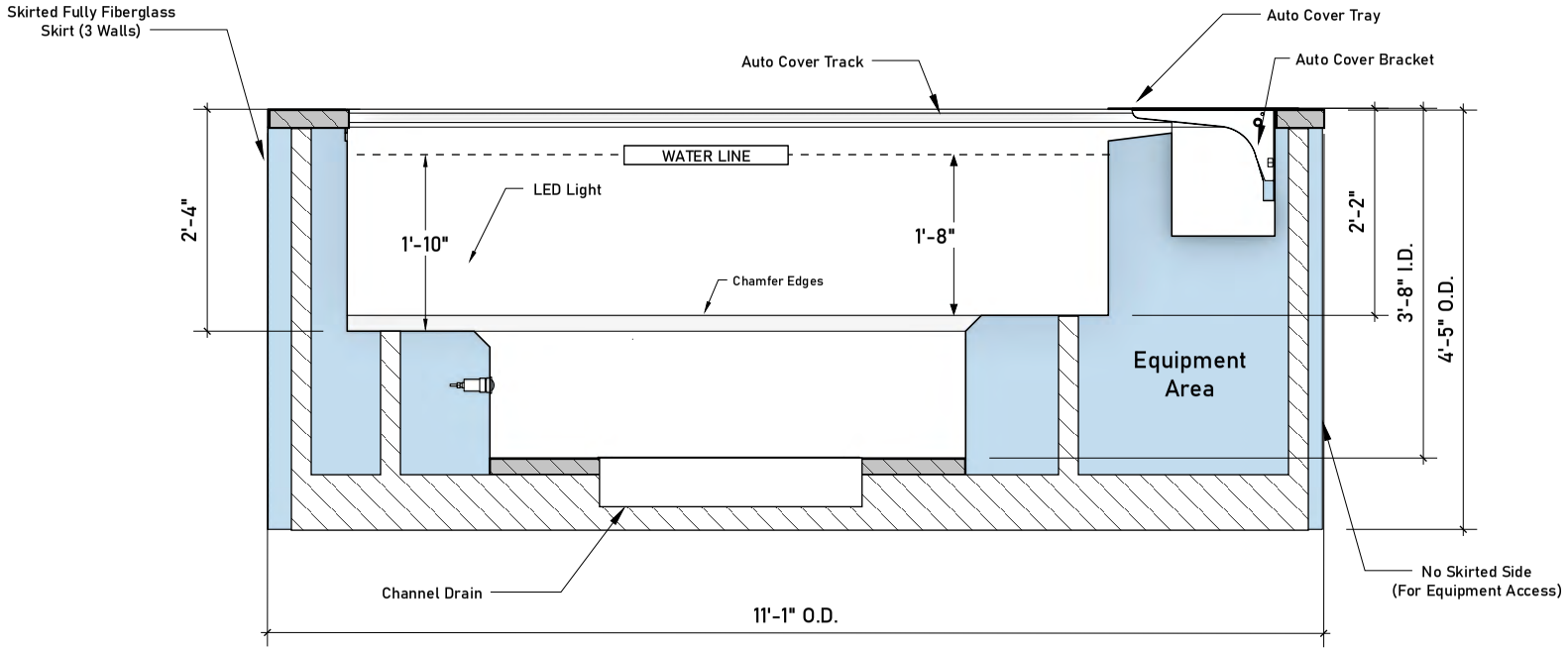
SPA DATA		
ITEM	NAME	Qty.
	Spa Side	1
	Jet	22
	Return	3
	Fill	0
	Light	1
	Skimmer	1
	Suction	0
	Main drain	2
	Handrail	-

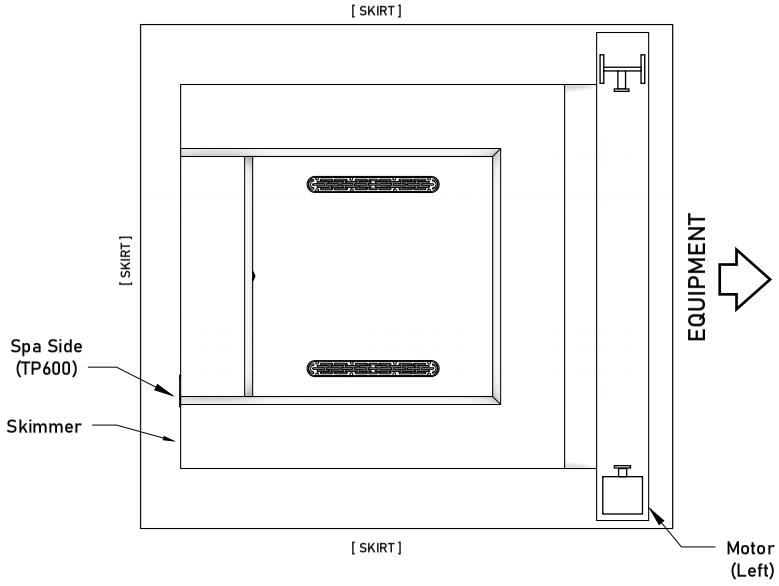
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Page
SPA DETAIL

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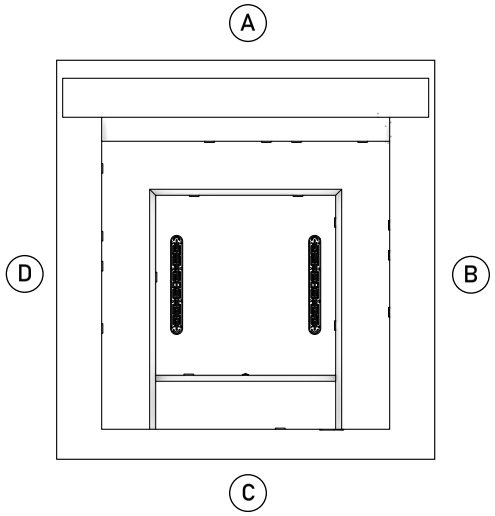
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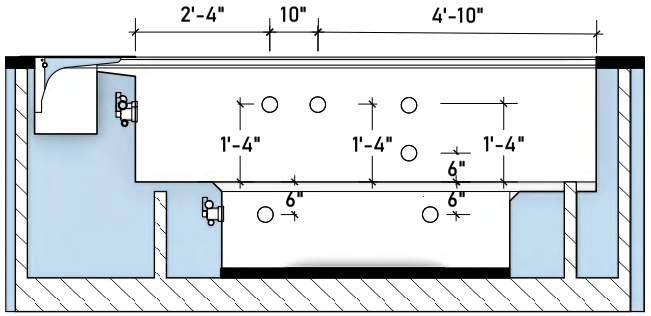
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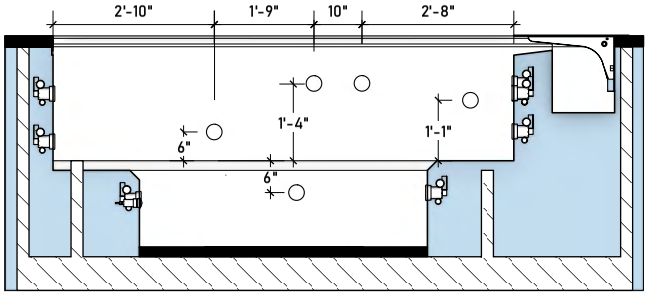
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SPA DETAIL

LANAHAN PROJECT

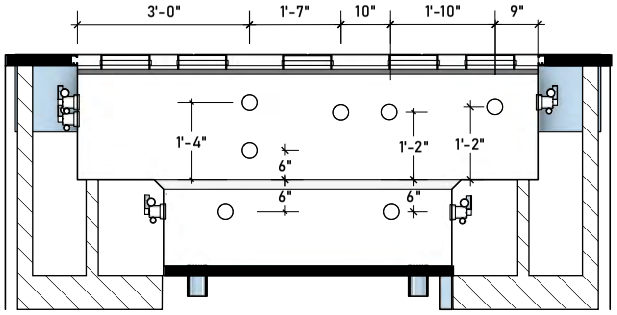




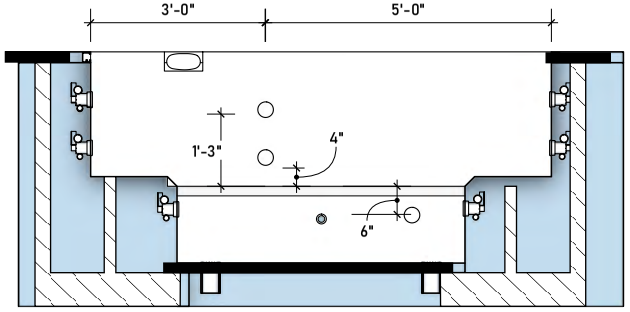
B



D



A



C

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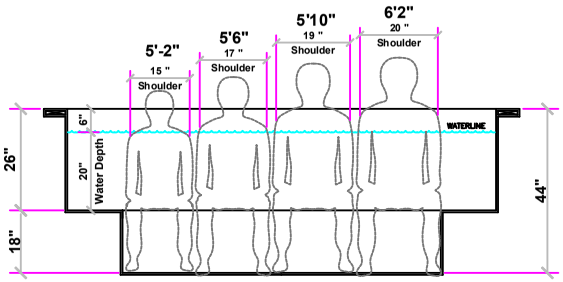
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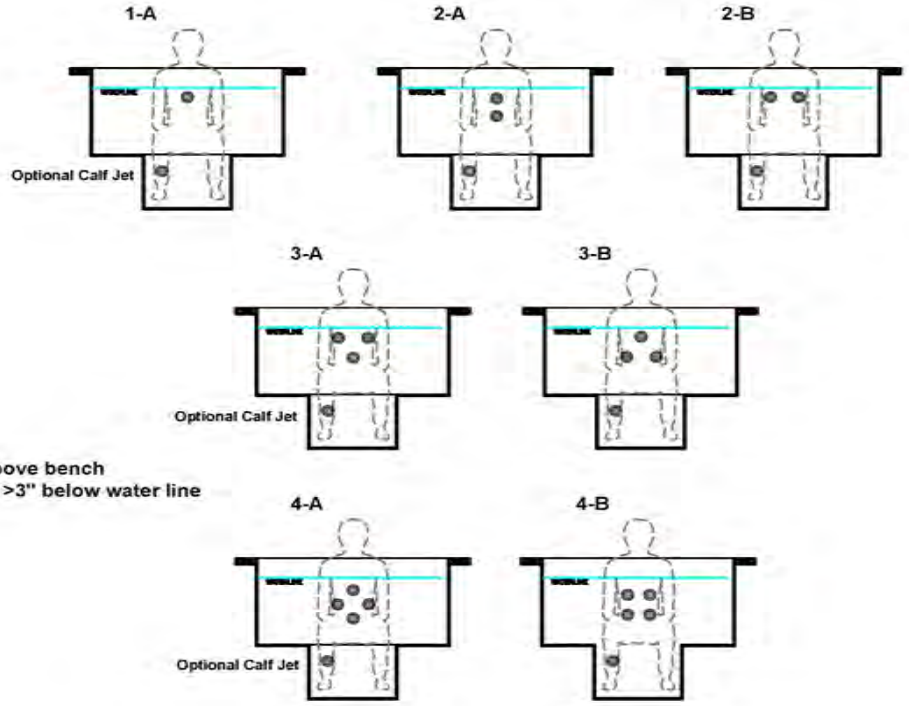
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Page
JET LAYOUT

LANAHAN PROJECT



JET CONFIGURATIONS



Jets must be >5" above bench
Top of jets must be >3" below water line

JET COLOR



WHITE

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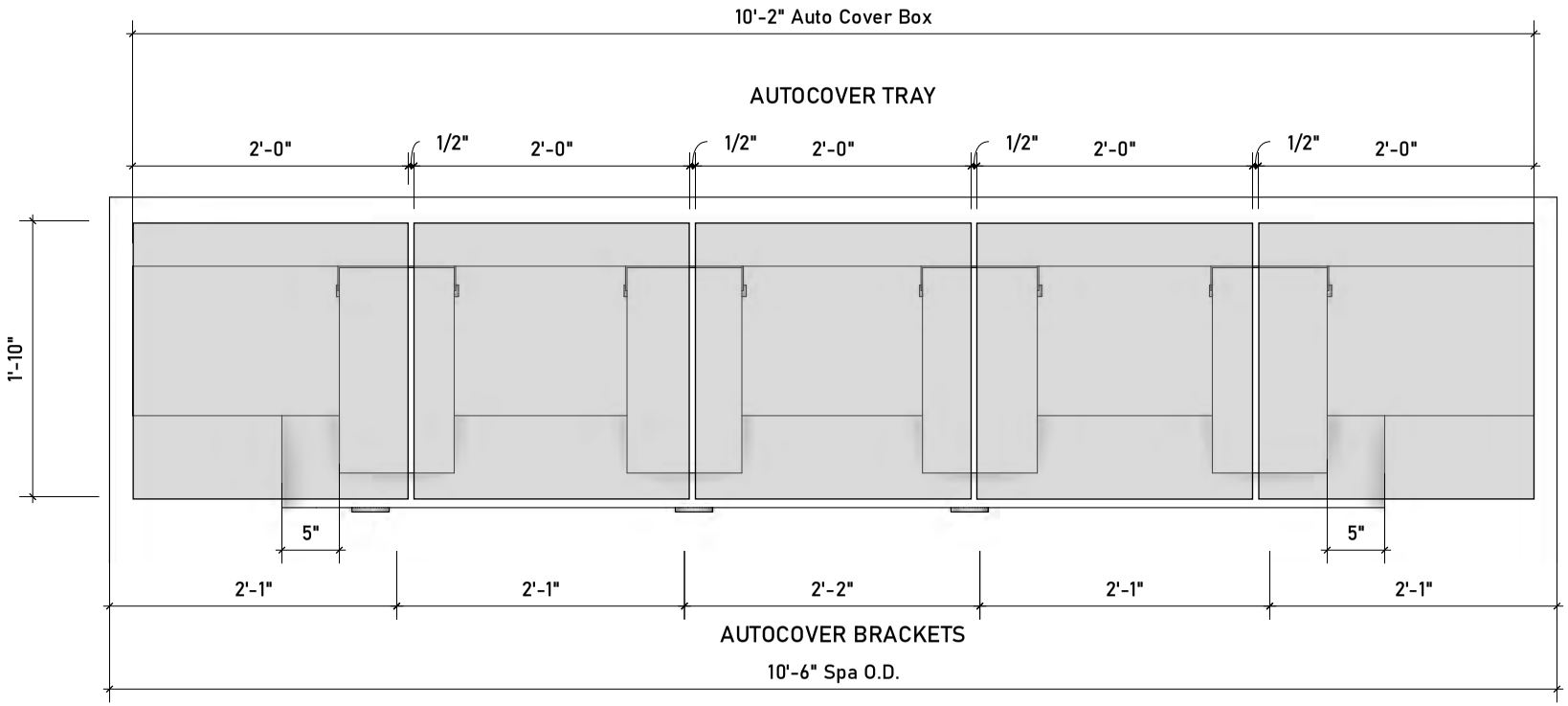
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Page
JET CONFIGURATION

