

USER MANUAL FOR SPA

CITYLIFE

/ 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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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 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 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

Children under 14 years of age can only use and operate the products mounted with hydromassage system under adult 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. (MyMusic pin:2288)

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 3 sizes of jets; the 5" and 3" jets have two types: directional and rotational. The 2" jets are only directional. To open the jet face is turned clockwise. To lessen the pressure or to close, the jet face is turned counter-clockwise

Aroma therapy: You can stimulate your senses with different aromas. You can get aroma into the water if you push the button on the top of the tank. you can block the button if you turn it.

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



Speakers



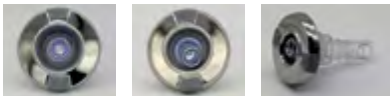
Filter house



Fountain



Jet (5"-direct, rotational; 3"-direct, rotational; 2"-direct)



Suction







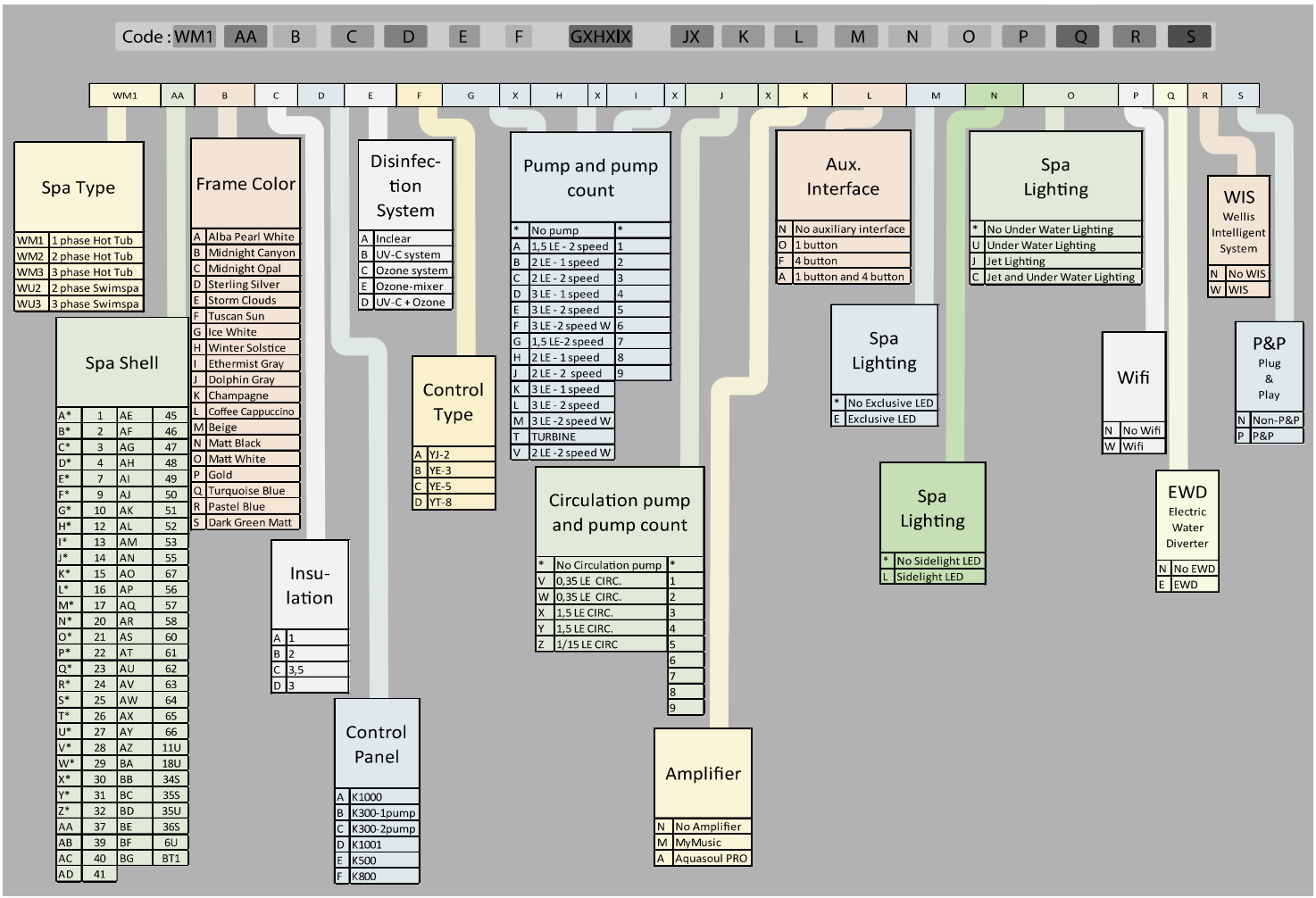


Instructions for Reading the Code on the Data Card:

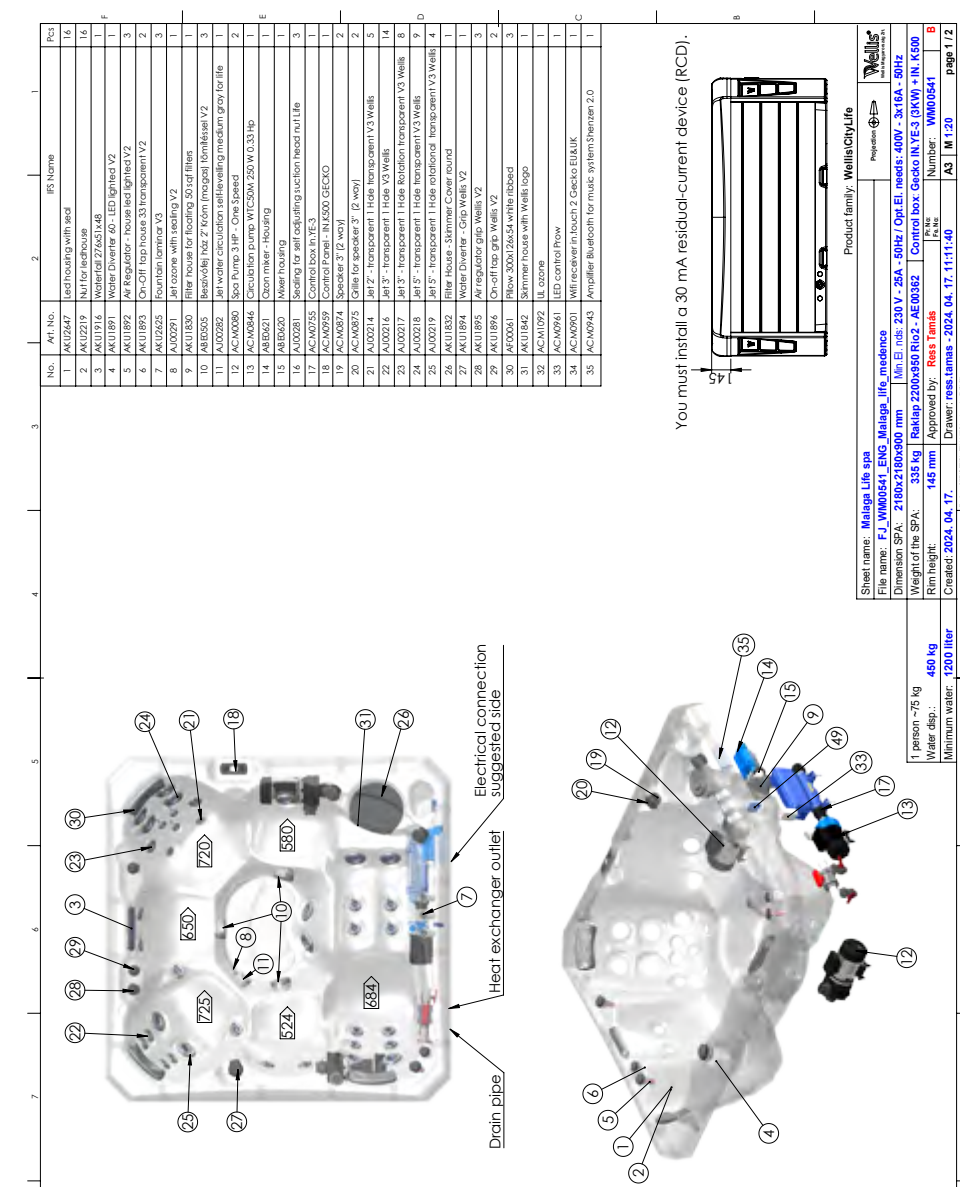
Locate the data card on your spa, usually situated beneath the side panel, typically on the same side as the control panel. Utilize the table provided on the following page to decipher the internal code to determinte the spa specification.

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~


Code : WM1 AA B C D E F GXHXIX JX K L M N O P Q R S
WM1 AA B C D E F G X H X I X J X K L M N O P Q R S
Spa Type
WM1 1 phase Hot Tub
WM2 2 phase Hot Tub
WM3 3 phase Hot Tub
WU2 2 phase Swimspa
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 61
Q* 23 AU 62
R* 24 AV 63
S* 25 AW 64
T* 26 AX 65
U* 27 AY 66
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 BT1
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
I Ethermist Gray
J Dolphin Gray
K Champagne
L Coffee Cappuccino
M Beige
N Matt Black
O Matt White
P Gold
Q Turquoise Blue
R Pastel Blue
S Dark Green Matt
Insu-lation
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
Disinfec-tion System
A Inclear
B UV-C system
C Ozone system
E Ozone-mixer
D UV-C + Ozone
Control Type
A YJ-2
B YE-3
C YE-5
D YT-8
Pump and pump count
* No pump *
A 1,5 LE - 2 speed 1
B 2 LE - 1 speed 2
C 2 LE - 2 speed 3
D 3 LE - 1 speed 4
E 3 LE - 2 speed 5
F 3 LE -2 speed W 6
G 1,5 LE-2 speed 7
H 2 LE - 1 speed 8
J 2 LE - 2 speed 9
K 3 LE - 1 speed
L 3 LE - 2 speed
M 3 LE -2 speed W
T TURBINE
V 2 LE -2 speed W
Circulation pump and pump count
* No Circulation pump *
V 0,35 LE CIRC. 1
W 0,35 LE CIRC. 2
X 1,5 LE CIRC. 3
Y 1,5 LE CIRC. 4
Z 1/15 LE CIRC 5
6
7
8
9
Amplifier
N No Amplifier
M MyMusic
A Aquasoul PRO
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

MALAGA LIFE



No.	Art. No.	IFS Name	Pcs
1	AKU2647	Led housing with seal	16
2	AKU2219	Nut for led house	16
3	AKU1916	Waterfall 276x51x48	1
4	AKU1891	Water Diverter 60 - LED lighted V2	1
5	AKU1892	Air Regulator - house led lighted V2	3
6	AKU1893	On-Off tap house 33 transparent V2	2
7	AKU2625	Fountain laminar V3	3
8	AJO0291	Jet ozone with sealing V2	1
9	AKU1830	Filter house for floating 50 cpf filters	1
10	ABE0505	Bestvidej hlz 2" Krom (magnet) 16mMésel V2	3
11	AJO0282	Jet water circulation self-levelling medium gray for life	1
12	ACW0060	Spa Pump 3 HP - One Speed	2
13	ACW0846	Circulation pump WTC50M 250 W 0,33 Hp	1
14	ABE0621	Ozon mixer - Housing	1
15	ABE0620	Mixer housing	1
16	AJO0281	Sealing for self adjusting suction head nut Life	3
17	ACW0755	Control box in YE-3	1
18	ACW0959	Control Panel - IN.K500 GECKO	1
19	ACW0874	Speaker 3" (2 way)	2
20	ACW0875	Grille for speaker 3" (2 way)	2
21	AJO0214	Jet 2" - transparent 1 Hole transparent V3 Wellis	5
22	AJO0216	Jet 3" - transparent 1 Hole V3 Wellis	14
23	AJO0217	Jet 3" - transparent 1 Hole Rotation transparent V3 Wellis	8
24	AJO0218	Jet 5" - transparent 1 Hole transparent V3 Wellis	9
25	AJO0219	Jet 5" - transparent 1 Hole rotational transparent V3 Wellis	4
26	AKU1832	Filter House - Skimmer Cover round	1
27	AKU1894	Water Diverter - Grip Wellis V2	1
28	AKU1895	Air regulator grip Wellis V2	3
29	AKU1896	On-off tap grip Wellis V2	2
30	AFO0061	Pillow 300x126x54 white ribbed	3
31	AKU1842	Skimmer house with Wellis logo	1
32	ACW1092	UL ozone	1
33	ACW0961	LED control Prow	1
34	ACW0901	Wifi receiver in.touch 2 Gecko EU&UK	1
35	ACW0943	Amplifier Bluetooth for music system Shenzen 2.0	1

