USER MANUAL FOR SPA

PEAKLIFE

/ CONTROL SYSTEMS / KEYPADS / ACCESSORIES /

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INTRODUCTION

Congratulations on your new product!

Outside work and family the enjoyment of quality life and calm moments plays an important role in the life of a 21st century man. An evening bath in the spa or tub alone or in company can give you the opportunity to lose track of time and your body and soul can relax. From the world of rationality we get into the world of senses where the cosseting atmosphere of the water provides the perfect conditions for relaxation.

Our design engineers utilised the experiences of the ancient Eastern massage culture and the modern findings of Western hydrotherapy to create spas providing the perfect massage experience.

Develop a peaceful space for relaxation with your product in your home and join the group of the few who seek a positive impact on their environment by establishing internal harmony.

Dive into your spa and enjoy the gently flowing water!

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SAFETY INSTRUCTIONS

FOR YOUR SAFETY PLEASE ALWAYS PERFORM THE FOLLOWING PRECAUTIONS. IF YOU DO NOT FOLLOW THE WARNINGS AND INSTRUCTIONS, ITEMS MAY GET DAMAGED, YOU MAY GET INJURED, OR YOU MAY SUFFER FATAL INJURY. IMPROPER INSTALLATION AND OPERATION INVALIDATES THE WARRANTY.

Initial safety warnings

The spa must be powered through a residual current device (RCD) with a rated residual operating current not exceeding 30 mA.

The electrical supply of the spa shall be provided with an all-pole isolating device, allowing complete disconnection from the power supply, with a contact separation in accordance with the applicable electrical installation standards.

Devices and parts containing live parts – except those supplied by protective extra-low voltage not exceeding 12 V – must be inaccessible from the spa.

ABOUT THE ENVIROMENTALLY SAFE WATER DRAINING

The spa must be powered through a residual current device (RCD) with a current release not exceeding 30mA.

The devices and parts which contain active parts – except those which are powered from protective extralow voltage not exceeding 12V – must be inaccessible from the spa.

About the enviromentally safe water draining

The water temperature in the spa should never exceed 40°C (104°F). The water temperature is considered safe for a healthy adult at 36 to 38°C. Lower water temperature is recommended for younger children or when the spa is used for more than 10 minutes.

Spa heat can cause hyperthermia!

Symptoms: drowsiness, heaviness

This appliance may be used by children aged 8 years and above, and by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, only if they have been given supervision or instruction concerning the safe use of the appliance and understand the hazards involved.

Children shall not play with the appliance.

Cleaning and user maintenance shall not be carried out by children without supervision.

People with heart disease, low or high blood pressure, circulatory disorders, diabetes, and excessive weight should consult their physician prior to using the spa.

Consumption of alcohol or drugs while using the spa greatly increases the chance of fatal overheating.

A person taking medications should consult a doctor before using the spa as some medicines may cause drowsiness while others may affect the heart rate, blood pressure, and circulation.

Persons who suffer from infectious diseases should not use the spa.

Because high water temperature poses a high risk to the fetus and may cause serious fetal damage we advise that (potentially) pregnant women do not use the spa at a water temperature higher than 38°C. Wet surfaces can be slippery. Note and warn your child about this when entering and leaving the spa. To avoid injury carefully get into and out of the spa.

Do not use the spa if the suction cover is damaged or missing.

Never place any electric device within a 2-meter radius of the spa - it can cause electrical shock. Electric devices fallen into water may cause death, electric shock, or serious personal injuries.

It is prohibited to remove the panels while using the spa.

Water treatment should be carried out with caution. Improperly chemically treated* water may cause skin irritation.

When the spa is not in use, cover the spa with the cover to prevent ultraviolet radiation causing damage to the product.

Do not allow your child to climb on the thermo cover when it is on the water-filled spa.

Do not remove any suction sealing. Do not operate the spa if the suction sealing is broken or missing.

WARNING! *The metallic parts of the pool may become hot when exposed to sunlight and can cause injury!*

Keep your clothes and jewellery away from rotating jets and moving parts.

Test the residual current device before use.

Disconnect the spa from the power supply before servicing its electrical parts. (This operation can only be performed by qualified professionals).

It is strictly prohibited to use the spa in a not completely assembled state (e.g. detached side panel)

Chemical treatment of water can only be performed by persons under the age of 18 under parental supervision.

Maintenance can only be performed by trained professionals.

The user should check the electrical wiring every 3 months. It is required to perform a check by a professional every 3 years.

Mains fuses / circuit breakers may be activated because of power outages.

Installation and wiring of the spa, replacement of power cord, and any repairs must be performed by qualified professionals.

It is required to build in an isolating device to the fixed wiring.

Plug'n'play safety warnings

Beyond the previous warnings, please also pay attention to the undermentioned ones.

ATTENTION! *The electrical receptacle must be located at least 2.5 meters from the spa so that bathers in a sitting position cannot reach it from the water. The plug can only be connected to a receptacle* equipped with 2.5mm 2 diameter cables*

ATTENTION! *RISK OF ELECTRIC SHOCK. The connector with residual current device must be inspected before every use.*

ATTENTION! *Only place the RCD plug in a receptacle equipped with RCD.*

ATTENTION! *Before you insert the plug into the socket ensure that the current of the socket and the fixed wiring is appropriate for the properties of the spa.*

The spa must be equipped with an isolation transformer or powered through a residual current device with a release current not exceeding 30mA.

THIS PRODUCT IS EQUIPPED WITH A GROUND FAULT CIRCUIT BREAKER (GFCI) IN THE CONNECTOR. GFCI MUST BE TESTED BEFORE EACH USE.

If the power cable is damaged, it must immediately be replaced by the manufacturer or a service professional in order to minimize danger.

To minimize the risk of electric shock do not use extension leads to connect the product to the power supply.

Ensure that the receptacle is properly located.

Parts of the equipment cannot be placed above the spa during usage.

Parts under electrical power – except those operating with voltage not exceeding 12V - must be inaccessible for persons in the spa. The grounded device must be connected to a fixed socket with fixed wiring. Electrical parts – except remote controllers – must be positioned so as not to fall into the spa.

The electrical installation must meet the local standard requirements.

To avoid electric shock do not use the spa in rain.

Water attracts children. Always place and lock the cover on the spa after each usage.

Do not bury cables into the ground! Place the cables so that lawnmowers, trimmers, and similar devices will not reach them.

Do not force push the control panel up nor down and do not place heavy objects on it after installation.

Keep pets away from the spa to avoid damage.

Do not use the device if there is the slightest chance of water in the spa being frozen.

Only use accessories approved by us. The use of accessories not approved by us may void the warranty.

Choking hazard. Particular attention need to be paid to children during usage. To avoid accidents only allow children to use this spa under adult supervision.

Never operate electrical devices in the spa or with wet body. Do not place electrical devices (lamp, radio, television) within a 1.5m radius of the spa.

Do not expose the spa to direct sunlight.

Only connect the spa to an earthed socket.

Risk of electric shock. Install the unit at least 1.5m (5 feet) from any metal surfaces. You can install the unit 1.5m from metal surfaces only if every metal surface is permanently connected to a solid copper conductor

with a diameter of at least 6mm, which is connected to the cable connector of a junction box reserved for that purpose.

To avoid injury never pour water warmer than 40°C directly into the spa.

Effects of overheating: you cannot assess emergency situations, do not feel the temperature, do not feel the need to get out of the spa, cannot get out of the spa; risk of fetal damage in pregnant women, loss of consciousness, suffocation.

Do not use the spa alone.

Do not use the spa immediately after strenuous sport.

To prevent damage to the pump the spa can only be operated if it has been filled with water.

If you feel uncomfortably or sleepy, leave the spa immediately.

Never add water to the chemicals. Always be cautious when adding chemicals to the spa water to avoid inhaling vapors and possible effects of inhaling undiluted chemicals and splatters.

Only place the spa on a surface that can support its weight.

INSPECT THE UNIT BEFORE USE. CONTACT THE SERVICE PROVIDER STATED IN THIS MANUAL IF ANY OF THE PARTS WERE DAMAGED OR MISSING UPON PURCHASE. ENSURE THAT THE PARTS OF THE UNIT ARE THOSE WHICH YOU INTENDED TO BUY.

IN.CLEAR SAFETY WARNINGS

Beyond the previous warnings, please also pay attention to the undermentioned ones

Read this manual carefully, always follow its instructions, and retain it. This manual contains important information about the installation, operation, and safety recommendations of the in.clear unit. Safe installation and usage is your responsibility.

The in.clear unit must be connected to a network protected by a ground fault circuit interrupter (GFCI) of the maximal nominal fault current value of 30mA.

Ensure that the entire power supply is turned off before the in.clear unit is installed.

If the power cord is damaged, it must be replaced by the manufacturer, an authorized service provider, or qualified professionals to avoid emergencies.

Always use a proper electric cable for supply of current to the in.clear unit.

When installing the in.clear Automatic Bromine Generator local and international electrical regulations must be complied with.

Clean or replace the filter cartridge at regular intervals, otherwise part of the bromine produced by the in.clear unit will be consumed by oxidation of contamination accumulated in the filter.

DO NOT pour any other chemicals into the spa than the recommended sodium bromide. DO NOT use any ozone or UV disinfectant.

Operating the in.clear unit on lower sodium bromide level shortens the life of the cells. Keeping sodium bromide and bromine levels above the recommended level may lead to corrosion of the spa components and cause damage to the spa accessories.

Do not open the in.clear unit; it does not contain serviceable parts

Product disposal: the in.clear unit must be disposed of in accordance with local disposal regulations in force.

This device is not intended for use by persons (nor children) with limited physical, sensory, or mental capabilities except if these persons have received appropriate instruction on use of the device from the person responsible for their safety.

The in.clear unit cannot be applied to in-ground sunken spas as it may affect materials used in the construction.

The shut-off device must have fixed wiring in accordance with the cabling regulations.

Showering is compulsory before each spa use.

The user is responsible for regular monitoring of the spa water to ensure that enough bromine is available to reach the appropriate cleaning level. Intensive spa use may require higher bromine intake to always maintain appropriate bromine level.

Always check the expiry date of the test kit, because after this date the test results may be inaccurate.

For proper disinfection spas must periodically be completely drained. The advised time period between full drains given in days is calculated by dividing the capacity of the spa in litres by the tenfold of the average daily users.

The in.clear unit is applicable for indoor spas, but NOT for swimming pools.

Distinguishing Between P&P and Non P&P Installation:

It's important to differentiate between Plug & Play (P&P) and Non Plug & Play (Non P&P) installation methods as they im¬pact the setup of the spa, particularly regarding the securing of the spa and the placement of wires.

Non P&P Installation:

In cases where the spa is not set up as a Plug & Play system, it is necessary to secure the spa to prevent the power cord from mechincal damage. This is particularly crucial if the pool is not sunk into any level.

The movement of the pool constitutes a reinstall in every case, please ensure that the pool cannot move.

P&P Installation:

Place the spa in range of a socket, plug in the power cord. Check if the spa is powered. When placing the spa relative to the socket, please be mindful about tripping hazard.

BASIC FUNCTIONS

Keypads: The keypads make it possible to control and set up the spa. Available basic functions: pump(s), light and temperature control. (For more information see the details later)

Valves
Diverter: Some spa are equipped with water diverter(s) that allows you to direct the waterflow to various sections of the spa. The valve has three basic positions By turning the lever all the way to the left position will divert the water section A of the spa. By turning the lever all the way to the right will shut off section A and divert the water to section B and by moving the lever to the middle between A & B will divert the water to both A & B sections

Waterfall diverter: Some spas are equipped with a waterfall diverter which will turn the waterfalls/fountians either on or off

Air regulators: You can use it by turning the lever counter-clockwise, will open the Air Regulator to allow air to mix with the water to create more pressure from the jets. Turning the lever to the left will cose the valve not allowing air to mix with the water for the jets. These air regulators should remain closed when the spa is not in use to save energy.

Speakers (Optional): If your spa is equipped with an audio system, you can connect via Bluetooth and help your relaxing with your favourite music. (AquaSoul™ pin: 5555)

Filter house: Part of the recirculating system, it holds the paper filter.

Fountain: Some spas are equipped with fountians or waterfalls. If you open the waterfall diverter, the water will flow through the fountains or waterfalls.

Jets: There are 2 sizes of normal jets: 3" and 5".
Infinity jet: The infinity jet makes the massage experience even more enjoyable by massaging a larger portion of the body and doesn't only move up and down, it draws an infinite figure eight as it turns.
Circulation jet: the new circulation jet has been designed to have 3 zones, where 2 zones are pointed downwards to stir up the sand and dirt from the bottom of the hot tub.

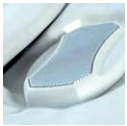
Suction: The pumps suck the water through this element. Never block it, and keep your body and hair away from these units.

Head rests

Keypads

Diverter, Air regulator, On/off valve

Speaker cover



Filter house

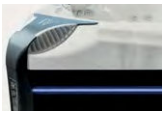
Fountain

Jets (Infinity, 5"-direct, 3"-direct)

Circulation jet

Suction

Lights



Instructions for Reading the Code on the Data Card:

Locate the data card on your spa, usually situated beneath the side panel, typically on the same side as the control panel. Utilize the table provided on the following page to decipher the internal code to determinte the spa specification.

Example of data card:

MANUFACTURER / HERSTELLER / VÝROBCA / FABRICANT / GYÁRTÓ	Wellis®
INTERNAL ORD. NR. / BELSŐ MEGR. SZ.	**E414141**
MODEL	Malaga Life
TYPE	WM3O*GCECBD2****H1MNE**WNNN
SERIAL NUMBER / SERIAN NUMMER / VÝROBNÉ ČÍSLO / UMERO DE SERUE/ GYÁRTÁSI SZÁM	**WM00541-41**
Date of production / Herstellenungsdatum / Gyártás dátuma	240314
max. POWER / LEISTUNG / TELJESÍTMÉNY	8 kW
CONTROL PANEL / BEDIENUNGSTASTE / KEZELŐ	IN.K500
Wellis Magyarország Zrt. Hungary-2371, Dabas, Mánteleki út hrsz.: 0417 CE UK CA IP45	400V 3N~

WM1ARDCACBE1D1**W1NO*L*WEWN

CODE: WM1 AR D C A C B E1D1** W1 N O * L * W E W N

Spa Type

WM1	1 phase Hot Tub
WM3	3 phase Hot Tub
WU3	3 phase Swimspa

Spa Shell

A*	(1)	AE	(45)
B*	(2)	AF	(46)
C*	(3)	AG	(47)
D*	(4)	AH	(48)
E*	(7)	AI	(49)
F*	(9)	AJ	(50)
G*	(10)	AK	(51)
H*	(12)	AL	(52)
I*	(13)	AM	(53)
J*	(14)	AN	(55)
K*	(15)	AO	(67)
L*	(16)	AP	(56)
M*	(17)	AQ	(57)
N*	(20)	AR	(58)
O*	(21)	AS	(60)
P*	(22)	AT	T61
Q*	(23)	AU	T62
R*	(24)	AV	T63
S*	(25)	AW	T64
T*	(26)	AX	T65
U*	(27)	AY	T66
V*	(28)	AZ	(11U)
W*	(29)	BA	(18U)
X*	(30)	BB	(34S)
Y*	(31)	BC	(35S)
Z*	(32)	BD	(35U)
AA	(37)	BE	(36S)
AB	(39)	BF	(6U)
AC	(40)	BG	(B11)
AD	(41)		

Frame Color

A	Alba Pearl White
B	Midnight Canyon
C	Midnight Opal
D	Sterling Silver
E	Storm Clouds
F	Tuscan Sun
G	Ice White
H	Winter Solstice
J	Lightest Gray
K	Ethermist Gray
L	Dolphin Gray
M	Champagne
N	Coffee Cappuccino
O	Beige
P	Matt Black
Q	Matt White
R	Gold
S	Turquoise Blue
T	Pastel Blue
U	Dark Green Matt

Insulation

A	1
B	2
C	3,5
D	3

Control Panel

A	K1000
B	K300-1pump
C	K300-2pump
D	K1001
E	K500
F	K800

Disinfection System

A	Inclear
B	UV-C system
C	Ozone system
D	Ozone-mixer
E	UV-C + Ozone

Control Type

A	YJ-2
B	YE-3
C	YE-5
D	YT-8

Circulation pump

Pump type	Pump count
* No Circulation pump	*
	1
V 0,35 LE CIRC.	2
	3
X 1,5 LE CIRC. (Only For W1U3)	4
	5
	6
	7
	8
	9

Pump

Pump type	Pump count
* No pump	*
B 2 LE - 1 speed	1
C 2 LE - 2 speed	2
D 3 LE - 1 speed	3
E 3 LE - 2 speed	4
F 3 LE - 2 speed W	5
	6
T TURBINE	7
	8
	9

Amplifier

N	No Amplifier
M	MyMusic
A	AquasoulPRO

Aux. Interface

N	No auxiliary interface
O	1 button
F	4 button
A	1 button and 4 button

Spa Lighting

*	No Exclusive LED
E	Exclusive LED

Spa Lighting

*	No Sidelight LED
L	Sidelight LED

Spa Lighting

*	No Under Water Lighting
U	Under Water Lighting
J	Jet Lighting
C	Jet and Under Water Lighting