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FABRIC COLOR:



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AUTOCOVER

LANAHAN PROJECT

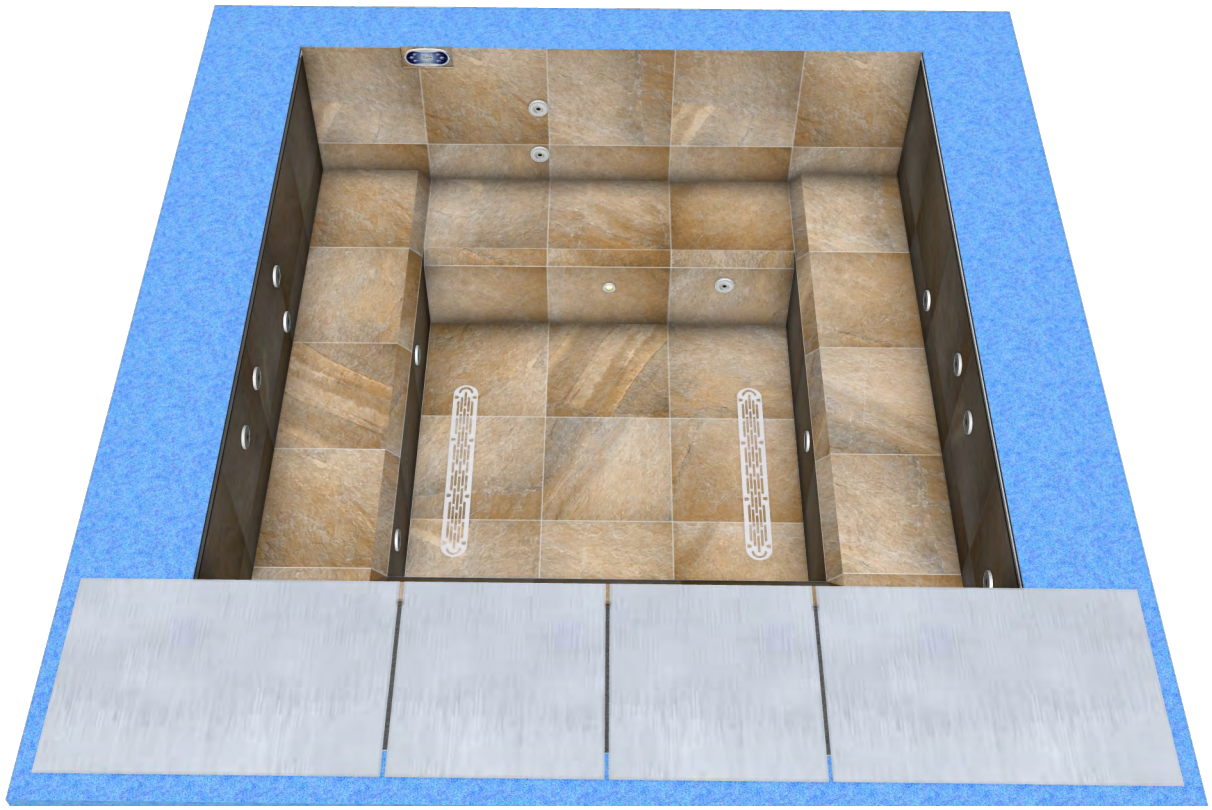
TILE SPECIFICATION



AYERS ROCK

BRONZED BEACON (AY03)

SIZE: 20" x 20"



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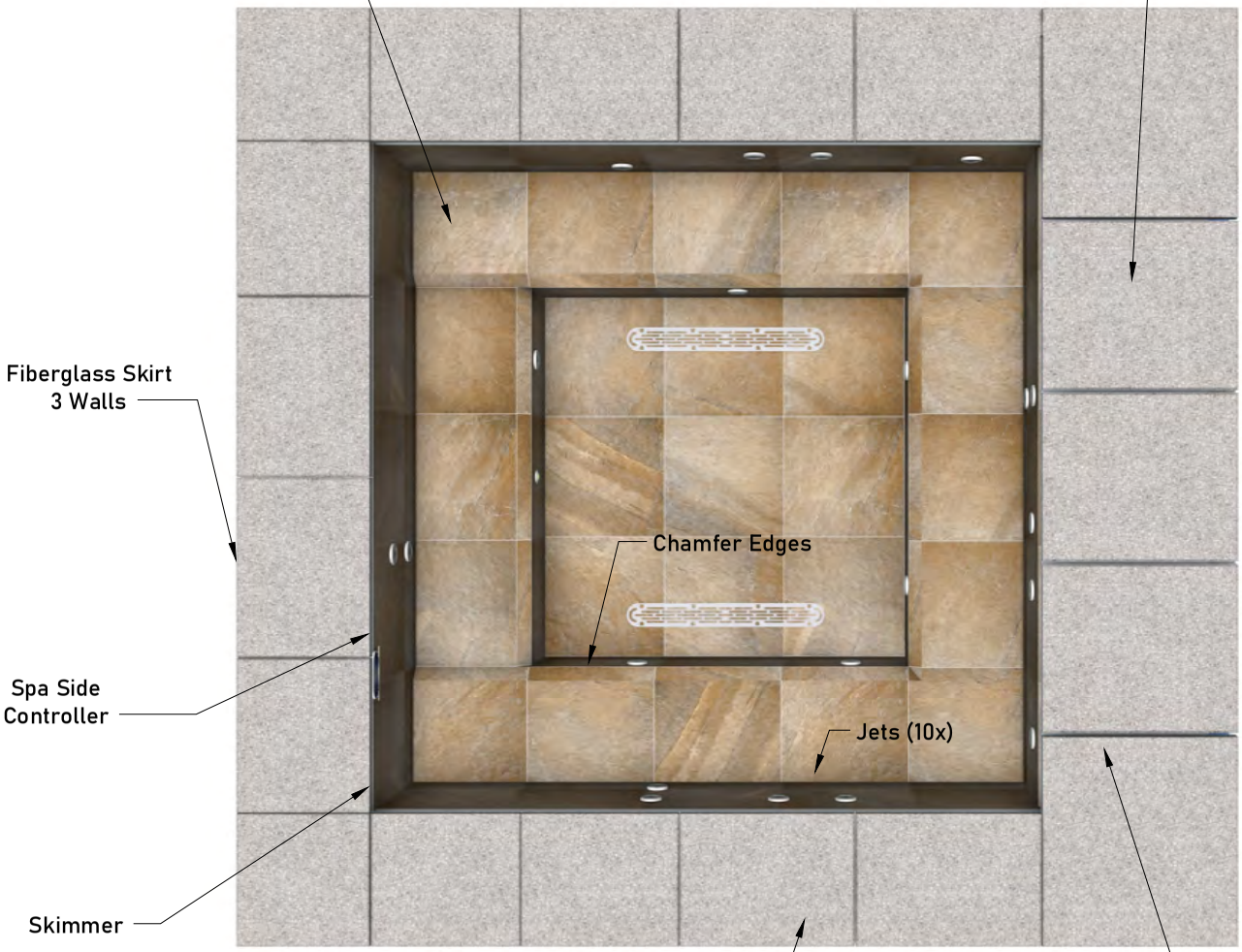
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TILE SPECIFICATION



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SPA RENDER

LANAHAN PROJECT

MODEL: 3588

SERIAL: LANAHAN 06/26 B20316-AOP-AC

PRODUCT: 3K-B20316-AOP-AC

CODE: NESPA-062026-B20316-AOP-AC
VOLTS: 240V/ 60HZ/ 4 Wire
AMPS: 43A
Balcoa Auxiliart 5.5kw Heater Requirements:

240VAC, 60HZ, PH1, 22 Amp, Class A GFCI - Protected service (Circuit Breaker Rating = 30A Max)

Power Requirement:
240VAC, 60HZ, 43A,
Class A GFCI-protected service (Curcuit Breaker Rating= 60A max.)
4 Wires (Hot-Line 1, Hot-Line 2, Neutral, Ground)

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CAN/CSA C22.2 No. 218.1

NESPA ENTERPRISES, Inc.

NRTL IAPMO EGS C US

SERIAL #
LANAHAN 6/26
B20316-AOP-AC

IAPMO Listed E10147

NESPA MODEL LABEL

DRAWN BY NESPA

PROJECT:
Lanahan Residence

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.2800 Richter Ave, C
Oroville, CA 95966 (530)
534 - 9910

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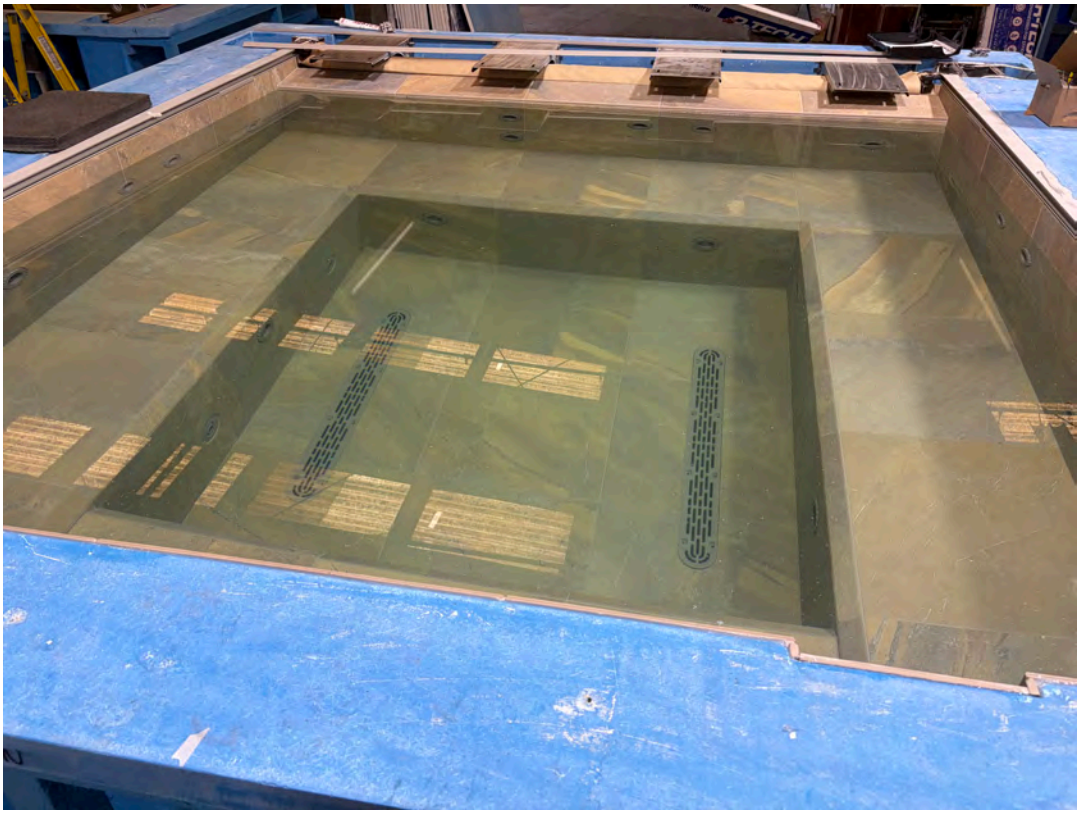


FINISHED TILE

DRAWN BY NESPA

PROJECT:
Lanahan Residence

NESPA ENTERPRISES INC
.2800 Richter Ave, C
Oroville, CA 95966 (530)
534 - 9910



WATER/
EQUIPMENT
TEST

DRAWN BY NESPA

PROJECT:
Lanahan Residence

NESPA
ENTERPRISES INC
.2800 Richter Ave, C
Oroville, CA 95966 (530)
534 - 9910

Project Name: Lanahan Residence (Lot 52) Spa Model: 3588

Serial Number: Lanahan 06/26 B20316.5 AOP AC

The following testing certification records the inspections and quality control procedures completed prior to delivery of your NESPA vessel. Each spa undergoes a series of operational, structural, and handling tests to verify proper functionality, integrity, and installation readiness. This certification serves as documented confirmation that your spa has been thoroughly inspected and tested to meet NESPA quality standards, providing you with the confidence and reassurance that your vessel is fully prepared for safe and reliable operation.

Water Testing & Leak Inspection

Spa filled to designated waterline and held for a minimum of 24 hours to verify shell and plumbing integrity. During testing, periodic inspections are performed to check for leaks, water loss, or irregularities in all plumbing connections, fittings, and vessel components.