Sheet name: **Malaga Life spa**
File name: **FJ_WM00541_ENG_Malaga_life_medence**
Dimension SPA: **2180x2180x900 mm** | Min.El. nds: **230 V - 25A - 50Hz / Opt.El. needs: 400V - 3x16A - 50Hz**
Weight of the SPA: **335 kg** | **Raktap 2200x950 Rio2 - AE00362** | **Control box Gecko IN.YE-3 (3KW) + IN. K500**
Rim height: **145 mm** | Approved by: **Ross Tamás** | Pc No. / Pc No. | Number: **WM00541** | **B**
Created: **2024. 04. 17.** | Drawer: **ross.tamas - 2024. 04. 17. 11:11:40** | **A3** | **M 1:20** | **page 1 / 2**

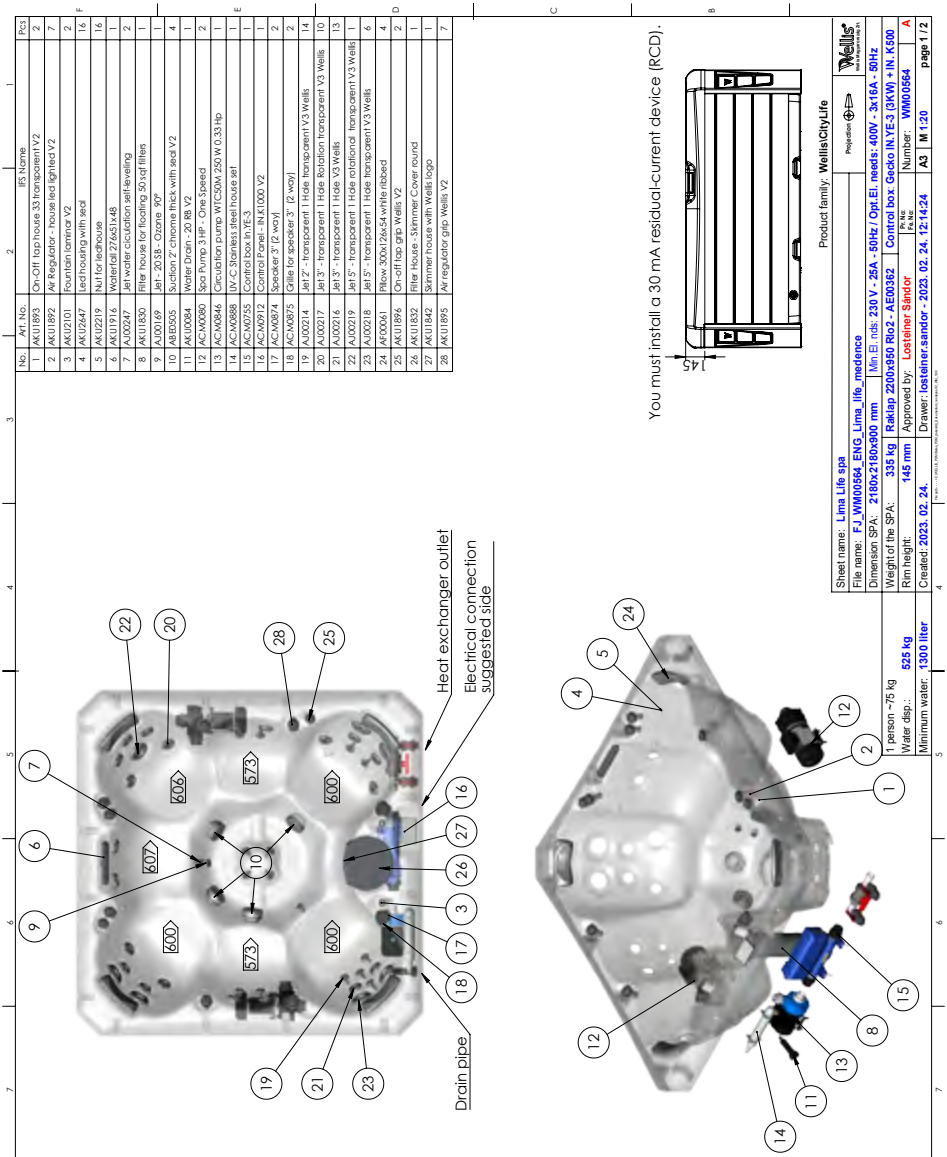
Product family: **WellisCityLife**

Projection

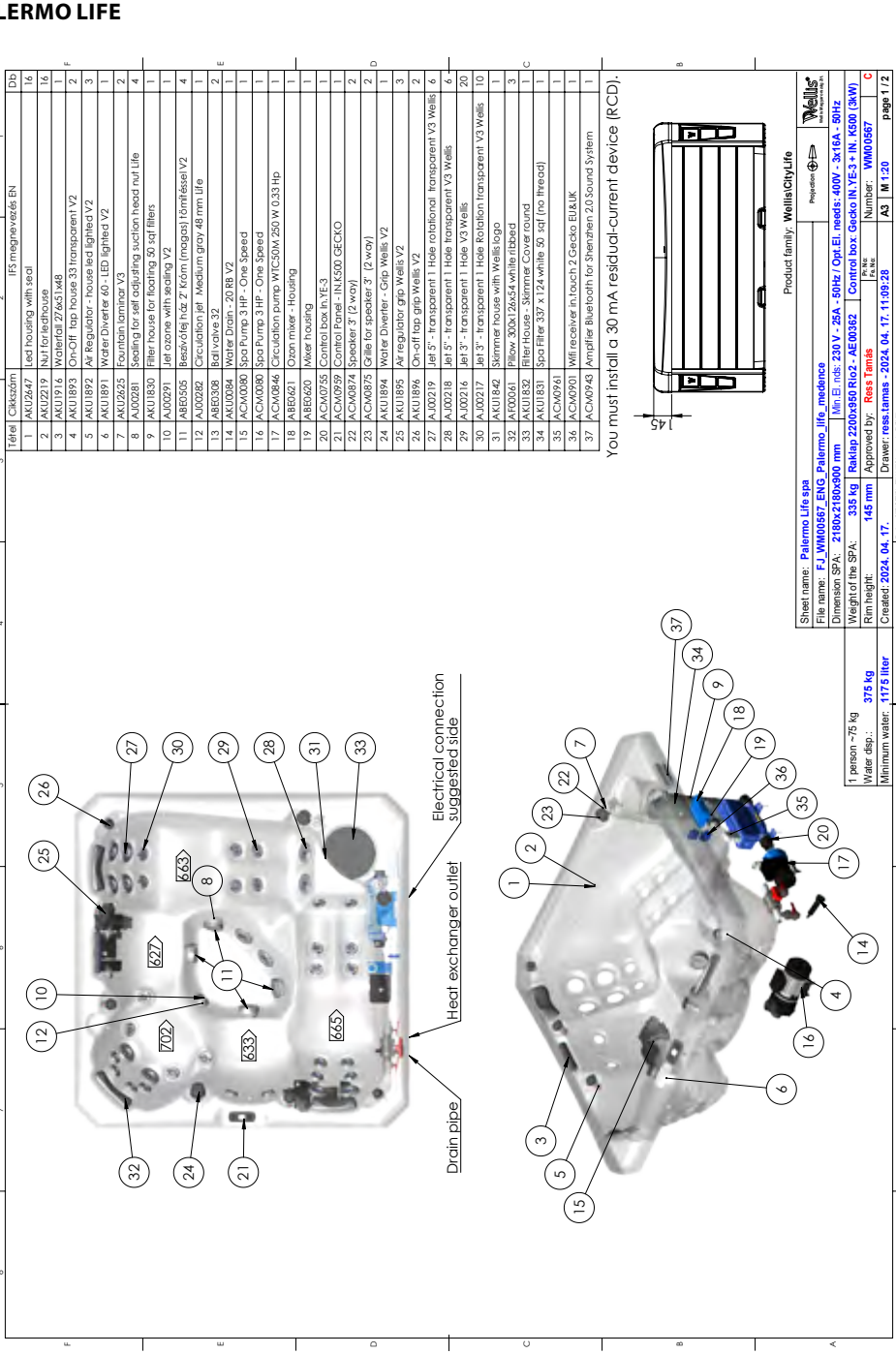
1 person ~75 kg	**450 kg**
Water disp.:	
Minimum water:	**1200 liter**