WiFi

N	No Wifi
W	Wifi

EWD
Electric Water Diverter

N	No EWD
E	EWD

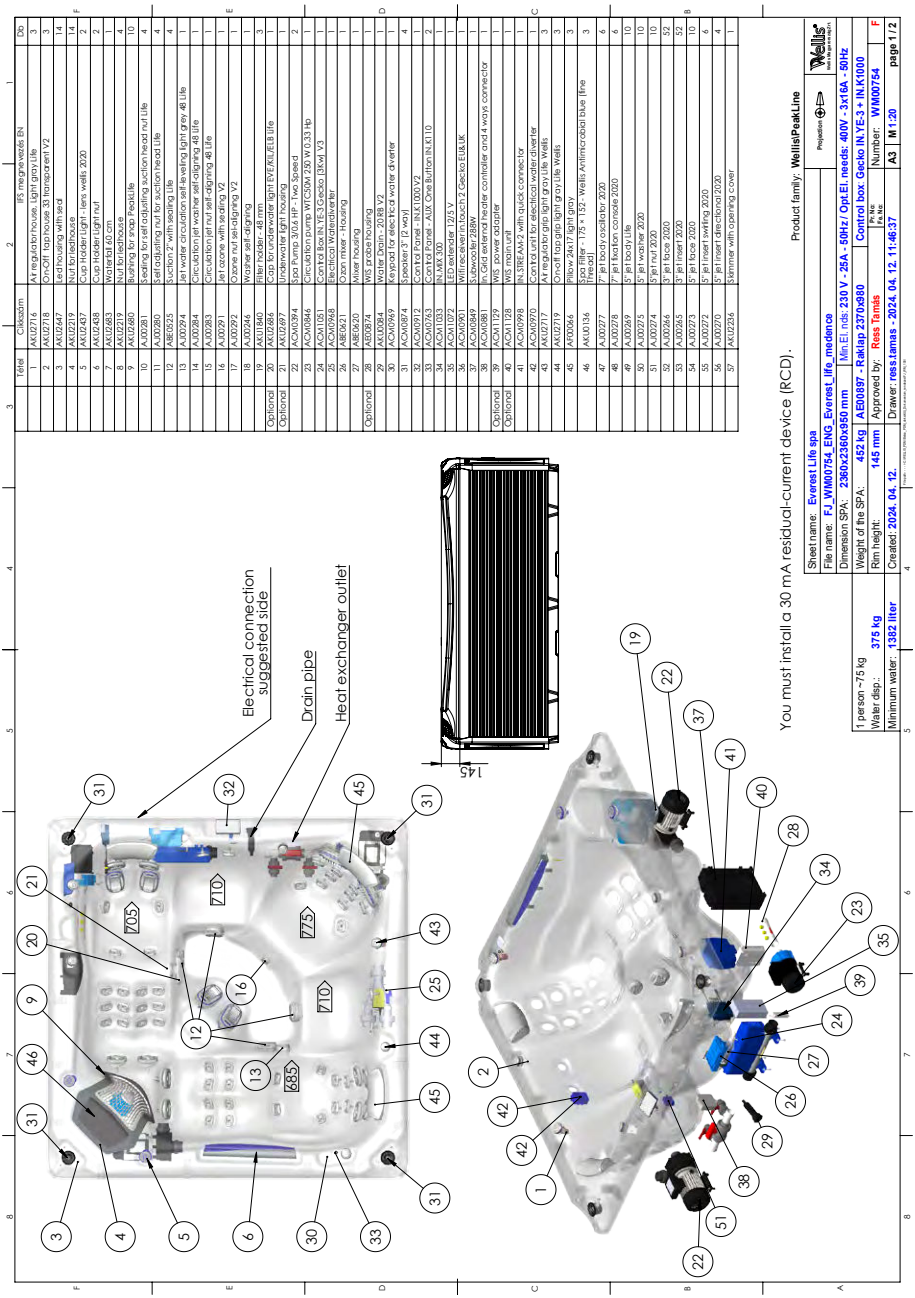
WIS
Wellis Intelligent System

N	No WIS
W	WIS

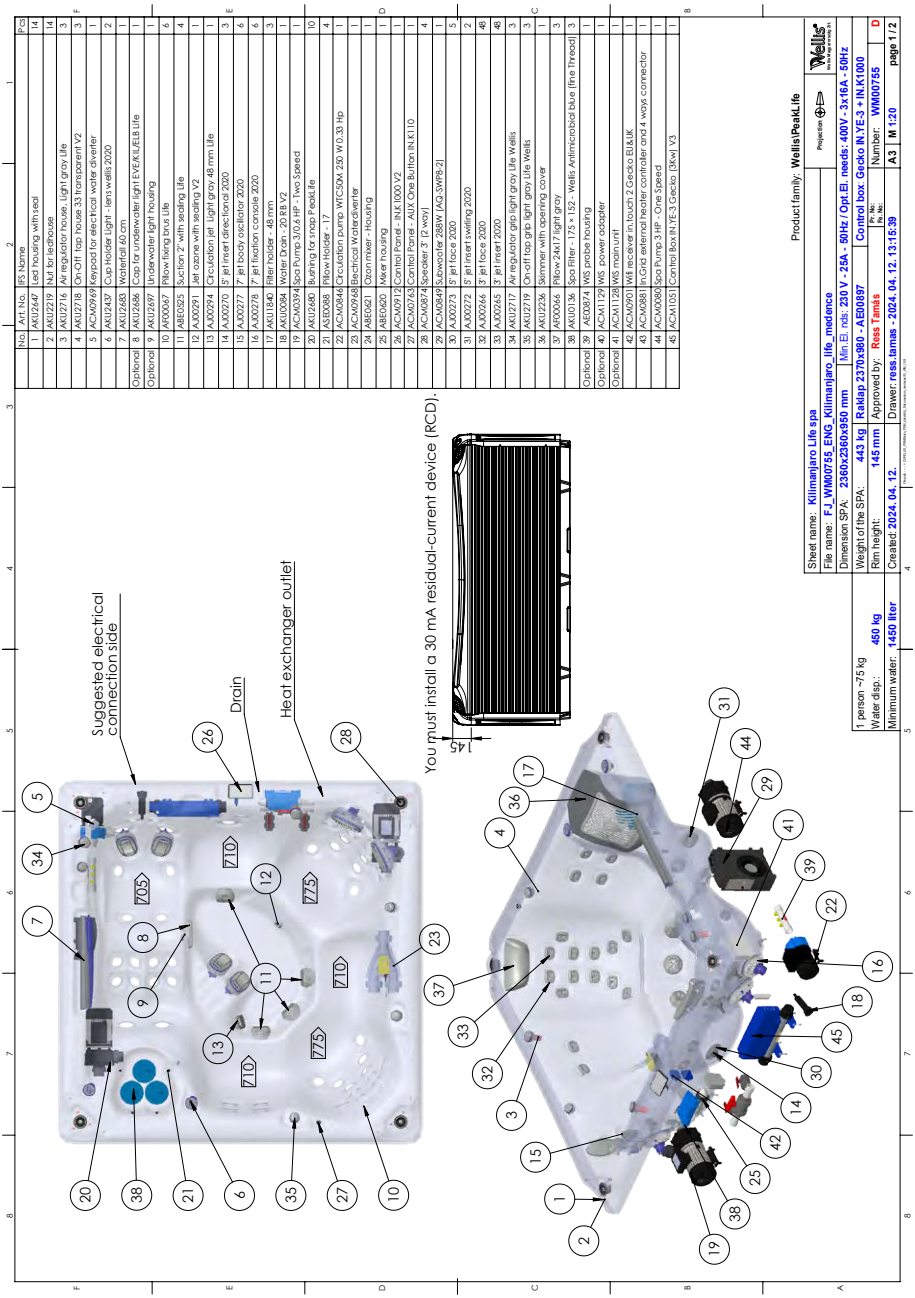
P&P
Plug & Play

N	Non-P&P
P	P&P

EVEREST LIFE



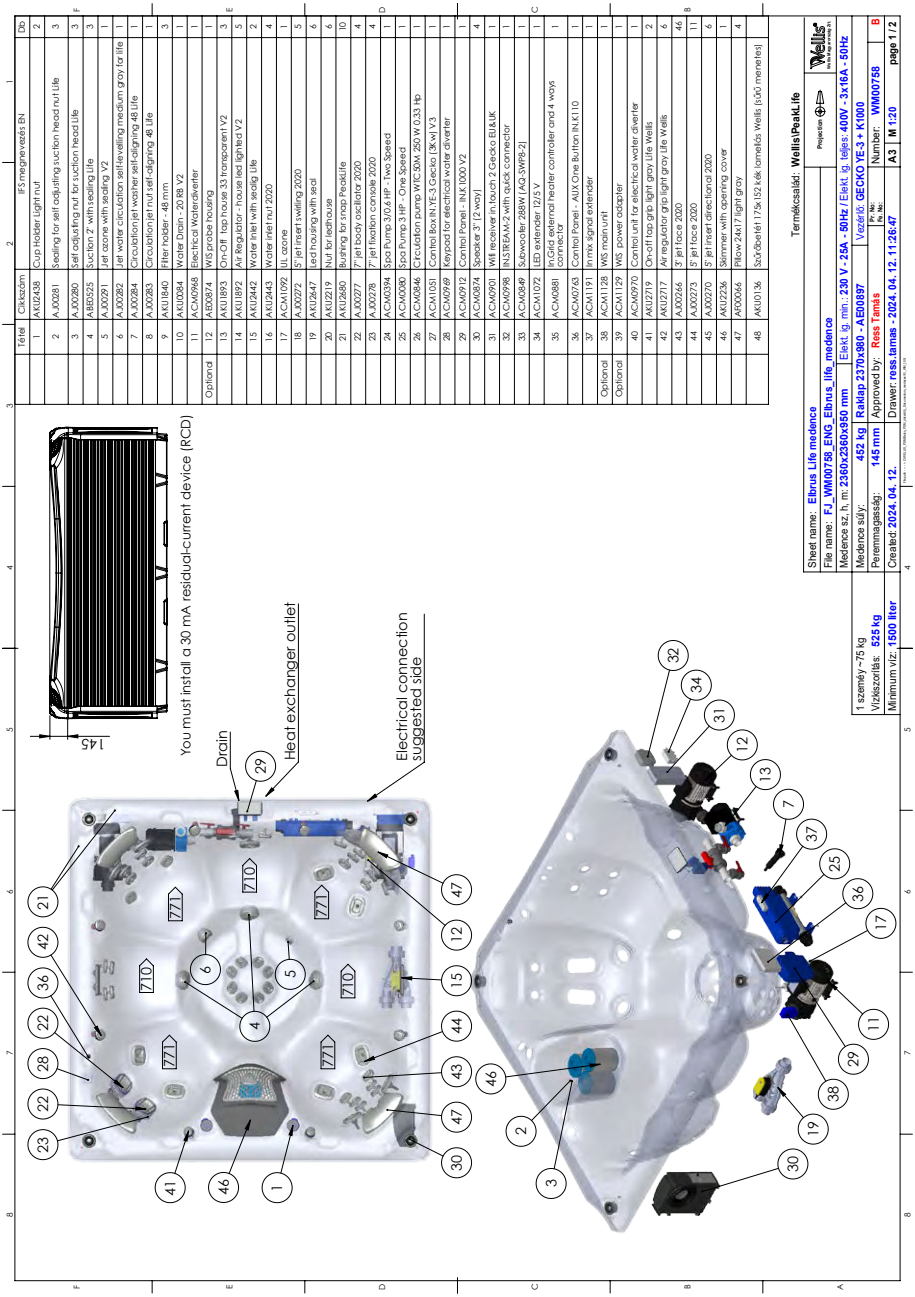
KILIMANJARO LIFE



No.	Art. No.	BS Name	Pcs
1	AKU2647	Led housing with seal	14
2	AKU2219	Nut for leafhouse	14
3	AKU2716	Air regulator house - Light gray Life	3
4	AKU2718	On-Off top house 33 transparent V2	3
5	ACM0969	Keypad for electrical water diverter	1
6	AKU2437	Cap holder Light - Iers wellis 2020	2
7	AKU2483	Waterfall 60 cm	1
Optional 8	AKU2686	Cap for underwater light EVE/KLLE/LB Life	1
Optional 9	AKU2897	Underwater light housing	1
10	AF00067	Pillow fixing bros. Life	6
Optional 11	ABE0325	Suction 2" with sealing Life	4
12	AJ00291	Jet ozone with sealing V2	1
13	AJ00294	Circulation jet Light gray 48 mm Life	1
14	AJ00270	5" jet insert directional 2020	3
15	AJ00277	7" jet body oscillator 2020	6
16	AJ00278	7" jet fixation console 2020	6
17	AKU1840	Filter holder - 48 mm	3
18	AKU0084	Water Drain - 20 RB V2	1
19	ACM0394	Spa Pump 3/0.6 HP - Two Speed	1
20	AKU2680	Bushing for snap PeakLife	10
21	ASF0088	Pillow Holder - 17	4
22	ACM0846	Circulation pump WTC50M 250 W 0.33 Hp	1
23	ACM0768	Electrical Waterdiverter	1
24	ABE0621	Ozon mixer - Housing	1
25	ABE0620	Mixer housing	1
26	ACM0912	Control Panel - INK1000 V2	1
27	ACM0763	Control Panel - AUX One Button INK110	1
28	ACM0874	Speaker 5" (2 way)	4
29	ACM0849	Subwoofer 288W (AQ-SW98-2)	1
30	AJ00273	5" jet face 2020	5
31	AJ00272	5" jet insert swiling 2020	2
32	AJ00266	3" jet face 2020	48
33	AJ00265	3" jet insert 2020	48
34	AKU2717	Air regulator grip light gray Life Wellis	3
35	AKU2719	On-off top grip light gray Life Wellis	3
36	AKU2236	Skimmer with opening cover	1
37	AF00065	Pillow 24x17 light gray	3
38	AK00136	Spa Filter - 175 x 152 - Wellis Antimicrobial blue (fine Thread)	3
Optional 39	AE00874	WS probe housing	1
Optional 40	ACM1129	WS power adapter	1
Optional 41	ACM1128	WS main unit	1
42	ACM0901	Wifi receiver in touch 2 Gecko EU&UK	1
43	ACM0881	In.Grid external heater controller and 4 ways connector	1
44	ACM0880	Spa Pump 3 HP - One Speed	1
45	ACM1051	Control Box IN.YE-3 Gecko [3Kw] V3	1

CONNECTION DIAGRAM

ELBRUS LIFE



Tétel	Cikkszám	2	Db
	1 AKU2438	Cup Holder Light nut	2
	2 AJX0281	Sealing for self adjusting suction head nut Life	3
	3 AJX0280	Self adjusting nut for suction head Life	3
	4 ABS5525	Suction 2" with sealing Life	3
	5 AJX0291	Jet ozone with sealing V2	1
	6 AJX0282	Jet water circulation self-levelling medium gray for Life	1
	7 AJX0284	Circulation jet washer self-aligning 48 Life	1
	8 AJX0283	Circulation jet nut self-aligning 48 Life	1
	9 AKU1840	Filter holder - 48 mm	3
	10 AKU0364	Water Drain - 20 X8 V2	1
	11 ACM0968	Electrical Waterdiverter	1
Optional	12 ABX0874	WS probe housing	1
	13 AKU1893	On-Off, top house 33 transparent V2	3
	14 AKU1892	Air Regulator - house led lighted V2	5
	15 AKU2442	Water inlet with sealig Life	2
	16 AKU2443	Water inlet nut 2020	4
	17 ACM1092	UL ozone	1
	18 AJX0272	5" jet insert swiling 2020	5
	19 AKU2647	Led housing with seal	6
	20 AKU2219	Nut for led house	6
	21 AKU2680	Bushing for snap PeakLife	10
	22 AJX0277	7" jet body oscillator 2020	4
	23 AJX0278	7" jet fixation console 2020	4
	24 ACM0394	Spa Pump 3.0-6 HP - Two Speed	1
	25 ACM0380	Spa Pump 3 HP - One Speed	1
	26 ACM0846	Circulation pump WFC-30W 230 W 0.33 Hp	1
	27 ACM1051	Control Box IN-TE-3 Gecko [3K w] V 3	1
	28 ACM0969	Keypad for electrical water diverter	1
	29 ACM0912	Control Panel - IN-K 1000 V2	1
	30 ACM0874	Speaker 3" [2 way]	4
	31 ACM0901	Wifi receiver in touch 2 Gecko EU&UK	1
	32 ACM0998	INSTREAM-2 with quick connector	1
	33 ACM0849	Subwoofer 288W [AQ-SWP8-2]	1
	34 ACM1072	LED extender 12/5 V	1
	35 ACM0881	InGrid external heater controller and 4 ways connector	1
	36 ACM0763	Control Panel - AUX One Button IN-K110	1
	37 ACM1191	In mix signal extender	1
Optional	38 ACM1128	WS main unit	1
Optional	39 ACM1129	WS power adapter	1
	40 ACM0970	Control unit for electrical water diverter	1
	41 AKU2719	On-off top grip light gray Life Wellis	2
	42 AKU2717	Air regulator grip light gray Life Wellis	6
	43 AJX0266	3" jet face 2020	46
	44 AJX0273	5" jet face 2020	11
	45 AJX0270	5" jet insert directional 2020	6
	46 AKU2236	Skimmer with opening cover	1
	47 AKX0346	Pillow 24x17 light gray	4
	48 AKU0136	Szűrőbetét 175x152 kék lamellás Wellis (v30 menetes)	

Termékcsalád: **WellisPeakLife**

Sheet name: **Elbrus Life medence**

File name: **FJ_WM00758_ENG_Elbrus_life_medence**

Projection

Medence sz., h, m: **2360x2360x950 mm** | Elekt. ig. min.: **230 V - 25A - 50Hz / Elekt. ig. teljes: 400V - 3x16A - 50Hz**

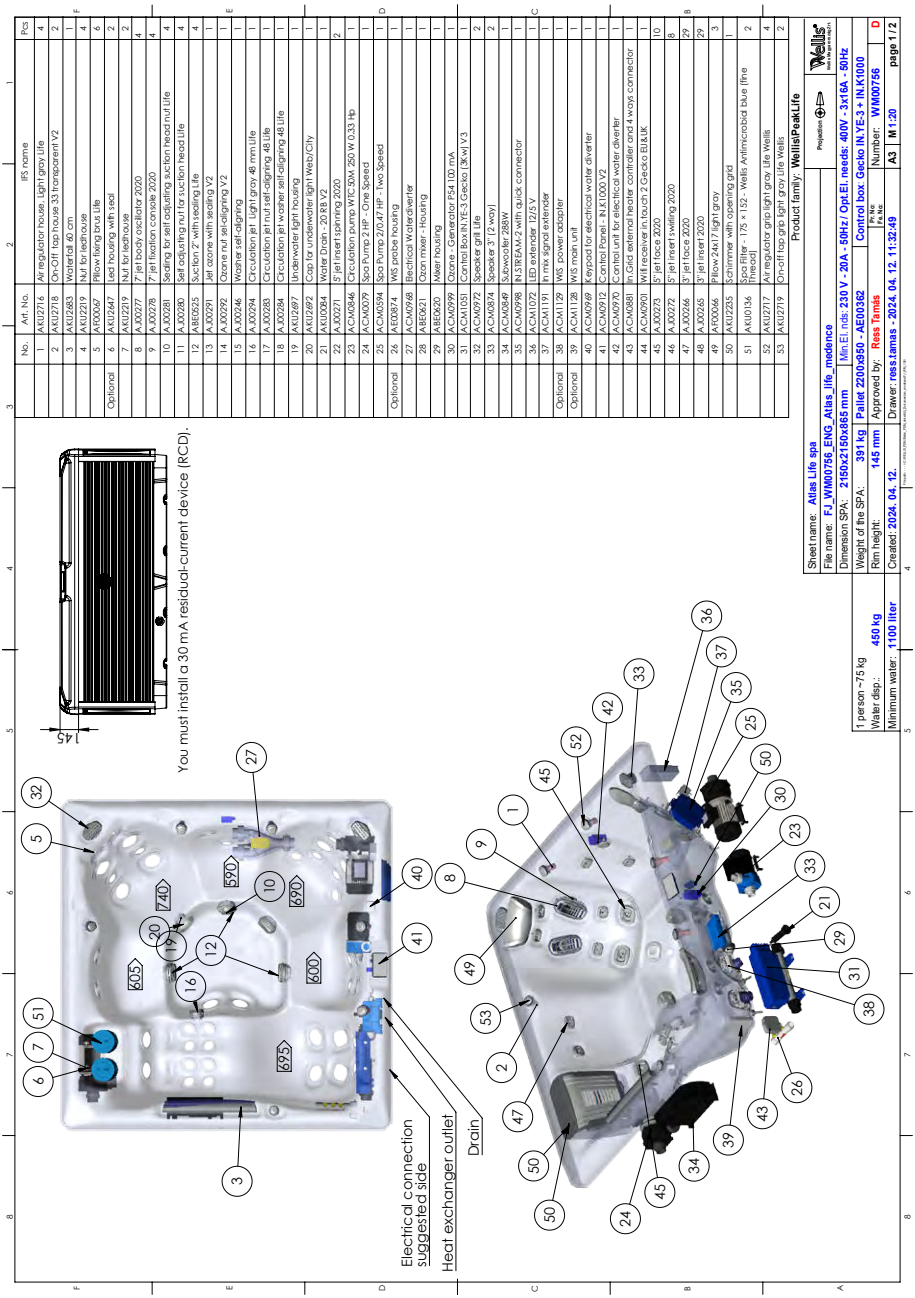
Medence súly: **452 kg** | Raklap 2370x980 - AE00897 | Vezérlő: **GECKO YE-3 + K1000**

Permmagasság: **145 mm** | Approved by: **Ress Tamás** | Pr. No: / Ps. No: | Number: **WM00758** | **B**

Created: **2024. 04. 12.** | Drawer: **ress.tamas - 2024. 04. 12. 11:26:47** | **A3** | **M 1:20** | **page 1/2**

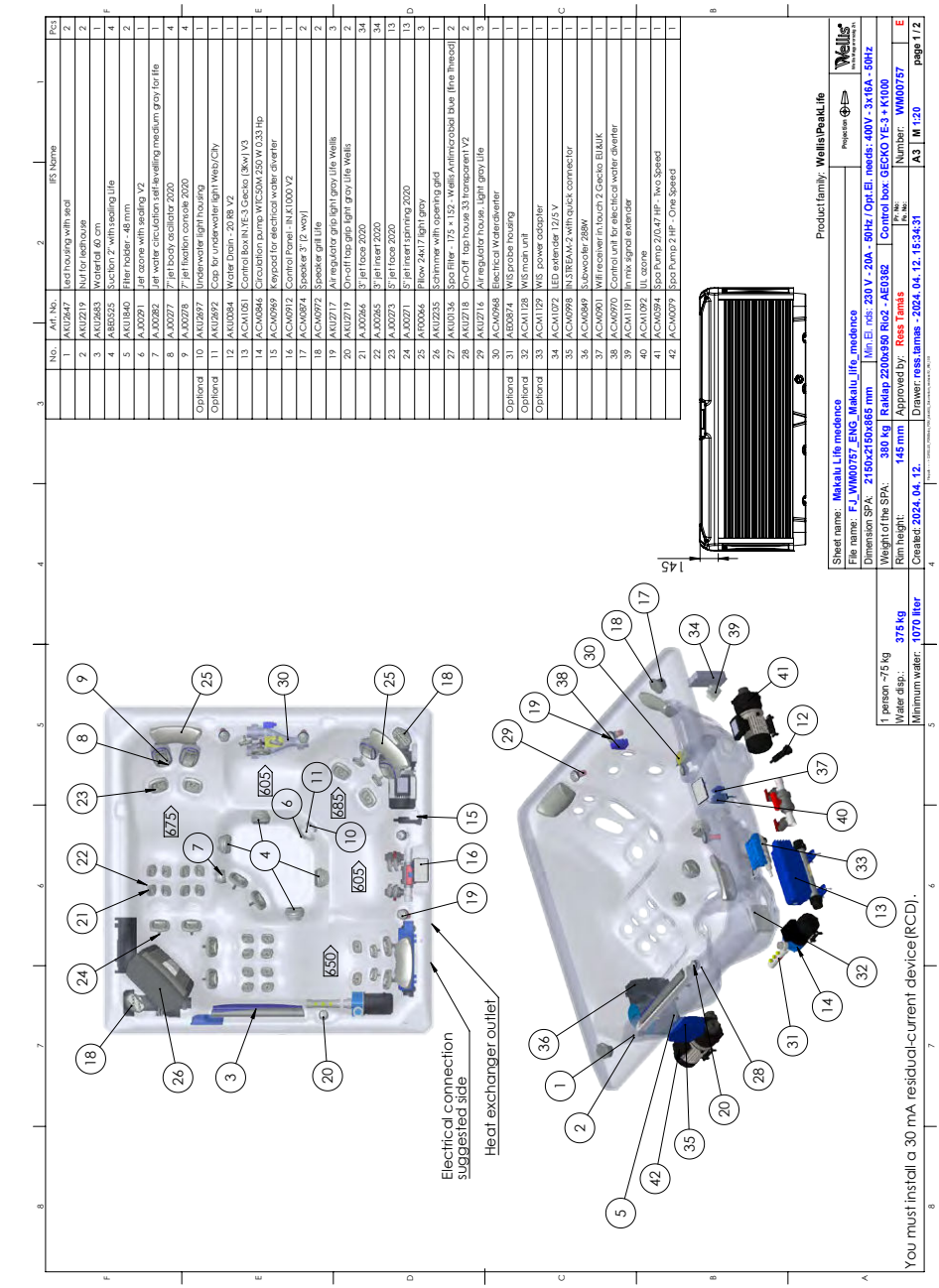
1 személy ~75 kg | Vízkiszorítás: **525 kg** | Minimum víz: **1500 liter**

ATLAS LIFE



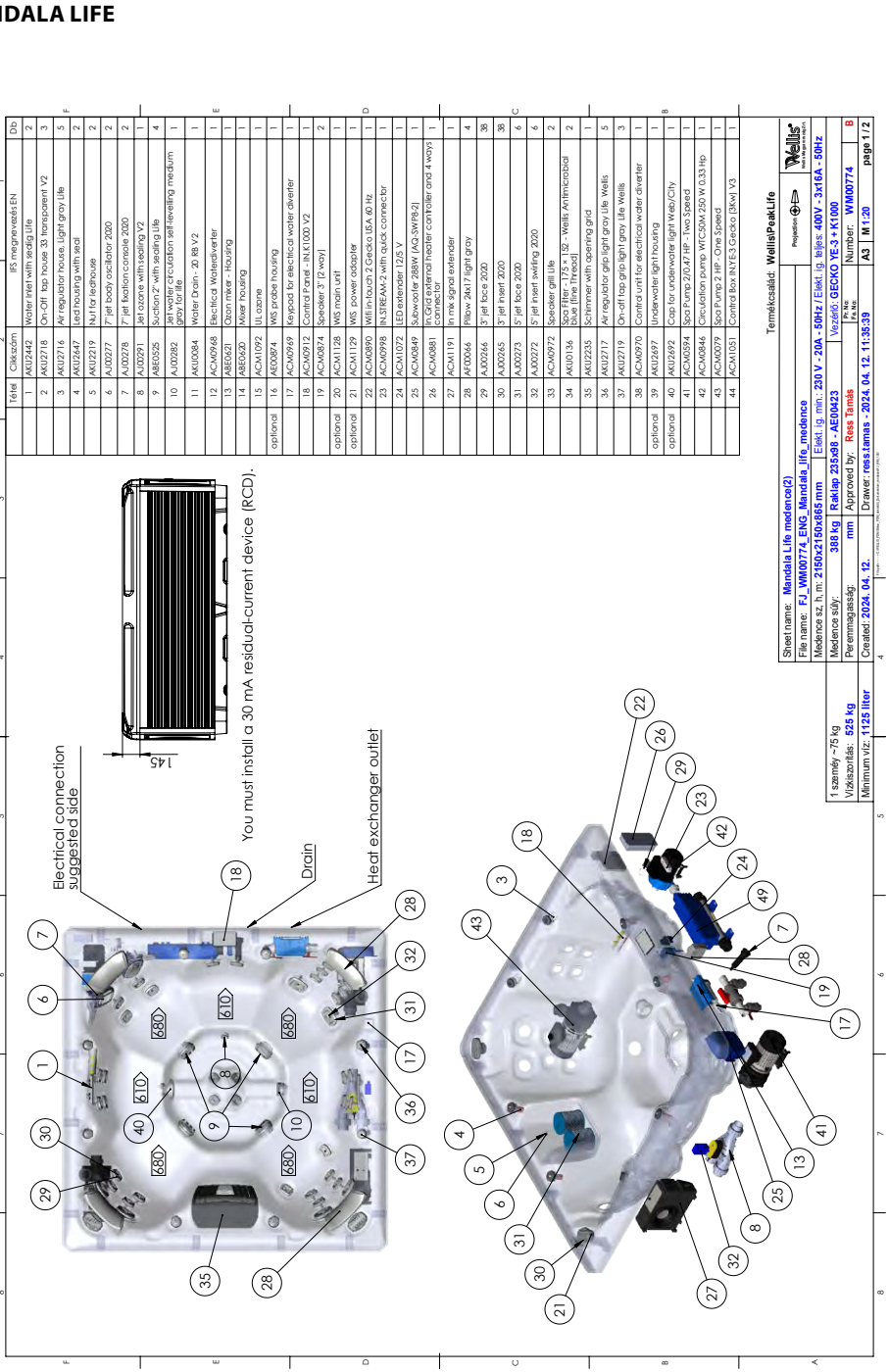
No.	Art. No.	IFS name	Pcs
1	AKU2716	Air regulator house, Light gray Life	4
2	AKU2718	On-Off, top house 33 transparent V2	2
3	AKU2833	Waterfall 60 cm	1
4	AKU2219	Nut for ledhouse	4
5	AFK0067	Pillow fixing brus Life	6
Optional 6	AKU2447	Led housing with seal	2
7	AKU2219	Nut for ledhouse	2
8	AJX0277	7' jet body oscillator 2020	4
9	AJX0278	7' jet fixation console 2020	4
10	AJX0281	Sealing for self adjusting suction head nut Life	4
11	AJX0280	Self adjusting nut for suction head Life	4
12	ABE0525	Suction 2" with sealing Life	4
13	AJX0291	Jet ozone with sealing V2	1
14	AJX0292	Ozone nut self-aligning V2	1
15	AJX0246	Washer self-aligning	1
16	AJX0294	Circulation jet Light gray 48 mm Life	1
17	AJX0283	Circulation jet nut self-aligning 48 Life	1
18	AJX0284	Circulation jet washer self-aligning 48 Life	1
19	AKU2697	Underwater light housing	1
20	AKU2692	Cap for underwater light Web/City	1
21	AKU0064	Water Drain - 20 R8 V2	1
22	AJX0271	5' jet insert spinning 2020	2
23	ACM0846	Circulation pump WTC50M 250 W 0.33 Hp	1
24	ACM0079	Spa Pump 2 HP - One Speed	1
25	ACM0594	Spa Pump 2/0.47 HP - Two Speed	1
Optional 26	AEO0874	WS probe housing	1
27	ACM0968	Electrical Waterdiverter	1
28	ABE0621	Ozon mixer - Housing	1
29	ABE0620	Mixer housing	1
30	ACM0999	Ozone - Generator PS4 100 mA	1
31	ACM1051	Control Box IN.YE-3 Gecko (3kw) V3	1
32	ACM0972	Speaker grill Life	2
33	ACM0874	Speaker 3" (2 way)	2
34	ACM0849	Subwoofer 288W	1
35	ACM0998	IN.STREAM-2 with quick connector	1
36	ACM1072	LED extender 12/5 V	1
37	ACM1191	In mix signal extender	1
Optional 38	ACM1129	WS power adapter	1
Optional 39	ACM1128	WS main unit	1
40	ACM0969	Keypad for electrical water diverter	1
41	ACM0912	Control Panel - IN.K1000 V2	1
42	ACM0970	Control unit for electrical water diverter	1
43	ACM0881	In.Grid external heater controller and 4 ways connector	1
44	ACM0901	Wifi receiver in.touch 2 Gecko EU&UK	1
45	AJX0273	5' jet face 2020	10
46	AJX0272	5' jet insert swiling 2020	8
47	AJX0266	3' jet face 2020	29
48	AJX0265	3' jet insert 2020	29
49	AFK0066	Pillow 24x17 light gray	3
50	AKU2235	Schimmer with opening grid	1
51	AKU0136	Spa Filter - 175 x 152 - Wellis Antimicrobial blue (fine filtered)	2
52	AKU2717	Air regulator grip light gray Life Wellis	4
53	AKU2719	On-off tap grip light gray Life Wellis	2

MAKALU LIFE

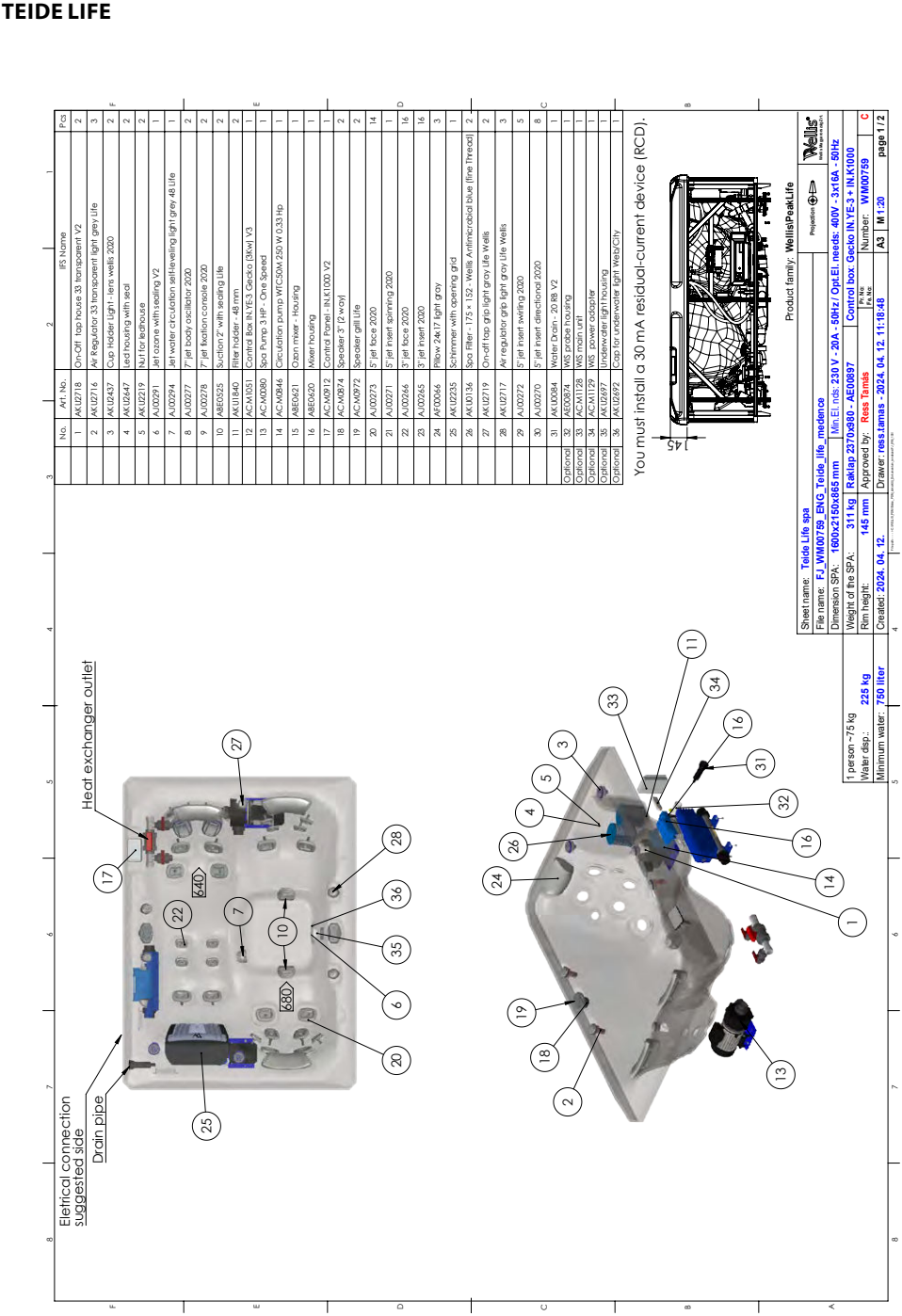


No.	Art. No.	IFS Name	Pcs
1	AKU2647	Led housing with seal	2
2	AKU2219	Nut for wethouse	2
3	AKU2683	Waterfall 40 cm	1
4	AE0525	Suction 2" with sealing Life	4
5	AKU1840	Filter holder - 48 mm	2
6	AJ00291	Jet ozone with sealing V2	1
7	AJ00282	Jet water circulation self-levelling medium gray for life	1
8	AJ00277	7" jet body oscillator 2020	4
9	AJ00278	7" jet fixation console 2020	4
Optional 10	AKU2697	Underwater light housing	1
Optional 11	AKU2692	Cap for underwater light Web/City	1
12	AKU0384	Water Drain - 20 FB V2	1
13	ACM1051	Control Box IN YE-3 Gecko (3kw) V3	1
14	ACM0846	Circulation pump WTC50M 250 W 0.33 Hp	1
15	ACM0969	Keypad for electrical water diverter	1
16	ACM0912	Control Panel - IN K1000 V2	1
17	ACM0874	Speaker 3" (2 way)	2
18	ACM0972	Speaker grill Life	2
19	AKU2717	Air regulator grip light gray Life Wellis	3
20	AKU2719	On-off tap grip light gray Life Wellis	2
21	AJ00286	3" jet face 2020	34
22	AJ00285	3" jet insert 2020	34
23	AJ00273	5" jet face 2020	13
24	AJ00271	5" jet insert spinning 2020	13
25	AF00066	Pillow 24x17 light gray	3
26	AKU2235	Schimmer with opening grid	1
27	AKU0136	Spa Filter - 175 x 152 - Wellis Antimicrobial blue (fine thread)	2
28	AKU2718	On-Off tap house 33 transparent V2	2
29	AKU2716	Air regulator house, Light gray Life	3
Optional 30	ACM0968	Electrical Waterdiverter	1
Optional 31	AE0874	WIS probe housing	1
Optional 32	ACM1128	WIS main unit	1
Optional 33	ACM1129	WIS power adapter	1
34	ACM1072	LED extender 12/5 V	1
35	ACM0998	IN SREAM-2 with quick connector	1
36	ACM0849	Subwoofer 288W	1
37	ACM0901	Wifi receiver in touch 2 Gecko EU&UK	1
38	ACM0970	Control unit for electrical water diverter	1
39	ACM1191	In mix signal extender	1
40	ACM1092	UL ozone	1
41	ACM0894	Spa Pump 2/0.47 HP - Two Speed	1
42	ACM0879	Spa Pump 2 HP - One Speed	1

MANDALA LIFE



TEIDE LIFE



	No.	Art. No.	IFS Name	Pcs
	1	AKU2718	On-Off Top house 33 transparent V2	2
	2	AKU2716	Air Regulator 33 transparent light grey Life	3
	3	AKU2437	Cup Holder Light - lens wellis 2020	2
	4	AKU2447	Led housing with seal	2
	5	AKU2219	Nut for skimpuse	2
	6	AJU0291	Jet ozone with sealing V2	1
	7	AJU0294	Jet water circulation self-leveling light grey 48 Life	1
	8	AJU0277	7" jet body oscillator 2020	2
	9	AJU0278	7" jet fixation console 2020	2
	10	ABE0525	Suction 2" with sealing Life	2
	11	AKU1840	Filter holder - 48 mm	2
	12	ACM1051	Control Box IN.YE-3 Gecko (3kw) V3	1
	13	ACM0080	Spa Pump 3 HP - One Speed	1
	14	ACM0846	Circulation pump WTC50M 250 W 0.33 Hp	1
	15	ABE0621	Ozon mixer - Housing	1
	16	ABE0620	Mixer housing	1
	17	ACM0912	Control Panel - IN.K1000 V2	1
	18	ACM0814	Speaker 3" [2-way]	2
	19	ACM0972	Speaker grill Life	2
	20	AJU0273	5" jet face 2020	14
	21	AJU0271	5" jet insert spinning 2020	1
	22	AJU0266	3" jet face 2020	16
	23	AJU0265	3" jet insert 2020	16
	24	AFE0046	Pillow 24x17 light gray	3
	25	AKU2235	Skimmer with opening grid	1
	26	AKU0136	Spa Filter - 175 x 152 - Wellis Antimicrobial blue (fine Thread)	2
	27	AKU2719	On-off Top grip light gray Life Wellis	2
	28	AKU2717	Air regulator grip light gray Life Wellis	3
	29	AJU0272	5" jet insert swirling 2020	5
	30	AJU0270	5" jet insert directional 2020	8
	31	AKU0084	Water Drain - 20 RB V2	1
Optional	32	AE00874	WS probe housing	1
Optional	33	ACM1128	WS main unit	1
Optional	34	ACM1129	WS power adapter	1
Optional	35	AKU2287	Underwater light housing	1
Optional	36	AKU2072	Cap for underwater light Welly/City	1

INITIAL INSTALLATION

Electrical preparations:

A clearly labeled emergency switch shall be provided as part of the installation. The switch shall be readily accessible to the occupants and shall be installed at least 5 feet (1.52 m) away, adjacent to, and within sight of, the unit.