INSPECTOR: Edwing V. & Roger V. **INSPECTION DATE: 05/25/2026**

Equipment Inspection & Testing

All installed equipment is tested to verify proper operation and functionality. This includes pumps, heaters, control systems, lighting, circulation systems, and auxiliary components to ensure the spa operates as designed.

INSPECTOR: Edwing V. , Roger V. **INSPECTION DATE: 05/25/2026**

Automatic Cover Inspection & Testing

Automatic cover systems are tested for proper alignment, smooth operation, travel limits, and overall functionality. Inspection includes verification of opening/closing performance and confirmation that all cover components operate safely and correctly.

INSPECTOR: Edwing V. , Roger V. **INSPECTION DATE: 05/18/2026**

Pick-Up Testing

Spa is physically lifted from its designated pick-up points to verify structural balance, lifting stability, and installation readiness. This inspection helps identify potential handling, rigging, or installation issues prior to delivery and on-site placement.

INSPECTOR: Edwing V. , Roger V. **INSPECTION DATE: 06/5/2026**

NTS
NESPA TILED SPAS

HOW TO CONTROL MY NESPA

A GUIDE TO CONNECTING AND CONTROLLING YOUR SPA FROM ANYWHERE.

SMART CONTROL
Manage your spa anytime, anywhere.

EASY SETUP
Simple steps for a seamless experience.

CONNECTED SUPPORT
Your spa. Our team. Always connected.



ControlMySpa™ App for the smart device

Step 1: Download App **(DO NOT CREATE ACCOUNT YET)**

FOR IPHONE® OR IPAD® (IOS/APPLE)

Search the Apple iOS App Store for "controlmyspa"

Or Use this link: https://goo.gl/j31t1V

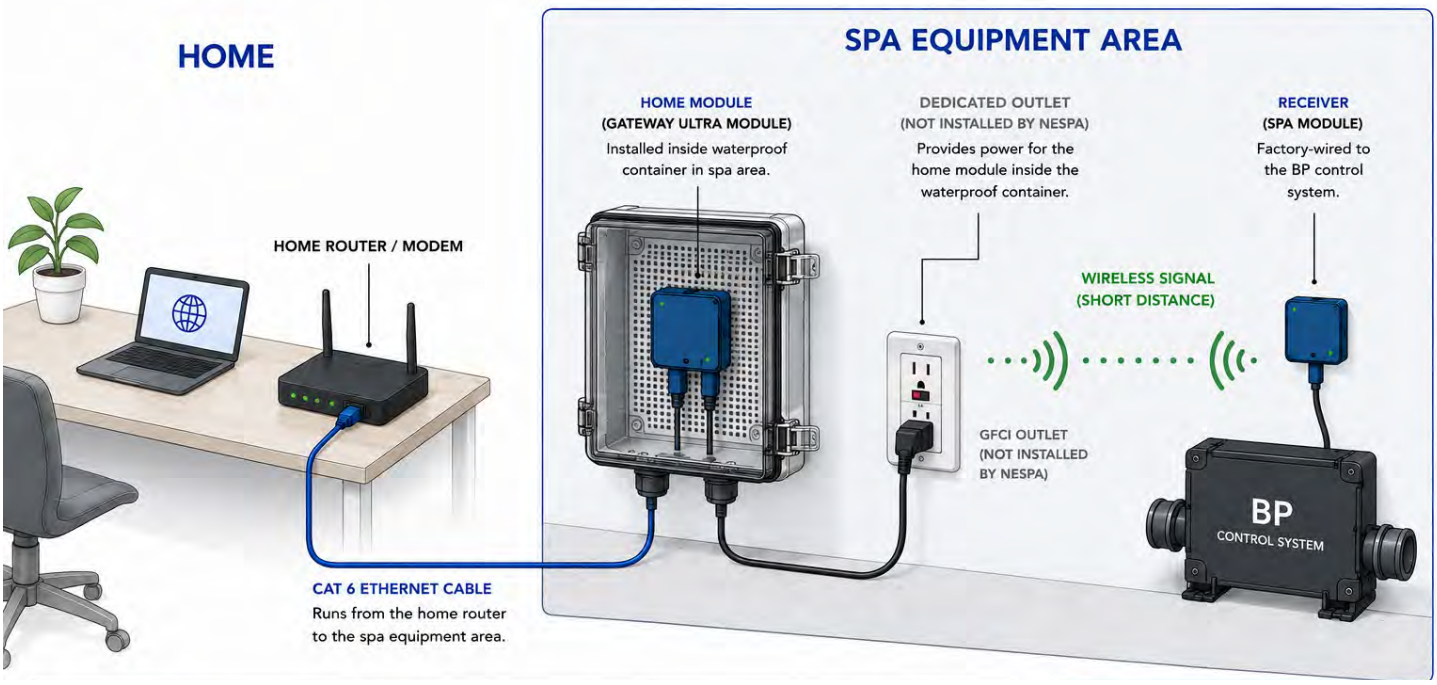
Available on the iPhone App Store

FOR ANDROID® PHONES/TABLETS

Search Google Play App Store for "controlmyspa"

Or Use this link: https://goo.gl/CG4Yci

Google play



Step 2: Proper Connection

Before Continuing make sure the your set up is property connected. The Receiver Gateway comes preinstalled in your NESPA.

Connect Emitter GATEWAY ULTRA

The ControlMySpa signal emitter requires both power and an Ethernet connection. For the most reliable performance, the signal emitter should be installed as close to the spa equipment as possible and connected using a hardwired Ethernet connection.

There are three approved connection methods Nespa recommends using Method 1 whenever possible.

Method 1: Preferred (Page 4)

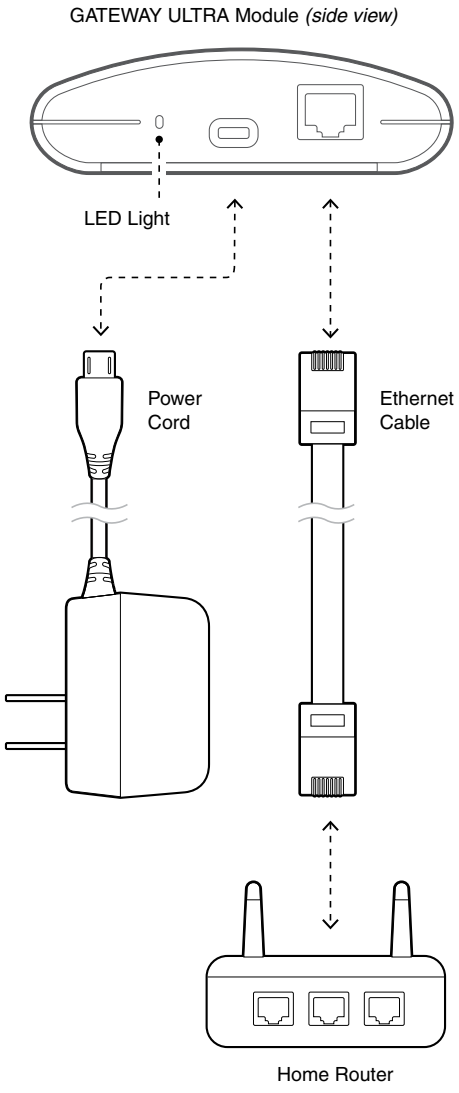
Dedicated Outlet and Ethernet Cable Inside Spa Equipment Area

Method 2: (Page 5)

Power line Pass-Through Adapter Installation

Method 3: (Page 6)

Signal Emitter Installed Near the Internet Modem



LED Light Chart (E)

This chart applies to the home and spa GATEWAY ULTRA modules.

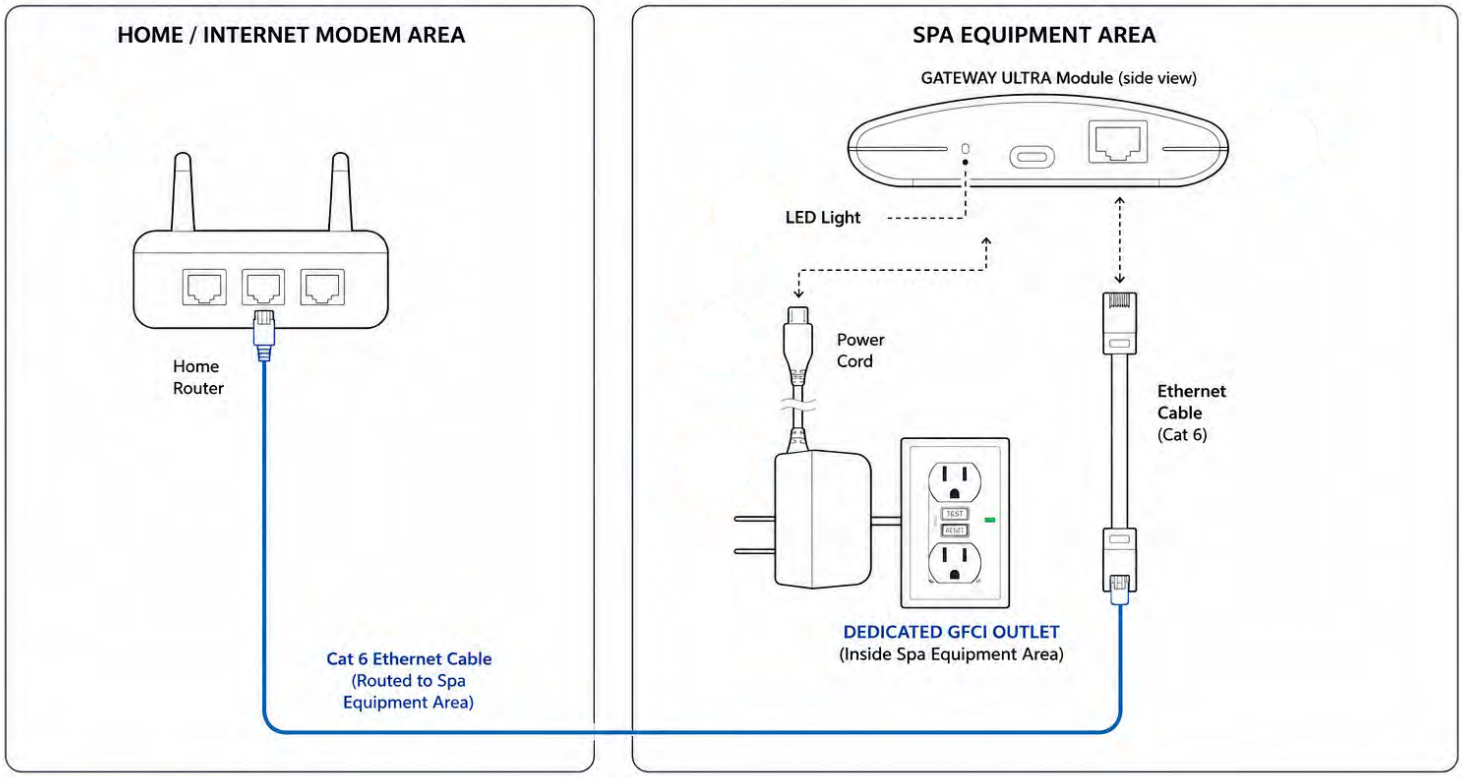
- Red - Solid: The Emitter and the Reciever are not connected.
- Red - Blinking: Emitter and Receiver GATEWAY ULTRA modules are connected, but no connection to the spa controller.
- Blue - Blinking: Remote software update is underway. Do not unplug power.
- Green - Blinking: CMS™ GATEWAY ULTRA Receiver and Emitter modules RF is connected, but no connection to internet.
- Green - Solid: Spa successfully connected to internet. No errors.

NTS NESPA TILED SPAS

METHOD 1

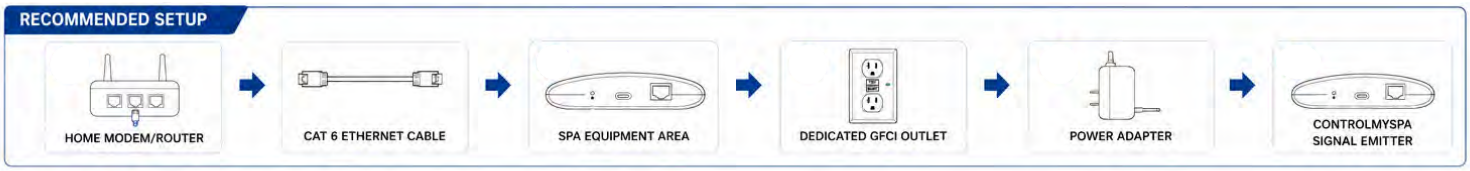
PREFERRED

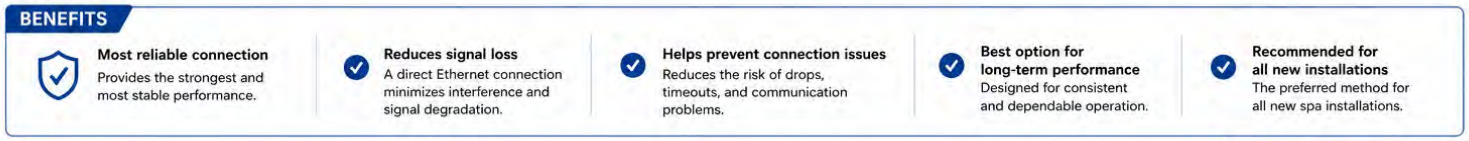
DEDICATED OUTLET AND ETHERNET CABLE INSIDE SPA EQUIPMENT AREA



A dedicated power outlet should be installed inside the spa equipment area. A cat 6 Ethernet cable should be routed from tje home internet moden or router to the spa equipment area. The ControlMySpa signal emitter can then be plugged directly into the outlet and connected directly to the Ethernet cable.