CONNECTION DIAGRAM

LIMA LIFE

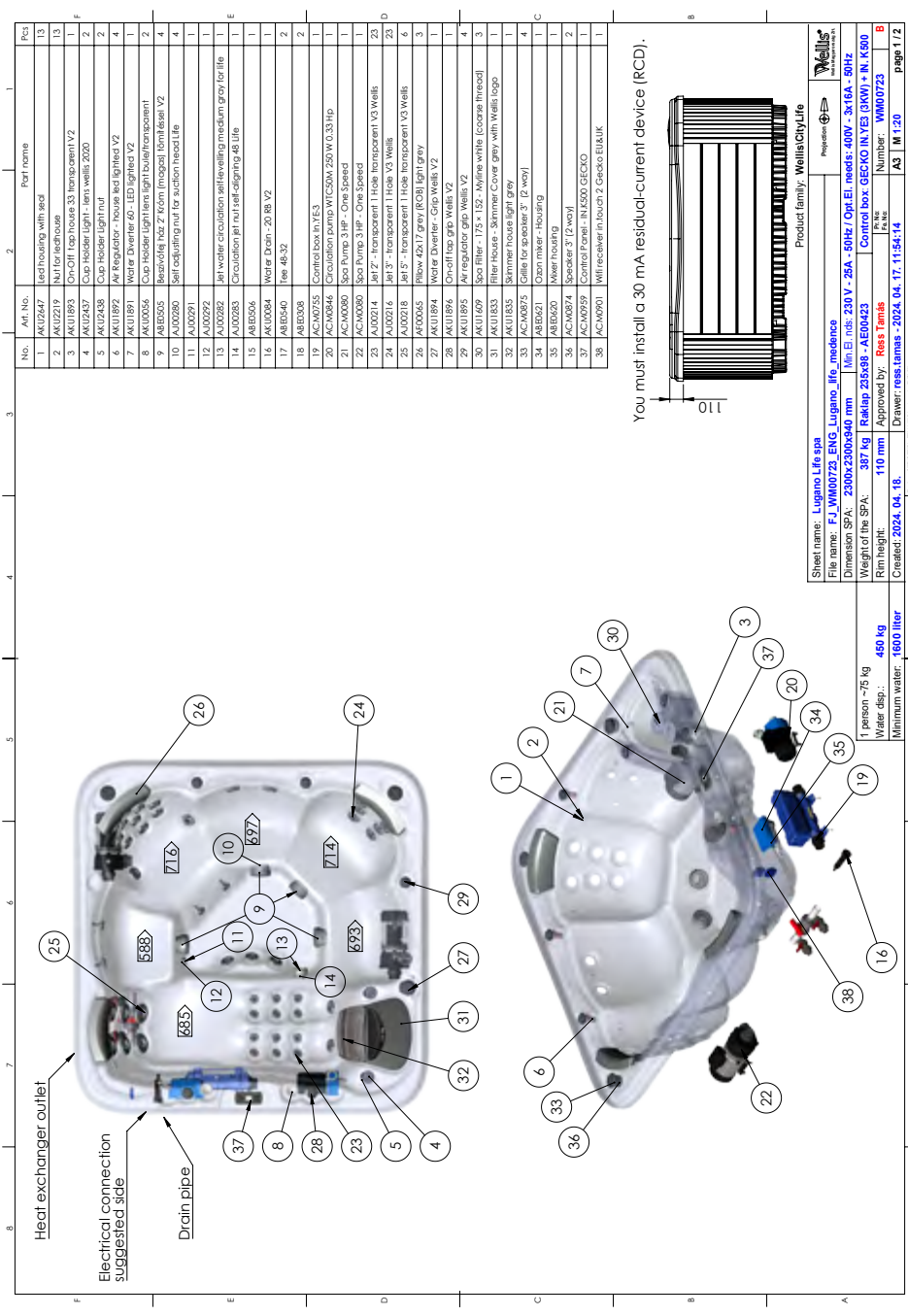


PALERMO LIFE



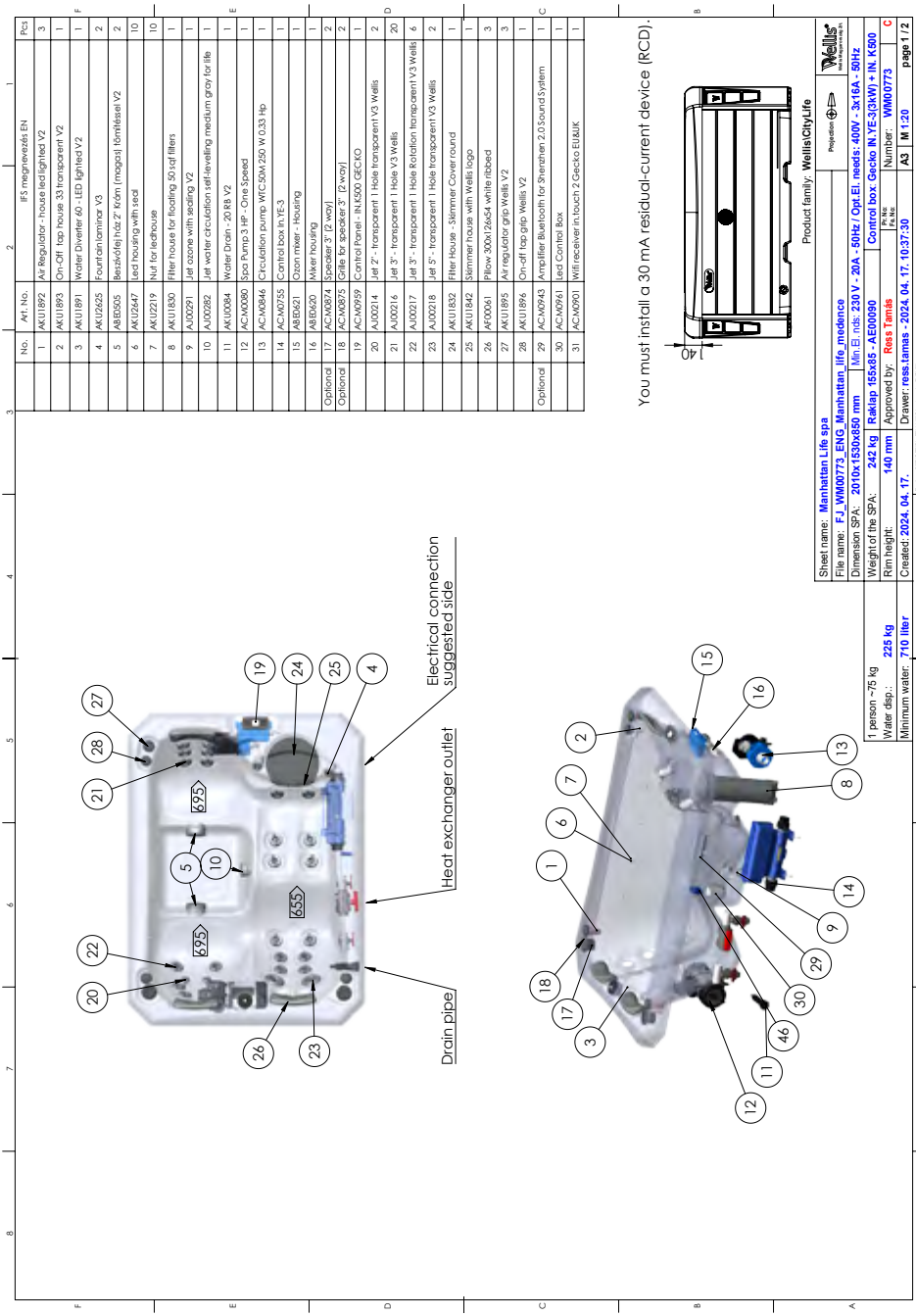
Tétel	Cikkszám	IFS megnevezés EN	Db
1	AKU2647	Led housing with seal	16
2	AKU2219	Nut for led-house	16
3	AKU1916	Waterfall 276x51x48	1
4	AKU1893	On-Off tap house 33 transparent V2	2
5	AKU1892	Air Regulator - house led lighted V2	3
6	AKU1891	Water Diverter 60 - LED lighted V2	1
7	AKU2625	Fountain laminar V3	2
8	AJ00281	Sealing for self adjusting suction head nut Life	4
9	AKU1830	Filter house for floating 50 sqf filters	1
10	AJ00291	Jet ozone with sealing V2	1
11	ABE0505	Beszívófej ház 2" Króm (magasi) fúmítéssel V2	4
12	AJ00282	Circulation jet Medium gray 48 mm Life	1
13	ABE0308	Ball valve 32	2
14	AKU0084	Water Drain - 20 RB V2	1
15	ACW0080	Spa Pump 3 HP - One Speed	1
16	ACW0080	Spa Pump 3 HP - One Speed	1
17	ACW0846	Circulation pump WTC50M 250 W 0,33 Hp	1
18	ABE0621	Ozon mixer - Housing	1
19	ABE0620	Mixer housing	1
20	ACW0755	Control box In.YE-3	1
21	ACW0959	Control Panel - IN.K500 GECKO	1
22	ACW0874	Speaker 3" (2 way)	2
23	ACW0875	Grille for speaker 3" (2 way)	2
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25	AKU1895	Air regulator grip Wellis V2	3
26	AKU1896	On-off tap grip Wellis V2	2
27	AJ00219	Jet 5" - transparent 1 Hole rotational transparent V3 Wellis	6
28	AJ00218	Jet 5" - transparent 1 Hole transparent V3 Wellis	6
29	AJ00216	Jet 3" - transparent 1 Hole V3 Wellis	20
30	AJ00217	Jet 3" - transparent 1 Hole Rotation transparent V3 Wellis	10
31	AKU1842	Skimmer house with Wellis logo	1
32	AF00061	Pillow 300x126x54 white ribbed	3
33	AKU1832	Filter House - Skimmer Cover round	1
34	AKU1831	Spa Filter 337 x 124 white 50 sqf (no thread)	1
35	ACW0961		1
36	ACW0901	Wifi receiver in.touch 2 Gecko EU&UK	1
37	ACW0943	Amplifier Bluetooth for Shenzhen 2.0 Sound System	1

LUGANO LIFE



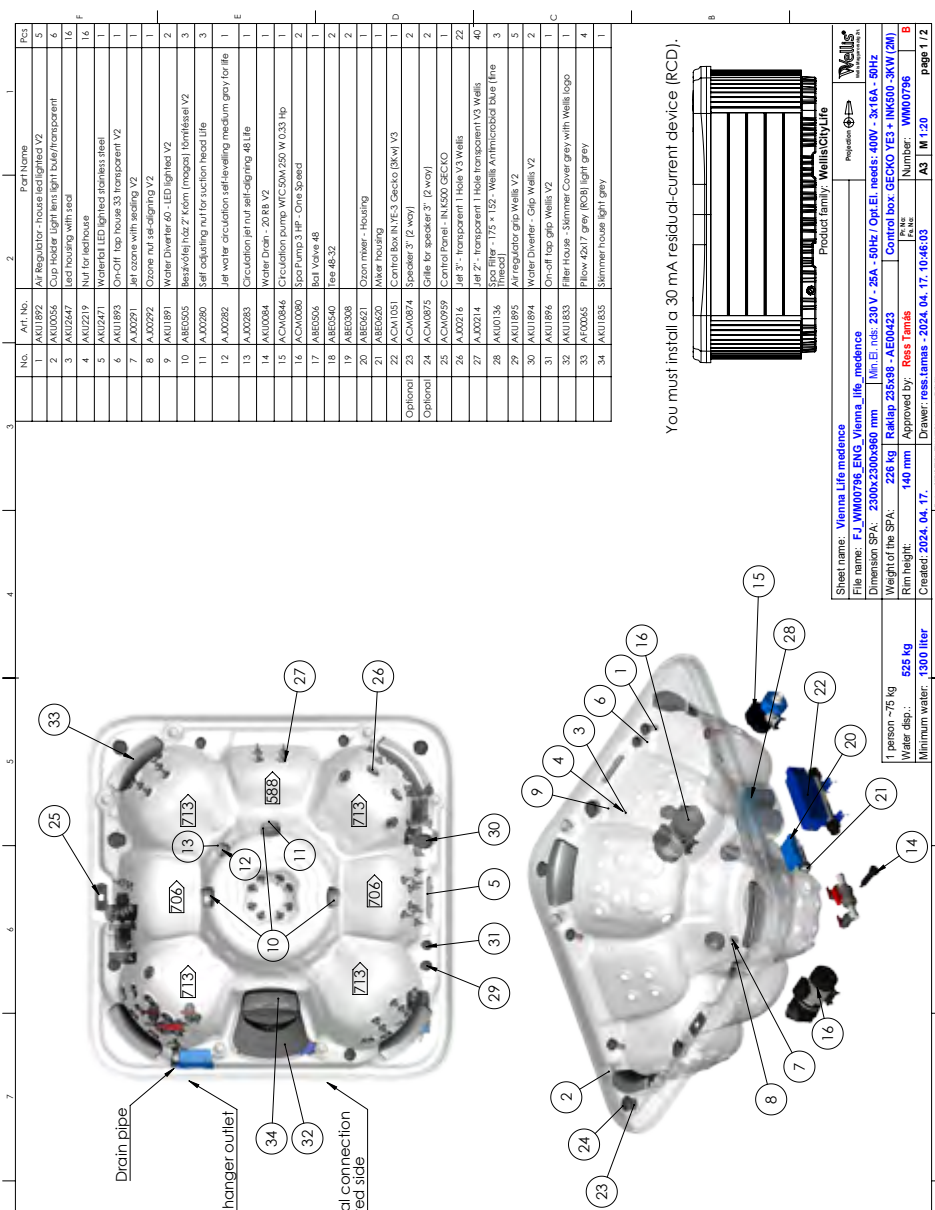
No.	Art. No.	Part name	Pcs
1	AKU2647	Led housing with seal	13
2	AKU2219	Nut for led house	13
3	AKU1893	On-Off tap house 33 transparent V2	1
4	AKU2437	Cup Holder Light - lens wellis 2020	2
5	AKU2438	Cup Holder Light nut	2
6	AKU1892	Air Regulator - house led lighted V2	4
7	AKU1891	Water Diverter 60 - LED lighted V2	1
8	AKU0056	Cup Holder Light lens light blue/transparent	2
9	ABE505	Beépítőfej hós 2" Ø45mm (magas) 10mlifesen V2	4
10	AJ00280	Self adjusting nut for suction head Life	4
11	AJ00291		1
12	AJ00292		1
13	AJ00282	Jet water circulation self-levelling medium gray for life	1
14	AJ00283	Circulation jet nut self-aligning 48 Life	1
15	ABE506		1
16	AKU0084	Water Drain - 20.88 V2	1
17	ABE540	Tee 48-32	2
18	ABE508		2
19	ACM0755	Control box in YE3	1
20	ACM0846	Circulation pump WTC50M 250 W 0.33 Hp	1
21	ACM0080	Spa Pump 3 HP - One Speed	1
22	ACM0080	Spa Pump 3 HP - One Speed	1
23	AJ00214	Jet 2" - transparent 1 Hole transparent V3 Wellis	23
24	AJ00216	Jet 3" - transparent 1 Hole V3 Wellis	23
25	AJ00218	Jet 5" - transparent 1 Hole transparent V3 Wellis	6
26	AF00065	Pillow 42x17 grey (RGB) light grey	3
27	AKU1894	Water Diverter - Grip Wellis V2	1
28	AKU1896	On-off tap grip Wellis V2	1
29	AKU1895	Air regulator grip Wellis V2	4
30	AKU1609	Spa filter - 175 x 152 - Mylline white (coarse thread)	3
31	AKU1833	Filter House - Skimmer Cover grey with Wellis logo	1
32	AKU1835	Skimmer house light grey	1
33	ACM0875	Grille for speaker 3" (2 way)	4
34	ABE0621	Clean mixer - Housing	1
35	ABE620	Mixer housing	1
36	ACM0874	Speaker 3" (2 way)	2
37	ACM0959	Control Panel - IN K500 GECKO	1
38	ACM0901	Wifi receiver in touch 2 Gecko EU&UK	1