Before installation the hot tub, the ellectrical system has to be prepared, as detailed in the below table.

Item number	Spa name	Requirements	Heater (w)	Water quantity (litre)	Dry weight (kg)	Filled weight (kg)	Dead weight (kg/m²)	Dimensions		High	Filter (sqf)
WM00754	Everest Life	Min:25A Opt:..35A/230V/50Hz	3000	1382	452	1834	330	2360 mm	2360 mm	950 mm	3x30
WM00758	Elbrus Life	Min:25A Opt:..25A/230V/50Hz	3000	1500	452	1952		2360 mm	2360 mm	950 mm	3x30
WM00755	Kilimanjaro Life	Min:25A Opt:..35A/230V/50Hz	3000	1450	454	1904	342	2360 mm	2360 mm	950 mm	3x30
WM00756	Atlas Life	Min:16A Opt:.. 25A/230V/50Hz	3000	1100	391	1491	323	2150 mm	2150 mm	865 mm	2x30
WM00757	Makalu Life	Min:16A Opt:.. 25A/230V/50Hz	3000	1070	393	1463	317	2150 mm	2150 mm	865 mm	2x30
WM00774	Mandala Life	Min:20A Opt:..20A/230V/50Hz	3000	1125	388	1513		2150 mm	2150 mm	865 mm	2x30
WM00759	Teide Life	min:16A Opt:25A/230V/50Hz	3000	750	311	1061	309	1600 mm	2150 mm	865 mm	2x30

SITE PREPARATION

When choosing a site for the hot tub take into account that its maintenance and repair works must be carried out behind the sidewalls, so accessibility and hot tubce to walk around the hot tub must be ensured.

1. INDOOR/BASEMENT INSTALLATION

If you place your hot tub indoors, be aware of some special requirements:

Water may accumulate around the hot tub, so the flooring material must have a proper runoff to avoid accumulation of water. When building a new room for the hot tub, constructing a floor drain is required, or damages may occur due to overflow, overfilling, or technical failure. Our company does not take responsibility for any damage in absence of floor drainage.Humidity will naturally increase in the room where the hot tub is located and the evaporated water condenses. For this reason ensure that the area has proper ventilation. We recommend installing a dehumidifier in the room.

2. OUTROOR AND PATIO INSTALLATION

A solid horizontal foundation is necessary for installation of the hot tub. We advise using a reinforced concrete foundation at least 10-15cm thick.
Do not shim the spa, it may casuse not repairable damages. The base to be even and horizontal.

Ensure that your deck or foundation will support your hot tub. You must know the maximal load capacity of the foundation. Consult a qualified building contractor or structural engineer.

To find out the weight of your hot tub, its contents and occupants please refer to the hot tub specification chart. This weight must not exceed the structure's rated capacity per square meter, otherwise serious structural damages could result. If you install the hot tub outdoors, we recommend a reinforced horizontal concrete pad at least 10-15cm thick.

Install floor drains around your hot tub to lead water away even in heavy rain.

When constructing the water drain it is advised to form a 10-15cm deep sloping ditch around the hot tub which directs water to the drain. Water from the drain must be directed to the canal or a drainage with enough capacity.

Warning: Do not expose the hot tub to direct sunlight (not even empty) without proper coverage. The insulated hot tub cover preserves the water temperature and provides protection from sunlight and rain. When exposed to sunshine for a longer period it may damage the surface of the hot tub and the hot tub equipment.

Acrylic rapidly absorbs heat from sun rays, thus reaches a very high surface temperature which may damage the hot tub.

In case of sealed design, if the hot tub was placed between glass structures, prevent the sun rays from reaching the hot tub directly through the glass as the temperature may get too high.

3. IN-GROUND / SUNKEN HOT TUB

In case of sinking the hot tub into the ground you must make sufficient space for walking around the hot tub. For completion of maintenance works a minimum of 60cm wide inspection pit must be built around the hot tub.

The inspection pit's bottom must be under the bearing pont of the hot tub so that water can flow into the pit in case of water leakage. A floor drain or sump pump should be used at the bottom of the pit to ensure continual water drainage.

In case of sinking the hot tub only the portion below the hot tub's acrylic edge can be sunk. The air of the inspection pit steams up. To prevent unpleasant odors proper ventilation must be provided (e.g. installing ventilators). The costs of pulling the hot tub out of the ground are borne by the user. If the aforementioned conditions are not present, setting up the hot tub may fail.

First filling of the hot tub

Proper filling of the hot tub is an important task both technically and chemically. We advise installation and periodic maintenance by the servicing professionals, which includes inspection and refilling of hot tub water. Hot tubs do not contain water softener and hard water damages the equipment. Improper filling of the hot tub may bring air into the system, which damages the heating wire and engines. Repairs after such failures are not covered by warranty.

Filling process

Remove the hot tub cover. First remove the cover staves, then remove the side covers by unscrewing the bottom screws. During transportation the flare fittings of engines may dislocate. Check these connections before installation. If necessary, tighten the flare fittings.

Before filling the hot tub check that the Slice valves are not in a closed state (lever is pulled out and fixed with the safety lock).

Next fill the hot tub with water to the sign indicated on its sidewall.

Filling must be done through the filter housing. Improper filling can damage the engines and heating element.

Insert the filter or filter cartridges when proper water level is reached. Be cautious, because when replacing the filter cartridge air bubbles may remain in the cartridge. To avoid this the filter cartridges must be tilted in the water to remove air from them, and only then fitted to their place.

IONIC EXCHANGE WATER SOFTENER AND CARBON FILTER

For the optimal quality the following steps shall be followed during the usage:

1.

Please check the required water volume in the manual of the spa or contact our customer service for help. The exact volume is needed for the precise filling.

2.

Please remove the covering caps from both ends to connect the filling hose.

3.

Please connect the carbon filter to the water hose via the screw thread gadget (included with the filter).

4.

Please run water through the filter into a separate vessel until it becomes perfectly clear. This step allows the filter to rinse from the remaining carbon powder. The rinse cycle lasts for 30 seconds at most with approx 10 litres of water.

0'-30'

>30'

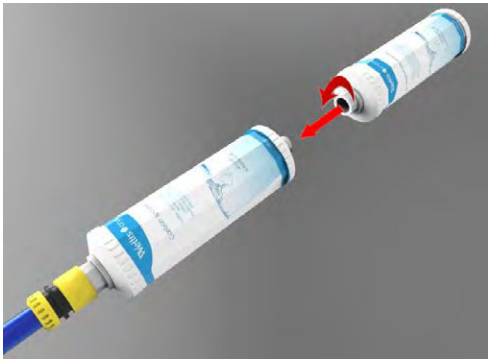
5.

Through the clean filter fill up the spa with one third (1/3) of the total volume (e.g.: with 1000 litres of total volume 1/3 is 300 litres). It is important to follow the instructions of the filling for it is crutial to set the precise water hardness.

Insert the filter or filter cartridges when proper water level is reached. Be cautious, because when replacing the filter cartridge air bubbles may remain in the cartridge. To avoid this the filter cartridges must be tilted in the water to remove air from them, and only then fitted to their place.

6.

After the filling please remove the caps from the water softener cartridge too and connect it with the carbon filter. With water softener the rinsing is significantly faster, so only this first 1 liter needs to be drained separately!



7.

Please check the water hardness during the filling with the softener. There are multiple choice of using a hardness tester. Testers sold by Wellis are showing the hardness level on a colour scale.

If the value shown is less than the optimal value the water will create foam during the usage, if the value is more that will cause limescaling.

8.

If the water hardness is extremely low during the filling please remove the softener cartridge and continue the filling with only the carbon filter as it shown at point 5.

FILTER CARTRIDGE REMOVAL AND CLEANING

Cleaning mechanical contaminations via continuous water circulation and chemical mixture is a basic requirement for proper cleaning of the spa water. Every spa has an engine designed for this purpose. The circulation engine circulates the water through the filter(s). The filter protects against contamination floating in the water.

Cleaning of the filter cartridges is recommended weekly.

Soaking the filter cartridges in water mixed with chlorine or antialgae agents for 24 hours is recommended monthly.

Changing the filter cartridges is necessary every 3 months.

SURFACE MAINTENANCE

Wipe the surface with a wet cloth. Always use a neutral cleaning product and a soft wiping cloth. Never scratch the acrylic surface with an abrasive tool, blade, or knife, because it may cause damage. Never use nail polish remover, acetone, or paint stripper when cleaning the surface because it may cause damage.

Maintenace manual for the control panel of the spa:

- Do not damage the control panel with anything hard. If possible,
- Avoid exposing the control panel to direct sunlight.
- When not using the spa, always use a spa cover.

WINTERIZATION

Remember to correctly maintain the spa if you are not using it in the winter. If you are not using your spa during the winter months and want to put it out of service properly, call one of our qualified professionals to winterize your spa at a prearranged date and time.

The winterization encompasses the following:

- Drainage of used water
- Cleaning of the inner surface of the spa
- Dewatering of pipe and jet system
- Dewatering and disconnecting the engine's interface
- Delivery - reception

If the spa is not winterized properly, the system can retain water that can easily freeze during the winter months. This can cause heavy irreparable damage to the pipes and the engine. This will void the warranty.

Maintenance of the out-of-service spa:

When you are not using the spa, use the thermo cover and fasten it with the buckles.Do not forget! If the spa is filled with water and you are not using it, lift the cover at least once a week to ensure proper ventilation. The thermo cover is multipurpose. Most importantly it decreases the heating time of the water to operational temperature and decreases the energy needed to maintain water temperature, decreasing the operational costs.

Using the cover you can avoid leaves, rain, snow, or other contamination entering the spa water, effectively sealing it off from environmental effects.

Fastening the cover with buckles prevents young children from using it without parental supervision.

CLEAN THE FILTER CARTRIDGES WEEKLY AS FOLLOWS:

WARNING!
Changing the filter cartridges is recommended every 3 months!

Operating the spa without a filter cartridge is PROHIBITED

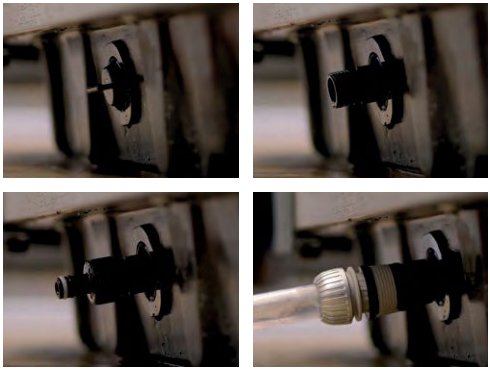
1. Remove the lid of the filter.
2. Take out the filter cartridge.
3. Clean contamination from the cartridge with water.
4. Soak the cartridge in lukewarm water mixed with chlorine or antialgae agents for 1-2 hours, then rinse it.

Never use an alkaline detergent or a high-pressure cleaner to clean the filter!

DRAINING THE WATER

You can drain the water via the drain outlet in accordance with environmental standards.

1. You´ll need a hose a wet and dry vacuum cleaner and a bottle of wellis crystal spa cleaner fluid.
2. Pour the cleaner fluid into the water one day before draining and run the open jets at maximum performance for 20 to 25 minutes. The cleaner will remove any lime scalce and dirt from the spa and its pipe work.
3. Before draining the spa remove the filters, this is a good time for cleaning or replacing them.
4. You don´t need a pump for draining the water pull out the draining valve to the limit.
5. Remove the cap and attach the hose.
6. Push back the valve halfway then rotate and secure it in this position, this will start the flow of water. We recommend rinsing the tub while it drains
7. When the tub is empty remove the hose and close the valve.
8. Use a wet and dry vacuum to clean up any remaining water from the spa and the jet nozzles.



SPA CLEANER (WV00080)

Spa Cleaner has been specially designed for cleaning your pipes and your spa pool. It dissolves calcium and remaining dirt in your lines. We advise to use Spa Cleaner every time you change the water, we recommend to do this every three months. Spa Cleaner is environmentally friendly and bio-degradable.

Instructions:

1. Add 250 ml of Spa Cleaner to your spa, 24 hours before changing the water.
2. Make sure all jets and valves are open, and switch on the pumps at full power for 15 minutes. Repeat this 3 times, with enough time in between.
3. Remove the filter before you drain your spa water.
4. Clean the filter with Wellis Crystal Filter cleaner.
5. Rinse out the spa with clean water.
6. Fill your spa and place the clean filter back.
7. Resume your normal water treatment schedule with Wellis Crystal All in one Water treatment.

ALKALINITY BALANCER (WV00091)

Increases total alkalinity and prevents fluctuating pH values. Alkalinity is important to be able to check the pH value.

Instructions:

1. Shake well before use
2. Add 1 or 2 tablespoons of Alkalinity Balancer to the spa water
3. Put your pumps on circulation for at least 30 minutes
4. Test the alkalinity value again and repeat the treatment until the alkalinity value is between 80 and 120 ppm

BRIGHT AND CLEAR (WV00090)

For neutralizing dirt, soap, oil in all spas. When added regularly, ensures crystal clear water.

Instructions:

1. Add 100ml into the spa. Pour product directly into the spa and run the filter system for 1 hour.
2. Rinse the filter unit.
3. Put the filter back and enjoy your spa!

FOAM DOWN (WV00093)

Anti-foam product for use in spas. Contains no oily substances. Designed for hot water applications.

Instructions:

1. Shake well before use.
2. Spray undiluted to the foam.
3. Repeat step two if needed.
4. Enjoy your spa!

PH MINUS (WV00096)

The pH value of the water in your spa is very important. If the pH value is good, the disinfection products can do their work in a good way. Wellis Crystal pH Minus lowers the pH in your spa.

Instructions:

1. Test the pH of your spa
2. If the PH is too high, adjust it with pH Minus.
3. Add 2 ml pH- per 1000 liter water, in order to decrease the pH value with 0.1 point.

METAL CLEAR (WV00094)

Prevents the accumulation of deposits on the metal components of the spa's nozzles. Interacts with metallic contamination before it can cause invisible deposits in your spa. Neutralizes iron, copper, and other water-bound minerals and keeps them from accumulating on the spa's surfaces and causing damage there.
Use whenever you fill your spa to quickly neutralize metals and prevent unsightly staining.

Features:

– Prevents iron, copper, and other minerals from accumulating in the spa.
– Use whenever you exchange the spa's water to quickly neutralize metals and prevent deposits.
– Only use when the entire spa water is being exchanges - the product is of high concentration.

Instructions:

– Interval: whenever the spa is being (re-)filled.
– Evenly spread 250 ml of Metal Clear in the spa.
– Run the filter system for 30 minutes.

FILTER CLEANER (WV00079)

If you clean the filter once a week, is it easier to keep the water crystal clear.

Instructions:

1. Take the filter out of your spas filter housing.

2. Fill a bucket with 10 liter hot water, put 2 scoops of Filter cleaner in and leave the filter in this solution for 1-1.5 hours (turn the filters during this process).

3. Rinse the filter, and put it back in its place.

WELLIS CRYSTAL ALL-IN-ONE (WV00081)

Instructions:

– Shake the Wellis Crystal bottle well.

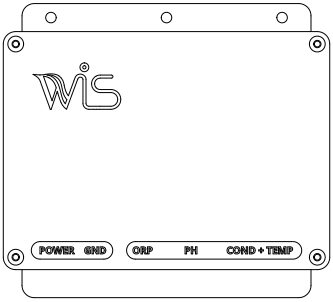
– Add the correct amount to your spa using the table below.

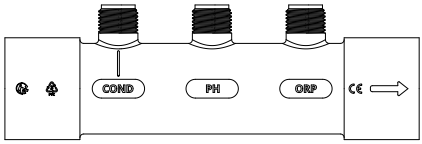
– Let the pump run at full power for 2 minutes.

– Add your disinfectant, for example 1 90/20 chlorine tablet.

– Repeat these steps weekly.

IN LINE QUICKSTART GUIDE

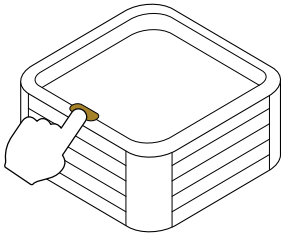




1.

Power off the spa

For your safety, it is best to turn off the main power supply

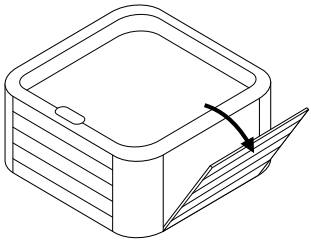


OFF

2.

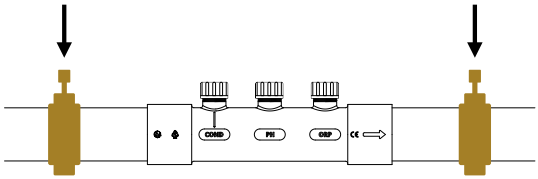
Open the side panel of your spa to access the unit control box

Installation must be done by a professional



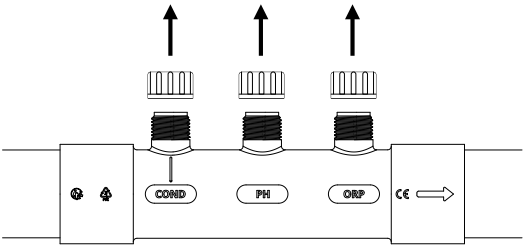
3.

Close the slice valves



4.

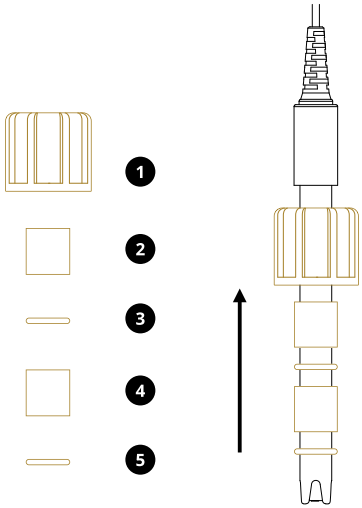
Remove the manifold caps



5.

Install the compression fittings

Store the sensor boxes and end caps



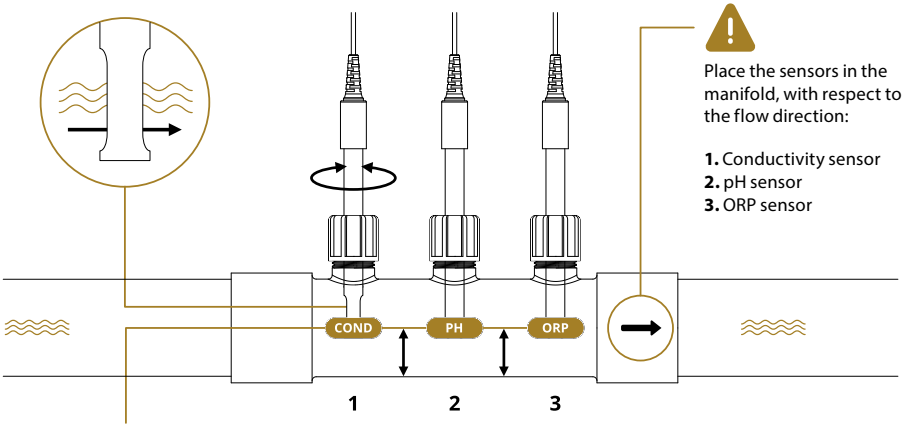
6.

Turn conductivity sensor: water flow passing through the hole

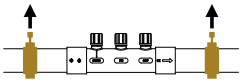
Screw the sensors on the manifold

Place the sensors in the manifold, with respect to the flow direction:

1. Conductivity sensor
2. pH sensor
3. ORP sensor



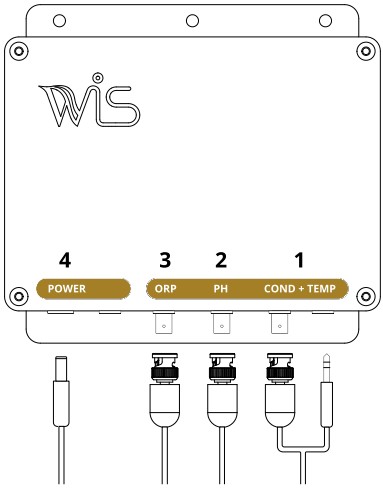
Place the end of the sensors in the middle of the manifold



Open the slice valves

7.

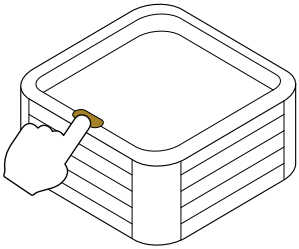
Connect the sensors to the control box

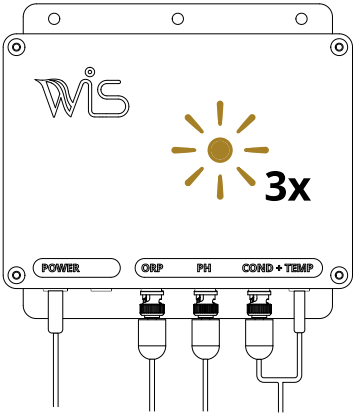


8.

Restore the power supply to the Spa to turn on WIS IN LINE

ON





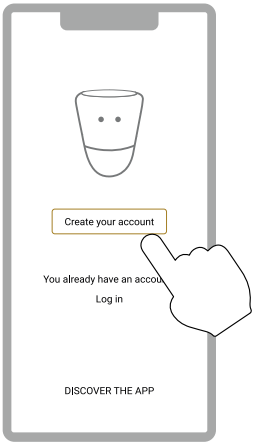
9.

Download the application (free App)

WIS - CONNECTION TO YOUR SPA

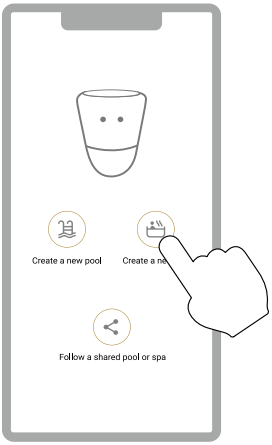
Download the application on the user's phone

10.



Create your account

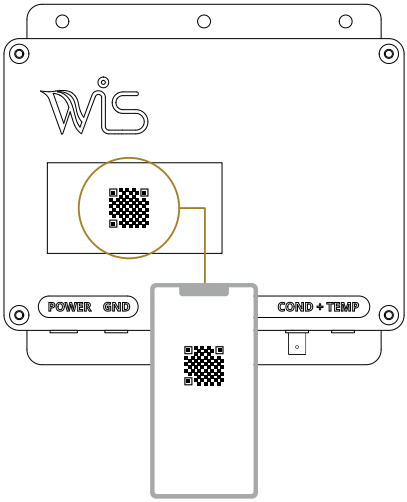
11.



Create a new spa

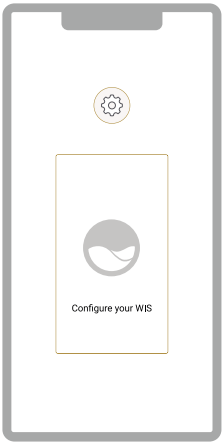
12.

Scan QR code and follow the instructions



13.