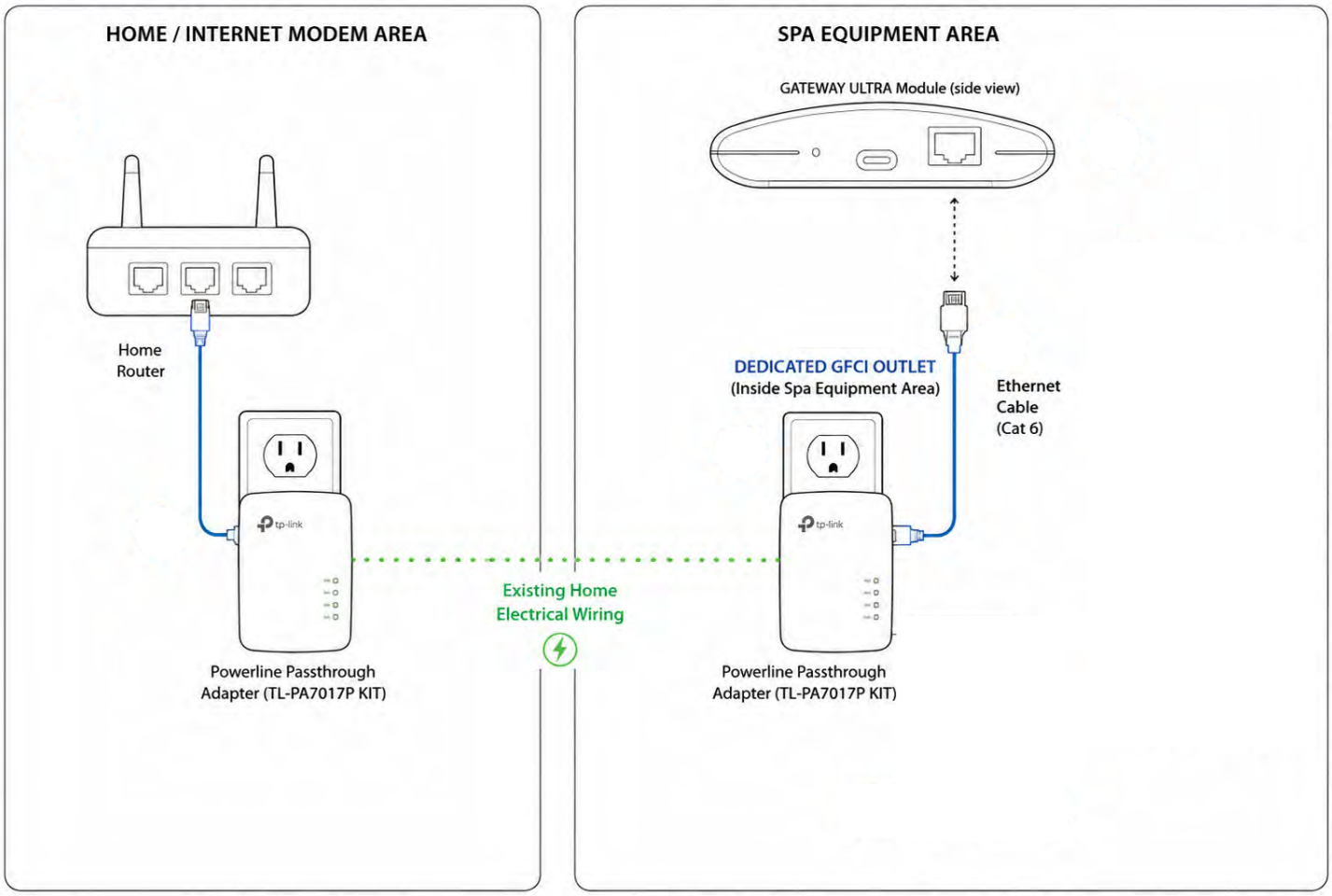
This method provides the strongest and most stable connection because the signal emitter is powered directly at the spa and connected with a direct Ethernet line. This helps prevent weak signal issues, connection drops, or communication problems between the spa and the ControlMySpa system.





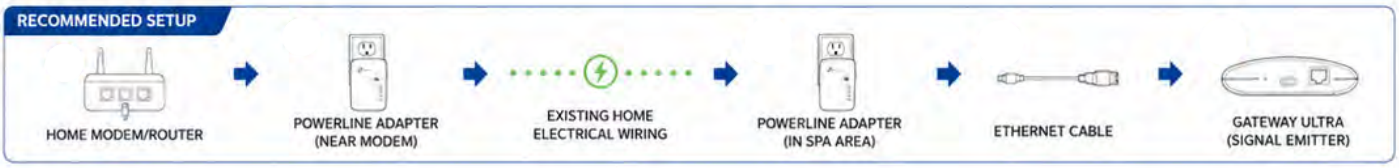
METHOD 2

POWER LINE PASS-THROUGH ADAPTER INSTALLATION



Power line pass-through adapters use our home's electrical wiring to carry the internet signal from your modem or router to the spa equipment area. The ControlMySpa signal emitter is powered directly at the spa and connects to the adapter with an Ethernet cable.

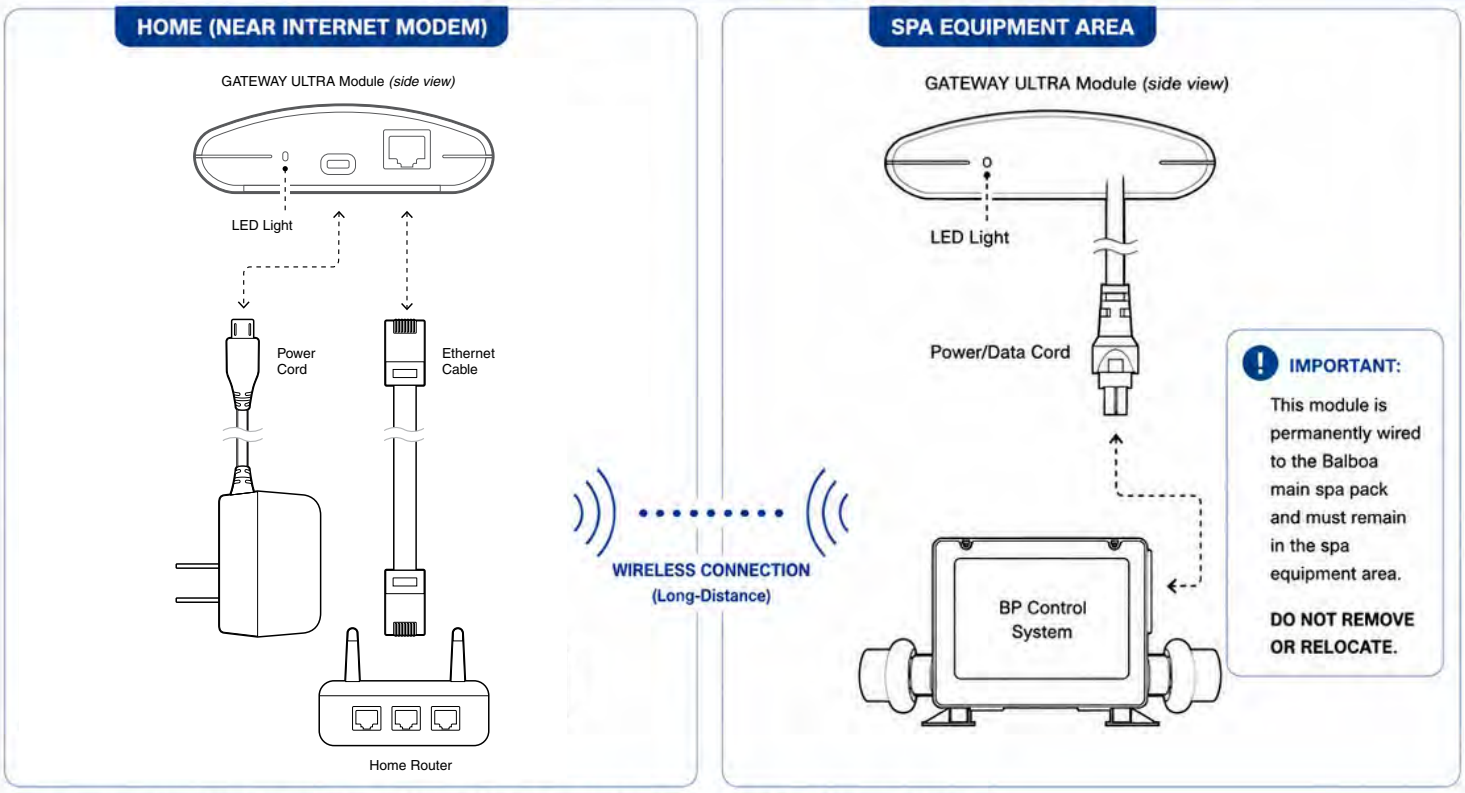
This method is a great alternative when running an Ethernet cable is not possible. it provides a stable hardwired connection with minimal installation effort and consistent performance.





METHOD 3

SIGNAL EMITTER INSTALLED NEAR THE INTERNET ROUTER



Method 3 should be used when a dedicated power outlet and/or a Cat 6 Ethernet cable cannot be run to the spa equipment area. This method uses the standard Balboa ControlMySpa wireless configuration. The Home Module (signal emitter) is removed from the waterproof enclosure and installed near the home internet modem or router, where it is powered from a nearby outlet and connected to the router with an Ethernet cable.

The Spa Module remains inside the spa equipment area and is factory-wired directly to the Balboa main control pack from factory. The two modules then communicate wirelessly with each other to provide internet connectivity to the ControlMySpa system. Because this method relies on a longer-distance wireless connection, signal strength may be affected by distance, walls, building materials, or other sources of interference, which is why NESPA recommends Methods 1 or 2 whenever possible.



BEFORE CONTINUING

IMPORTANT NOTE:
The email address used during the initial spa startup and ControlMySpa® setup will become the designated primary account for the spa. Only one primary account is permitted per spa system. To access and control the spa from multiple devices or phones, additional users must log in using the primary account credentials.

1. Make sure you have the correct credentials.

- **FOR INSTALLERS: DO NOT LOGIN USING YOUR OWN INFORMATION. USE SPA OWNERS INFORMATION.**

2. Make sure you have your CMS Code

WHAT IS A CMS™ CODE?

- CMS™ Code is an 8 digit letter/number combination that all Spa owners must have to use spas equipped with the ControlMySpa™ system
  A. The CMS™ code is supplied by NESPA.
- Spa owners will need this CMS™ code to setup and connect their spas in the ControlMySpa™ database.
- The CMS™ code connects your spa to your OEM and Dealer for service and support

3. From Here on you will need to move near your spa. (Within 10ft/ 3 meters)

- You will need to connect to your spa via bluetooth.

ACCOUNT SETUP

STEP 3: CREATING A CMS ACCOUNT

SKIP TO STEP 4 IF ALREADY HAVE ACCOUNT



STEP 1:

Download from app store/play store

FOR IPHONE® OR IPAD® (IOS/APPLE)
Search the Apple iOS App Store for "controlmyspa"
Or Use this link: https://goo.gl/j31t1V

App Store

FOR ANDROID® PHONES/TABLETS
Search Google Play App Store for "controlmyspa"
Or Use this link: https://goo.gl/CG4Yci

Google play



STEP 2:

Press "SIGN UP"

This will take you to the sign up page



STEP 3:

Enter your email

then press "NEXT"

This email will the be the only email linked your spa

Email is going to be shared with anyone who will want to control remotely.



STEP 4:

Create a password

then press "NEXT"

Password is going to be shared with anyone who will want to control remotely.

ACCOUNT SETUP



STEP 5:

Enter name of account owner

then press "NEXT"



STEP 6:

Go to your email and copy the "OPT" code sent by "Control My Spa"

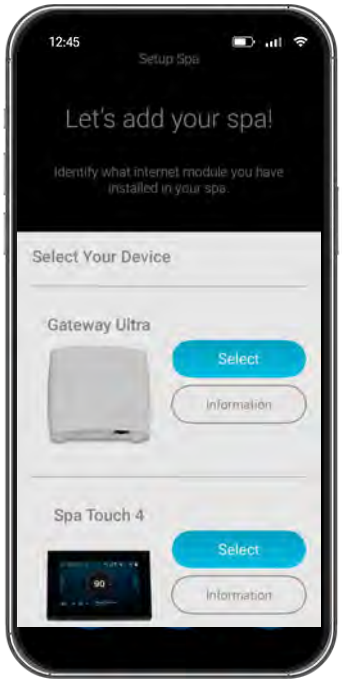
Code expires in 2 minute after pressing "NEXT" on step 5.



STEP 7:

Enter the "OPT" code from email

Code expires in 2 Minutes



STEP 8:

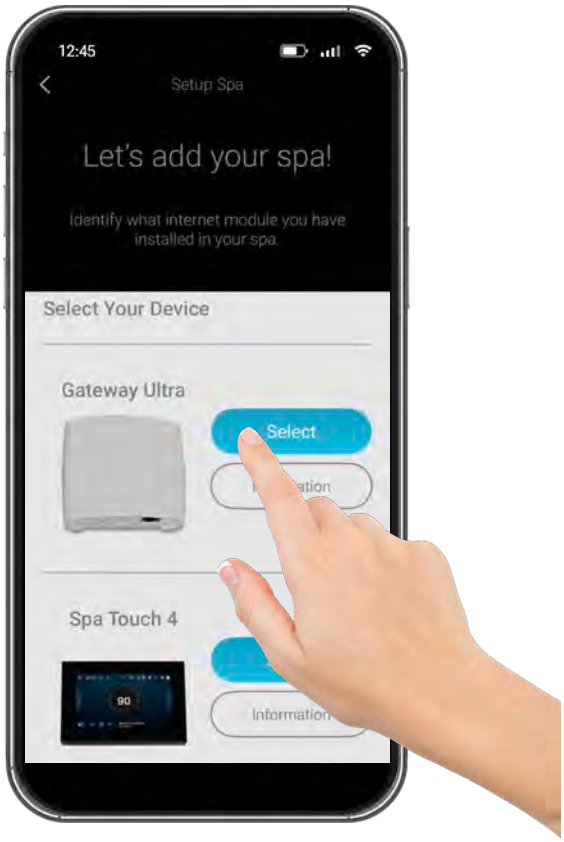
You have successfully created your ControlMySpa account.