MANHATTAN LIFE



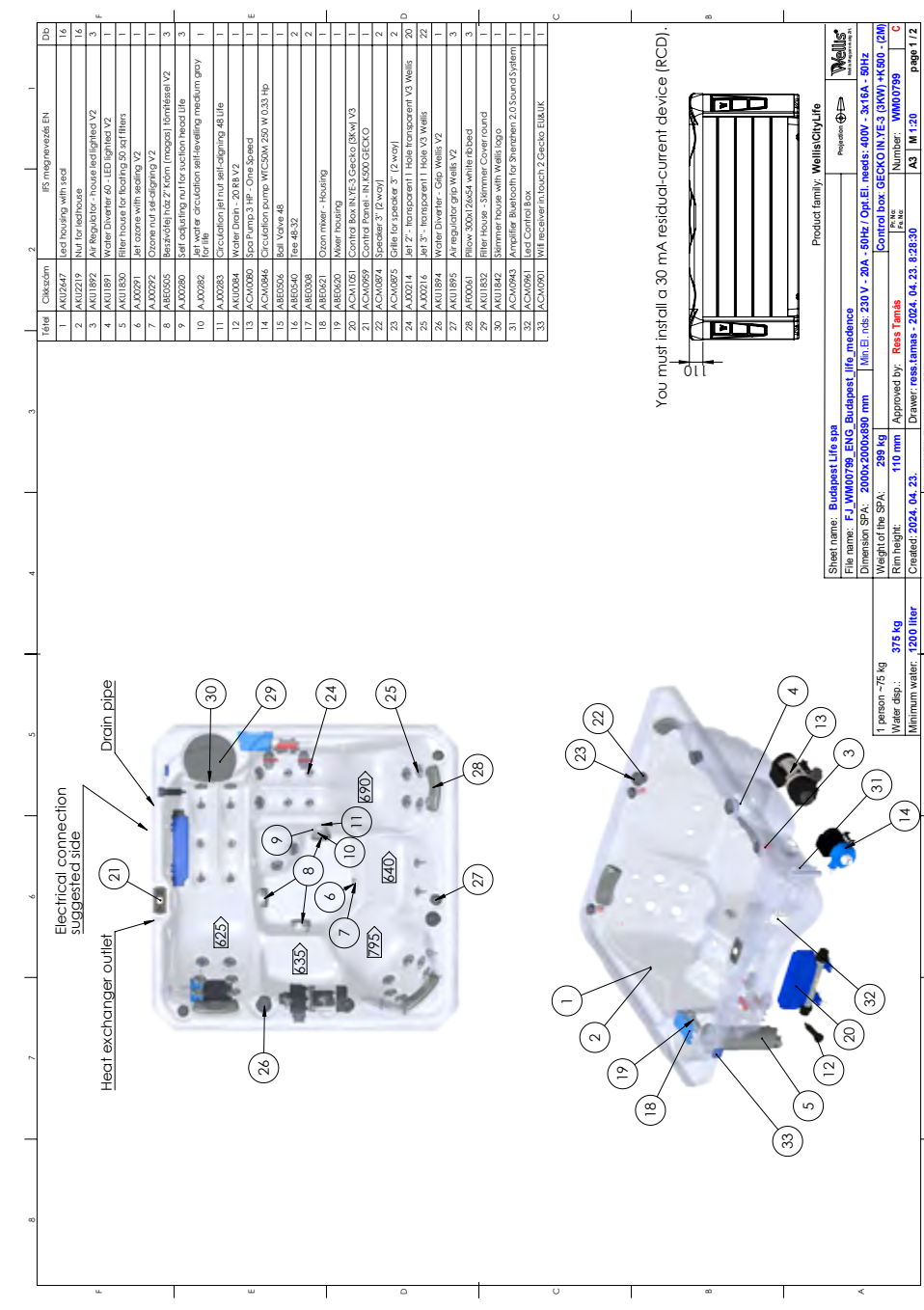
CONNECTION DIAGRAM

VIENNA LIFE



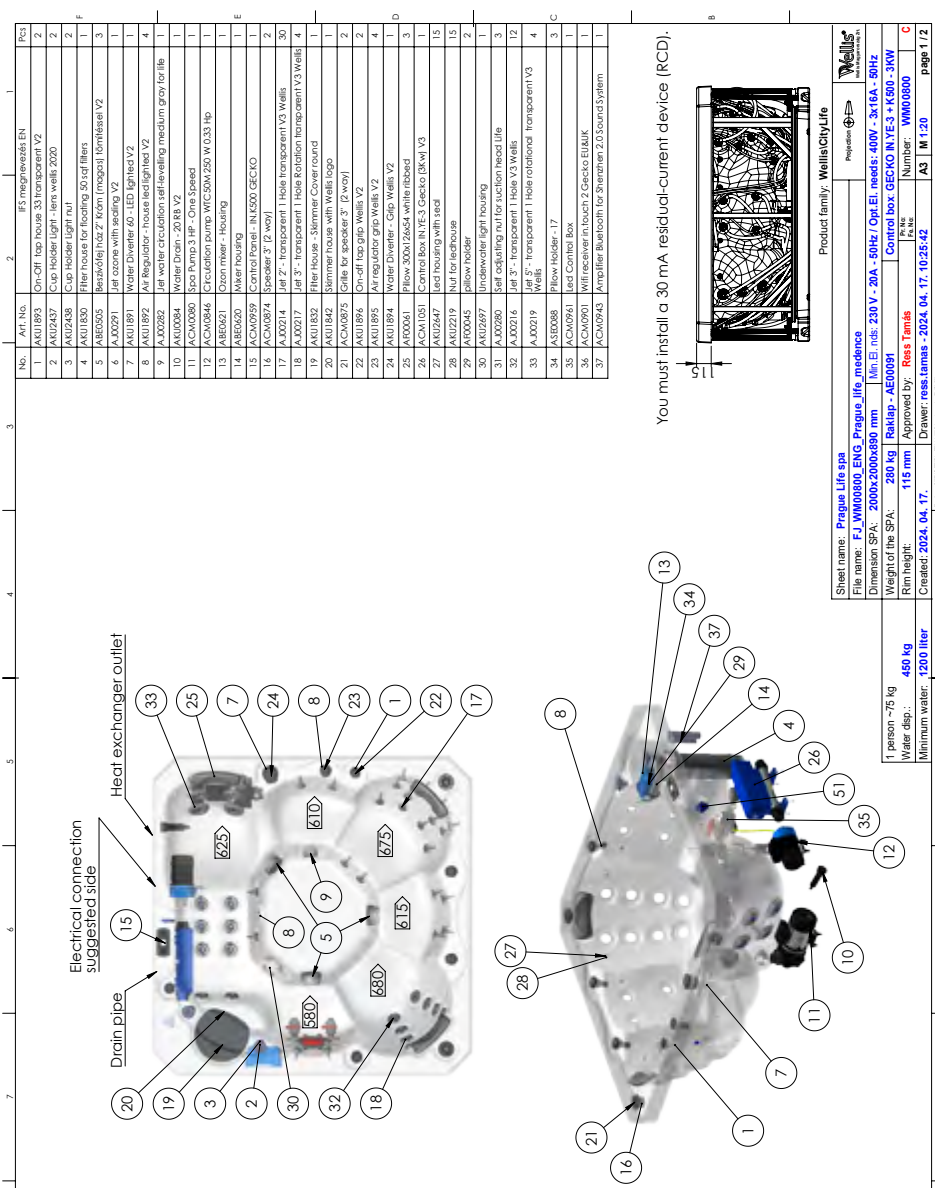
No.	Art. No.	Part Name	Pcs
1	AKU1892	Air Regulator - house led lighted V2	5
2	AKU0056	Cup Holder Light lens, light bulb/transparent	6
3	AKU2647	Led housing with seal	16
4	AKU2219	Nut for led house	16
5	AKU2471	Waterfall LED lighted stainless steel	1
6	AKU1893	On-Off tap house 33 transparent V2	1
7	AJ00291	Jet ozone with sealing V2	1
8	AJ00292	Ozone nut - self-aligning V2	1
9	AKU1891	Water Diverter 60 - LED lighted V2	2
10	ABE0505	Beszívórej ház 2" króm (magas) 16mélésel V2	3
11	AJ00280	Self adjusting nut for suction head Life	3
12	AJ00282	Jet water circulation self-levelling medium grey for life	1
13	AJ00283	Circulation jet nut self-aligning 48 Life	1
14	AKU0084	Water Drain - 20 RB V2	1
15	ACM0846	Circulation pump WTC50M 250 W 0,33 Hp	1
16	ACM0080	Spa Pump 3 HP - One Speed	2
17	ABE0506	Ball Valve 48	1
18	ABE0540	Tee 48-32	2
19	ABE0308		2
20	ABE0621	Ozon mixer - Housing	1
21	ABE0620	Mixer housing	1
22	ACM1051	Control Box IN.YE-3 Gecko (3Kw) V3	1
Optional	23	ACM0874	Speaker 3" (2 way)	2
Optional	24	ACM0875	Grille for speaker 3" (2 way)	2
	25	ACM0959	Control Panel - IN.K500 GECKO	1
	26	AJ00216	Jet 3" - transparent 1 Hole V3 Wellis	22
	27	AJ00214	Jet 2" - transparent 1 Hole transparent V3 Wellis	40
	28	AKU0136	Spa Filter - 175 x 152 - Wellis Antimicrobial Blue (fine filtration)	3
	29	AKU1895	Air regulator grip Wellis V2	5
	30	AKU1894	Water Diverter - Grip Wellis V2	2
	31	AKU1896	On-off tap grip Wellis V2	1
	32	AKU1833	Filter House - Skimmer Cover grey with Wellis logo	1
	33	AFOD45	Pillow 42x17 grey (RGB) light grey	4
	34	AKU1835	Skimmer house light grey	1