Follow the WiFi connection steps in the app



Configure your WIS

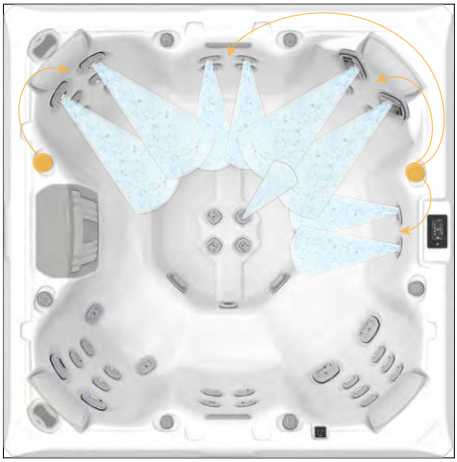
EVEREST LIFE

KILIMANJARO LIFE

ELBRUS LIFE

ATLAS LIFE

MANDALA LIFE



MAKALU LIFE

TEIDE LIFE

SMART TOUCH

TOUCH SCREEN KEYPAD

No buttons, keys and overlays! Mode and function selection wheels, all-on or all-off one touch activation key of last used settings, interactive display icons and on-screen messages are all elements of the Smart Touch user interface designed to let spa users interact intuitively with their spa and its value-added accessories.

NOTIFICATION ICONS

Notification icons at the top right-hand side of the screen show the status of connected value-added accessories.

in.clear system is on

in.clear system is idle

in.clear system is off

system is connected to wifi

system is not connected to wifi

Aquasoul Pro audio system is on

Aquasoul Pro audio system is off

in.mix is installed

SPAS FUNCTIONS

Quick and easy step-by-step instructions to control the main functions and to configure the system settings of your spa from its Smart Touch main spa keypad.

TURN KEYPAD ON

3 minutes after the last pump is turned off, the screen will shut off if there is no touch activity.

Touch the screen to turn on the keypad.

Then follow the instructions on the screen to access the main screen.

ALL-ON, ALL-OFF TARGET KEY

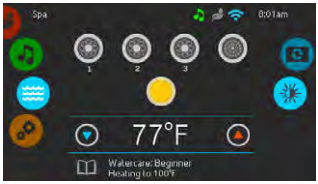
Smart Touch features an all-on or all-off one touch activation key of last used settings that, when pressed, stops or starts all working components and accessories at once.

From the home page you can access the following modes:

- sanitization (with in.clear connected)
- audio (with Aquasoul Pro connected)
- color (with in.mix installed)
- spa
- settings

To select a mode, slide the left wheel up or down until the desired icon menu is highlighted in the middle.

SPA MODE



SPA MODE

To select the spa mode, slide the left wheel up or down until the spa icon is highlighted in the middle. The home page will be displayed its equipment start or stop keys, up and down buttons, water temperature, messages and quick access to display options:

- display orientation
- display contrast

To select an option, slide the right wheel up or down until the desired icon menu is highlighted in the middle.

START OR STOP ACCESSORIES

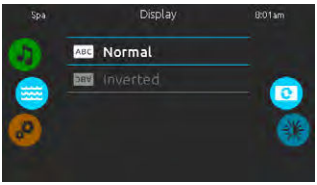
To start or stop an accessory (pump, blower, light), touch the associated icon. Icons will become animated when their accessory is turned on, and animation will stop when turned off.

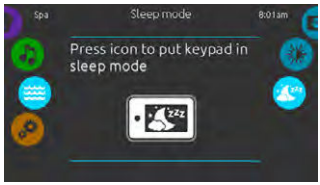
Icons on the screen will reflect the speed or state of the devices running on your spa. When an accessory has more than one speeds press the button until it reaches the desired speed.

WATER TEMPERATURE

The temperature shown at the bottom of the screen shows the current water temperature. Use the Up and Down icon to set the desired temperature. The set point will appear in blue. After 3 seconds without any change to the set temperature value, the current water temperature will reappear.

When the set value is lower than the current temperature Cooling to xx.x will appear below. When the set value is higher than the current temperature, Heating to xx.x will be indicated under the value. Normally there is a short delay before the heating starts, during which Heating Suspended is indicated under the value.





DISPLAY ORIENTATION

To modify the display orientation settings, slide the right wheel until the display orientation icon is highlighted in the middle. Simply touch the line of the orientation you want to select.

DISPLAY CONTRAST

To modify the display contrast settings, slide the right wheel until the display contrast icon is highlighted in the middle. Simply touch the line of the contrast you want to select.

SLEEP MODE

Press key to go directly into the sleep mode. In sleep mode, water splashing on the keypad can't inadvertently start/stop a pump.

SETTINGS

You can use the Settings mode to manage settings of your spa system.

Mode selection wheel: settings icon

List of featured items

Direct to function selection wheel:
– water care
– maintenance
– date & time
– keypad
– electrical config
– wifi
– about

To select the settings mode, slide the left wheel up or down until the settings icon menu is highlighted in the middle.

In the Settings page you can access the following:

- water care
- maintenance
- date & time
- keypad
- electrical configuration
- wifi
- about

To select an item, slide the right wheel until the desired icon is highlighted in the middle or press on the menu name.

WATER CARE

The Water care page will help you set up your ideal filtration and heating settings.

Choose, set or modify one of the 5 suggested modes depending on your needs at any given time.

AWAY FROM HOME

In this mode the spa will always be in economy; the set point will be reduced by 20° F.

BEGINNER

The spa will never be in economy mode and will be filtering according to the pack's low level configuration.

ENERGY SAVINGS

The spa will be in economy mode during the peak hours of the day and resume normal mode on the weekend.

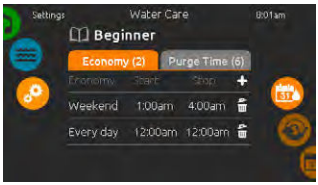
SUPER ENERGY

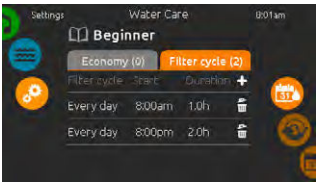
The spa will always be in economy mode during peak hours, every day of the week.

WEEKENDER

The spa will be in economy mode from Monday to Friday, and will run normally on the weekend.

MODIFYING WATER CARE SCHEDULES





WATER CARE

To modify a Water care category, touch the pen icon at the right end of the desired water care to open the selected Water Care menu.

ECONOMY

Touch the Economy tab to change the economy schedule. You can add economy schedules by touching the « + » symbol . To delete a schedule, touch the garbage can icon at the right end of the desired line.

FILTER CYCLES

Touch the Filter cycle tab to change the filter cycle schedules. You can add filtration schedules by touching the « + » symbol . To delete a schedule, touch the garbage can icon at the right end of the desired line.

MODIFYING WATER CARE SCHEDULES

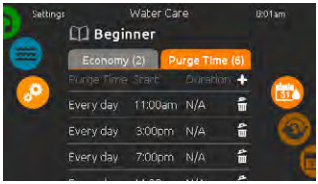
In Economy mode, the set point will be reduced by 20°F, which means that the heating system will not be engaged unless the temperature falls to 20°F below the spa's set temperature.

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 will be set to N/A on the screen, and only the start time can be modified.

You can modify the programmed schedules by selecting one and adjusting the schedule.

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

Once you have set the schedule, use the calendar icon to go back.



PURGES

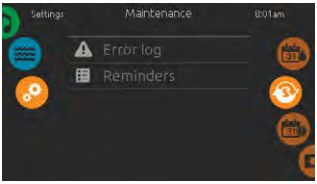
Touch the Purge tab to change the purge settings. You can add purges by touching the « + » symbol.

To delete a schedule, touch the garbage can icon at the right end of the desired line.

You can modify the programmed purges by selecting one and adjusting the schedule.

You have several possibilities for the schedule (Mon-Fri, weekend, every day, or single days). The schedules will be repeated every week. The time and duration are set in 30 minute increments. Once you have set the purge, use the calendar icon to go back.

MAINTENANCE & ERROR LOG



MAINTENANCE

To modify maintenance settings, slide the right wheel until the maintenance icon is highlighted in the middle.

From the Maintenance page you can access the following:

- Error log
- Reminders

Simply touch the line of the item you want to change.

STANDBY

The Standby mode allows you to service your spa. Pumps will stop for 30 minutes and will automatically restart after.

The normal page will return at the end, once the pumps will be restarted.

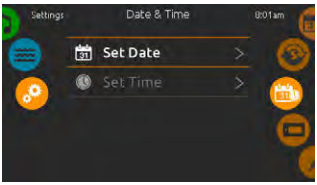
REMINDERS

Smart Touch keypad will provide reminders about maintenance required on your spa, like rinsing or cleaning the filter. Every task has its own duration, based on normal use.

The reminders menu allows you to check the time left before maintenance is required, as well as to reset the time once a task has been completed.

To reset a task, select it by pressing the curved arrow, then confirm when prompted. Once you have confirmed, the task will be reset.

DATE AND TIME



DATE AND TIME

To modify date and time settings, slide the right wheel until the date and time icon is highlighted in the middle.

Simply touch the line of the item you want to change.

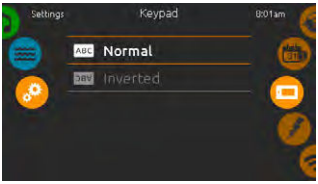
SET DATE

Here you can adjust the year, month and date. Simply swipe up and down the column you want to change, and select the desired value. When done, touch the calendar icon at the right of the screen.

SET TIME

Here you can change the hour, minute and time format. Simply swipe up and down the column you want to change, and select the desired value. When done, touch the calendar icon at the right of the screen

KEYPAD SETTING



KEYPAD SETTINGS

To modify keypad settings, slide the right wheel until the keypad icon is highlighted in the middle.

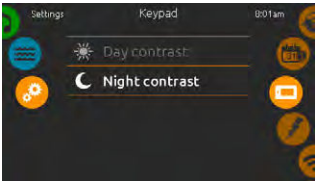
Simply touch the line of the item you want to change.

TEMPERATURE UNITS

Use this page to set or change the temperature in F° or C° units.

DISPLAY ORIENTATION

Use this page to set or change the normal or inverted display orientation.



DISPLAY CONTRAST

Use this page to set or change the display day or night contrast.

DISPLAY LANGUAGE

Use this page to set or change the display language.

KEYPAD LOCK/UNLOCK

When this option is enabled, the user can partially or completely lock the keypad. When the user wants to lock the keypad he is asked to select a 4-digit code. The same code will be needed to unlock the keypad. Next time he wants to lock the keypad, he will be prompted again to select a 4-digit code (same functionality as a Safe in a hotel room).

The keypad can be unlocked with a universal unlock code (3732) or by a reset of the keypad.

When Full Lock is selected, all functions are locked.

In Partial Lock, you may only activate accessories. Settings may not be changed in this mode.

WIFI

(This function is available only if an in.touch module is connected to your system.)

WIFI SETTINGS

To modify wifi network settings, slide the right wheel until the wifi icon is highlighted in the middle.

WIFI NETWORKS

After a few seconds the available networks will appear on the screen, as well as their signal strength.

Selected network will be identified by a green check mark.

Swipe Up or Down the list to select your network.

WIFI NETWORK PASSWORD

If the wifi network is password protected, enter it when keyboard prompts. Use Enter key to validate the password.

If no password is required the in.touch will connect automatically.

WIFI

IN.TOUCH MODULE NOT CONNECTED

If the in.touch module of your spa system is not connected, this message will be displayed.

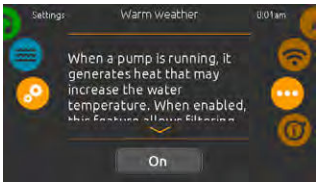
WI-FI (in.touch 2)

When a in.touch 2 is detected, this network will appear.

MISCELLANEOUS

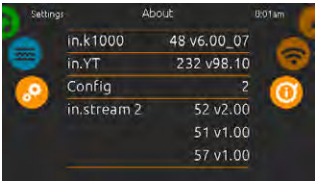
This menu gives access to modify the Warm Weather option and info messages in the media center.

WARM WEATHER



When pumps are running, they produce heat that may increase your water temperature. "Warm Weather" option gives you the option to bypass the pack filtration over temperature feature. When Warm Weather is "OFF" the filtration over-temperature is disabled and your spa filtering will continue even if the water temperature is high.

ABOUT YOUR SPA SYSTEM

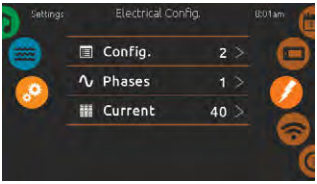


ABOUT

To get info about your spa system, slide the right wheel until the about icon is highlighted in the middle.

Information about Smart Touch software number and the revision numbers of the different components of your system will be displayed.

ELECTRICAL CONFIGURATION



Please do not make changes in this section unless you are a qualified electrician.

A password will be required. Please contact a representative in order to obtain that password.

To change the low-level configuration, the number of phases and the input current of your spa system, slide the right wheel until the electrical configuration icon is highlighted in the middle.

AUDIO MODE

(only available if the system detects a connected Aquasoul Pro audio station)

Mode selection wheel: audio mode

Direct to function selection wheel:
– on/off
– speakers
– source
– bluetooth

Mute / last track / play/pause / next track

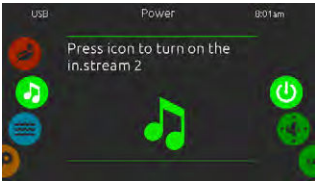
To select the audio mode, slide the left wheel up or down until the audio icon menu is highlighted in the middle.

In the Audio page you can access the following:

- Aquasoul Pro on/off
- speaker calibration
- audio source selector
- bluetooth pairing

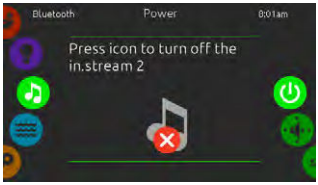
To select an item, slide the right wheel until the desired icon is highlighted in the middle.

ON/OFF



TURN AQUASOUL PRO ON

Slide the right wheel until the power on/off icon is highlighted in the middle. Press on the audio icon at the center of the screen to turn Aquasoul Pro on.



TURN AQUASOUL PRO OFF

Press on the audio icon in the center of the screen to turn Aquasoul Pro off.

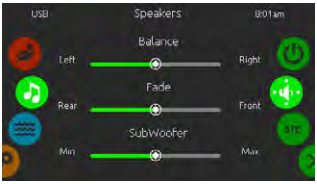
MAIN DISPLAY

Press Play / Pause to start or pause playback of audio files.

Drag the volume slider to adjust the volume or tap the mute button to mute or unmute sound.

Press the last track or next track buttons to go to the previous song or skip to the next.

SPEAKER CALIBRATION



TO CALIBRATE YOUR SPEAKERS

Slide the right wheel until the speaker calibration icon is highlighted in the middle.

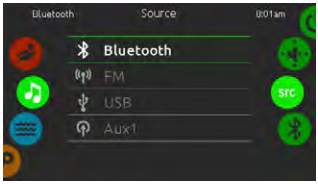
You can calibrate:

- balance
- fade
- subwoofer

Use the sliders to calibrate the speakers at the desired level.

The fade and subwoofer sliders will only appear on the screen if the corresponding speakers are installed on Aquasoul Pro.

AUDIO SOURCE SELECTOR



TO SELECT AN AUDIO SOURCE

Slide the right wheel until the source icon is highlighted in the middle.

In the menu list, the following sources are available:

- Bluetooth
- USB
- Aux. 1

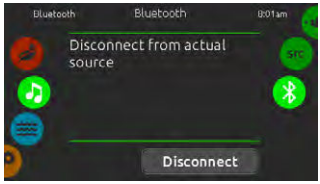
Simply select the desired one to use.

Note that only the sources installed on Aquasoul Pro will be displayed in the source menu. The USB and Aux. 1 connections are on the in.stream2 unit, they are not led out.

Please note that the Play/Pause and Change Track functions apply to devices using Bluetooth technology and USB, and will not work when AUX is selected as the source.

Please refer to the Aquasoul Pro connexions section to learn how to connect your Bluetooth device.

BLUETOOTH PAIRING



If you are using a device with Bluetooth technology, it must be connected for functions to work.

Slide the right wheel until the bluetooth icon is highlighted in the middle. Then follow the instructions displayed on the screen.

If a device with Bluetooth technology is connected to Aquasoul Pro, you can disconnect it by pressing the Disconnect button at the bottom of the screen.

Doing so will also prevent Aquasoul Pro from automatically reconnecting to this specific device until it has been reconnected using the device itself.

COLOR MODE

(only available if the in.mix is detected among the spa accessories)

By default, the in.mix selects Zone 2 when you access the menu. To select the color mode, slide the left wheel up or down until the in.mix icon menu is highlighted in the middle.

In the color page you can access the following:

- zone selection
- changing colors
- on/off
- synchronizing zones
- intensity

IN.MIX FUNCTIONS

CHANGING COLORS

Once a zone has been selected, use the color wheel to choose the desired color, or the rainbow icon to get changing colors.

The rainbow icon alternates between slow transitions, fast transitions and normal color selection.

ON/OFF

There are two ways to turn the in.mix on or off. The first one is by using the Light icon on the SPA Screen. The second way is by touching the light bulb icons located each side of the intensity bar.

INTENSITY

Located at the bottom of the screen, the slider allows you to modify the intensity of the color.

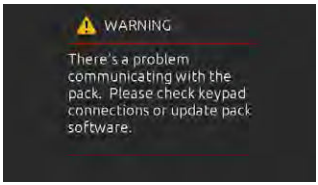
TOO MUCH WATER ON DISPLAY

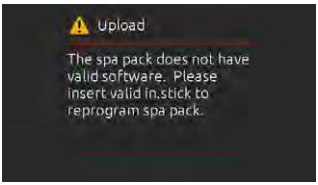
WIPE SCREEN

This message appears when too much water is detected on the touch screen. Simply wipe away excess water.

INSTALLATION ERROR MESSAGES

Upon connecting Smart Touch to your spa system you may see one of two error messages. Please follow the instructions in the message or contact your dealer for more information.





Error messages on the screen list and definitions:

http://geckokeypads.com/k1000errormessages

SMART WINTER MODE (SWM)

There is a thermometer sensor in the control unit that measures the temperature of the machinery. It monitors how cold it is outside the cover - including the insulation - and turns on the motors from time to time to direct hot water into the machinery to avoid freezing.

The SWM (Smart Winter Mode) will not turn on if the sensor measures above 21C. However, if it falls below that, it will turn on for 24 hours.

– if it measures 20-16 degrees, it will run the motors for 1 minute every 2 hours.
– if it measures 15-13 degrees, it will run the motors for 1 minute every hour.
– if it measures 12-11 degrees, it will run the motors for 1 minute every 30 minutes.
– if it measures 10 degrees (or less), it will run the motors for 1 minute every 15 minutes.

This is a safety function which cannot be turned off!

WARM WEATHER FUNCTION

During the filtration cycle, the kinetic heat generated by the circulating motors is transferred to the pool water, so the pool water temperature can possibly rise above the set temperature on the control panel. The control unit continuously monitors the water temperature during the filtration cycle and if it rises above the set temperature by more than 3 degrees celsius, it automatically shortens the duration of the filtration period so the water does not overheat.

Besides continuously measuring the water temperature, it automatically changes the duration of the filtration period, but filters for at least 4 hours if the spa is equipped with a circulating motor, or for at least 2 hours if the water is filtered by the massage motor.

This function can only be turned off on whirlpools equipped with a colour touch screen.

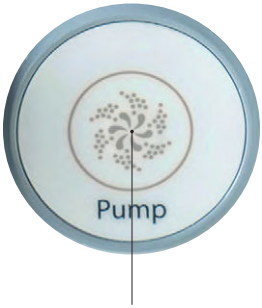
ONE SINGLE BUTTON PANEL

AUXILIARY KEYPAD FOR YOUR SPA

This one single button panel is also an auxiliary keypad designed to be installed as a second keypad on your spa.

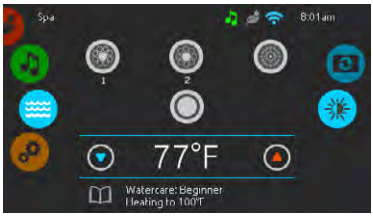
It allows you to activate the spa pump associated to its respective section.

The panel surface allows for an easy installation in any location around your spa.



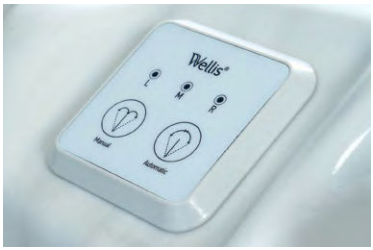
Turning on the water diverter:

If you want to use the electric water diverter, the engine equipped with the water diverter must be switched on. When you start the pump it will start the diverter as well. The pump can be started either from the main panel or from the single button keypad.



Functions

When the pump is switched on, the 3 status lights on the water diverter controller light up, which have two functions: feedback that it is working, and shows the actual direction of the diverter.
A restart resets the water diverter to its default position, which independents the last used state.



As soon as our system is in the default state, you can enjoy two functions:

You can manually switch between the 3 possible direction:
- The water pressure is applied to everyone by the massage pump (Basic position - middle position)
- jets on the side close to the keypad
- farthest from the keypad

Automatic operation:
- In this function, the water diverter switches the diverter vane between the two end states according to a specific schedule:
  - 0 sec: the diverter is in the first end position,
  - 2.5 sec: the direction changer is in the half position,
  - 5th sec: the flow switch has switched to the second end position,
  - 10th sec: the water changer remains unchanged in the second end position,
  - 12.5 sec: the direction changer is in half position,
  - 15 sec: the water direction changer is in the first end position,
  - 20 sec: the diverter remains unchanged in the first end position.

- The actual direction can be tracked on the operator, because until one or the other end position is reached, the status indicator in which direction the deflector is rotating will flash.

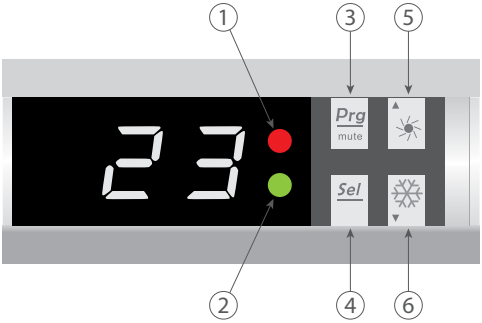
- The function operates as long as the massage pump is running or the button that started the previous manual function is not pressed.

The entire system can be switched off by stopping the engine! (Pump)

.

For further information see the original user manual of the heatpump. It shows the installation and technical details.

CONTROL PANEL



1. Heating mode indicator
2. Cooling/Defrost mode indicator
3. ON/OFF button
4. Mode button
5. Plus (+) button
6. Minus (-) button

OPERATING MODE SELECTOR

BEFORE STARTING, ENSURE THAT THE FILTRATION PUMP IS WORKING AND THAT WATER IS CIRCULATING THROUGH THE HEAT PUMP.

Prior to setting your required temperature, you must first select an operating mode for your remote control:

HEATING MODE

Select the heating mode for the heat pump to heat the water in your spa.

COOLING MODE

Select the cooling mode for the heat pump to cool the water in your spa.

HEATING MODE

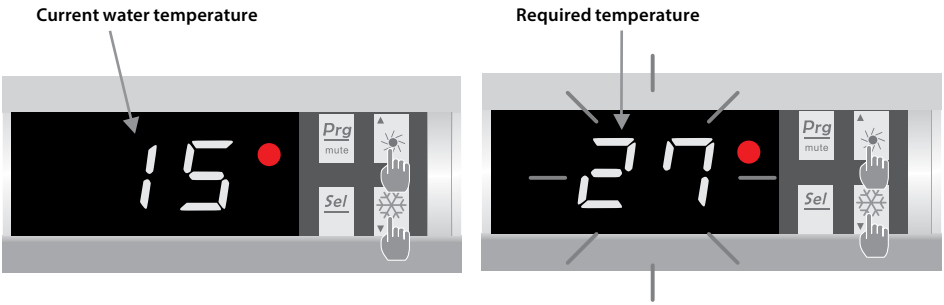
Step 1: Press Prg mute to switch on your pump.

Step 2: Press Sel to switch from one mode to another until the heating mode is displayed.

Step 3: Using buttons and select the required temperature.

EXAMPLE:

If the current temperature is 15°C, default setting temperature is 27° required temperature is 30°C.



USEFUL INFORMATION ABOUT HOW THE HEATING MODE OPERATES

When the incoming water temperature is less than or equal to the required temperature (setpoint temperature) -X°C, the heat pump will switch to heating mode. The compressor will stop when the temperature of the incoming water is greater than or equal to the required temperature (setpoint temperature).

Indicators for adjustment range X and Y

X: adjustable parameter from 1° to 10°C, default setting is 3°C. (Parameter "H")

COOLING MODE

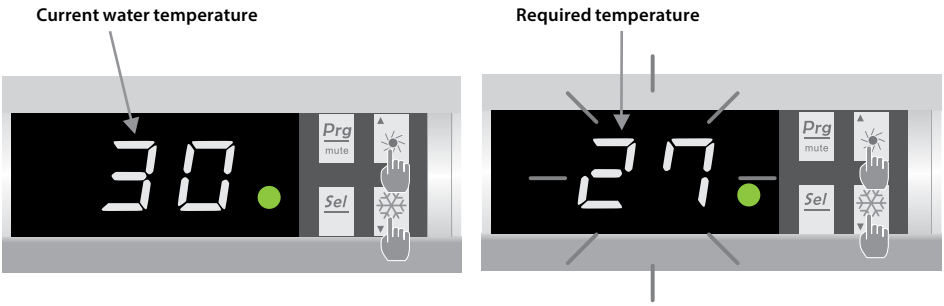
Step 1: Press Prg mute to switch on your pump.

Step 2: Press Sel to switch from one mode to another until the cooling mode is displayed.

Step 3: Using buttons and select the required temperature.

EXAMPLE:

If the current temperature is 30°C, default setting temperature is 27° required temperature is 15°C.



USEFUL INFORMATION ABOUT HOW THE COOLING MODE OPERATES

When the incoming water temperature is greater than or equal to the required temperature (setpoint temperature) + X°C, the compressor will switch to cooling mode. The compressor will stop when the temperature of the incoming water is less than or equal to the required temperature (setpoint temperature).

Indicators for adjustment range X

X: adjustable parameter from 1° to 10°C, default setting is 3°C. (Parameter "H")

STATUS VALUES AND ADVANCED SETTINGS

WARNING: This operation is used to assist servicing and future repairs.
The default settings should only be modified by an experienced professional person.

THE SYSTEM'S SETTINGS CAN BE CHECKED AND ADJUSTED VIA THE REMOTE CONTROL BY FOLLOWING THESE

Step 1: Keep pressing Sel until you enter the settings verification mode.

Step 2: Press and for see the parameters.

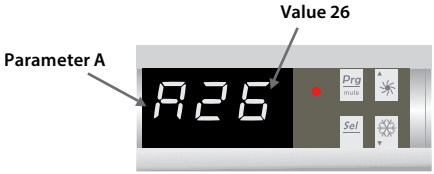
Step 3: Press Sel to select the setting to be modified.

Note, some settings cannot be modified. Consult the settings table for further information.

Step 4: Press and to adjust the setting value.

Step 5: Press Sel to set the new value.

Step 6: Press Prg mute to return to the main screen.