Continue if your spa is operational and your internet connection is established

If spa isn't ready close app and continue when ready

SPA PAIRING

STEP 4: CONNECTING CMS ACCOUNT TO SPA



5.

Select the Device



6.

Enable Bluetooth on Smart Phone

Press “Next“ after enabled

SPA PAIRING

STEP 4: CONNECTING CMS ACCOUNT TO SPA



7.

Connecting to spa

Stay within 10 ft/ 3 meters of spa while connecting

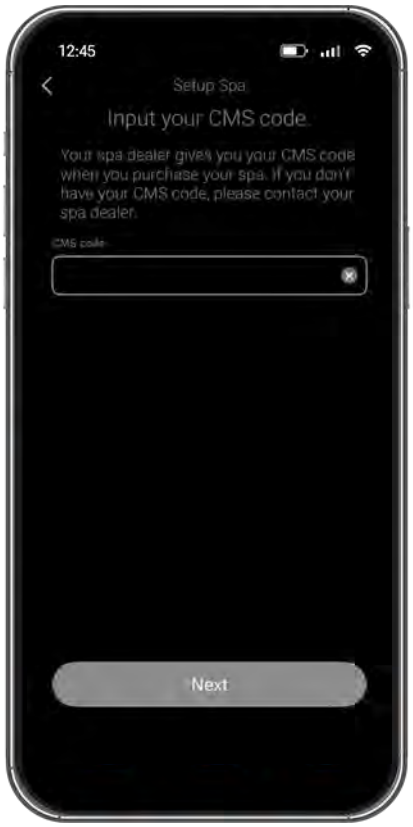


8.

Match Serial Number

Locate your unique serial number on the your emitter and make sure they serial on the screen are the same

STEP 4: CONNECTING CMS ACCOUNT TO SPA



9.

Enter CMS Code

Enter the correct CMS code given by NESPA

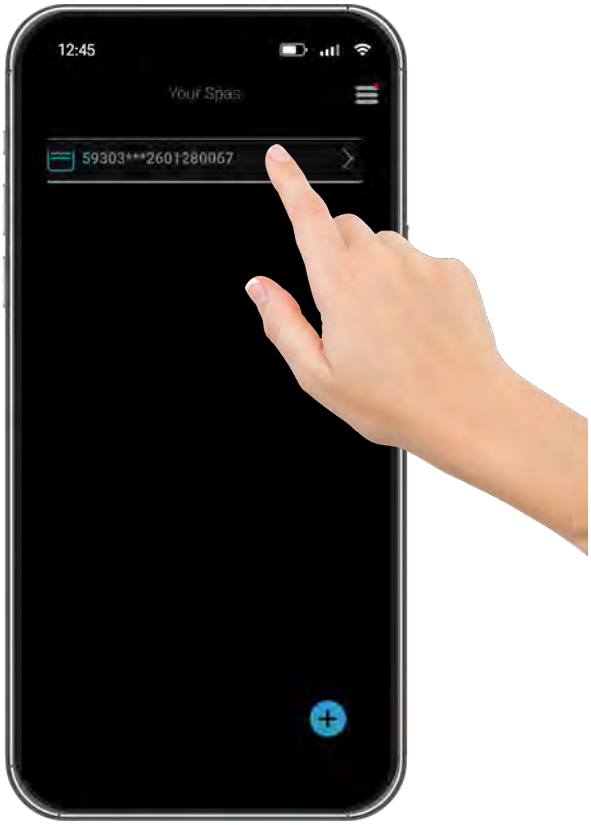
Step 5: First Start up



1.

Login

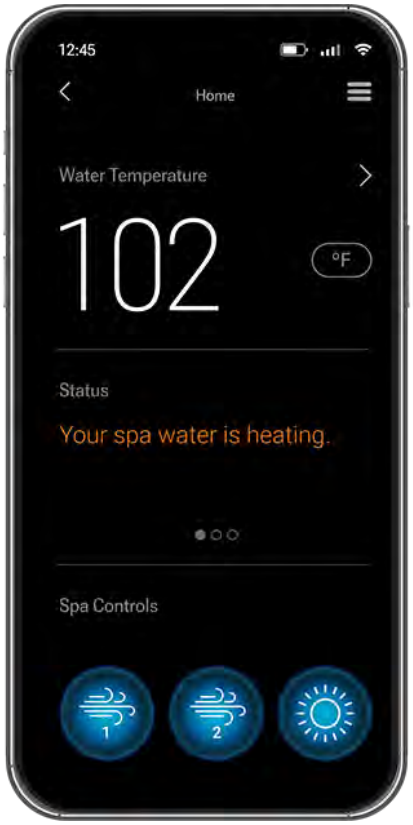
You finished creating your primary account. Login to operate

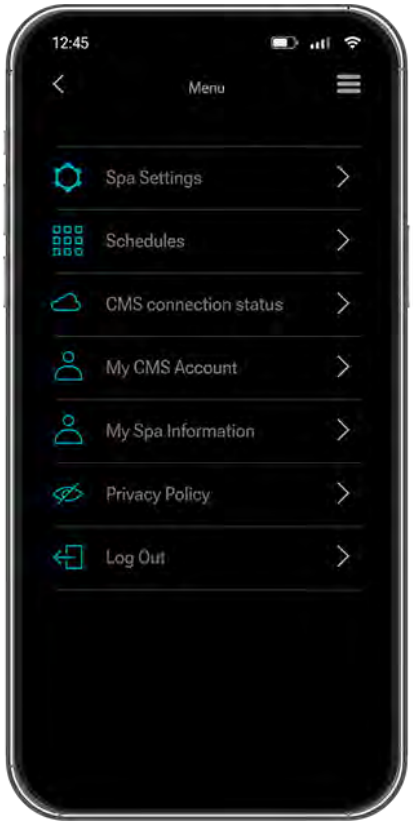


2.

Select Your Spa

Step 5: First Start up





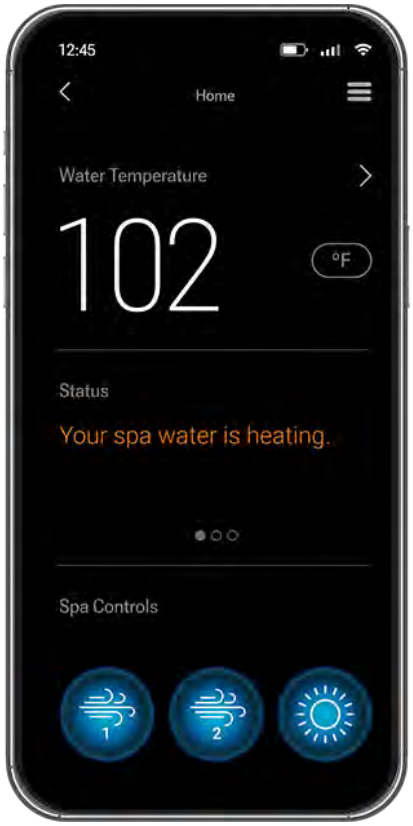
3.
Finished

Your NESPA is ready to be controlled remotely anywhere you have access to internet

4.
Operating

Now you are able to control
- Temperature
- Pumps (jet/Circulation)
- Light
- Filter Cycle
- Scheduling

App Walk-through



Home Screen

The Home Screen is the main control page of the ControlMySpa™ app. It provides a quick view of the spa's current condition and gives access to the most frequently used controls.

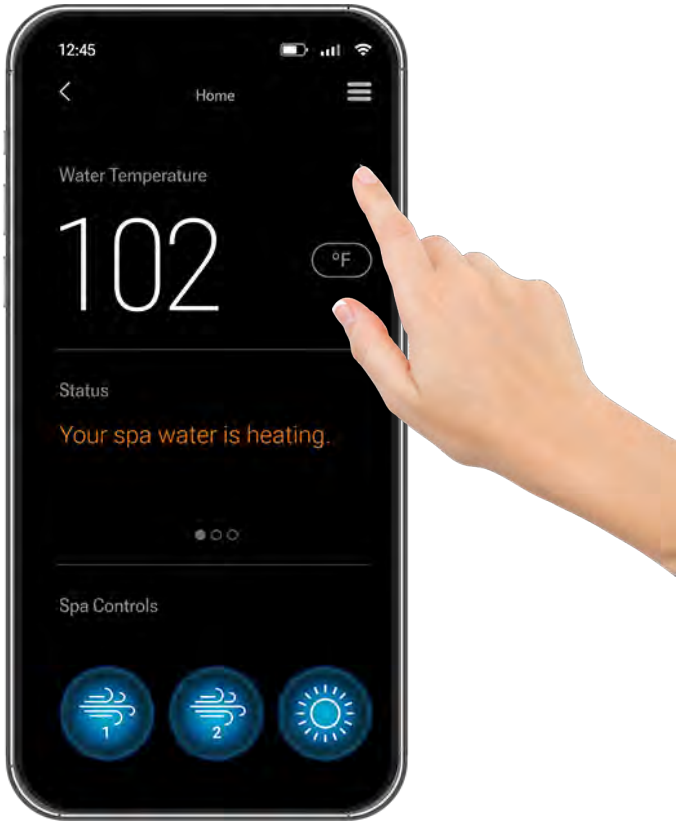
- **Water Temperature** – Displays the spa's current water temperature. Tap this area to view or change the desired set temperature.
- **Temperature Unit** – Displays the temperature in °F or °C, depending on the selected setting.
- **Status** – Shows what the spa is currently doing, such as heating, maintaining temperature, or another operating condition.
- **Spa Controls** – Provides quick access to available equipment such as jet pumps, circulation functions, and spa lighting. The controls shown may vary depending on the NESPA configuration.
- **Page Indicators** – The small dots indicate that additional control screens may be available. Swipe left or right to move between them.
- **Menu Icon** – Tap the three-line menu icon in the upper-right corner to access Spa Settings, Schedules, CMS account information, spa information, support, event logs, fault logs, notifications, and other app functions.

The Home Screen is designed to give you the most important spa information and everyday controls in one place.

ControlMySpa Interface

Your NESPA is ready to be controlled remotely anywhere you have access to internet

App Walk-through





4.

Adjusting Temperature

1. From the Home screen, tap Water Temperature or the arrow (>) next to it.
2. Adjust the Set Temperature to your desired temperature.
3. Confirm or save the new temperature if prompted.
4. Return to the Home screen. The displayed temperature is the current water temperature, and the spa will heat toward your selected set temperature when the system is in the appropriate heat mode.

Note: Your spa must be connected to ControlMySpa for remote temperature changes to be sent to the spa.

4.

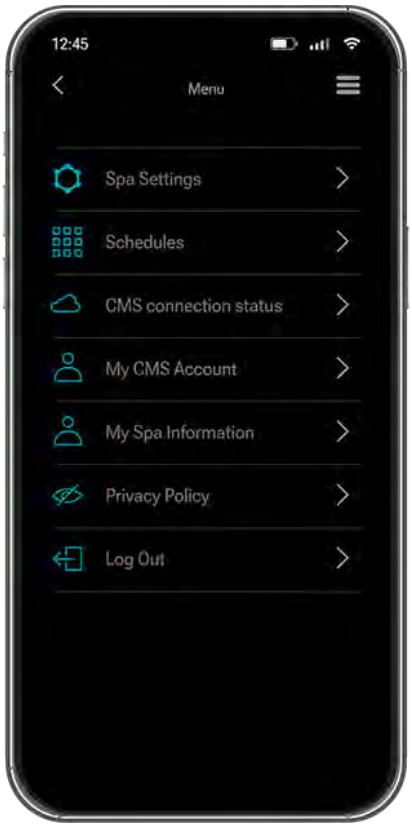
Spa control

The Spa Controls are located at the bottom of the Home Screen and provide quick access to the spa's main operating features. The available buttons may vary depending on the NESPA model and equipment configuration.

- **Jet Pump 1** – Tap to turn the first jet pump ON or OFF.
- **Jet Pump 2** – Tap to turn the second jet pump ON or OFF, when equipped.
- **Spa Light** – Tap the light control to turn the spa lighting ON or OFF. Additional light functions may depend on the installed lighting system.

Control Status – The button appearance changes when a function is active, allowing you to quickly see which spa equipment is currently operating.
These controls allow you to operate the spa's most commonly used functions directly from the Home Screen without entering the settings menu. The manual identifies these Home Screen operating functions as the spa's pumps and light controls.