BUDAPEST LIFE



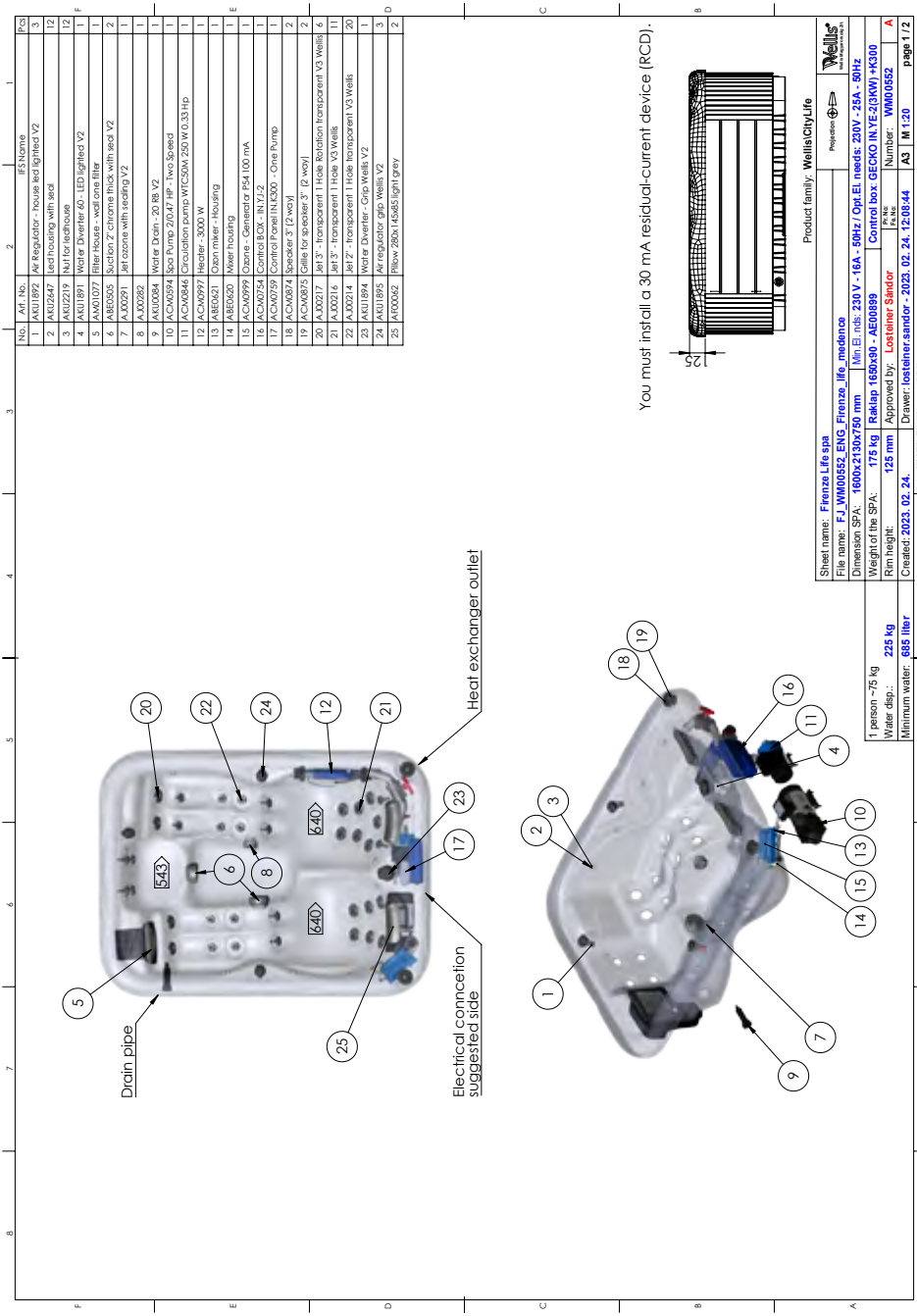
Tétel	Cikkszám	Jelölés	Db
1	A.K02647	Led housing with seal	16
2	A.K02219	Nut for ledhouse	16
3	A.K01892	Air Regulator - house led lighted V2	3
4	A.K01891	Water Diverter 60 - LED lighted V2	1
5	A.K01830	Filter house for floating 50 sqf filters	1
6	A.K00291	Jet ozone with sealing V2	1
7	A.K00292	Ozone nut self-aligning V2	1
8	A.E05505	Bestvoteq h.dz 2" Kdm. (mopps) lömítéssel V2	3
9	A.K00280	Self adjusting nut for suction head Life	3
10	A.K00282	Jet holder circulation self-levelling medium grey for life	1
11	A.K00283	Circulation jet nut self-aligning 48 Life	1
12	A.K00284	Water Drain - 20 RB V2	1
13	A.CM.K0060	Spot Pump 3 HP - One Speed	1
14	A.CM.K0846	Circulation pump WTC30M 230 W 0.33 Hp	1
15	A.E05506	Ball Valve 48	1
16	A.E05540	Tee 48-32	2
17	A.E05508		2
18	A.E06621	Ozon mixer - Housing	1
19	A.E06620	Mixer housing	1
20	A.CM.1051	Control Box IN.YE-3 Gecko (3kw) V3	1
21	A.CM.0959	Control Panel - IN.K500 GECKO	1
22	A.CM.0874	Speaker 3" (2 way)	2
23	A.CM.0875	Grille for speaker 3" (2 way)	2
24	A.K00214	Jet 2" - transparent 1 Hole transparent V3 Wellis	20
25	A.K00216	Jet 3" - transparent 1 Hole V3 Wellis	22
26	A.K01894	Water Diverter - Grip Wellis V2	1
27	A.K01895	Air regulator grip Wellis V2	3
28	A.K00061	Pillow 300x126x54 white ribbed	3
29	A.K01832	Filter house - Skimmer Cover round	1
30	A.K01842	Skimmer house with Wellis logo	1
31	A.CM.0943	Amplifier Bluetooth for Shenzhen 2.0 Sound system	1
32	A.CM.0961	Led Control Box	1
33	A.CM.0901	Wifi receiver in touch 2 Gecko EU&UK	1

PRAGUE LIFE



No.	Art. No.	IFS megnevezés EN	Pcs
1	AKU1893	On-Off, top house 33 transparent V2	2
2	AKU2437	Cup Holder Light - lens wellis 2020	2
3	AKU2438	Cup Holder Light nut	2
4	AKU1830	Filter house for floating SO-caf filters	1
5	ABE0505	Beszkötés) hoz 2" külön (magos) tömítéssel V2	3
6	A.000291	Jet ozone with sealing V2	1
7	AKU1891	Water Diverter 60 - LED lighted V2	1
8	AKU1892	Air Regulator - house led lighted V2	4
9	A.000282	Jet water circulation self-levelling medium gray for life	1
10	AKU0084	Water Drain - 20 R& V2	1
11	ACM0080	Spa Pump 3 HP - One Speed	1
12	ACM0846	Circulation pump WFC50M 250 W 0,33 Hp	1
13	ABE0621	Ozon mixer - Housing	1
14	ABE0620	Mixer housing	1
15	ACM0959	Control Panel - INK500 GECKO	1
16	ACM0874	Speaker 3" (2 way)	2
17	A.000214	Jet 2" - transparent 1 Hole transparent V3 Wellis	30
18	A.000217	Jet 3" - transparent 1 Hole Rotation transparent V3 Wellis	4
19	AKU1832	Filter House - Skimmer Cover round	1
20	AKU1842	Skimmer house with Wells logo	1
21	ACM0875	Grille for speaker 3" (2 way)	2
22	AKU1896	On-off top grip Wellis V2	2
23	AKU1895	Air regulator grip Wellis V2	4
24	AKU1894	Water Diverter - Grip Wellis V2	1
25	AF00061	Pillow 300x126x54 white ribbed	3
26	ACM1051	Control Box IN.YE-3 Gecko (2K wi) V3	1
27	AKU2447	Led housing with seal	15
28	AKU2219	Nut for ledhouse	15
29	AF00045	pillow holder	2
30	AKU2697	Underwater light housing	1
31	A.000280	Self adiusting nut for suction head Life	3
32	A.000216	Jet 3" - transparent 1 Hole V3 Wellis	12
33	A.000219	Jet 5" - transparent 1 Hole rotational transparent V3 Wellis	4
34	ASE0088	Pillow Holder - 17	3
35	ACM0961	Led Control Box	1
36	ACM0901	Wifi receiver in touch 2 Gecko ELIAUK	1
37	ACM0943	Amplifier Bluetooth for Stereotherm 2.0 Sound System	1

FIRENZE LIFE



No.	Art. No.	IFS Name	Pcs
1	AKU1892	Air Regulator - house led lighted V2	3
2	AKU2647	Led housing with seal	12
3	AKU2219	Nut for led house	12
4	AKU1891	Water Diverter 60 - LED lighted V2	1
5	AWX1077	Filter House - wall one filter	1
6	ABE0505	Suction 2' chrome thick with seal V2	2
7	A.X00291	Jet ozone with sealing V2	11
8	A.X00282		1
9	AKU0084	Water Drain - 20 RB V2	1
10	ACM0594	Spa Pump 2/0.47 HP - Two Speed	1
11	ACM0846	Circulation pump WTC50M 250 W 0.33 Hp	1
12	ACM0997	Heater - 3000 W	1
13	ABE0621	Clean mixer - Housing	1
14	ABE0620	Mixer housing	1
15	ACM0999	Ozone - Generator PS4 100 mA	1
16	ACM0754	Control BOX - IN1/1-2	1
17	ACM0759	Control Panel IN1000 - One Pump	1
18	ACM0874	Speaker 3' (2 way)	2
19	ACM0875	Grille for speaker 3" (2 way)	2
20	A.X00217	Jet 3" - transparent 1 Hole Rotation transparent V3 Wellis	6
21	A.X00216	Jet 3" - transparent 1 Hole V3 Wellis	11
22	A.X00214	Jet 2" - transparent 1 Hole transparent V3 Wellis	20
23	AKU1894	Water Diverter - Grip Wellis V2	1
24	AKU1895	Air regulator grip Wellis V2	3
25	A.X00062	Pillow 280x145x85 light grey	2

Sheet name: Firenze Life spa
File name: FJ_WM00552_ENG_Firenze_life_medence
Dimension SPA: 1600x2130x750 mm | Min.El. nds: 230 V - 16A - 50Hz / Opt.El. needs: 230V - 25A - 50Hz
Weight of the SPA: 175 kg | Raktap 165b-90 - AE00899 | Control box: GECKO IN YE-2(3KW) +K300
Rim height: 125 mm | Approved by: Losteiner Sándor | Pk.No. / Pk.No. | Number: WM00552 | A
Created: 2023. 02. 24. | Drawer: losteiner.sandor - 2023. 02. 24. 12:08:44 | A3 | M 1:20 | page 1 / 2
Product family: WellisCityLife
Projection
1 person ~75 kg
Water disp.: 225 kg
Minimum water: 685 liter

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)
WM00541	Malaga Life	min: 230V/1x35A/50Hz opt: 400V/3x22/50Hz	3000	1200	335	1535	323	2180 mm	2180 mm	900 mm	1x50
WM00564	Lima Life	min: 230V/1x25A/50Hz opt: 400V/3x16A/50Hz	3000	1300	335	1635	345	2180 mm	2180 mm	900 mm	1x50
WM00567	Palermo Life	min: 230V/1x35A/50Hz op.t: 400V/3x22/50Hz	3000	1175	335	1510	318	2180 mm	2180 mm	900 mm	1x50
WM00723	Lugano Life	min: 230V/1x35A/50Hz opt: 400V/3x22/50Hz	3000	1600	387	1987	376	2300 mm	2300 mm	940 mm	3x30
WM00773	Manhattan Life	1X32A/230V/50HZ min: 1x16 A/230V/50HZ	3000	280	560	840	274	2010 mm	1530 mm	850 mm	1x50
WM00796	Vienna Life	22A /35A - 230V/50HZ	3000	1300	226	1526	289	2300 mm	2300 mm	960 mm	1x50
WM00799	Budapest Life	min: 230V/1x22A/50Hz opt.: 230V/1x35A/50Hz	3000	1100	236	1336	334	2000 mm	2000 mm	890 mm	1x50
WM00800	Prague Life	min: 230V/1X16A/50Hz opt: 230V/1x25/50Hz	3000	1200	226	1426	357	2000 mm	2000 mm	900 mm	1x50
WM00552	Firenze Life	min: 230V/1X16A/50Hz opt: 230V/1x25/50Hz	3000	685	175	860	225	1600 mm	2130 mm	750 mm	1x50

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.