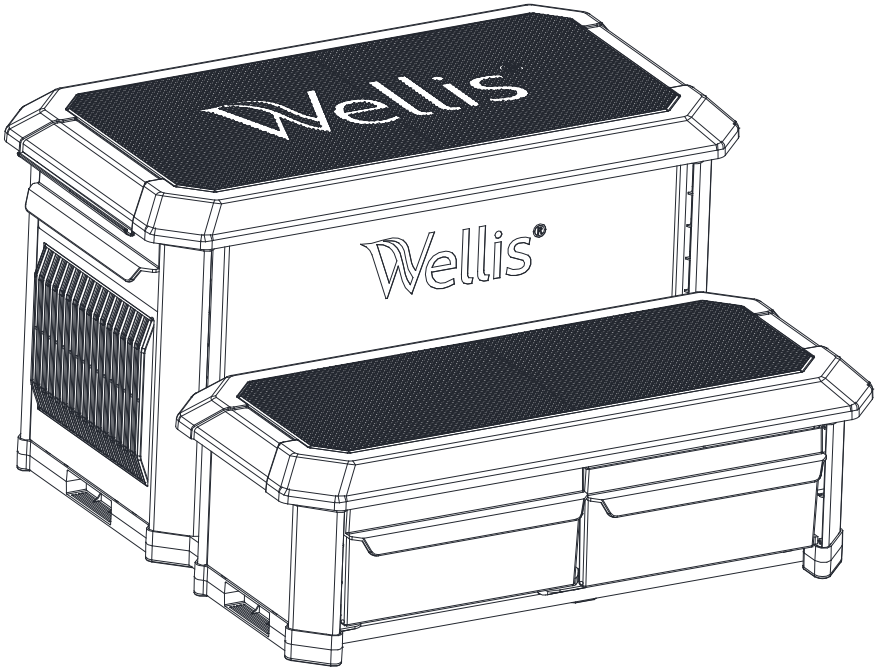


PARAMETERS TABLE

N°	Description	Range value	Default value	Comment
A	Water temperature	-19~99°C		Actual data
b	Evaporator temperature	-19~99°C		Actual data
c	Ambient air temperature	-19~99°C		Actual data
d	Setting temperature in heating mode	15~40°C	27°C	Adjustable
E	Defrosting mode activation timer	10~80 min	40 min	Adjustable
F	Defrosting mode maximum duration	5~30 min	8 min	Adjustable
G	Setting temperature in cooling mode	8~28°C	12°C	Adjustable
H	Adjustment of temperature difference for restart	1~10°C	3°C	Adjustable
J	Automatic restart	0=OFF, 1=ON	1	Adjustable
O	Antifreeze protection – low air temperature	-10~15°C	-5°C	Adjustable
P	Evaporator temperature to enter defrosting mode	-19~0°C	-3°C	Adjustable
U	Evaporator temperature to exit defrosting mode	1~30°C	20°C	Adjustable
t	Reserved - Do not modify			Reserved
L	In.grid	0=OFF, 1=ON	1	Adjustable

For further information see the original user manual of the heatpump. It shows the installation and technical details.

SMART STEP MANUAL (OPTIONAL)



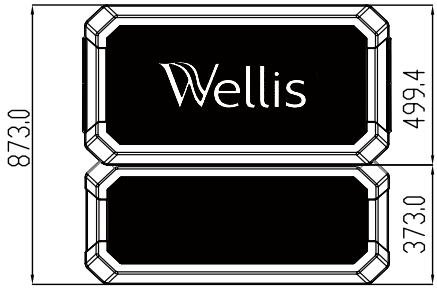
SAFE USE

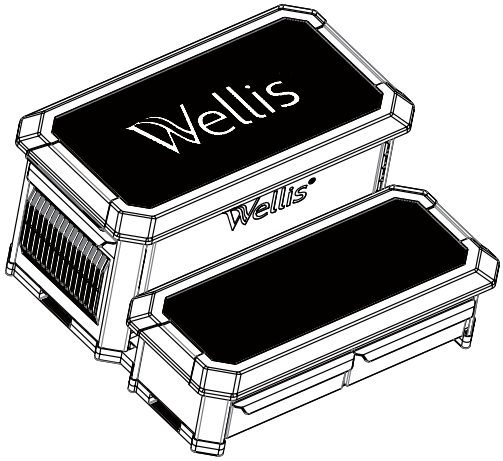
To reduce the risk of drowning, falls, paralysis, electrocution, or other serious injury or death:

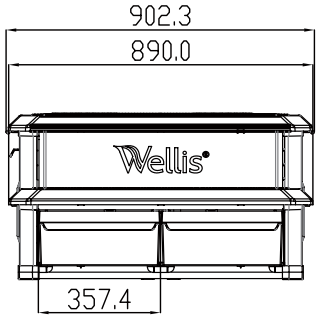
Use step properly.
Use for intended purpose only.

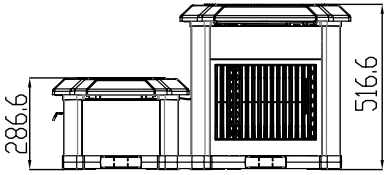
- **No diving or jumping from steps** - shallow water, risk of paralysis or death.
- ONE PERSON ON THE LADDER/STAIR AT A TIME.
- Illuminate the steps when using the spa at night.

Weight limit - 300 lbs maximum. Exceeding maximum weight may cause the step to fail.
Secure the spa when not in use. - (for example, with a locked cover or secure gate) - refer to local codes.
Watch children at all times when they are in or around water to help prevent drowning.
BE SURE AND SAFE. - The manufacturer **IS NOT** responsible for improper assembly, installation and use.

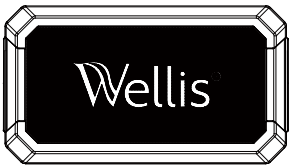








SMART STEP MANUAL (OPTIONAL)



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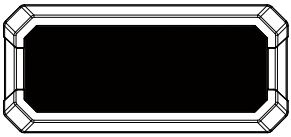

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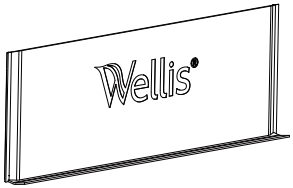

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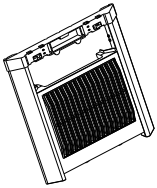

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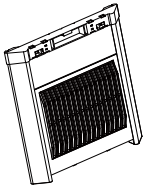

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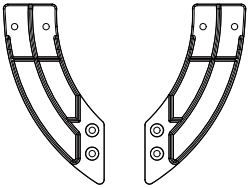

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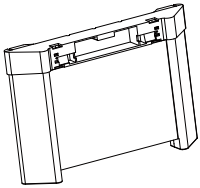

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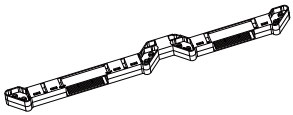

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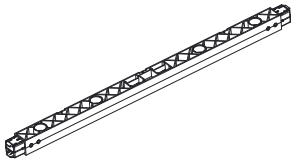

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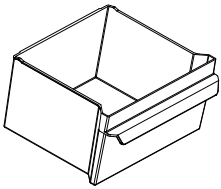

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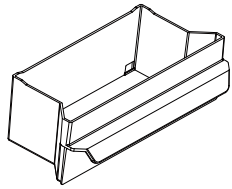

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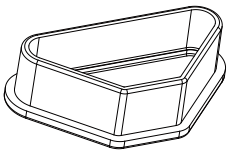

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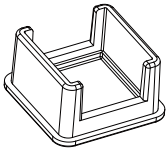
SMART STEP MANUAL (OPTIONAL)



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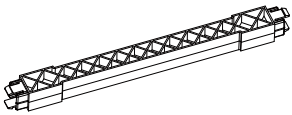

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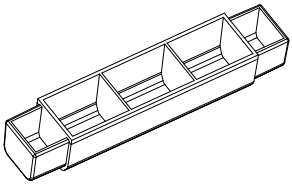

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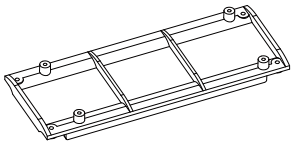

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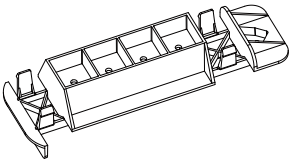

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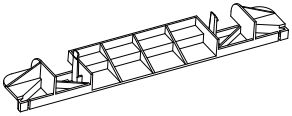

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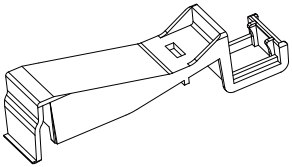

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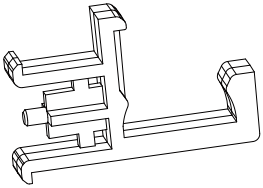
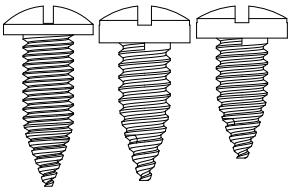


WE0135-26

8x



M4.2X14

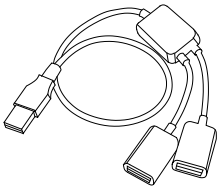
16x

M3X14

4x

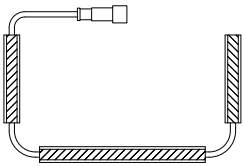
M3X10

16x



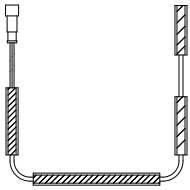
USB

1x



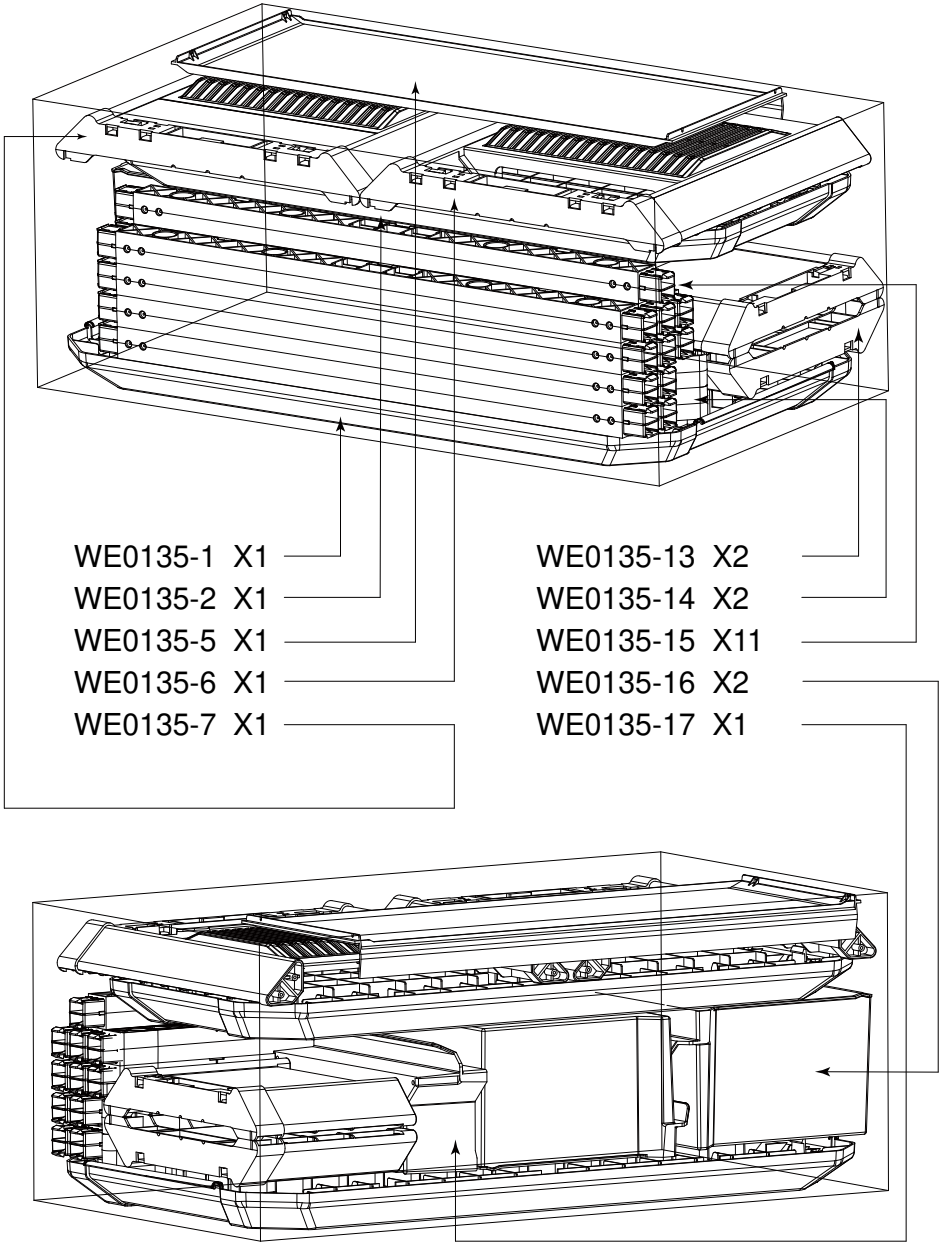
LED lights
Three paragraphs

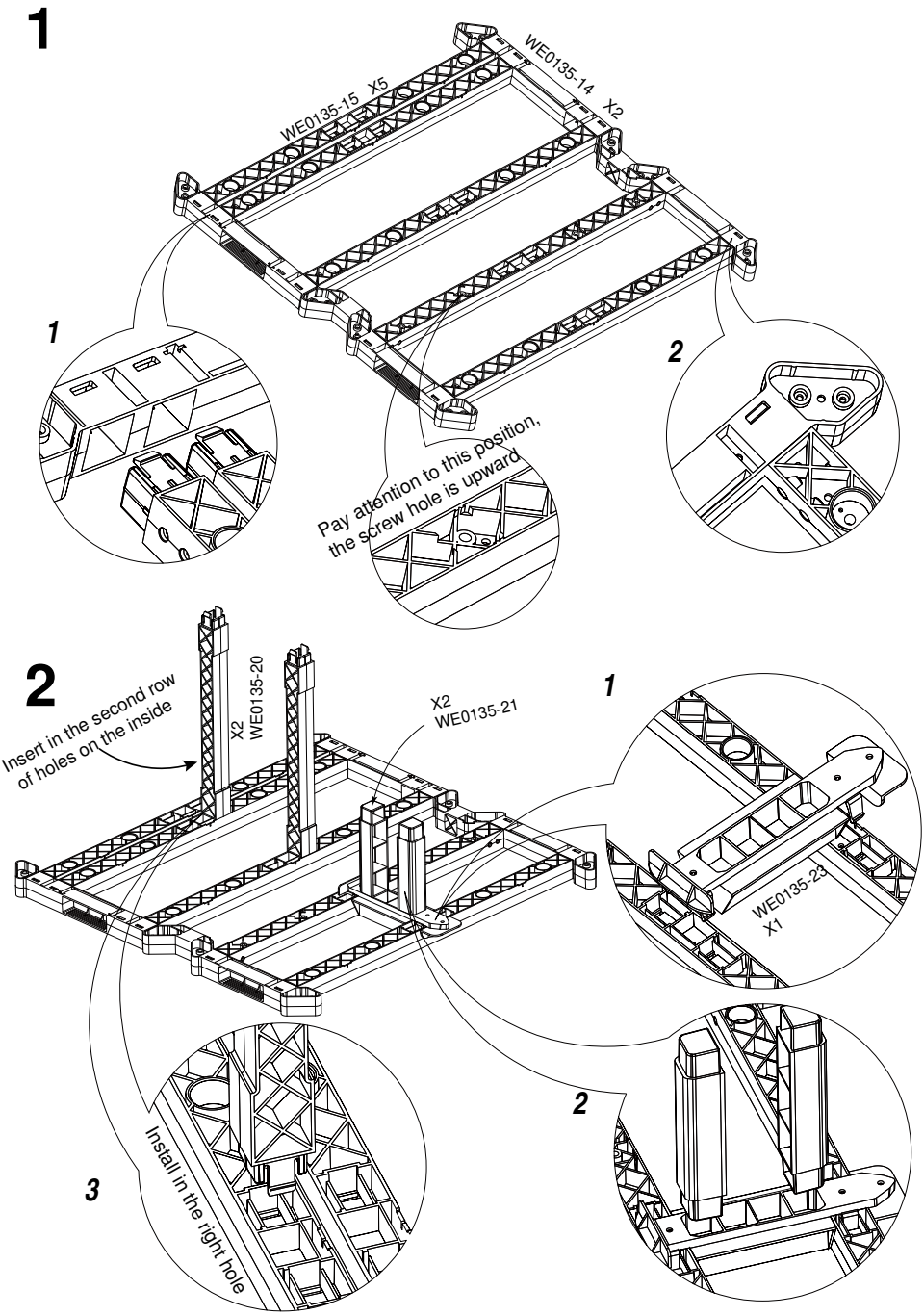
1x



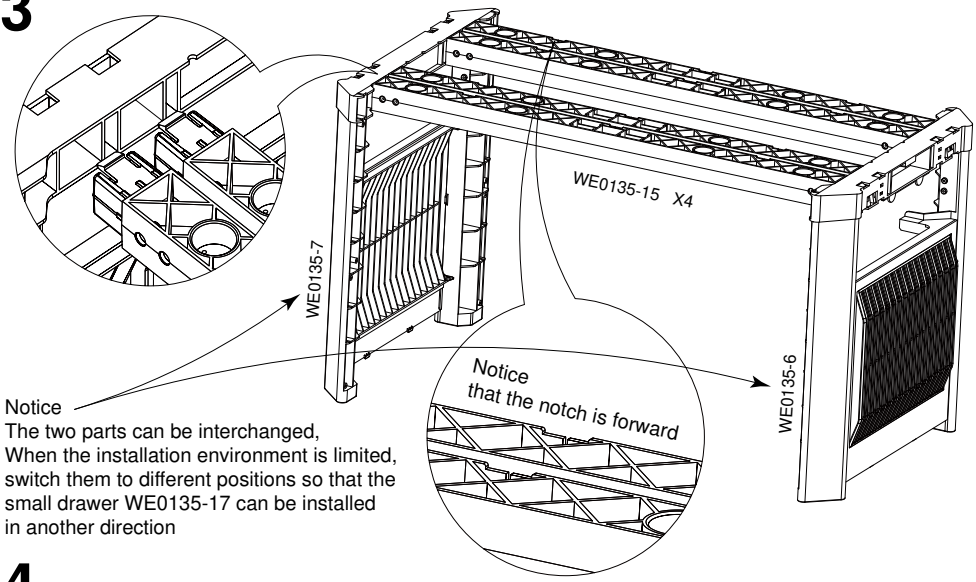
LED lights
Four paragraphs

1x


WE0135-1 X1
WE0135-2 X1
WE0135-5 X1
WE0135-6 X1
WE0135-7 X1
WE0135-13 X2
WE0135-14 X2
WE0135-15 X11
WE0135-16 X2
WE0135-17 X1

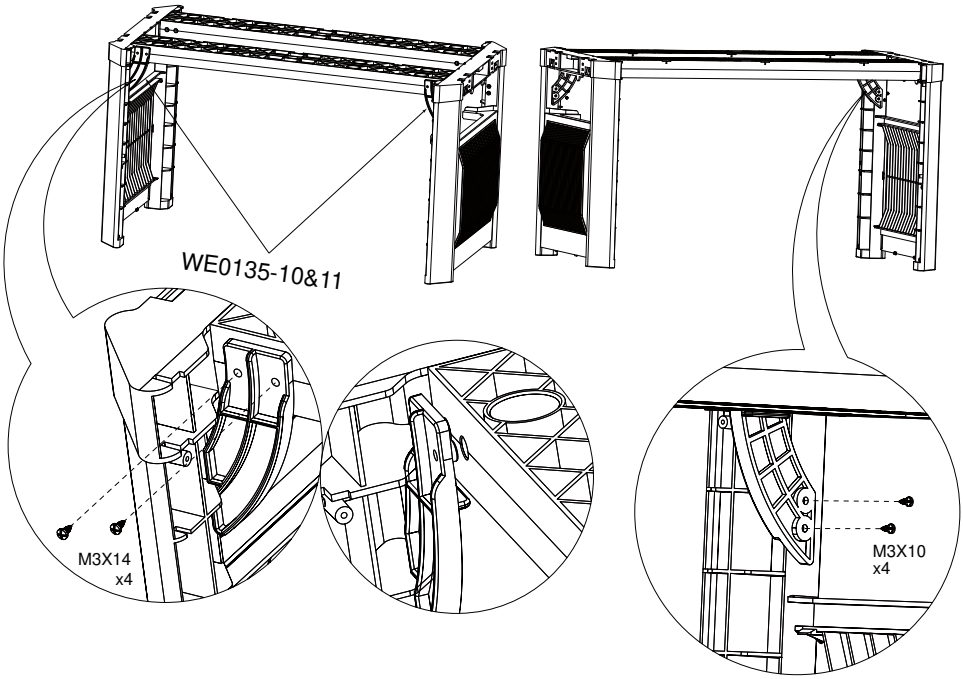

1
WE0135-15 X5
WE0135-14 X2
1
2
Pay attention to this position, the screw hole is upward
2
Insert in the second row of holes on the inside
X2
WE0135-20
X2
WE0135-21
1
WE0135-23
X1
2
3
Install in the right hole

3



Notice
The two parts can be interchanged,
When the installation environment is limited,
switch them to different positions so that the
small drawer WE0135-17 can be installed
in another direction

4



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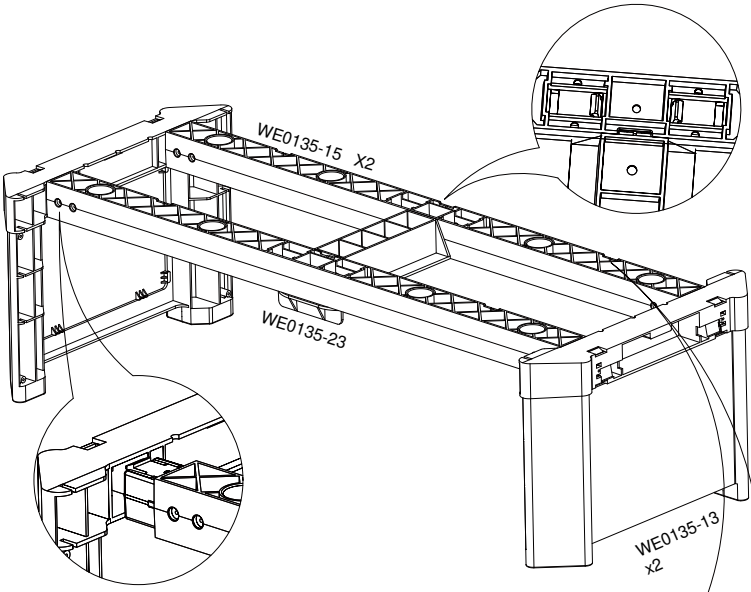
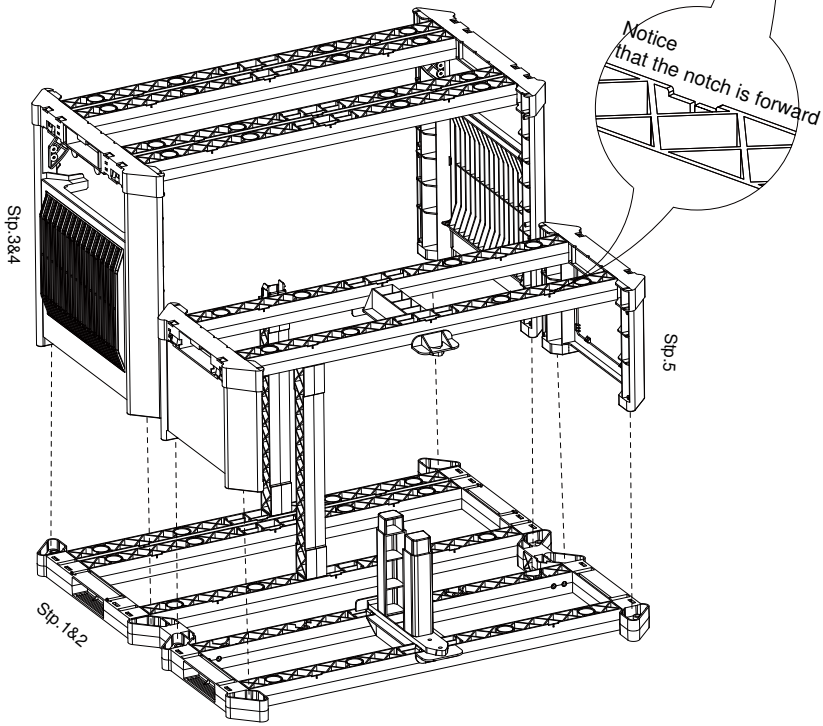
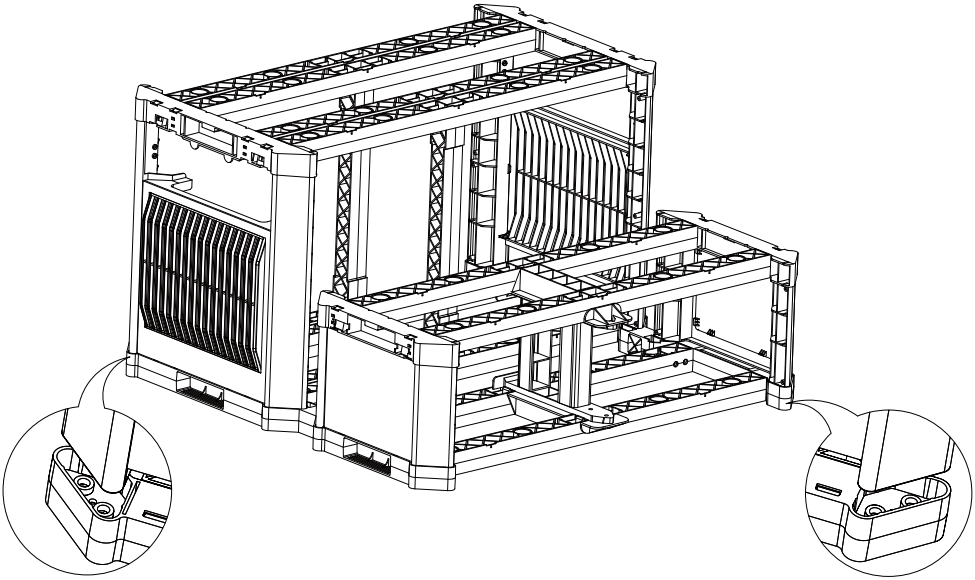