App Walk-through



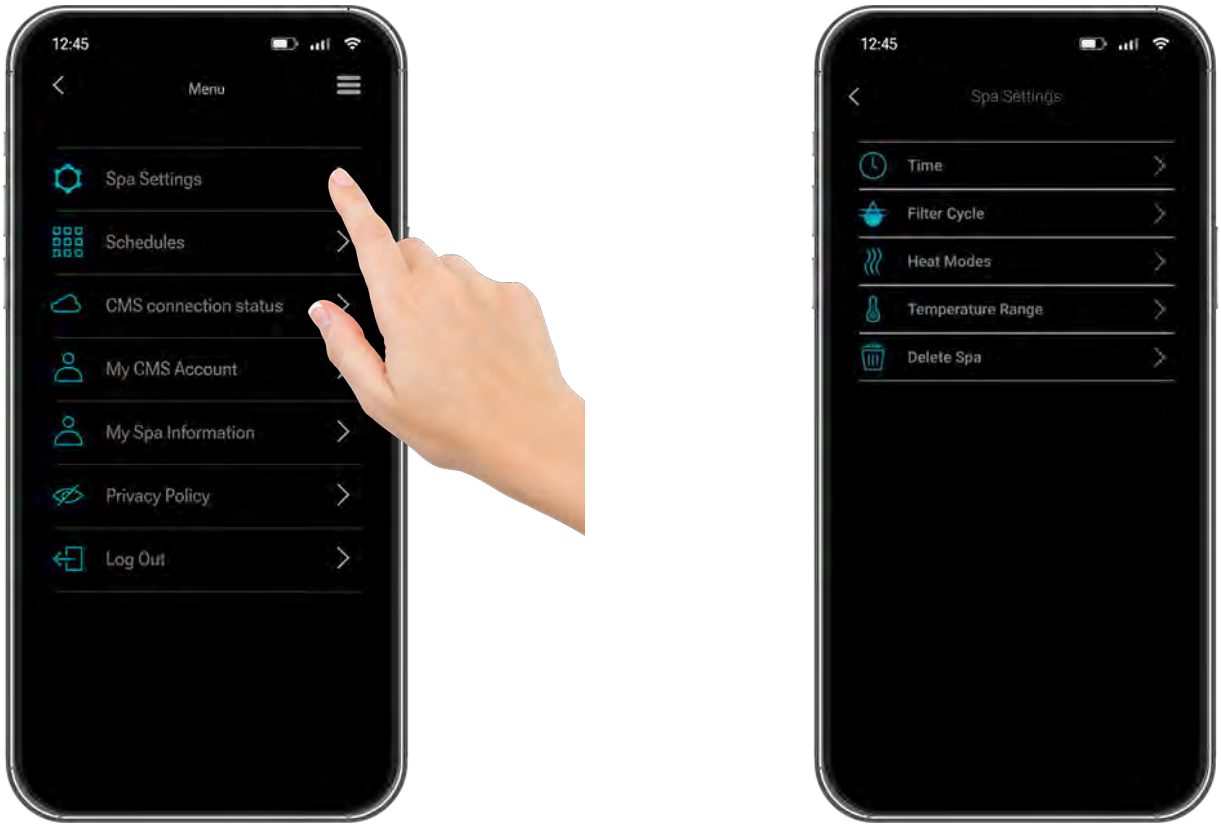
App Menu

The App Menu is the main navigation area for additional ControlMySpa™ features and settings. Tap the three-line Menu icon in the upper-right corner of the Home Screen to open it.

- **Spa Settings** – Adjust spa operating settings such as time, filter cycles, heat modes, and temperature range.
- **Schedules** – Create automatic schedules for temperature and heat mode changes at selected times and days.
- **My CMS Account** – View or update information associated with the ControlMySpa™ account.
- **Remote Support** – Provides access to support-related functions for the connected spa.
- **My Spa Information** – Displays technical information about the spa and ControlMySpa™ system, including the serial number, software version, setup information, registration information, and dealer information.
- **Event Logs** – Displays a history of system activity and communication events.
- **Fault Logs** – Displays detected spa system faults. If no active or recorded faults are present, the screen will show “No Fault.”
- **Notifications** – View ControlMySpa™ system messages, maintenance notices, and other notifications.
- **Privacy Policy** – Opens the ControlMySpa™ privacy information.
- **Logout** – Signs the current user out of the ControlMySpa™ account.

The App Menu is primarily used for configuration, scheduling, system information, troubleshooting, and account management, while normal day-to-day spa operation is performed from the Home Screen

App Walk-through

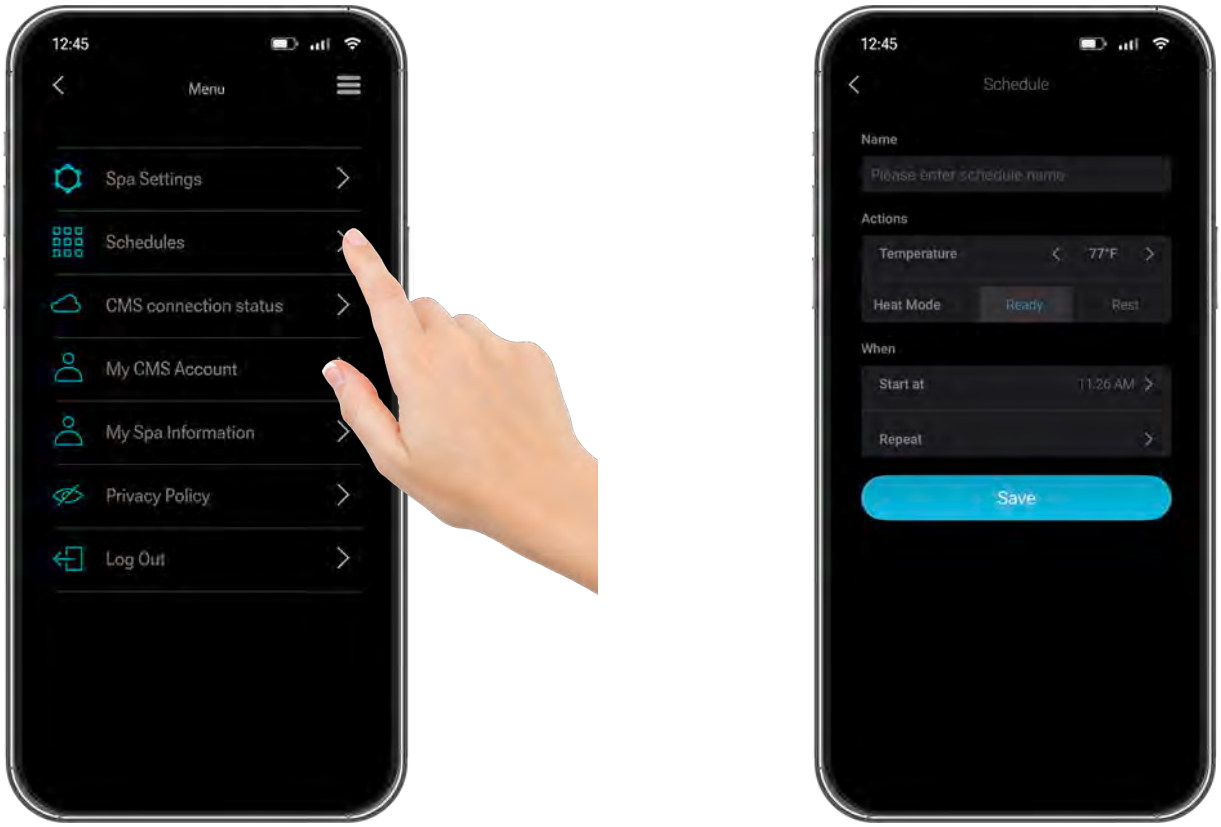


Spa Setting

The Spa Settings menu is used to configure how your NESPA operates. From the App Menu, select Spa Settings to access Time, Filter Cycle, Heat Modes, Temperature Range, and Delete Spa.

- **Time:** Controls how the spa time is displayed in the app. Select either 12 Hour for AM/PM format or 24 Hour for military-style time, then tap Update to save the selection.
- **Filter Cycle:** Determine when the spa automatically circulates water for filtration. Under Filter Cycle 1, select Start at to choose when filtration begins, then select Runs to choose how long the cycle will operate. Filter Cycle 2 can be enabled if an additional filtration period is needed. After making changes, tap Update to save the settings.
- **Heat Modes:** Determines when the spa is allowed to heat the water. Ready Mode maintains the water close to the Set Temperature throughout the day and is recommended when the spa is used regularly. Rest Mode heats the water only during scheduled filter cycles and may be useful when the spa will not be used for an extended period. Ready-in-Rest Mode is a temporary function of Rest Mode; when the jets are activated, the system temporarily attempts to maintain the Set Temperature for approximately one hour.
- **Temperature Range:** Determines the temperatures that can be selected as the spa's Set Temperature. High Range allows approximately 80°F–104°F (26.5°C–40°C). Low Range allows approximately 50°F–99°F (10°C–37°C). Select the range appropriate for how the spa will be used. Available temperatures may vary depending on the spa configuration, and freeze protection remains active in both ranges.
- **Delete Spa**: removes the spa from the ControlMySpa™ account. Selecting this option will remove the spa from the spa list, delete its schedules, and prevent the account from controlling the spa through CMS. To confirm deletion, enter the spa's serial number exactly as requested on the screen, then tap Delete. Only use this option when you intentionally want to remove or unlink the spa from the account.

App Walk-through

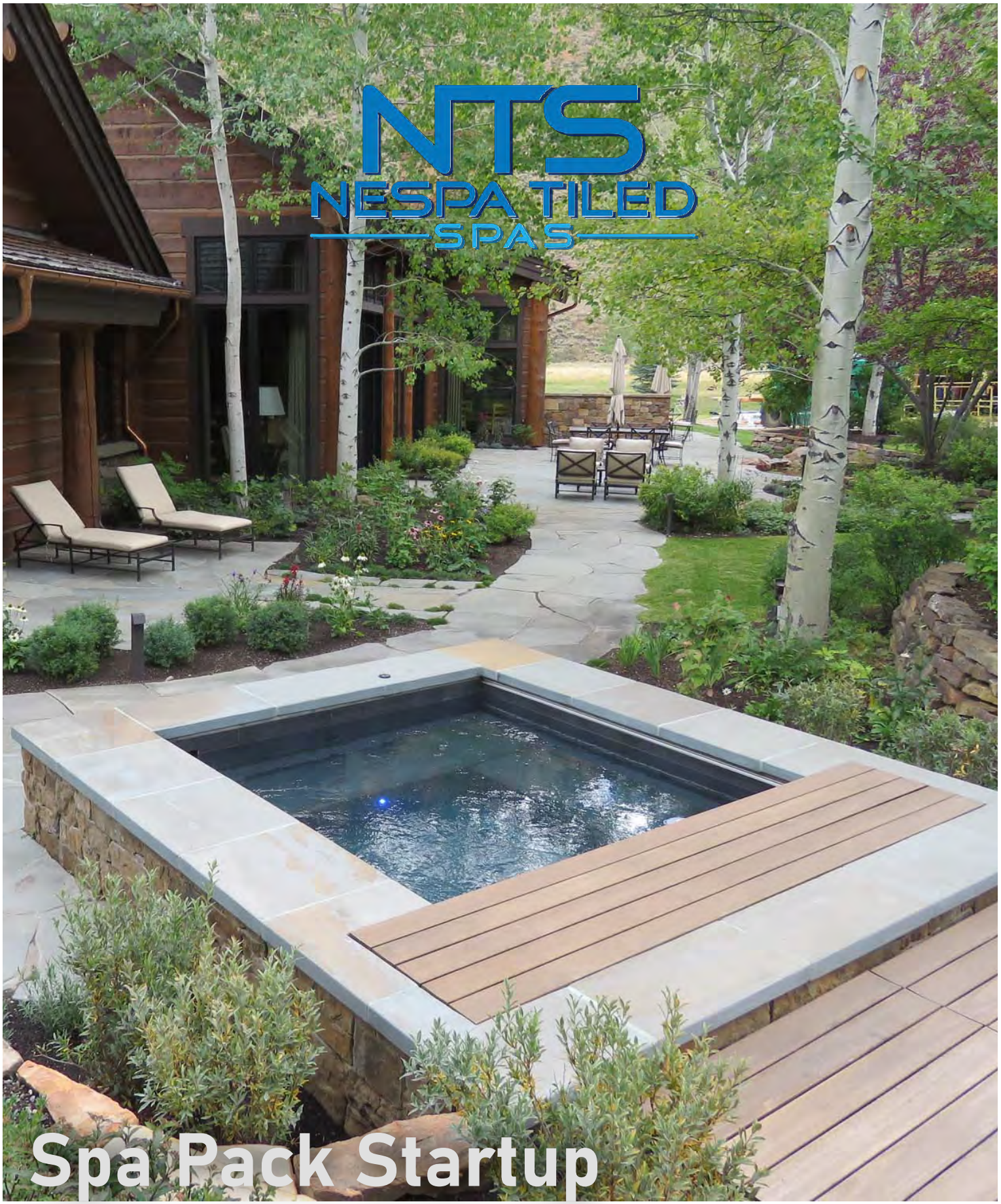


Schedules

The Schedules feature allows you to automatically change the spa's temperature and heat mode at selected times. This can be useful for preparing the spa before regular use or reducing heating when the spa is not needed.

- From the App Menu, select Schedules. Any existing schedules will appear on this screen. If no schedules have been created, the screen will display "No Schedules". Tap the + button in the lower-right corner to create a new schedule.
- When creating a schedule, enter a Schedule Name so it can be easily identified. Under Actions, select the desired Temperature and choose the Heat Mode you want the spa to use, such as Ready or Rest. Under When, select Start at to choose the time the schedule should begin, then select Repeat to choose which days the schedule should run.
- After all settings are selected, tap Save. The new schedule will then appear in the Schedules list and will automatically apply the selected temperature and heat mode at the programmed time.

Note: The spa must be connected to ControlMySpa™ for scheduled changes to communicate properly with the spa.