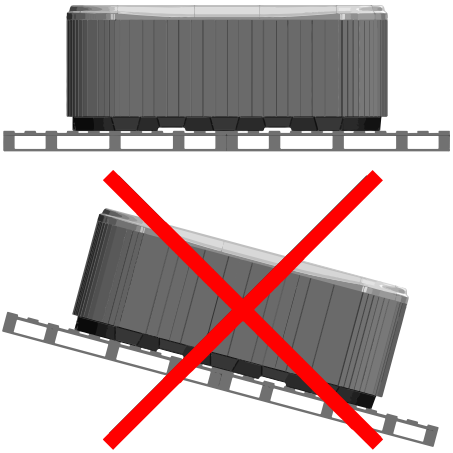
1. INDOOR/BASEMENT INSTALLATION

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.

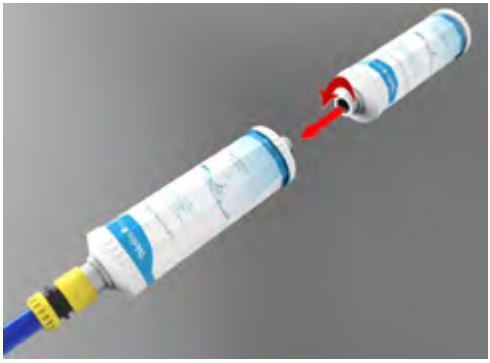
Through the clean filter fill up the spa with one third (1/3) of the total volume (e.g.: with 1000 litres of total volume 1/3 is 300 litres). It is important to follow the instructions of the filling for it is crutial to set the precise water hardness.



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.

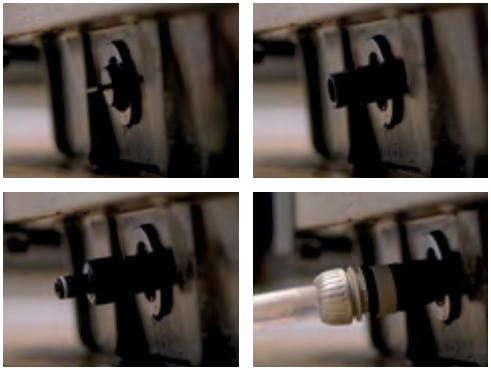
Never use an alkaline detergent or a high-pressure cleaner to clean the filter!



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.

JET DIRECTIONS

MALAGA LIFE









JET DIRECTIONS

LIMA LIFE











JET DIRECTIONS

PALERMO LIFE















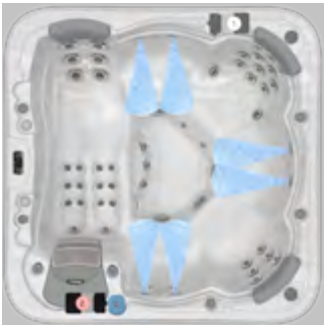
JET DIRECTIONS

LUGANO LIFE











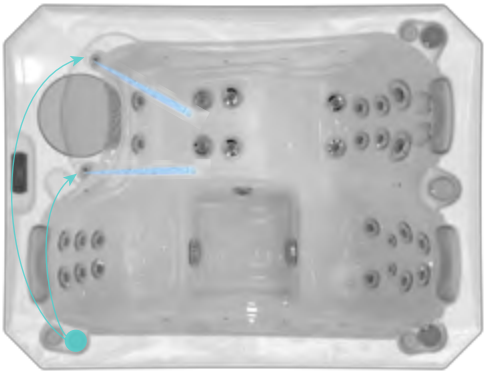


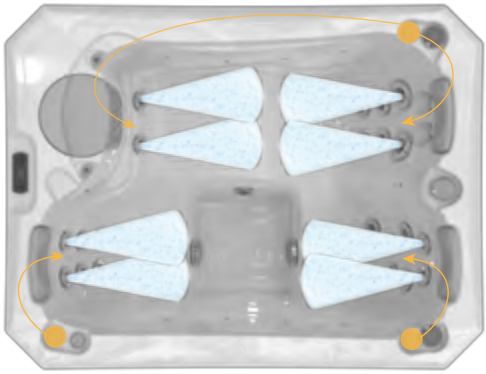


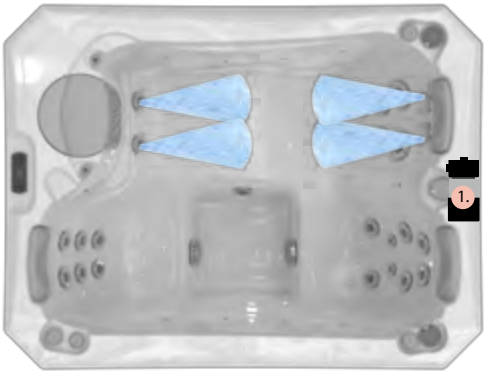


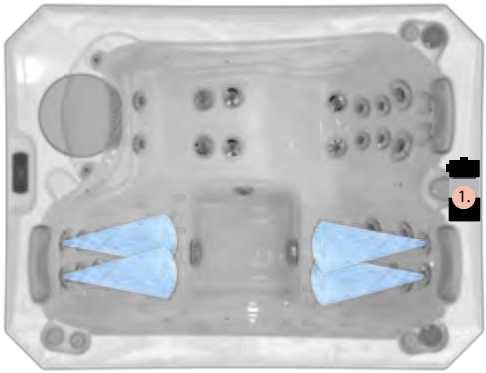
JET DIRECTIONS

MANHATTAN LIFE









JET DIRECTIONS

VIENNA LIFE

















JET DIRECTIONS

BUDAPEST LIFE



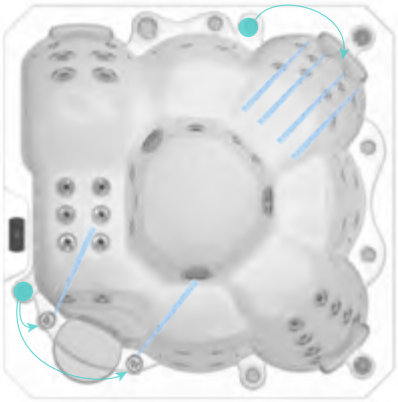


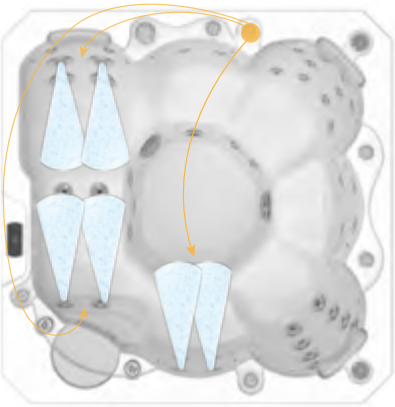




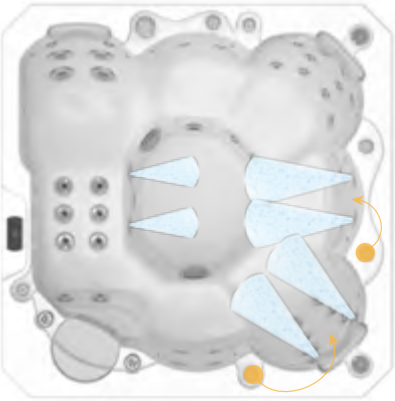
JET DIRECTIONS

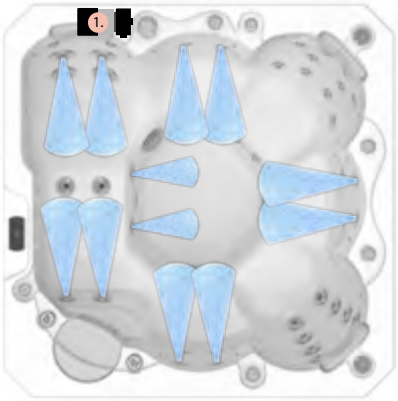
PRAGUE LIFE







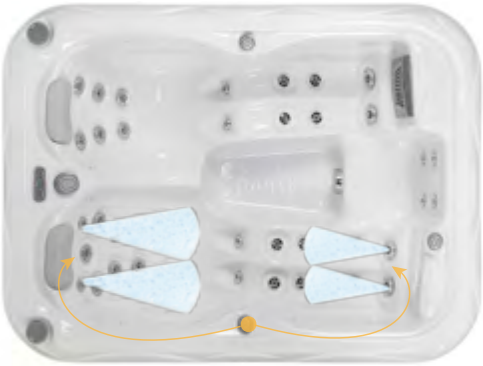


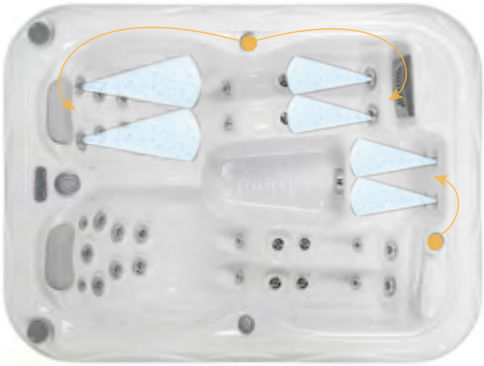




JET DIRECTIONS

FIRENZE LIFE



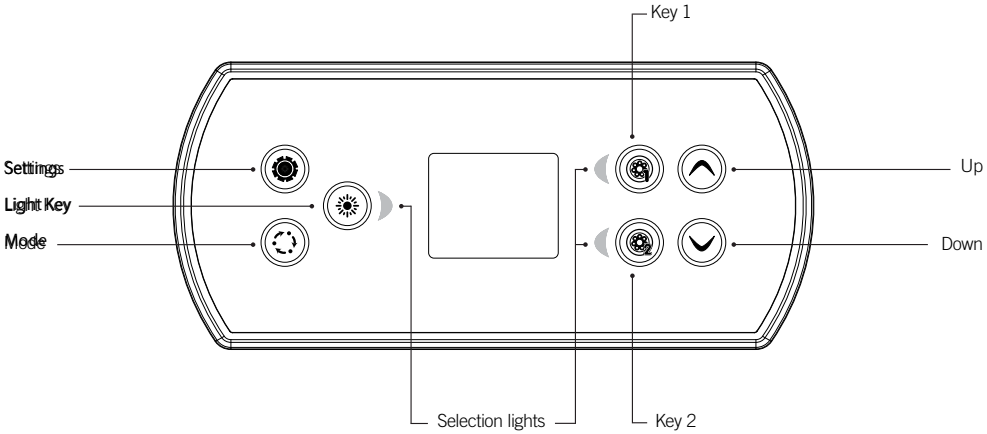






KEYPAD FUNCTIONS

In.k500 keypad layout



**Functions for keys 1 and 2 will depend on your system's low level configuration.*

Settings key

One press gives you access to a menu to manage the settings of your spa. Refer to the settings section for details about the settings menu.

Mode key

Successive presses on the Mode key will give access to control different optional accessories of your spa such as Audio and others. Note that if an accessory is not present in your spa configuration, its menu will not appear. Refer to the following section to get details about the possible accessories and their detailed functionalities. The screen will revert back to the spa mode if no key is pressed for 60 seconds.

If you don't have any accessories on your spa, the Mode key can be used to directly change your display orientation.



Power

Press any button to turn the keypad on. After 30 minutes without activity it will shut off.

Main screen

The main screen gives you access to your accessories and water temperature. At the bottom of the screen you will see any error or maintenance messages that are present.