WE0135-15 X2
WE0135-23
WE0135-13
x2

6


Notice
that the notch is forward
Stp.3&4
Stp.5
Stp.1&2



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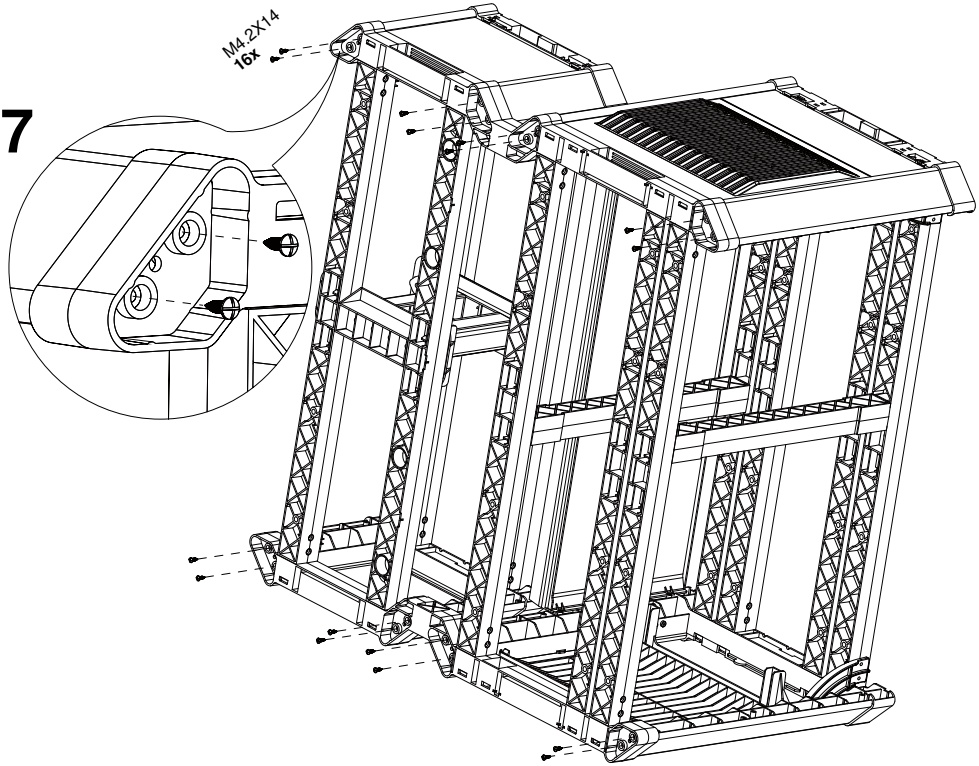

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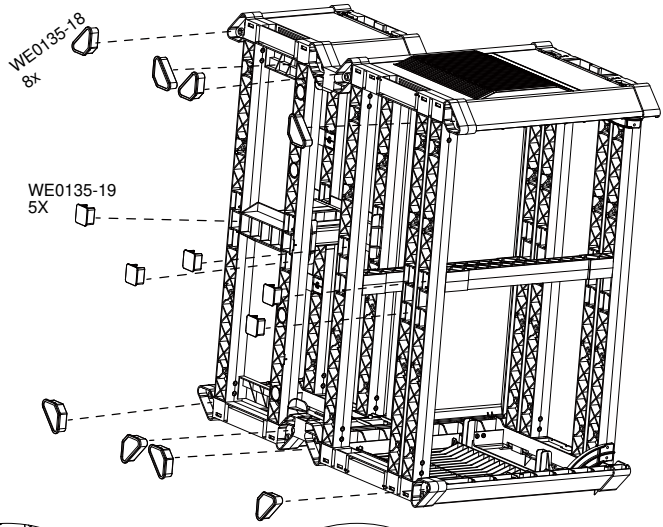
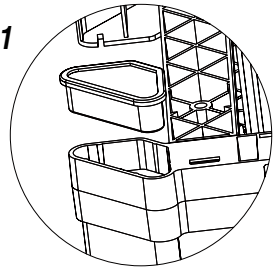


1



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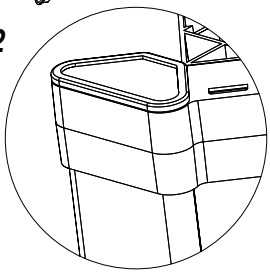

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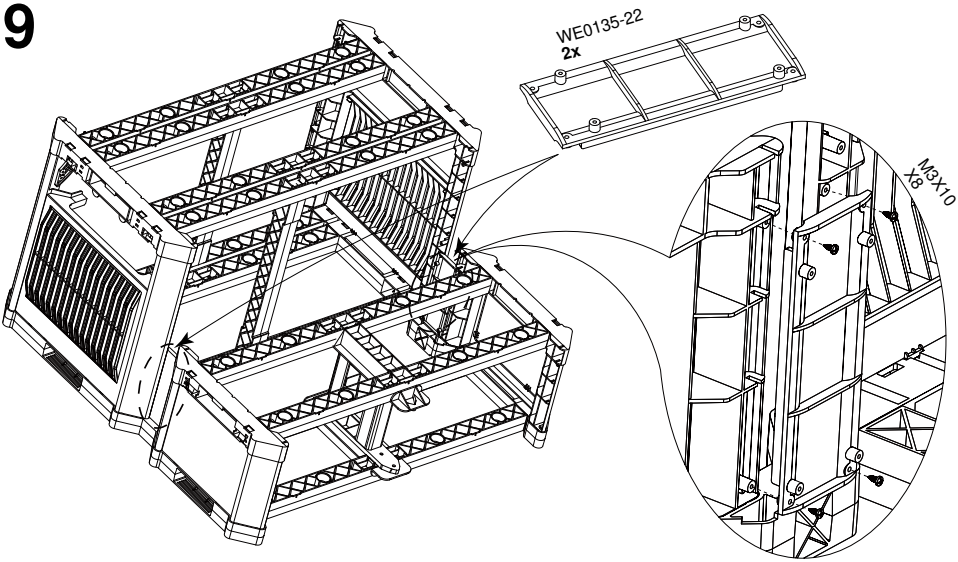

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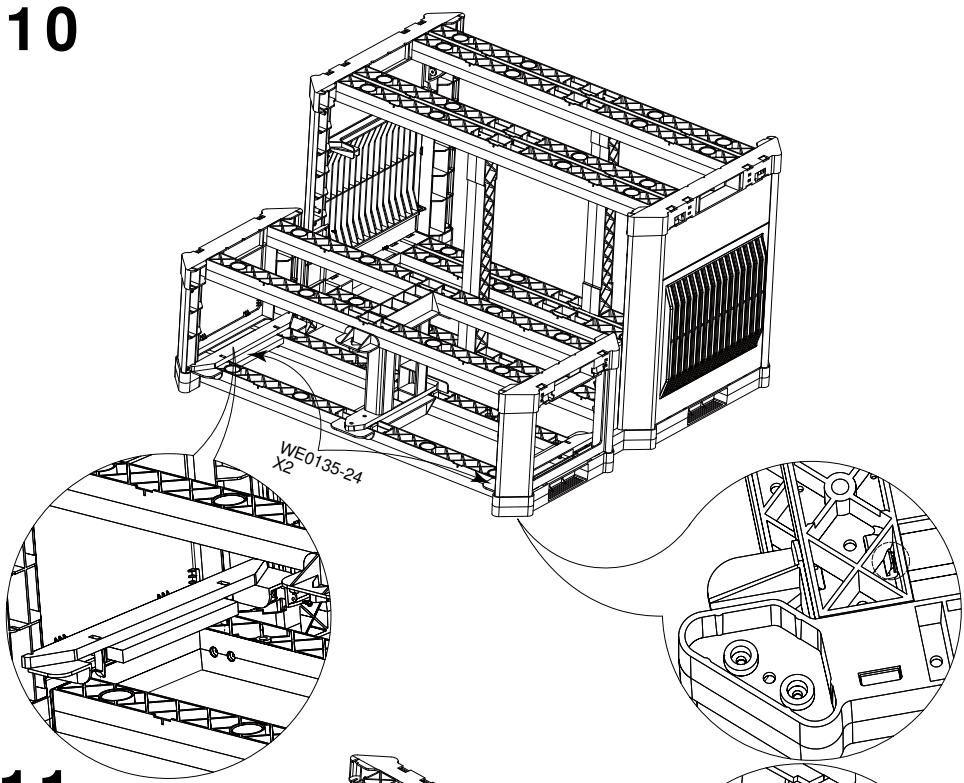

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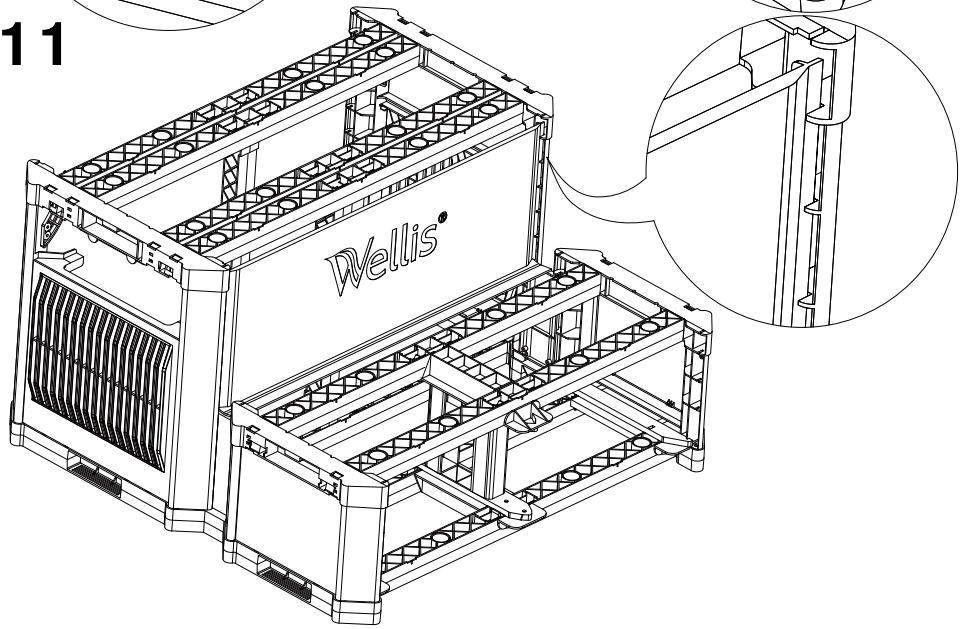
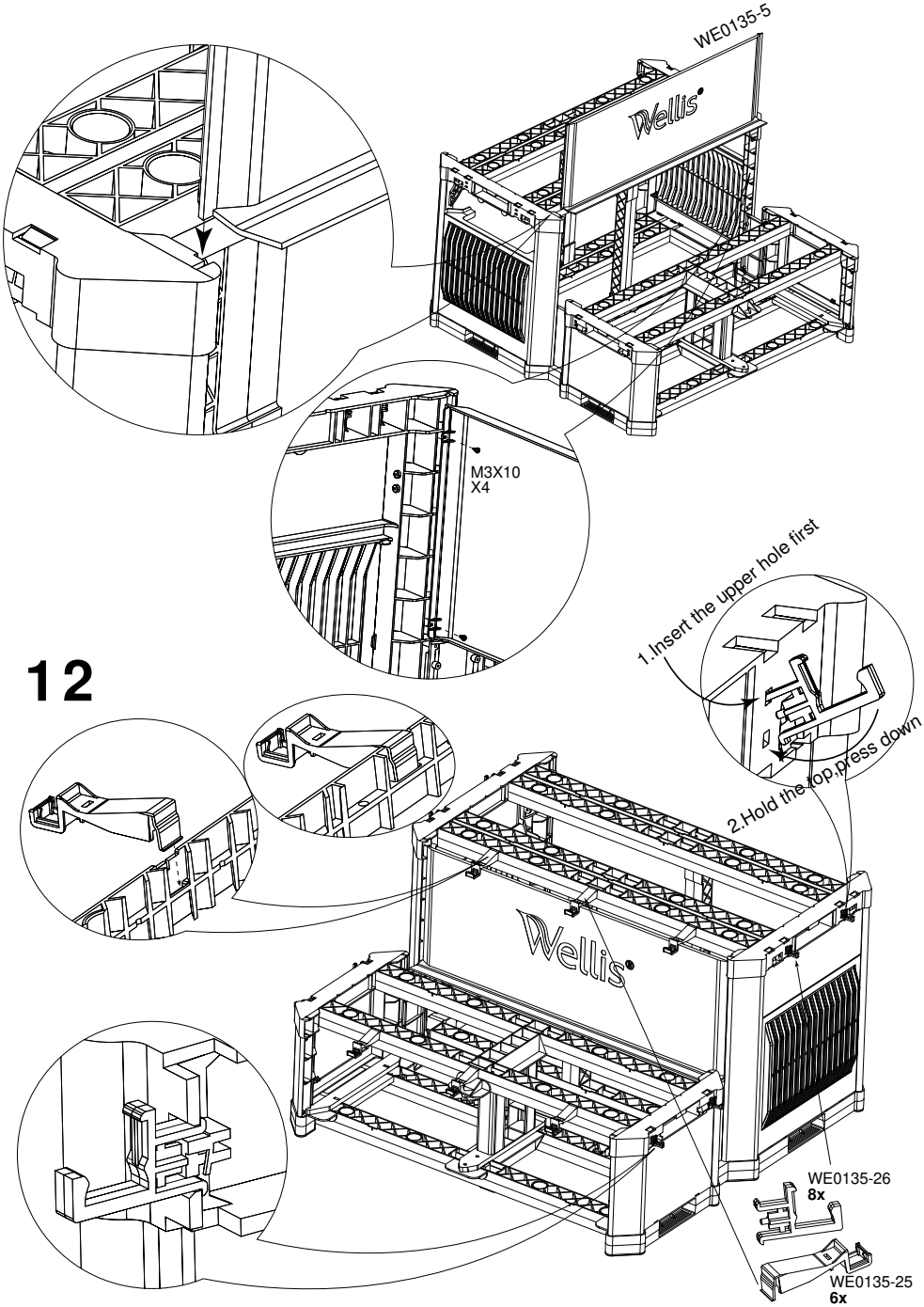
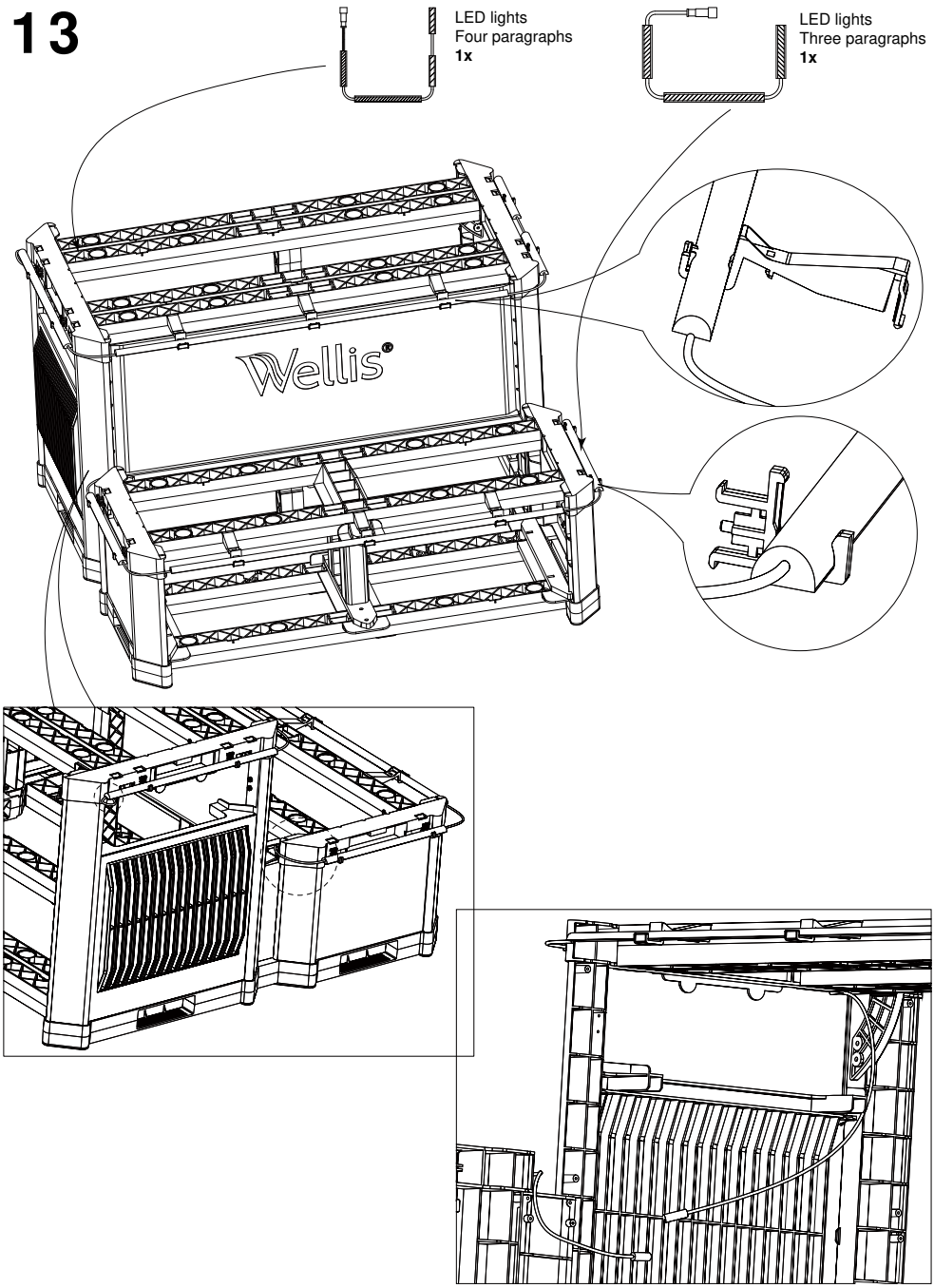
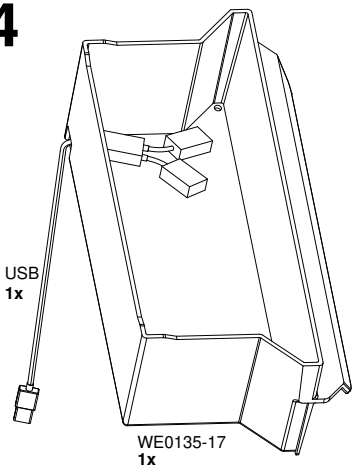


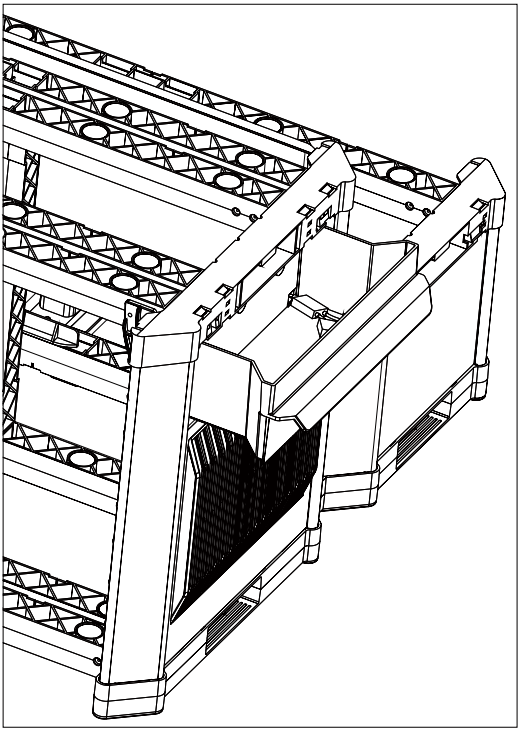

WE0135-5
M3X10
X4
12
1.Insert the upper hole first
2.Hold the top,press down
WE0135-26
8x
WE0135-25
6x

13


LED lights
Four paragraphs
1x
LED lights
Three paragraphs
1x
Wellis®

14





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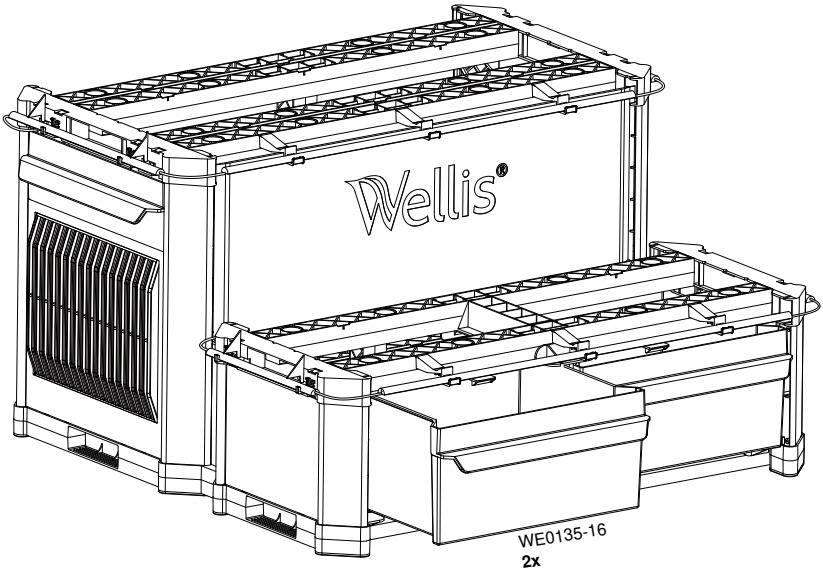

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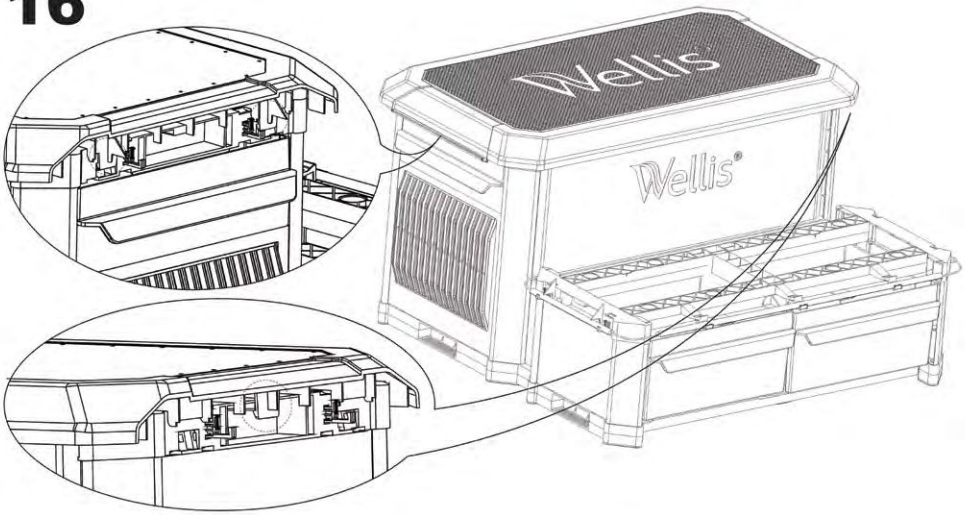

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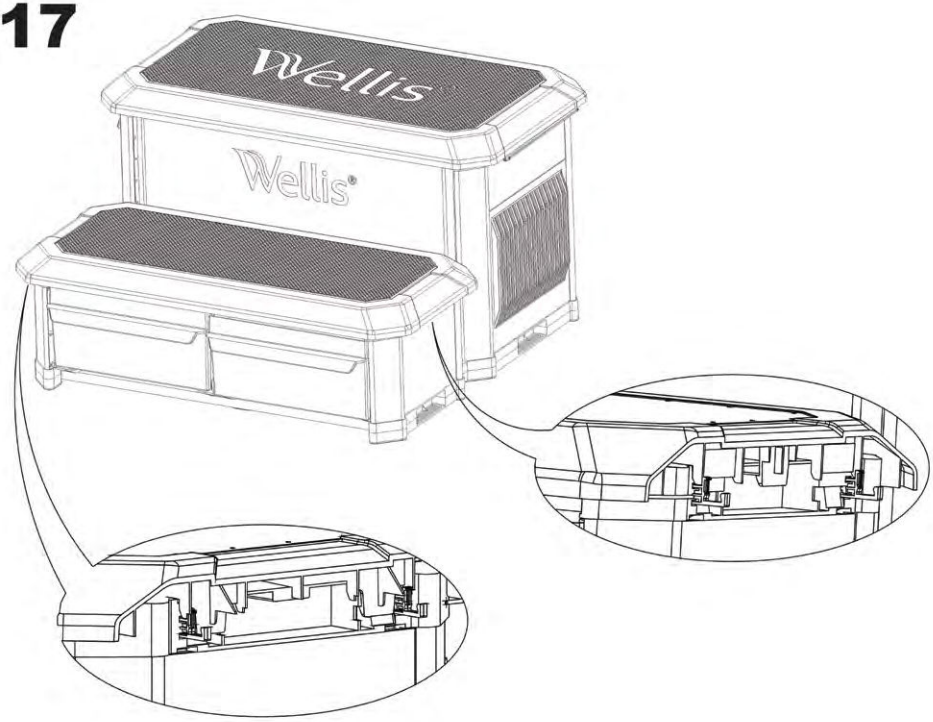


AQUASOUL PRO

AUDIO STATION FOR SPAS

Aquasoul Pro audio system offers you the perfect means to bring music into your spa. Aquasoul Pro is simple to install and compatible with numerous audio sources. For example, you may connect Aquasoul Pro to an iPod using the auxiliary audio input or play music wirelessly using a Bluetooth mobile device. Listen to music in MP3 format saved on a USB flash disk or tune in to an FM station of your choice using the Aquasoul Pro integrated FM receiver. Depending on the configuration used, Aquasoul Pro can handle up to 4 speakers and one subwoofer.

The audio station can be used to charge most mobile devices on the market with its onboard USB charger controller.

Powered with its own internal universal power supply, Aquasoul Pro can be used in any place in the world. All the electronics circuits are contained in a innovatively designed and splashproof plastic enclosure.

Aquasoul Pro is equipped with state of the art class D audio amplifiers. This type of amplifier is very power efficient and dissipates much less heat than any comparable audio system for use in spa.

Depending on the selected configuration, Aquasoul Pro conveniently lets you control music from the main keypad or may be used as a stand-alone.

Main characteristics

- Fully splashproof (IPx5)
- Integrated universal power supply
- 1 auxiliary input
- Compatible USB port
- Integrated FM receiver with external antenna
- Bluetooth receiver
- Mobile device USB charger controller
- Up to 4 speakers and one subwoofer

CONNECTIONS

PAIRING WITH A BLUETOOTH ENABLED DEVICE

Aquasoul Pro can play music from any device equipped with Bluetooth wireless technologies, however, you must pair your mobile device to the audio receiver in order to do so.

The system is ready to pair when it is not already connected to another device. To pair your device, make sure that you are close enough to the Aquasoul Pro, that it is turned on and that it is set in Bluetooth mode.

NOTE: *In basic configuration (not connected to a keypad or controller), Aquasoul Pro is set in Bluetooth mode. Otherwise, please refer to your specific keypad operating manual for details on the Aquasoul Pro functions.*

FOLLOW THESE STEPS TO PAIR YOUR DEVICE

1. Open the Bluetooth settings on your device. The location of the settings will depend on the device you are using.

2. Make sure Bluetooth is on.

3. Select "in.stream 2" in the list of discoverable Bluetooth devices detected nearby.

4. When prompted, enter 5555 as the PIN Code.

5. Once the pairing is done, select in.stream 2. When "connected" is displayed, Aquasoul Pro will be ready to start playing the selected audio.

Note: *If the device moves out of range and loses connection, it should reconnect automatically as soon as it is close enough. This should happen without having to go through the menu again.*

Aquasoul Pro will keep up to 8 devices in its memory. If one of the last three connected devices is in range and has its Bluetooth turned on, it will automatically connect to Aquasoul Pro.

If multiple devices are within range and have already been paired with Aquasoul Pro, priority will be given to the device that was first detected in the Aquasoul Pro memory.

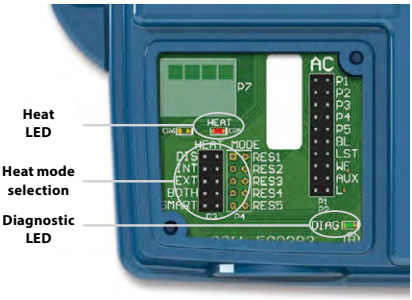
Heat Mode Operations

You can choose between four different water regulation modes available. Your in.grid is automatically detected by the spa control system at power up. It will be ready to use with your preferred heat mode one minute following power up.