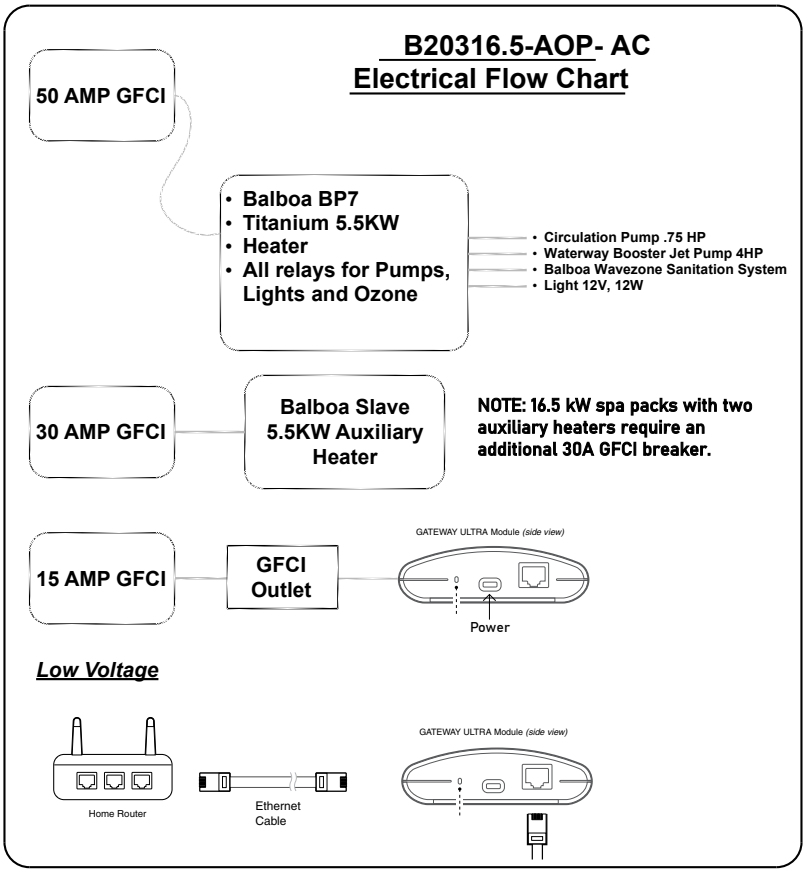


Spa Pack Startup

HOW TO POWER UP A NESPA

Our spa packs are designed for simple and efficient installation, requiring only 2–3 primary power sources depending on the selected pack configuration. All equipment is fully wired and connected at the factory prior to shipment, minimizing on-site electrical work and simplifying startup. The only required field power connections are for the Balboa control system, auxiliary component(s) if equipped, and on certain configurations, a nearby GFCI-protected outlet for the Balboa ControlMySpa™ app module.

Spa Pack Model: B20316.5 kW



GFCI & Electrical Installation Requirements

A **Ground Fault Circuit Interrupter (GFCI)** is required by code for all spa power supply circuits. This safety device is designed to immediately disconnect power in the event of an unsafe electrical condition, helping protect users and equipment from electrical shock hazards.

GFCI Protection

All spa equipment circuits shall be protected by a **Class A GFCI**, or other approved protection method, in accordance with **NEC Article 680** (latest edition adopted by the local Authority Having Jurisdiction) and all applicable local electrical codes.

Power Connections

The **Balboa Control System** shall be connected to a dedicated **GFCI-protected circuit**. Depending on the selected spa pack configuration, additional auxiliary circuits and/or a nearby **GFCI-protected receptacle** may be required for optional components such as the **ControlMySpa™ Communication Module**.

Maintenance Disconnect

A maintenance disconnecting means shall be provided in accordance with **NEC Article 680** and local code requirements. The disconnect must remain readily accessible and installed by a qualified and licensed electrician.

Installation Requirements

All electrical connections must be completed according to the wiring diagram and electrical label supplied inside the control box. Failure to provide properly sized dedicated circuits may result in equipment damage, improper operation, and voiding of the manufacturer warranty.

Professional Installation Recommended

If you are unsure about any portion of the installation, contact your authorized dealer or a qualified electrician before applying power to the spa system.

On-Board Equipment Connections

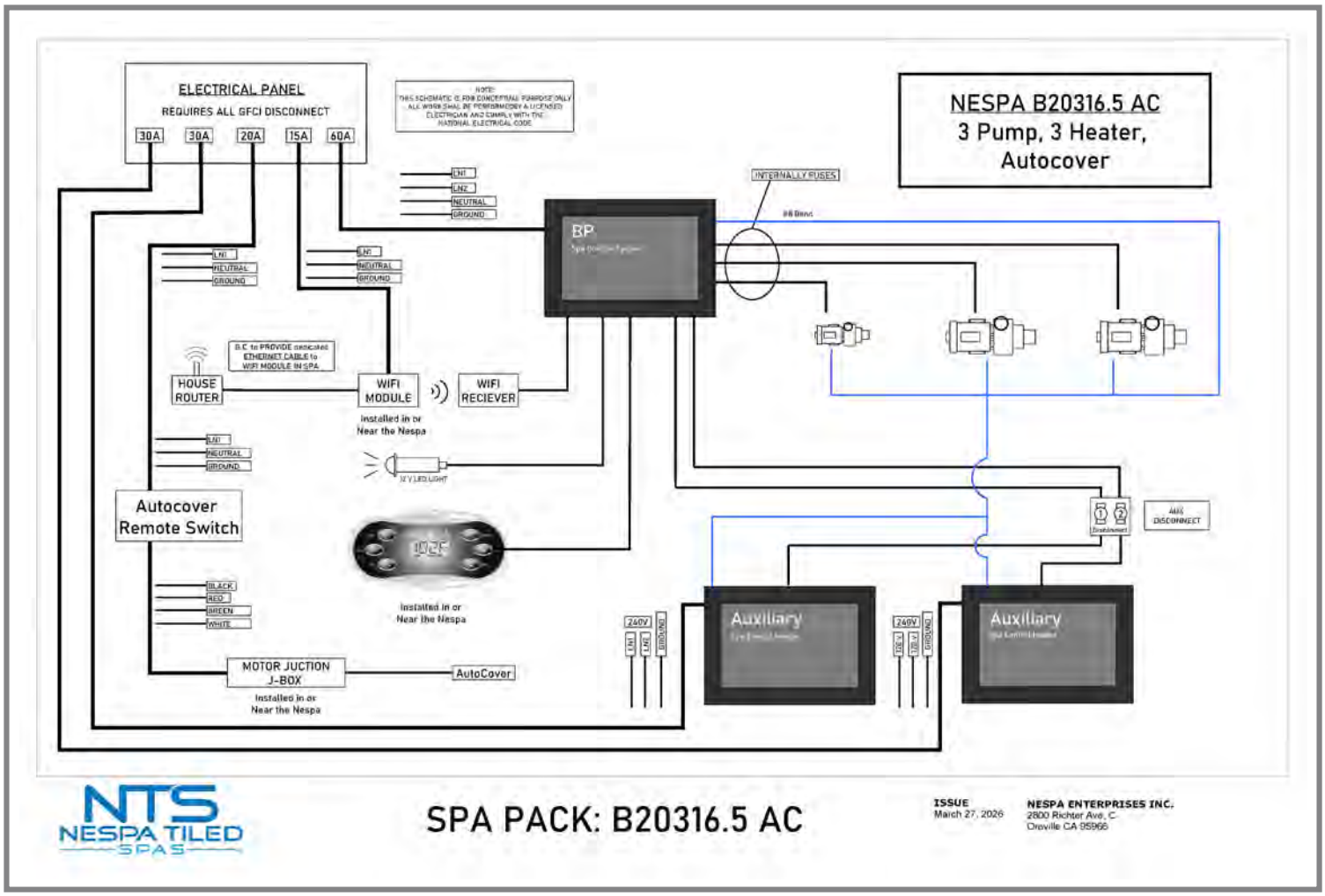
All spa equipment is factory installed, pre-wired, and internally connected prior to shipment. The primary Balboa Control System is supplied by a dedicated 50 AMP GFCI-protected circuit, which distributes power to the pumps, heater, lighting, ozone system, and other integrated spa components.

Depending on the selected spa pack configuration, the only required field power connections are:

- **Balboa Control System — 50 AMP 230V, 4-Wire, GFCI-Protected Circuit**
- **Auxiliary Heater / Auxiliary Equipment Circuit(s) - 30 AMP 230V, 3-Wire, GFCI-Protected Circuit**
- **15 AMP 120V, GFCI-Protected Receptacle located near the spa equipment area**
- **Provide one dedicated CAT6 Ethernet cable routed to a location adjacent to the GFCI receptacle for connection to the Control Module. Leave sufficient slack for final connection and servicing.**

All remaining onboard equipment receives power directly through the Balboa Control System and does not require separate external power connections.

B20316.5 kW AC Wiring Diagram



On-Board Equipment Connections

All spa equipment is factory installed, pre-wired, and internally connected prior to shipment. The primary Balboa Control System is supplied by a dedicated 50 AMP GFCI-protected circuit, which distributes power to the pumps, heater, lighting, ozone system, and other integrated spa components.

Depending on the selected spa pack configuration, the only required field power connections are:

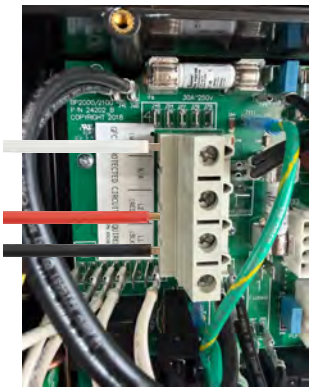
- **Balboa Control System — 50 AMP 230V, 4-Wire, GFCI-Protected Circuit**
- **Auxiliary Heater / Auxiliary Equipment Circuit(s) - (2x) 30 AMP 230V, 3-Wire, GFCI-Protected Circuit**
- **15 AMP 120V, GFCI-Protected Receptacle located near the spa equipment area**
- **Provide one dedicated CAT6 Ethernet cable routed to a location adjacent to the GFCI receptacle for connection to the Control Module. Leave sufficient slack for final connection and servicing.**

All remaining onboard equipment receives power directly through the Balboa Control System and does not require separate external power connections.

1. Balboa Control System

Balboa BP7 Model



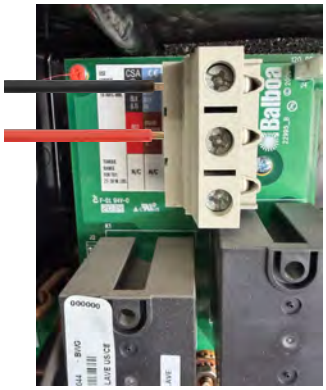


- **Balboa Control System — 50 AMP 230V, 4-Wire, GFCI-Protected Circuit**

2. Balboa Auxiliary Heater

Balboa Auxiliary

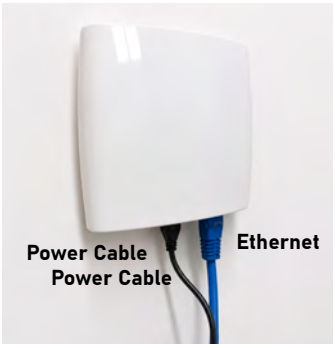




- **Auxiliary Heater / Auxiliary Equipment Circuit(s) - 30 AMP 230V, 3-Wire, GFCI-Protected Circuit**

3. Balboa ControlMySpa Communication



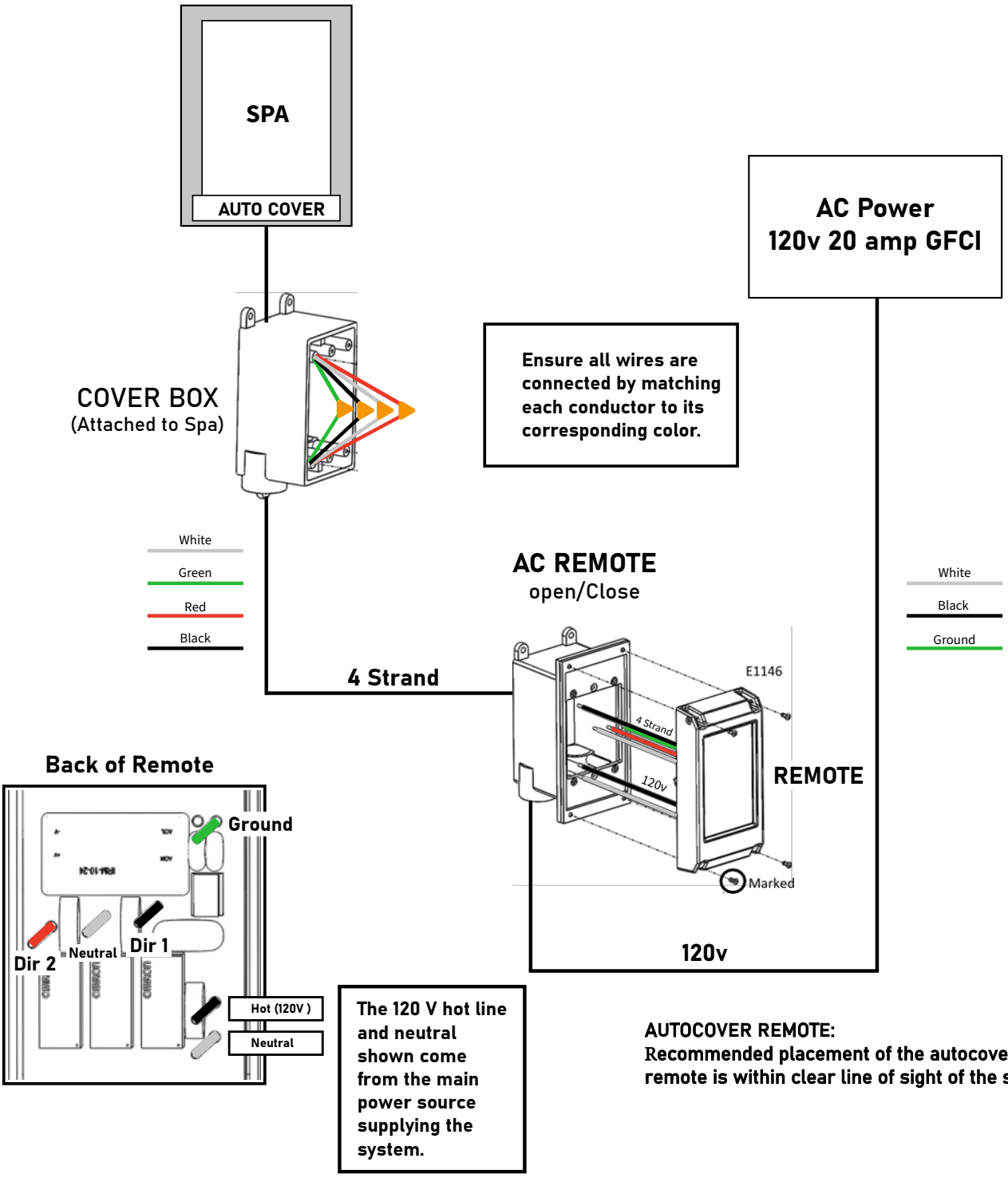


- **5 AMP 120V, GFCI-protected receptacle located in or near the spa equipment area**

ILLUSTRATION

AUTO COVER WIRE DIAGRAM

Follow the instructions provided in the illustration below to properly connect your controller to your spa's automatic cover. Carefully match each wire to its corresponding color and ensure all connections are secure before applying power. Proper installation is essential for safe operation and reliable performance of the automatic cover system.