Start or stop accessories

To start or stop an accessory, press the associated button. Icons will become animated when their accessory is turned on, and inanimate 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 two states, press the button until it reaches the desired state.

Note *(version 14.00 and higher):*
A special buttons and icons mapping may be used when the spa configuration has 4 accessories* (3 pumps and a blower or 4 pumps and no blower). In this case only, buttons and icons are divided in 2 sets of accessories.
Button #1 starts or stops pump #1 and pump #2.
Button #2 starts or stops Pump #3 and Pump #4/blower.

Corresponding icons will be animated when one or more accessories are on.

** Only Pump #1 can have a dual speed.*



Water temperature

The temperature shown at the top of the screen is the current water temperature. Use the Up and Down buttons to set the desired temperature.

The set point will appear in blue at the bottom. After 3 seconds without any change to the set temperature value, the keypad will resume the normal display of messages.

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



Settings

From the home page you can access the Settings, where you will find:

- *Water care*
- *Heat Pump (if installed)*
- *Audio (if installed)*
- *in.clear-200 (linked version)*
- *Standby*
- *Maintenance*
- *Date & time*
- *Keypad*
- *Wi-Fi*
- *Config*
- *Restore*
- *About*

Use the arrow keys to move up and down in the list.
To select an option, press the lit button beside it (Light button).

At any point you can press the Settings button to return to the home screen.

KEYPAD FUNCTIONS



Water care

The Water Care section will help you set up your ideal filtration and heating settings. Choose from Away, Standard, Energy Savings, Super Energy Savings, and Weekender, depending on your need. Use Light key to choose your setting. A checkmark will appear on the selected icon to confirm.

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.

** Default pack value*

Water care modes



Away:

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



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*.

**Filtration will be reduced when the economy mode is active.*





Modifying schedules

To see and/or modify a Water Care category, use the lit button to the right (Key 1) to open the selected Water Care menu.

Use the arrow keys to choose a schedule to modify (choice of economy and filtration schedules). Use the Light key to move between parameters.

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 Key 1 to go back. Ensure that you have selected the desired Water Care option in the main Water Care menu.

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.



Maintenance

From the Settings page you can access the Maintenance menu, which gives you access to the following options:

- *Maintenance reminders*
- *Standby*

Use the Up and Down keys to make a selection, and Light key to confirm.



Maintenance reminders

The in.k500 keypad will remind you of maintenance required on your spa, like rinsing or cleaning the filter. Each task has its own duration, based on normal use.

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

Use the Up and Down keys to move through the list.

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



Standby

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

Once Standby mode has been activated a screen will appear to show that pumps are stopped. The normal spa page will return at the end of maintenance.

Press the Key 1 to leave Standby mode and restart the spa.

Note:
In version 6.00 only, Standby mode is accessible directly from the Settings page.



Date and time

Here you can adjust the time format, change the year, date and time. Use the arrows to choose the setting that you want to adjust, and select it by pressing the Light key.

Use the arrow buttons to change the parameters, and the Light key to move between parameters. Key 1 will take you back to the main Settings menu.

Note:
In version 6.00 and earlier, only the day of the week can be changed, and not the year or date.



Keypad settings

In this section, you can change the temperature unit, language, display orientation, rim light color and keypad security. Note the spa pack must be configured accordingly to be able to change the rim light color.

When you change the display orientation, the contextual options and arrow keys adjust to the chosen orientation. If you don't have any accessories installed on your spa, the Mode key can be used as a display orientation key. Simply press on it to change your orientation from normal to inverted, and vice versa.

Whether the display is inverted or not, the Mode and Menu keys remain unchanged, as well as the accessory keys in the main Spa menu.



With the in.k500 equipped with a selectable rim light color modul: If the "RGB backlight" option is enabled in the spa configuration an option will appear to allow selection of the keypad rim light color.

You can lock the keypad by selecting one of 3 security levels: Unlock, Partial or Full. The Partial level locks the set point adjustment and many options in the settings menu. The Full level locks all keypad functions. To unlock the keypad (either Partial or Full), press and hold the Light key for 5 seconds.





WiFi (in.touch only)

For the WiFi menu to appear in the Settings menu your in.touch module must be equipped with software version 11.00 or higher. This menu allows you to connect your in.touch module to a WiFi network or to change its network.

For more details about other in.touch connection methods please see the in.touch techbook.

To connect your in.touch module to a wireless network, use the Up/Down keys to go to the WiFi option in the Settings menu and Light key to select it.

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

Use the Up/Down keys to move through the list. Select your network by pressing on Light key.

If the WiFi network is password protected enter it when prompted.

- Use the arrow keys to choose your letters and change the type of character (uppercase, lowercase, number, symbol).
- Use Key 2 to move the curser forward
- Use Key 1 to backspace
- Use Light key to confim

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



Once the in.touch module is connected to a WiFi network a check mark in a green circle will appear in the WiFi menu, and the network logo will change to green in Settings menu.

Note:
WiFi logo color in Settings menu corresponds to the in.touch connection state.
Yellow = not connected
Green = connected to a network
Yellow with wait icon = connection attempt to a network
Red with wait icon = in.touch no longer detected
(in.touch must be reset before next connection attempt)



Config

Please do not make changes in the electrical configuration section unless you are a qualified electrician.

In this section you can change the low-level configuration, number of phases, input current and heat pump current.

Use Up/Down to move between parameters, and the Light key to select a parameter to change. Please refer to the techBook of your specific control system for spa for details about the low level settings.

Once you have changed the Number of Phases in the menu, you will be unable to use the Up/Down keys to return to the Low-level Configuration menu. Please go back and re-enter the Config menu.

Note with version 15.00 and higher:
Depending on the pack configuration, a code may be required to change these settings. This code is "5555".

KEYPAD FUNCTIONS

The list below shows the different error messages that can appear on the home screen.
Refer to the troubleshooting and error codes section of the TechBook for your spa pack system.

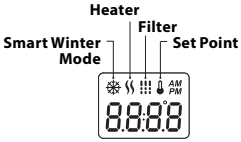
Code	Message
HL	Warning! HL Error
FLO - L01	FLO - L02 FLO FLO condition - Check filter, pump, blockage, air lock and water level
NO FLO	Persistent NO FLO, all off - Check filter, pump, blockage, air lock and water level
HR	Danger! Relay stuck
OH	Warning! Spa temp. high
Pr	Warning! Temp. probes defective
AOH	Internal pack temp. high
FLC	Flow switch closed
SP in	Input voltage issue
F1	in.xm2 Fuse # 1 is blown
F2	in.xm2 Fuse # 2 is blown
F3	in.xm2 Fuse # 3 is blown
Hr	Danger! Thermal fuse error
UPL	The spa pack does not have valid software. Please insert valid in.stick to reprogram spa pack.

EASY 4

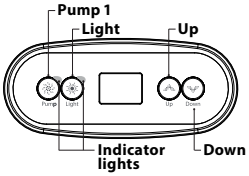
COMPACT FULL-FUNCTION KEYPAD

The Quick Reference Card provides an overview of your spa's main functions and the operations accessible from your digital keypad. This QRC depicts a generic overlay, custom versions may vary.

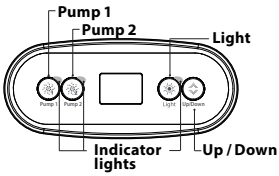




1 PUMP MODEL



2 PUMP MODEL



SPA FUNCTIONS



OFF MODE

Pressing Pump 1 for 5 seconds will enable the Off mode. This mode allows you to stop all outputs including automatic functions such as filter cycle, heat request and smart winter mode for 30 minutes to perform quick spa maintenance. When Off mode is active, the display will toggle between the "OFF" message, the clock and the water temperature.

The spa light will flash for a few seconds before the end of the 30 minutes to warn you that the system is about to resume its normal operation. Press Pump 1 or Pump 2 (if available) to restart the system before the expiration of the 30 minute delay. When the system resumes its normal operation, the display shows "On" for 3 seconds.

PUMP 1

Press Pump 1 key to turn Pump 1 on at low speed. Press a second time to turn pump to high speed (with a dual-speed pump*). A third time turns pump off. A built-in timer automatically turns pump off after 20 minutes, unless pump has been manually deactivated first.

The "Pump 1" indicator lights up when Pump 1 is on. With a dual-speed pump, the indicator will flash when pump 1 is on at low speed.

PUMP 2 KEY

Not available on all models

Press Pump 2 key to turn Pump 2 on at low speed. Press a second time to turn pump to high speed (with a dual-speed pump*). A third time turns pump off. A built-in timer automatically turns pump off after 20 minutes, unless pump has been manually deactivated first.

The "Pump 2" indicator lights up when Pump 2 is on. With a dual-speed pump, the indicator will flash when pump 2 is on at low speed.

LIGHT KEY

Press Light key to turn light on. A second press turns light off. A built-in timer automatically turns light off after 2 hours, unless it has been manually deactivated first.

The "Light" indicator lights up when light is on.

UP/DOWN KEYS

Use Up or Down key to set desired water temperature. The temperature setting will be displayed for 2 seconds to confirm your new selection.

2 pump spas have a combined Up/Down key. Hold the button to increase the parameter and release the button to stop. Hold the button again to decrease the parameter.

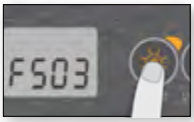
The "Set Point" icon indicates that the display shows the desired temperature, NOT the current water temperature!

** If single speed pump: press Pump key to turn pump on. Press Pump key again to turn pump off.*

PROGRAMMING STEPS







PROGRAM MENU

The program menu is accessible by holding down the Light key for 5 seconds. In the program menu the following parameters can be set: clock, the filter or purge cycles, economy mode and temperature units. While you are in the program menu, use the Up or Down key to adjust the parameters and use the Light key to jump to the next parameter.

The changes will be saved after the confirmation of the last parameter only. If there is no action taken for 10 seconds, the system will exit the program menu without saving any changes.

SETTING THE CLOCK

Enter the program menu by holding down the Light key for 5 seconds. The display will show the current clock setting with the hour flashing.

Depending on factory settings your system may be set to 24-hour time or 12-hour time.

Setting the hour: Use the Up or Down keys to adjust the hours. Press the Light key to jump to the next parameter, the minutes.

Setting the minutes: Use the Up or Down keys to adjust the minutes. Press the Light key to jump to the next parameter, the filter or purge start time (FS).

PROGRAMMING THE FILTER/ PURGE CYCLES

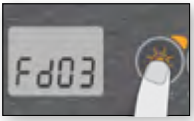
Depending on system configuration your spa will perform either a filter or a purge cycle. The filter cycle menu consists of the following parameters: the start time (FS), the duration (Fd) and the frequency (FF). The purge cycle menu consists of the following parameters: the start time (FS) and the frequency (FF).

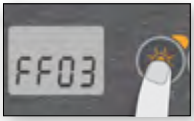
A filter cycle consists of starting all the pumps and blower in high speed for 1 minute (purge step) then, the pump associated with the filter will run in low speed for the remaining duration of the filter cycle (clean step).

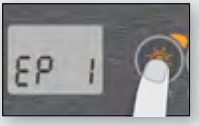
A purge cycle is used when the spa is equipped with a 24 hour circulation pump which provides a continuous clean step. It consists of starting all the pumps and blower in high speed for 1 minute.

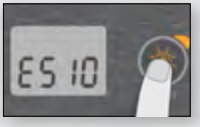
SETTING FILTER OR PURGE CYCLE START TIME

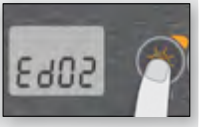
The display will show FSxx, "xx" representing the starting hour of the cycle. Use the Up or Down key to adjust the hours. Use the Light key to jump to the next parameter, filter duration (Fd).