The relay contacts of the in.grid will be closed if the external heating system is activated. Otherwise, the relay contacts are open.

Your desired heat mode must be set by adding a jumper on one of the five (5) different positions.

***Note:** Your heat mode selection can be changed with the in.touch 2 app on your mobile device. On your app, any new selection will override the jumper setting of the in .grid. The in.touch 2 app will automatically detect the in.grid presence and will adapt its menu configuration as required.*



Five available heat modes are offered with in.grid:

1- DIS (DISABLED)

Use this mode if the spa configuration does not have any external heating system and only the single switch functionalities are used. This will avoid in.touch 2 application on a mobile device to display the Heat Mode Selection menu*. The spa controller will regulate the water temperature using the standard resistive heater. The single button switches will control the different spa accessories according to the AC jumper selections.

***IMPORTANT:** This mode can only be set with the heat mode jumpers.*

2- INT (INTERNAL)

This mode provides an easy way to revert back to standard water regulation using the internal heater in case of problem with the external heating system.

3-EXT (EXTERNAL)

Use this mode for a maximum energy saving purpose. The spa control system will only use your external heating system to regulate the water temperature. In normal operation, the internal heater will never be activated.

Freeze Protection

Freeze protection has been added because EXT (EXTERNAL) mode does not allow the activation of the internal heater. In cold weather, if it becomes impossible to keep the water over freezing point, the help of the internal heater will then be needed. This is the only time the freeze protection will come in.

At any time, if the water temperature drops to 40°F (4.5°C), the resistive heater will give a boost to avoid freezing. The freeze protection will stay active until water temperature reaches the minimum allowed set point (usually 59°F / 15°C). Normal EXT mode will resume functioning thereafter.

4- BOTH (BOTH SYSTEMS ALL AT ONCE)

The spa control system will always use the external heating system AND the internal heater simultaneously to regulate the water temperature; they are both activated or deactivated at the same time.

5- SMART (ENERGY SAVINGS)

The spa control system will always use the external heating system to regulate the water temperature. If the temperature falls too far below your set point (-2.5°F), the internal heater will be activated to help your external heating system reach the set point.

Troubleshooting

DIAGNOSTIC LED

The diagnostic LED will help you with the status of the connection between the spa control system and the in.grid.

Blinking light:	Spa control system not detected, not compatible or in Disable mode if one of your single switches doesn't operate properly.
Solid light:	Spa control system detected
No light:	Power Off

HEAT LED

Solid light:	Relay contacts close and external heating system on.
No light:	Relay contacts open and external heating system off.

in.touch 2

Easily integrate your spa to the Internet of Things!

Simplest of setups

in.touch 2 eliminates all the complexities of connecting your spa to the Internet and transforms your smartphone or tablet into your ultimate Wi-Fi spa remote control. in.touch 2 comes with a state-of-the-art app and 2 prepaired radio frequency transmitters, one being part of your spa system and the second one being connected to your Internet router. Both RF transmitters are prelinked to one another, enabling an immediate and perfect communication between you and your spa.

Strong and long range communication signal

Through their proprietary RF technology, in.touch 2 transceivers emit a strong, stable and long range signal between your spa and your router (about 3 times longer than regular Wi-Fi signal. No need for repeaters or boosters: your spa will always remain within reach in typical backyard settings.

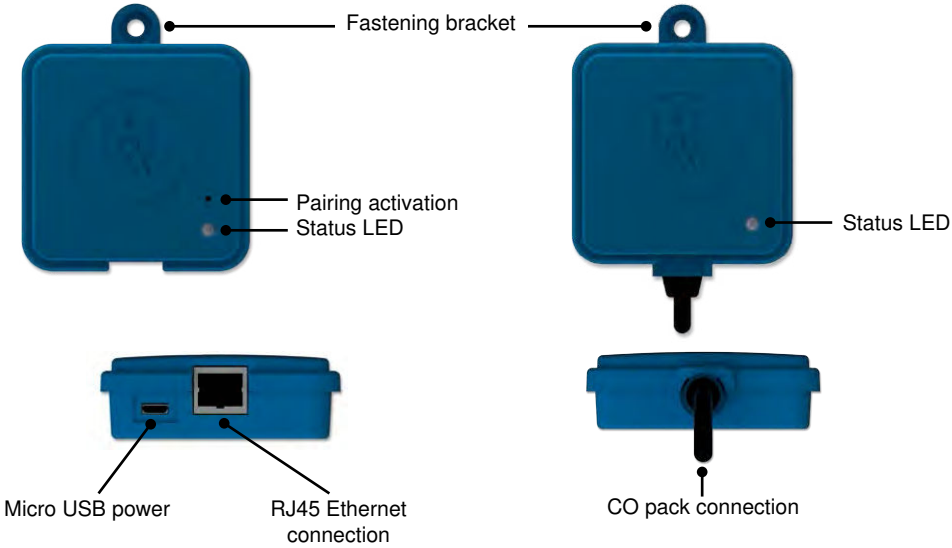
State-of-the-art app with push notifications

in.touch 2 streamlined application makes it very easy to control and program all the functions and features of your spa from your smartphone or your tablet. Even when you’re away from home, you get full control of your water care settings, filtration cycles, water temperature, economy modes and a lot more. Push notifications will always keep you informed on the status of your spa, even when your app is not open.

in.touch 2 overview

Home Transmitter (EN Module)

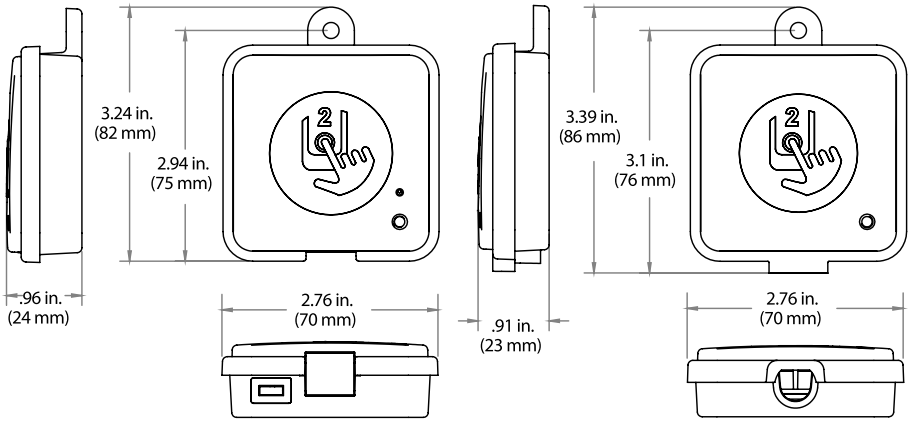
Spa Transmitter (CO Module)



in.touch 2 dimensions

Home Transmitter (EN Module)

Spa Transmitter (CO Module)



Home Transmitter (EN Module) installation

The Home Transmitter unit must be installed inside the house near the router as it needs to be connected to it. The Home Transmitter is provided with an Ethernet cable and a power supply. If required, a longer cable of good quality can be used by the installer (longer cable not provided) to install the Home Transmitter closer to the spa within the home.
The only requirement for installation location is that household .current be available to power the Home Transmitter using the provided wall transformer.

The Home Transmitter can be fixed in the house to optimize the signal strength. We recommend that you install the unit with a #8 pan head screw.

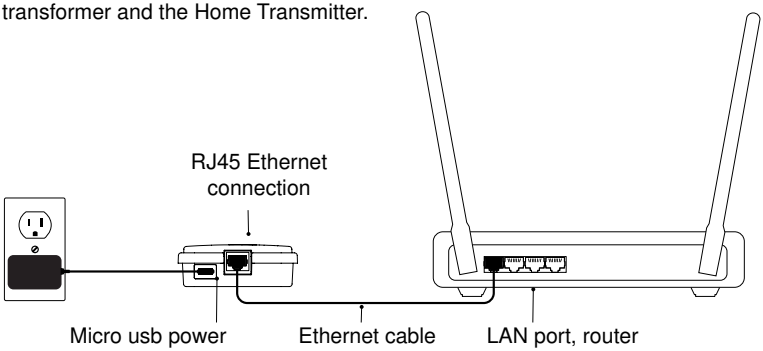
Here are some suggestions for a successful installation:

- If possible, install device on the first floor of your house.
- If installing in a basement, place at highest level possible and closest to a window.
- Try to install as far as possible from materials that may interfer with signal (ie. metal structures, thick cement walls).
- Install as far as possible from router as the signal emitted by the antenna may interfere with RF signal.

Connection of the Home Transmitter (EN Module)

Simply connect Ethernet cable into the RJ45 port of the Home Transmitter and in one of the available LAN ports on the router.

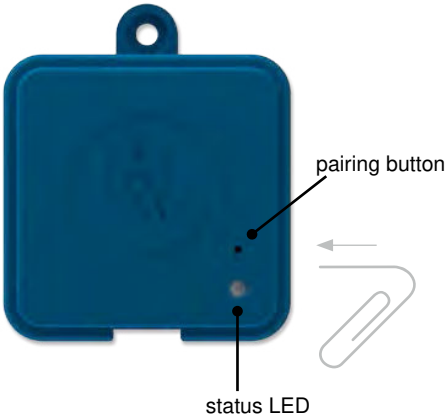
Finally, to power up the Home Transmitter, connect the provided transformer to a 120V (North American model) or 220V (European model) household supply and connect the USB cable between the transformer and the Home Transmitter.

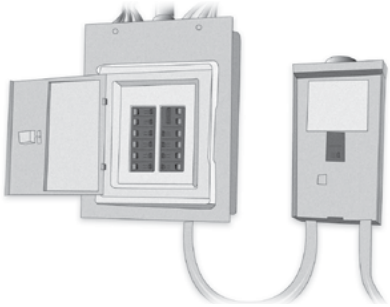


Pairing the Spa Transmitter (CO Module) and the Home Transmitter (EN Module)

The pairing process is used when you need to replace one module of the in.touch 2 kit. Otherwise, the in.touch 2 arrives pre-paired from the factory.

1. Power up the Home Transmitter





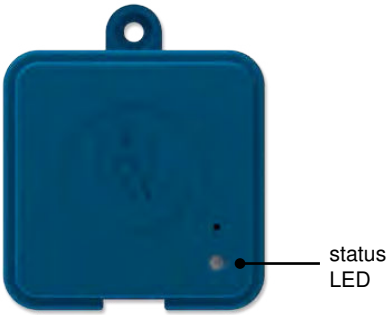
2. Press on the pairing button with a paper clip or some similar tool. When the pairing mode is active the status LED flashes YELLOW in a rapid pattern. The Home Transmitter is then in pairing mode and will remain in this mode until it pairs with an Spa Transmitter, or until it is reset (power cycled).
3. Shut off the spa's breaker (thus turning off the Spa Transmitter), wait a few seconds, and then flip the breaker back on. Within a few seconds, the pairing operation should complete and the Home Transmitter status LED will no longer be YELLOW.

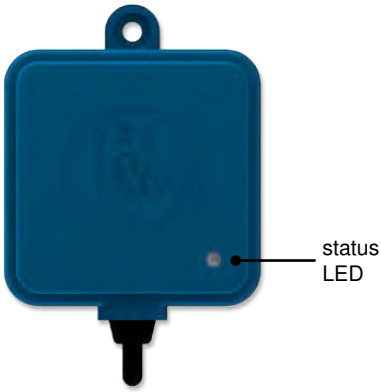
Note: in.touch 2 modules can be paired as often as necessary, but can only be paired with a single counterpart module at a time. Once paired, the modules store this information permanently until the next pairing operation. Pairing information is stored in non-volatile memory, so pairing is not required after a power failure. Only a Home Transmitter can initiate a pairing, so it is important that the pairing begin with putting the Home transmitter module in pairing mode.

If several spas are powered up at the same time with a Home Transmitter in pairing mode (for instance, in a dealer showroom), only the 1st spa to successfully connect to the Home Module will pair. As this can be random, it is recommended that only 1 spa be powered up at a time during the pairing process.

LED

Each in.touch 2 module has a status LED that can be used for troubleshooting purposes. The LED is located on the top of both enclosures.





Home Transmitter	
Pairing mode Yellow (Blinking)	
Router not detected Red	
Router detected Green	
in.touch 2 server detected Module is fully functional Blue	

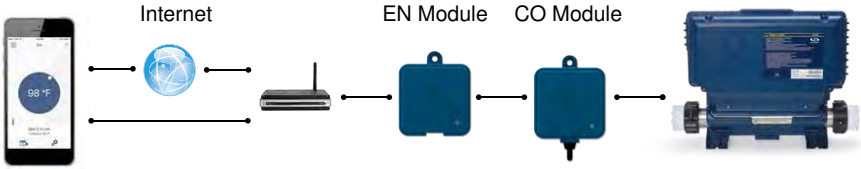
Spa Transmitter	
Pairing mode Yellow (Blinking)	
Spa controller not detected Red	
in.touch 2 server detected Module is fully functional Blue	

** When the LED status is blinking (blue, green or red) this indicates that the communication between the EN module and the CO module it not established.*

Download application

The in.touch app allows you to control your spa using your home network or an Internet connection anywhere in the world. The Wellis Spa Control (in.touch 2) app is waiting for you in the App Store for iOS devices and on Google Play for Android — search for «Wellis Spa Control» then click on it to install.

Use this application



On your home network

It is possible to access your spa with the in.touch 2 app through your home network. To be able to see your in.touch 2 in the application you need to connect your device to the same router (Wi-Fi network) than the one used to connect your Home Transmitter

Go to the Wi-Fi settings section of your mobile device and choose the same network that your spa is connected to (i.e. Home). Once you've selected it, wait until your device confirms the connection.

On the Internet

The in.touch 2 allows you to use the Internet to control your spa from anywhere in the world. In order for them to communicate, both the in.touch 2 module and your device must be connected to a network that allows access to the Internet.

Once your Home Transmitter is connected to the Internet (the LED status is blue), you can use your in.touch 2 app any time your device is also connected to the Internet (wireless or cellular network), even if you are away from home.
To have access to your spa away from home, you will need to have previously linked your mobile device to your spa on your home network.

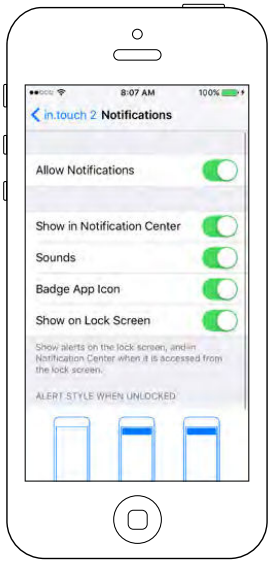
Setup your Wi-Fi on your device

Before using your application, go to the Wi-Fi section of your device's settings. Make sure you are connected to your home network. This needs to be the same Wi-Fi provided by the router to which you connected your Home Transmitter.

Start the in.touch 2 application

Find the icon for the in.touch 2 application, then tap on it to open it.

The first time you use the application a message will ask you: "in.touch 2" Would like to send you notifications. If you choose Allow, the application will send you notifications about the status of your spa. If you choose Don't Allow, the application will not send you notifications.

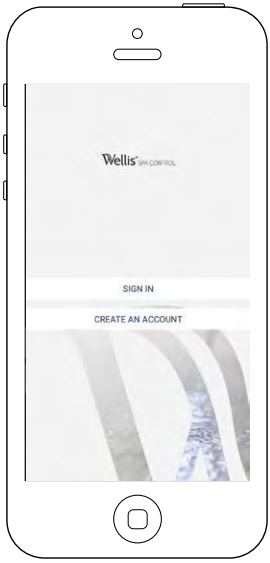


If you change your mind later concerning notifications, you may add or remove notifications for the in.touch 2 application.

On iOS, go in your settings menu and choose in.touch 2. Select the notifications menu, you can turn notifications on or off from this page.

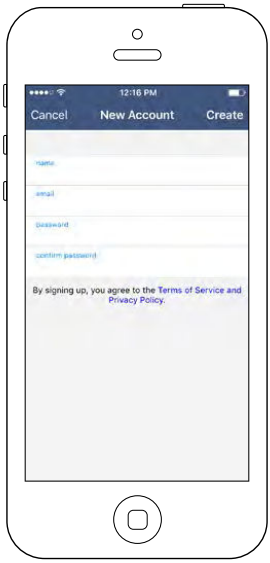
On Android, go to your settings menu and then into the notifications menu. Select the in.touch 2 app, from this page you may turn notifications on or off.

Login page



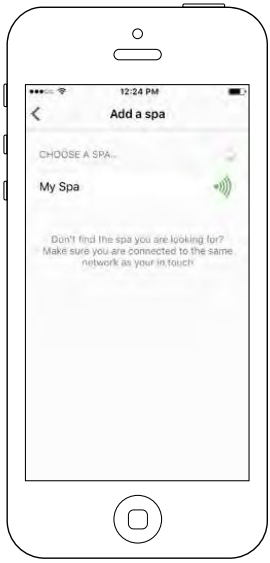
Before using your application, you must create an account first and then, you'll be able to sign in. Your account will give you the opportunity to have access to your spa from any in.touch 2 application.

New account creation



When you choose to create a new account, you agree at the same time our Terms of Service and our Privacy Policy. You can read them at any time through this link: https://geckointouch.com/legal

Choose a spa



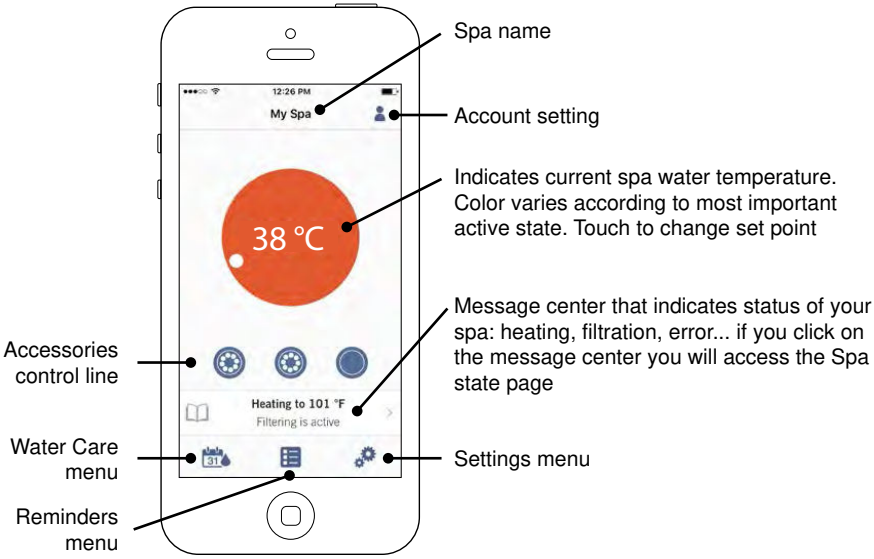
This page displays all the spas detected by your application.
To detect your spa, you need to connect your mobile device to the same network to which you connected your Home Transmitter.

Once you have done a connection with the spa its name will be saved on this page to allow you to connect to this spa from anywhere.
To add a spa later on, go to p. 26 of this techbook for instructions. The RF signal strength (communication between the two in.touch 2 transmitters) is illustrated on the Select a spa page. There are 5 possibile states:

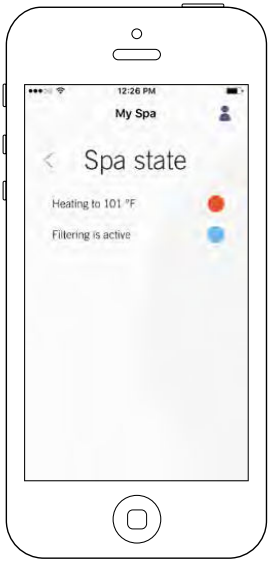
- Signal superior to 80%
- Signal between 80% and 51%
- Signal between 50% and 31%
- Signal below 30%
- The Spa Transmitter is not available

Home page

The main screen gives you access to your accessories, water temperature, water care and settings.



Spa state



This page displays all the active states of your spa. Below is a quick description of each state you may encounter on your spa. Each state is associated to a priority and color that determines the color of the widget on the home page.

- Indicates that there is an error on your spa.
- Indicates that there is presently an active user demand on your spa (ie. pump, blower or light is on).
- Indicates that your spa is now heating to your set point.
- Indicates that your spa is now in a filtering cycle.
- Indicates that your spa is now in economy mode.
- Indicates that your spa is running normally (there is no user demand, heating, no filtration or economy active).

The widget on the home page displays a single color at a time. The color displayed is decided by priority of state. The established priority is as listed above.

Change temperature

Touch the centered widget to reveal the temperature control bar.

Use the slider on the control bar to change your spa's temperature* set point.

** If you are in economy mode your spa temperature will be 20°F below your set point.*

Turn on/off accessories

According to your spa pack configuration, you can start or stop an accessory by simply touching the associated icon. The icon will become animated when the accessory is on. Simply press on the icon to start or stop the accessory.
If your accessory has more than one speed, press the button until the desired speed is reached.

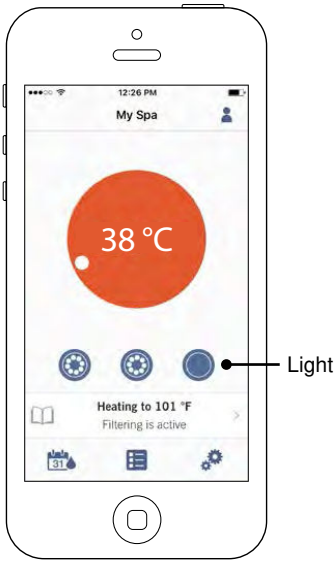
The icon designs are customized according to your spa pack configuration:

Pump

Waterfall

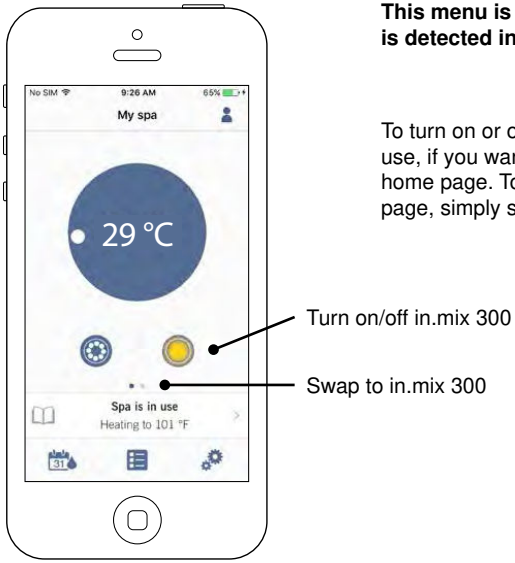
Blower

Turn on/off the lights



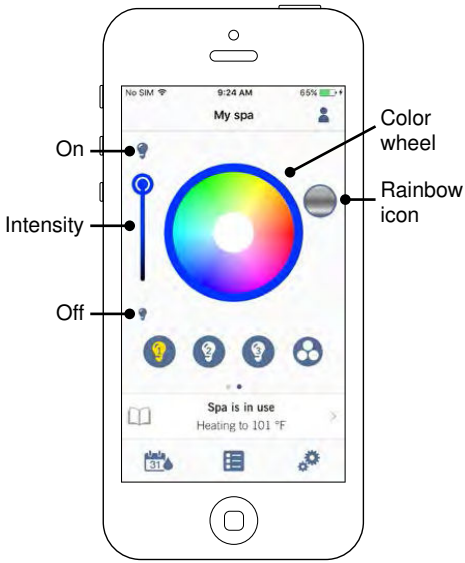
To control your spa lights, simply press the button to turn it on or off

Control your in.mix 300



This menu is only available if an in.mix 300 is detected in your spa accessories

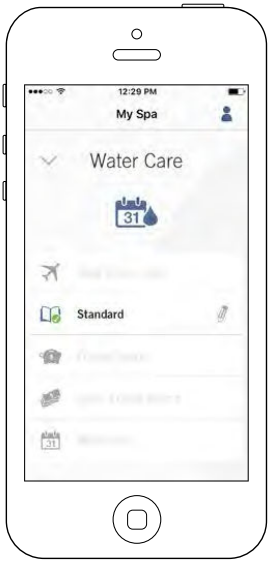
To turn on or off the in.mix 300, you can use, if you want, the light icon on your home page. To go to your in.mix 300 page, simply swap to the left.



The light bulb icons allow you to turn on and off your in.mix 300.

To change the color, use the color wheel to choose the one you want. On the left side, the intensity slider allows you to modify the brightness of your lights. Use the rainbow icon to get color gradation.

Water Care



The Water Care page will help you set up your ideal filtration and heating settings. Choose between Away from Home, Beginner, Energy Savings,
Super Energy and Weekender, depending on your need. Touch the Water Care name you would like to activate, a green check-mark will appear on the icon, indicating you have selected it.

By default, each Water Care mode has pre-configured schedules of economy and filtration.To modify Water Care options, touch the pencil icon at the right end of the desired Water Care to open its menu.

Below you have a short description of each Water Care at default state:

Away From Home:
In this mode the spa will always be in economy; the set point will be reduced by 20° F.

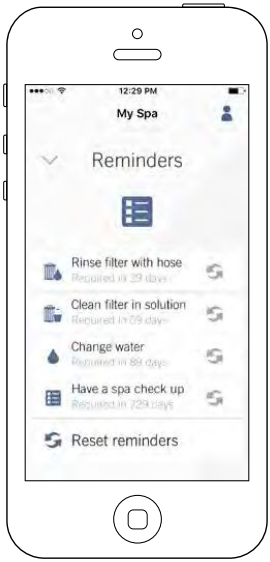
Beginner / Standard:
The spa will never be in economy mode and will be filtering according to the pack's low level configuration.

Energy Savings:
The spa will be in economy mode during the peak hours of the day and resume normal mode on the weekend.

Super Energy Savings:
The spa will always be in economy mode during peak hours, every day of the week.

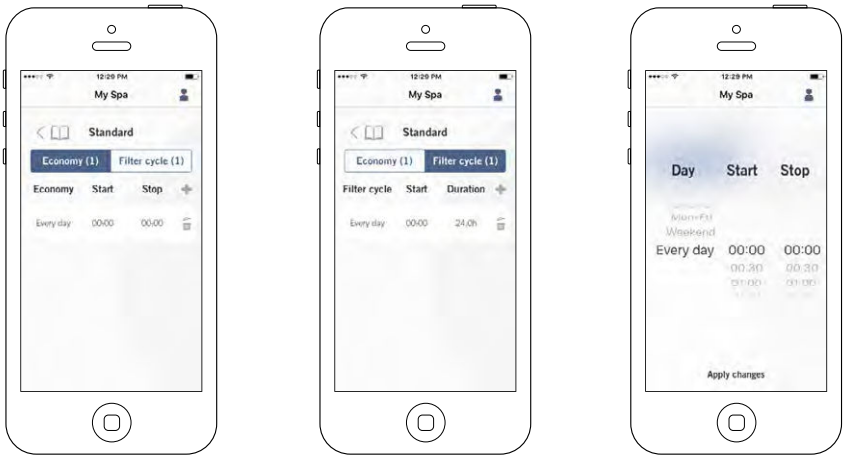
Weekender:
The spa will be in economy mode from Monday to Friday, and will run normally on the weekend.