ILLUSTRATION

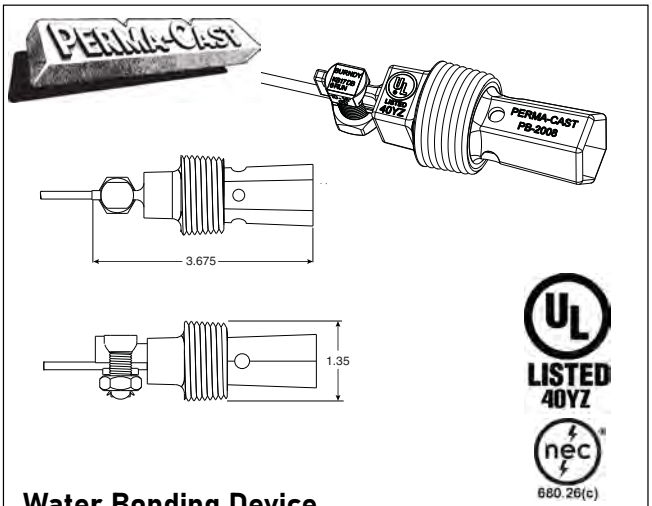
Pre-Bonded at Factory

All NESPA spas are factory pre-bonded prior to shipment. An internal #8 solid copper bonding conductor is installed and connected to all electrical components requiring equipotential bonding in accordance with applicable NEC Article 680 requirements.

The factory-installed bonding system includes connection to:

- Spa control system
- Pumps and motors
- Heater assemblies
- Metallic equipment components
- Electrical equipment bonding points
- Approved water bonding device/system where applicable

This integrated bonding network is designed to equalize electrical potential throughout the spa equipment system and simplify field installation.

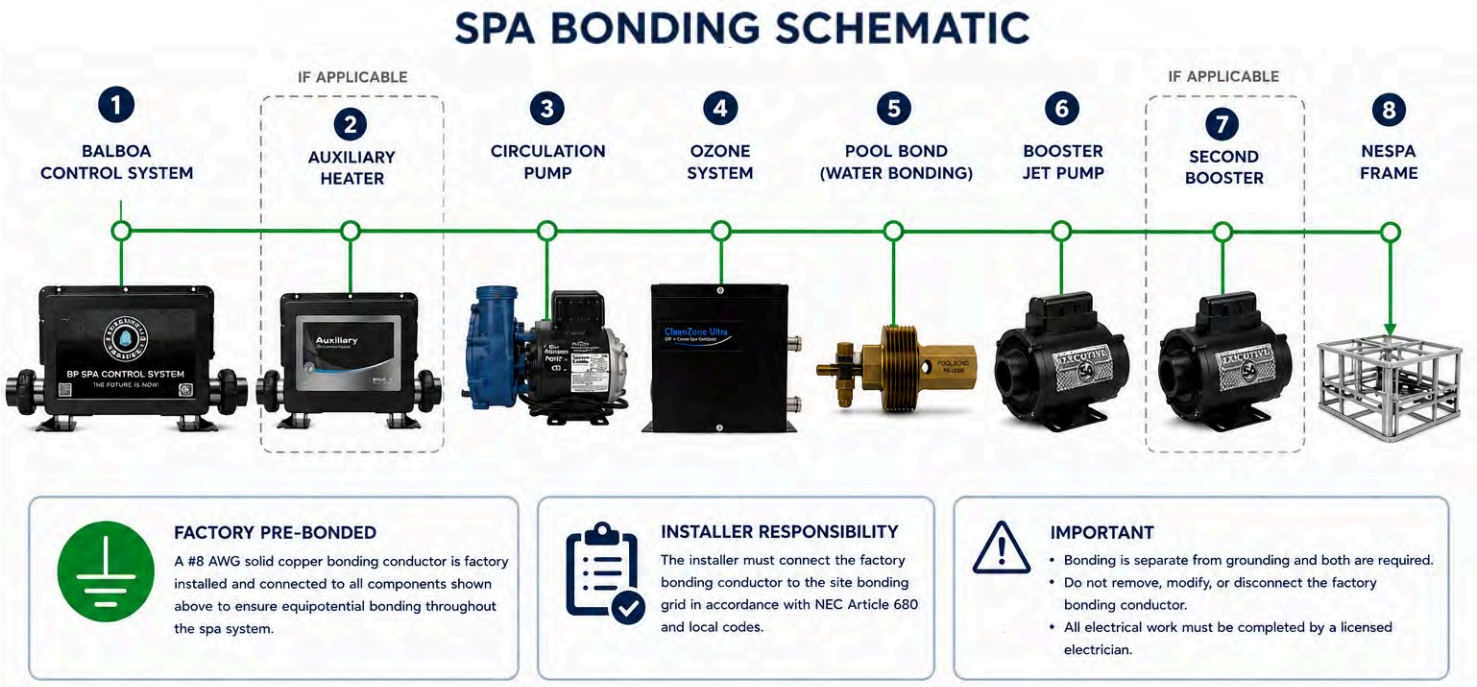


Water Bonding Device

INSTALLER REQUIREMENTS

- The installer or licensed electrician is responsible for connecting the factory-installed bonding conductor to the site bonding grid and any additional local bonding points required by the Authority Having Jurisdiction (AHJ).

- Verify all field bonding connections are completed prior to energizing the spa.



STANDARD NESPA
IN-GROUND INSTALLATION
INSTRUCTIONS
SET-UP AND EXCAVATION

Prerequisites: Before installing your Nespa spa. You may be required to acquire a permit from your local State, County, and City building dept and or Health department. (Commercial jobs need Health Dept. Approval). Your spa installation must comply with the most current codes. **(Uniform Swimming Pool, Spas & Hot Tub Code 2006 (USPC 2006).**

Spa drawings: Request from Nespa a current spa specific construction detail, plan and section, spa plumbing detail.

Delivery Access: Clearly determine the method of getting the spa to jobsite and into the hole. This may require the use of a crane, forklift, hoist, backhoe and/or manpower etc.

1) The following instructions are general guidelines and may not apply to your specific jobsite conditions. When excavating for your spa remember to provide for plumbing and light connection clearances. In order to determine how to excavate for your spa or swim spa, measure spas outside dimension (O.D.) and add minimum 3" to all sides. This 3" clearance is to accommodate jet and suction plumbing. This 3"clearance can change or be reduced upon request. Note: skimmer location, this area may have to be larger than 3", if commercial 22".

2) **Freeze Climates**- If the spa is place into a vault (typical of freeze climates) a standard 18" or more of clearance minimum from spa perimeter should be provided. This dead air space is for possible future access to spa plumbing in case of a freeze. Area drain is mandatory. **Ask your local installer** for his experienced opinion. Do not hesitate to call us because we want to be sure that your installation progresses as smoothly as possible. If you have questions call us. (888) 479-4677.

2) **Hole depth** is determined by spa's outside height dimension. This height may vary depending if spa has skids or no skids. The spa lip may be finished or non- finished. How is the perimeter deck elevation transitioning to the spa? Focus on the finish surrounding deck elevations, thickness of the finish material on spa upper horizontal lip, equal to lip or under the spa lip. This material can be tile, stone, concrete or brick.

3) **Preplumb** the spa before it goes into the hole. If there are needs for electrical , bonding or control conduits run them as well before dropping in hole. Connect bond wire to niche would be best.

4) Spa should sit on level 3 ½" thick reinforced concrete pad. Sweep debris off pad prior to dropping in hole.

5) **Install spa** into the hole on top of concrete pad. Use the Eye bolts provided for crane, forklift etc. rigging. Do not hold onto pipes. Use caution with suction and jet plumbing when lowering into hole. DO NOT STRESS FITTINGS! Fill Spa with water and check for leaks prior to backfill.

6) **Check site reference** points for proper spa positioning (i.e., squaring to house, garage, etc.).

7) **Shim to level spa**. Shim with non-compression able material. Re square to house, or ref. point.

8) **Dry pack** with cement the gaps that have been created when shimming spa level.

9) **Connect pipes to tees** if spa is preplumb. Installers properly support your new plumbing from stressing spas preplumb fittings. After electrical conduit and bond wire is connected to light niche, water test spa before back filling with sand.
   NOTE: **All Nespa products are water tested prior to leaving factory.**

ELECTRICAL:

1) All electrical connections to spa or equipment should comply with the most recent national electrical code (NEC), state and local codes.
2) Connect electrical conduit to light niche. This work should be done or reviewed by a licensed electrician.
3) To install spa light you will need to include inside the PVC conduit to the light niche a solid #8 coated copper wire. (If you are use brass conduit, internal bond wire is not required.) This bond wire should be pulled with the light cord at the same time. This bond wire needs to be attached to the internal bonding lug of the light niche. An approved encapsulate should be applied to bond wire connection in niche.
4) An external #8 copper wire shall be connected to the external bonding lug on the rear of the light niche. This copper wire can then be used for additional bonding requirements (i.e., handrails or any other metallic object within 5' of the spa.

PLUMBING:

1) **When plumbing a Nespa it is important to properly size the plumbing. We highly recommend that you follow the pump manufacturer's pipe sizing requirements and Uniform Swimming Pool, Spas & Hot Tub Code 2006 (USPC 2006). This code book is available at www.IAPMO.org or (909) 472 4100.**
2) The jet air venturi should be a Hartford loop design adjacent to spa shell and air entry point can be located next to spa or remotely at equipment.
3) Fill spa with water and test the system for leaks PRIOR to backfilling with sand.

SAND BACK FILL:

1) **With water in spa, back-fill around spa perimeter with dry plaster sand and wet wash with hydraulic attachment to hose. Let set for one hour and hydraulic dry again. Be sure water level in spa is at the highest level. Any questions please call us. (888) 479-4677.**
2) **If spa is free standing on elevated deck or a structure, it is important to fill spa with water and load area prior to installing coping or perimeter decking. If spa is installed in a vault situation a area drain is needed.**

NESPA ENTERPRISES, Inc. LIMITED WARRANTY

This LIMITED WARRANTY covering NESPA products is extended to the ORIGINAL PURCHASER-USER BY NESPA ENTERPRISES Inc.(NESPA), 2800 Richter Ave. Unit C California 95966.

NESPA products are thoroughly inspected and tested prior to factory shipment. NESPA warrants to the ORIGINAL PURCHASER-USER that NESPA Spas and Swim Spas will be free of defect in workmanship, accessories and parts, provided said accessories and parts were manufactured by NESPA. NESPA, under this LIMITED WARRANTY, warrants only that its Spas and Swim Spas shall be structurally sound, shall retain their shape, and shall retain water for the warranty period. NESPA warrants the adhesion of tile to fiberglass for a period of three (3) years and structural soundness for ten (10) years. NESPA warrants epoxy grout adhesion for a period of three years. If any such defects appear and are reported within the warranty period, NESPA shall repair or replace such defective parts without charge if an inspection proves the claim.

The provisions of the LIMITED WARRANTY shall not apply to tile cracked, split, chipped or damaged after the product has left the factory, nor damage to tile caused by freezing nor to damage, defect, malfunction or failure to conform with the above warranty provisions where the damage, defect, malfunction or failure to conform was caused during shipment or by distributor or by unreasonable use by ORIGINAL PURCHASER-USER including improper water balance and improper sand pack or support.

This LIMITED WARRANTY shall not apply to any plumbing, equipment, or installation of spas and Swim Spas and shall not apply to any alterations made to or upon NESPA products except alterations made by NESPA employees or NESPA authorized representatives.

This LIMITED WARRANTY is expressly in lieu of all other warranties expressed or implied including the warranties of merchantability and fitness for use and all other obligations or liabilities on NESPA'S part, and NESPA neither assumes nor authorizes any other person to assume for NESPA any other liability in connection with the sale of this NESPA product. This LIMITED WARRANTY shall not apply to this NESPA product or any part thereof which has been subject to accident, negligence, alteration, abuse or misuse. NESPA makes no warranty whatsoever with respect to accessories or parts not manufactured by NESPA.

The term "ORIGINAL PURCHASER-USER" as used in this LIMITED WARRANTY shall be deemed to mean that person for whom the NESPA product is originally installed.

The LIMITED WARRANTY provided herein and the obligations and liabilities of NESPA hereunder are exclusive and are in lieu of, and buyer and original PURCHASE-USER hereby waive all other remedies, warranties, guarantees or liabilities, expressed or implied, arising by law or otherwise (including without limitation and obligations of NESPA with respect to fitness, merchantability, and consequential damages) or whether or not occasioned by NESPA'S negligence.
This LIMITED WARRANTY shall not be extended, altered or varied except by a written instrument signed by NESPA and original PURCHASER-USER.

NTS
NESPA TILED SPAS



NESPA TILED SPAS

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Customer Service is available:
Monday- Friday:
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