Reminders



Reminders page will help you to make a follow-up of your maintenance.
The in.touch 2 will remember you to perform required maintenance tasks on your spa, such as rinse filter or clean filter. Each task has its own reminder duration based on normal use. The owner can reset his reminders after the spa maintenance.

Modifying schedules



In this menu it is possible to add, remove or edit schedules of economy or filtration.

To have access to this menu, simply touch the tabs:
Water Care menu - the little pen at the right of the wanted water care

Touch the Economy tab to modify the economy schedules and Filter cycle tab for the filtration schedules. You can add economy or filtration schedules by touching the « + » symbol.

To delete a schedule, touch the garbage can icon at the right end of the desired line.

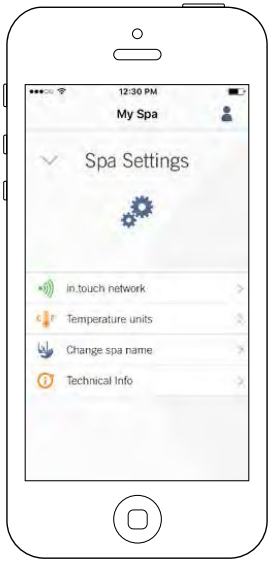
You can modify the programmed schedules by selecting one and adjusting the schedule.

You have several possibilities for the schedule (Mon-Fri, weekend, every day, or single days). The schedules will be repeated weekly. The time and duration are set in 30 minute increments. Once you have set the schedule, use the arrow at the top of the page to go back. Ensure that you have selected the desired Water Care mode in the main Water Care menu.

When an economy schedule is active, 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 is applied 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 purge schedules instead of filtration. The purges are pre-programmed for a fixed number of minutes, therefore the duration will be set to N/A on the screen and only the start time can be modified.

Spa Settings

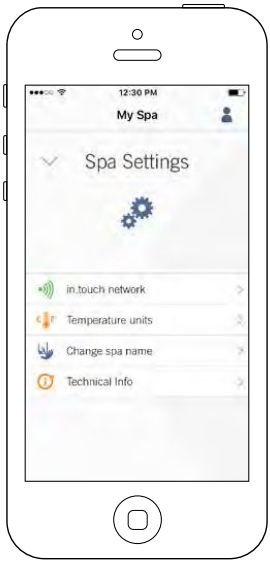


In the Settings page you can access the following:

- *in.touch network*
- *Temperature units*
- *Change spa name*
- *Technical info*

To select an item, tap on the arrow next to it. It will open the selected menu.

in.touch network



The in.touch network menu allows you to have access to information concerning the RF connection parameters between the Home Transmitter and the Spa Transmitter. This menu gives you acces to:

- Channel
- Signal strength
- Reset channel (resets channel to ... default)

To change channels, press on the Channel line.

Change channel

The Change channel page allows you to change the channel used by the two in.touch 2 modules.

In some cases, this can help you to have a stronger signal.

You can have access to this page by touching the following tabs: Spa settings (at the bottom right) - in.touch network - channel

Temperature units

This menu lets you change the units used to display temperature.

You can have access to this page by touching the following tabs: Spa settings (at the bottom right) - temperature units.

Name

This section allows you to edit the name of the spa.

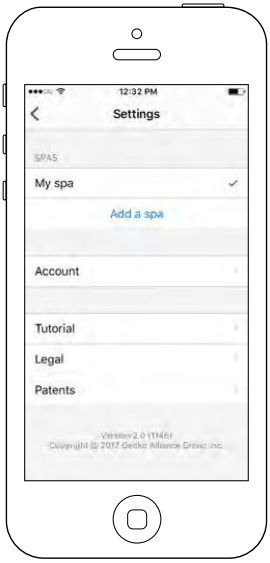
You can have access to this page by touching the following tabs: Spa settings (at the bottom right) - Change spa name

Technical Info

This section shows information about the in.touch 2 software number and the revision numbers of the different components of your system.

You can have access to this page by touching the following tabs: Spa settings (at the bottom right) - Technical info

Settings



In the Settings page you can access the following:

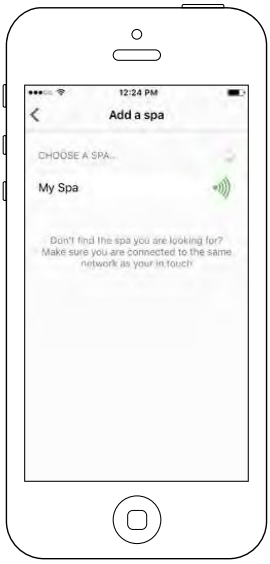
- *Add a spa from local network*
- *Account*
- *Tutorial*
- **Legal*
- ***Patents*

To select an item, tap on the arrow next to it. It will open the selected menu.

*The button Legal will bring you to this web site : https://geckointouch.com/legal

**The button Patents will bring you to this web site: http://geckoportal.com/corpo/#patents

Add a spa

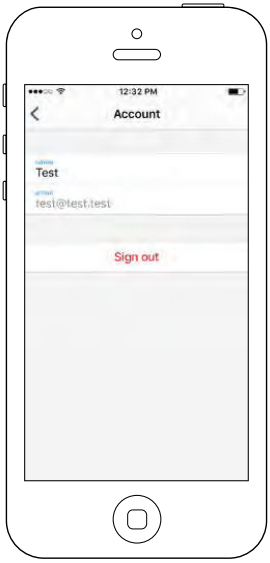


This page displays all the spas detected by your application.
To detect your spa, you need to connect your mobile device to the same network to which you connected your Home Transmitter.

Once you have done a connection with the spa its name will be saved on this page to allow you to connect to this spa from anywhere.
You can have access to this page by touching the following tabs: Settings (up right corner) - Add a spa
The RF signal strength (communication between the two in.touch 2 transmitters) is illustrated on the Select a spa page. There are 5 possibile states:

- Signal superior to 80%
- Signal between 80% and 51%
- Signal between 50% and 31%
- Signal below 30%
- The Spa Transmitter is not available

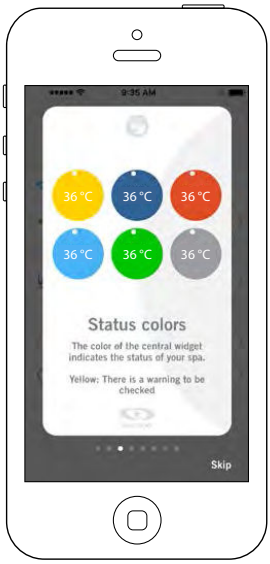
Account



This section gives you access to your account information.

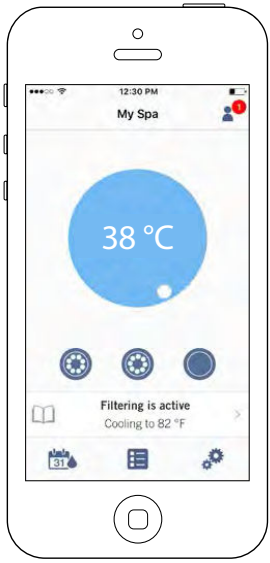
You can have access to this page by touching the following tabs: Settings (up right corner) - account

Tutorial



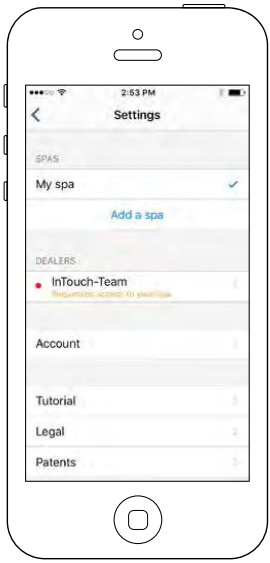
This section gives you a quick overview of your in.touch 2 application's functions.

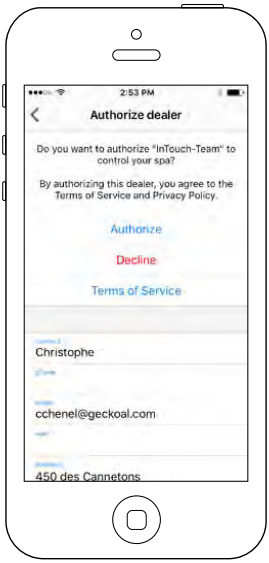
Technical Support invitation



When you receive an invitation for Technical Support, a red circle will be displayed next to the “setting” logo (top right corner).

Authorizing an invitation





All the invitations you may receive are under the dealers tab in the “settings” menu.

To choose an invitation, simply click on it. You will then see a window authorization to confirm with the dealer’s information.

You can also decline the invitation at any time if you want to.

Dealer page

Once you've had a dealer on your in.touch 2 app, you can, at all times, have access to his information.

If you don't want your dealer to have access to your spa anymore, simply swap to the left the "Allow access to your spa" button at bottom of the page.

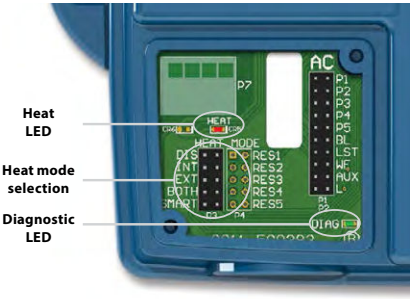
Heat Mode Operations

You can choose between four different water regulation modes available. Your in.grid is automatically detected by the spa control system at power up. It will be ready to use with your preferred heat mode one minute following power up.

The relay contacts of the in.grid will be closed if the external heating system is activated. Otherwise, the relay contacts are open.

Your desired heat mode must be set by adding a jumper on one of the five (5) different positions.

***Note:** Your heat mode selection can be changed with the in.touch 2 app on your mobile device. On your app, any new selection will override the jumper setting of the in .grid. The in.touch 2 app will automatically detect the in.grid presence and will adapt its menu configuration as required.*



Five available heat modes are offered with in.grid:

1- DIS (DISABLED)

Use this mode if the spa configuration does not have any external heating system and only the single switch functionalities are used. This will avoid in.touch 2 application on a mobile device to display the Heat Mode Selection menu*. The spa controller will regulate the water temperature using the standard resistive heater. The single button switches will control the different spa accessories according to the AC jumper selections.

***IMPORTANT:** This mode can only be set with the heat mode jumpers.*

2- INT (INTERNAL)

This mode provides an easy way to revert back to standard water regulation using the internal heater in case of problem with the external heating system.

3-EXT (EXTERNAL)

Use this mode for a maximum energy saving purpose. The spa control system will only use your external heating system to regulate the water temperature. In normal operation, the internal heater will never be activated.

Freeze Protection

Freeze protection has been added because EXT (EXTERNAL) mode does not allow the activation of the internal heater. In cold weather, if it becomes impossible to keep the water over freezing point, the help of the internal heater will then be needed. This is the only time the freeze protection will come in.

At any time, if the water temperature drops to 40°F (4.5°C), the resistive heater will give a boost to avoid freezing. The freeze protection will stay active until water temperature reaches the minimum allowed set point (usually 59°F / 15°C). Normal EXT mode will resume functioning thereafter.

4- BOTH (BOTH SYSTEMS ALL AT ONCE)

The spa control system will always use the external heating system AND the internal heater simultaneously to regulate the water temperature; they are both activated or deactivated at the same time.

5- SMART (ENERGY SAVINGS)

The spa control system will always use the external heating system to regulate the water temperature. If the temperature falls too far below your set point (-2.5°F), the internal heater will be activated to help your external heating system reach the set point.

Troubleshooting

DIAGNOSTIC LED

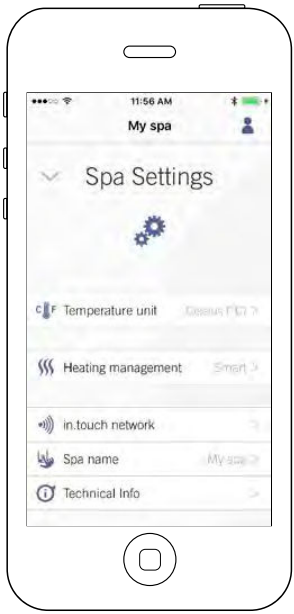
The diagnostic LED will help you with the status of the connection between the spa control system and the in.grid.

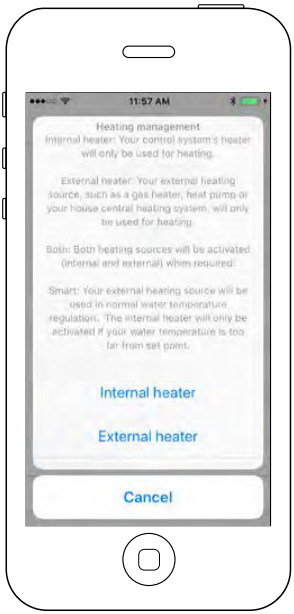
Blinking light:	Spa control system not detected, not compatible or in Disable mode if one of your single switches doesn't operate properly.
Solid light:	Spa control system detected
No light:	Power Off

HEAT LED

Solid light:	Relay contacts close and external heating system on.
No light:	Relay contacts open and external heating system off.

in.grid Heating Management





Heating management will appear when an in.grid is detected.

You can change your in.grid heating management without the need to open the spa skirt to change the jumper.

To do so, go to your Spa Settings - Heating management.

You can choose between 4 modes:

- Internal Heater
- External Heater
- Both
- Smart

To know more about the in.grid, take a look at our website at: http://geckoportal.com/ingrid

Both in.touch 2 modules have a status LED to help diagnose problems, if any occur.

Troubleshooting

There are 2 different modules in the in.touch 2 kit: The Home Transmitter (EN Module) and the Spa Transmitter (CO Module). They communicate together via an RF link. The Home Transmitter is responsible for the Ethernet communications and the Spa Transmitter is responsible for the spa communications.

W3000

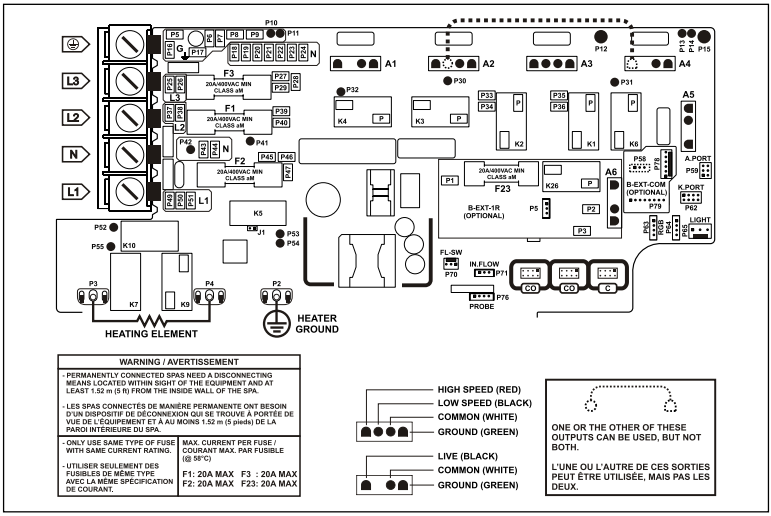
CONNECTIONS

CONNECTING HIGH VOLTAGE ACCESSORIES: ALL MODELS

Two options are available with Y Series spa packs for connecting high voltage accessories: 0.250″ quick-connect terminals, or AMP connectors conform to industry standards.

CONNECTING HIGH VOLTAGE ACCESSORIES: EUROPEAN MODEL IN.YE

For the connection to the 0.250 inch terminals, the high voltage accessories must be provided with female quick connect terminals, straight and non-insulated for all types of connections, including the ground. Only 230 V accessories may be connected to the corresponding terminals of the printed circuit of the in.ye. Refer to the following tables for correct connections. Note that all female terminals must be correctly and completely seated on the printed circuit terminals for proper current ratings.



CONNECTION FOR MODEL WITHOUT AMP CONNECTORS:

DIRECT OUTPUT 1 (A5)

Voltage	230 V
Green / ground	P16
Black / line	P45
White / common	P22

PUMP 1 (A3)

Voltage	230 V
Green / ground	P8
Black / low speed	K2-P
Red / high speed	K1-P
White / common	P20

PUMP 1 (A2)
(in.ye-5 CE)

Voltage	230 V
Green / ground	P7
Black / low speed	K6-P
Red / high speed	K3-P
White / common	P19

PUMP 3 (A4)
(in.ye-5-CE only)

Voltage	240 V
Green / ground	P9
Black / line	K6-P
White / common	P21

Pump 2 (A2)
(in.ye-3-CE)

Voltage	230 V
Green / ground	P7
Black / low speed	K2-P
White / common	P19

Circulation pump* (A1)

Voltage	240 V
Green / ground	P6
Black / line	K4-P
White / common	P18

Light (12 V dc, 1.3 A Max.)**

P65

LEDs RGB (in.lu.me only)

P63; P64

Optional output (A26)
(in.ye-4-CE or -6-CE only)

Voltage	230 V
Green / ground	P17
Black / line	K26-P
White / common	P44

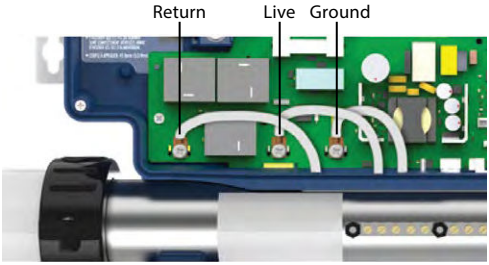
*** Ozonator and circulation pump can be combined on the same output via the optional splitter PP1.**
**** Max. available current for Light and LEDs RGB together.**

This table shows typical connections. OEMs may have a different connection scheme.

CONNECTIONS

HEAT.WAV WATER HEATER CONNECTIONS

in.ye systems come with a high performance heat.wav heater. With no pressure switch, it features in.flo integrated dry-fire protection.



The heat.wav heater is factory configured for 240 V / 4 kW, but it can be converted to a dedicated 120 V / 1 kW by simply adding a cable connection. (120 V conversion is available on North American in.ye-3 models only).

The heat.wav heater is also offered in 240 V / 5,5 kW or 240 V / 2 kW versions.

heat.wav specification summary:
- Supports 120 V or 240 V
- Incoloy® heater element
- Protected by external breaker (not fused)*

**Note : European models are 230-240 V only and are fuse protected.*

Part numbers:
9917-101959 (cable for conversion)
9920-101449 (5.5 kW heat.wav heater)

ELECTRICAL WIRING

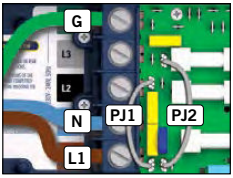
ELECTRICAL WIRING: EUROPEAN MODEL IN.YE

Refer to wiring diagram in the enclosure box lid for more information.

WARNING!

in.ye.ce models must always be connected to a circuit protected by a Residual-Current Device (RCD) having a rated operating residual-current not exceeding 30 mA.

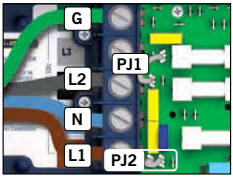
Correct wiring of the electrical service box, RCD, and pack terminal block is essential!
Check your electrical code for local regulations. Only copper wire should be used, never aluminum.



1-phase

Connect PJ1 between P37 and P49.

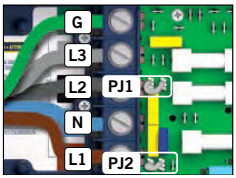
Connect PJ2 between P50 and P26.



2-phase

Connect PJ1 between P37 and P26.

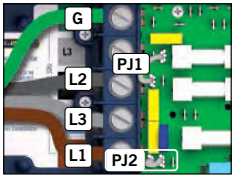
Connect PJ2 between P50 and P49.



3-phase with single neutral

Connect PJ1 between P7 and P10.

Connect PJ2 between P13 and P74.



3-phase Delta (no neutral)

Connect PJ1 between P37 and P38.

Connect PJ2 between P50 and P49.

input voltage: 230V, 50Hz (Line-to-Neutral)

Only for countries where Line-to-Line input voltage: 230V, 50Hz.

Insert each wire into the appropriate socket of the main entry terminal block according to the color code indicated on the sticker. Use a flat-head screwdriver to tighten the screws on the terminal (please refer to the sticker inside the casing to see the torque to apply).

After making sure wires are securely connected, push them back into the box and replace the cover. Do not over tighten cover screws (torque to 8 in. lb max {0.9 N.m}).

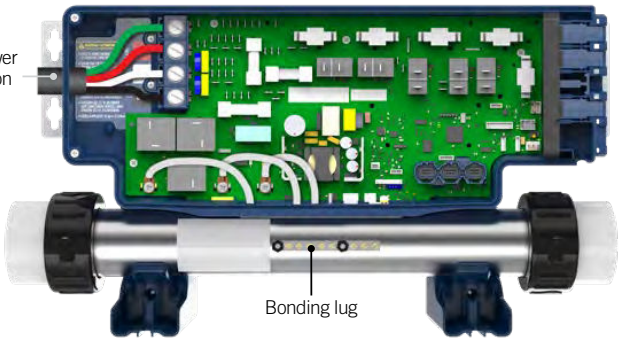
Connect the bonding conductor to the bonding lug on the front of the spa pack (a grounded electrode conductor should be used to connect the equipment grounding conductors). Bonding conductor must meet local electrical code.

ELECTRICAL WIRING

ELECTRICAL WIRING : ALL MODELS

Warning

Disconnect power before starting electrical work. Wiring must be completed by a qualified electrician and must be done in accordance with the local electrical code.



To complete the electrical connections of our in.ye control system you will need a Phillips screwdriver and a flat-head screwdriver (slotted head size between 5/16" and 3/8").

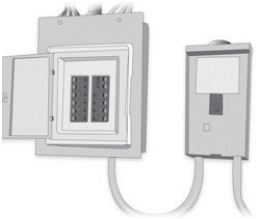
Remove the screws from the system control lid and remove it.

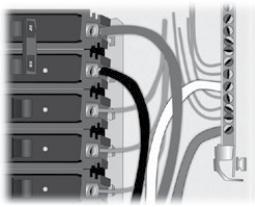
Remove 5 1/2" (142 mm) of cable insulation.

Strip away 1" (25 mm) of insulation from each wire.

Pull the cable through the cutout of the box and secure it with a NPT strain relief* (hole diameter 1,335" [34,42 mm]). Ensure that the NPT strain relief clamps are around the outer sheath of the cable.

** For CE use an IEC certified plastic bushing that will maintain the IPX5 rating.*





Warning

For units to be installed in other than single-family dwellings, a clearly labeled emergency switch shall be provided as part of the installation. The switch shall be readily accessible to the occupants and shall be installed at least 5' (1.52 m) away, adjacent to, and within sight of the unit.

This product must always be connected to a circuit protected by a ground fault interrupter.

Proper wiring of the electrical service box, GFCI and in.ye terminal block is essential!

Check your electrical code for local regulations. Only copper wire should be used, never aluminum.

Disposal of the product

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

FOR COLOR DISPLAY KEYPAD GO IN SETTING MENU

It is important to specify the current rating of the GFCI/RCD used to ensure a safe and efficient current management (and reduce nuissance GFCI/RCD trippings).

Choose the number of phases supplying your spa (1 to 3). Use the **Up** or **Down** keys to select the number of phases and press on the **Prog**. key to confirm your selection.

The values displayed by the system correspond to 80% of the maximum amperage capacity of the GFCI.

Use the Up or Down keys to choose the desired value.

The value can typically be modified from 10 to 48 A.

Press on the Prog. key to set the breaker rating.

The tables below indicate the typical value of b for different GFCI/RCD ratings.

Choose the one that corresponds to your breaker.

Note: *Every OEM has its own pre-established configurations.*

W3000

Selecting number of phases	
CE	1, 2 or 3
CE Swim*	1, 2 or 3

*** For more information see the Swim spa system Techbook.**

REQUIRED GFCI/RCD - AMPERAGE SETTINGS

W3000

GFCI/RCD	b
60A	48A
50A	40A
40A	32A
30A	24A
20A	16A

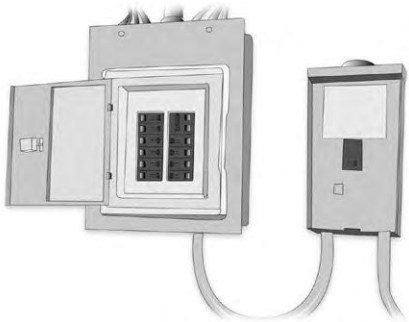
POWER UP AND BREAKER SETTING

IMPORTANT Please read the following before starting the device.

Verify that all accessories are linked to the ground lug and connected to the to the control system.

A minimum flow of 68 LPM (18 GPM) is required. Make sure that all valves are open in the spa plumbing and that the water flow is sufficient between the main pump and the water heater.

Turn on the breaker.



IN.FLO DRY-FIRE PROTECTION

At start up, the in.flo's detector verifies the water flow according to the following sequence:

The Pump 1 or the circulation pump runs for a period of 2 to 5 minutes.

The display will show "- - -" during the flow verification. After this time, the system confirms if flow is adequate or not.

If the flow is sufficient, the temperature of the water is displayed on the keypad screen. When the water has reached the consigned temperature plus 0.45°C (0.8°F), the water heater turns off.

COMMON HARDWARE ISSUES

Problem	Usual Cause	Solution
System not operating	– House circuit breaker tripped or in OFF position	– Reset circuit breaker on house breaker panel
Heater not operating	– Water level too low – Heater mode not selected – No power to heater – Heater not operating – Jets are closed	– Add water to reach 6" (15.5 cm) below top lip of spa – Open all jets – Refer to temperature/heater functioning – Check house circuit breaker – Contact dealer
Water not clean	– Clogged or blocked floor suction or skimmer – Filter clogged (dirty) – Poor water chemistry – Insufficient filtering time – Improper maintenance – High content of solids in water	– Clean floor suction/skimmer – Remove blockage – Clean or replace – See Maintenance section – Run filtration mode longer – Contact dealer – Use clarifier or drain and refill spa
Abnormal water usage	– Excessive evaporation and/or splashing	– Use spa cover and refill as necessary
Overheating	– High ambient temperature	– Contact dealer
Low water flow from jets	– Operating in FILTER mode-low speed – Clogged or blocked suction or skimmer – Dirty filter – Jets in OFF position – Slice valves closed	– Select hi-speed jets – Clean floor suction/skimmer – Remove blockage – Clean or replace – Open jets – Contact dealer
Noisy pump and motor	– Clogged floor suction or skimmer – Low water level – Damaged or worn motor bearings	– Clean floor suction/skimmer – Add water to normal water level (6" or 15.5 cm below lip) – Contact dealer
No water flow from jets	– Pump not primed – Adjustable jets turned off – House circuit breaker tripped, no power to system – Faulty pump or motor – Pump surges – Slice valves closed	– See Priming section – Turn on jets – Reset circuit breaker at house panel – Low water. Check level on Weir door – Contact dealer
Water leakage from under spa	– Check unions & drain hoses	– Close or tighten as necessary
No air flow from jets	– Air control not open – Jet nozzle not seated properly – Jet nozzle missing	– Open control – Check jet nozzles – Inspect jets and replace as needed
Motor will not operate	– House circuit breaker tripped or in OFF position – Improper or defective wiring or electrical supply – Thermal Overload Protection switch tripped	– Reset circuit breaker – Contact dealer – Auto reset after motor ha cooled. Contact dealer if motor continues to cycle
The spa will not shut off	– Spa trying to heat – Spa is in filter cycle	– Check Set Temperature – Check Filter Times

MAR1369

CE

Version: 25.03_v1