SETTING FILTER CYCLE DURATION

(not available on purge systems)

The display will show Fdxx, "xx" representing the dura-tion in hours of the filter cycle. Use the Up or Down key to adjust the duration. Use the Light key to jump to the next parameter, filter or purge frequency (FF).

0 = no filtration

24 = continuous filtration

It is not recommended to set this to "0".

SETTING FILTER OR PURGE CYCLE FREQUENCY

The display will show FFxx, "xx" representing the number of cycles per day. Use the Up or Down key to adjust the frequency. Use the Light key to jump to the next parameter, economy mode (EP).

The "Filter cycle" indicator lights up when filter is on and flashes when suspended.

SETTING ECONOMY MODE

This mode allows you to lower the temperature set point of the spa by 20 °F (11 °C) during a certain period of the day.

The display will show EPx, "x" representing the state of the programmed economy (0 = disabled, 1 = enabled). Use the arrow keys to enable or disable economy mode. Use the Light key to jump to the next parameter, economy start time (ES).

SETTING ECONOMY START TIME

The display will show ESxx, "xx" representing the hour at which the economy mode will become active. Use the Up or Down key to adjust the hour. Use the Light key to jump to the next parameter, economy duration (Ed).

When the Economy mode is ON, the display will toggle between the "Eco" message, the time, and the water temperature.

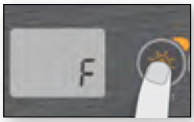
SETTING ECONOMY DURATION

The display will show Edxx, "xx" representing the duration in hour of the economy mode. Use the Up or Down key to adjust the hour. Use the Light key to jump to the next parameter, temperature unit.

24 = continuous economy

Note that the parameters for the economy mode settings are associated to specific low level configuration of the system that are not present in all software revisions.

USER INTERFACE - IN.K300





SETTING TEMPERATURE UNIT

Water temperature can be displayed in either Fahrenheit (°F) or Celsius (°C). The display will show F or C.

Use the Up or Down key to change the setting. Use the Light key to save all the parameters.

SMART WINTER MODE

Our Smart Winter Mode protects your system from the cold by turning pumps on several times a day to prevent water from freezing in pipes.

The "SWM" indicator lights up when freezing is detected and flashes when the purge is active.

COOLDOWN

After heating the spa water to the desired Set Point, the heater is turned off, but its associated pump (Pump 1 low-speed or CP) remains on for a predetermined period of time to ensure adequate cooling of the heating element, prolonging its useful life.

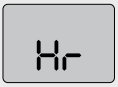
WATER TEMPERATURE REGULATION

Every 15 to 90 minutes the pump will run to ensure accurate water temperature readings as well as avoid heater activation in dry conditions. After verifying pump activation and taking a water temperature reading if required, the system automatically turns the heater on to reach and maintain water temperature at Set Point.

Indicator flashes when taking water temperature reading.

TROUBLESHOOTING SECTION

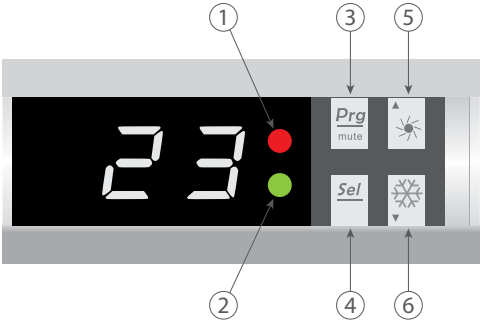
Should an error occur, the display will show one of the following error messages toggled with the clock and the water temperature.

IN.XE ERROR CODES	DESCRIPTION
	**Hr** **An internal hardware error has been detected in the in.xe.** Contact dealer or service supplier.
	**HL** **The system has shut the heater down because the temperature at the heater has reached 119°F (48°C).** Do not enter the water! Remove the spa cover and allow the water to cool down, then shut power off and power your spa up again to reset the system.
	**AOH** **Temperature inside the spa skirt is too high, causing the internal temperature in the in.xe to increase above normal limits. Open skirt and wait until error clears.**
	**FLO** **The system does not detect any water flow while the primary pump is running.** Check and open water valves. Check for water level. Clean filter. If the problem persists, call your dealer or service supplier.
	**Prr** **A problem is detected with the temperature probe.** Call your dealer or service supplier.
	**OH** **The water temperature in the spa has reached 108°F (42°C).** Do not enter the water! Remove the spa cover and allow the water to cool down to a lower temperature. Call your dealer or service supplier if problem persists.

OTHER ACCESSORIES - THE HEAT PUMP (OPTIONAL)

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

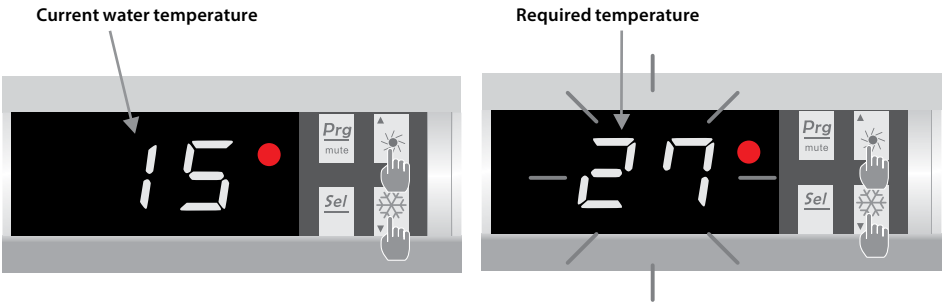
Step 1: Press Prg mute to switch on your pump.

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

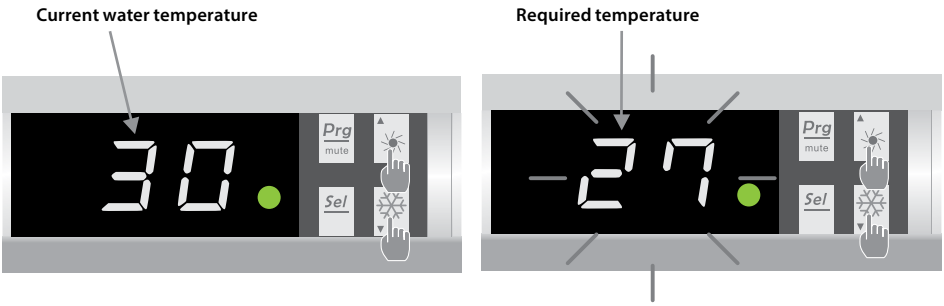
Step 1: Press Prg mute to switch on your pump.

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.

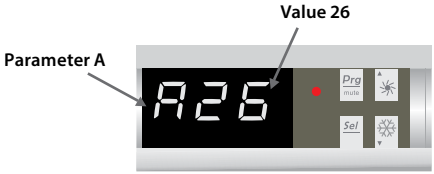
Step 3: Press Sel to select the setting to be modified.

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.

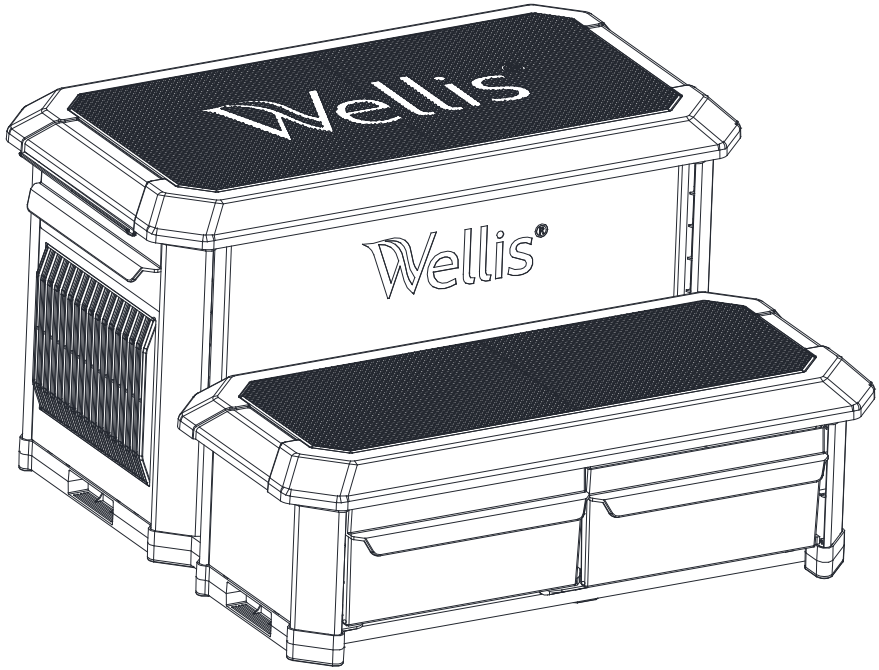


PARAMETERS TABLE

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)



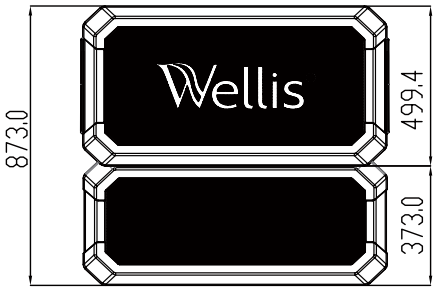
SAFE USE

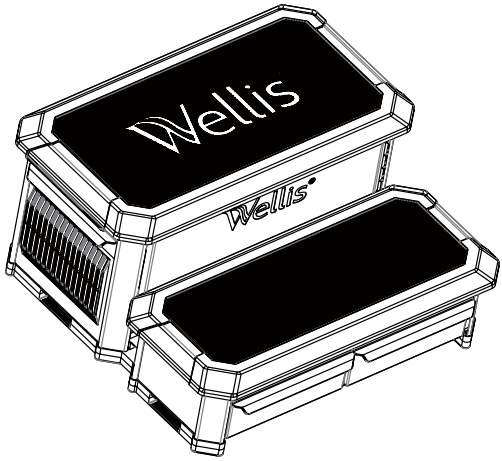
To reduce the risk of drowning, falls, paralysis, electrocution, or other serious injury or death:

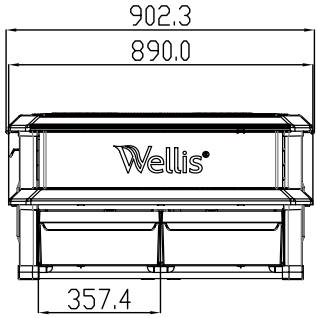
Use step properly.
Use for intended purpose only.

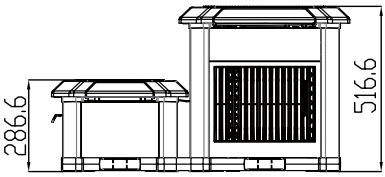
- **No diving or jumping from steps** - shallow water, risk of paralysis or death.
- ONE PERSON ON THE LADDER/STAIR AT A TIME.
- Illuminate the steps when using the spa at night.

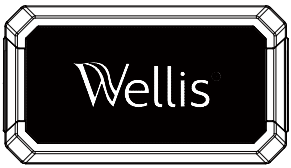
Weight limit - 300 lbs maximum. Exceeding maximum weight may cause the step to fail.
Secure the spa when not in use. - (for example, with a locked cover or secure gate) - refer to local codes.
Watch children at all times when they are in or around water to help prevent drowning.
BE SURE AND SAFE. - The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





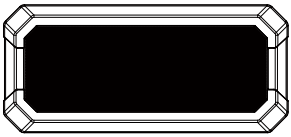






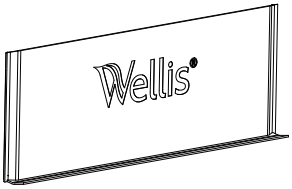
WE0135-1

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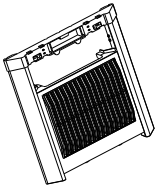
WE0135-2

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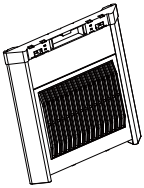
WE0135-5

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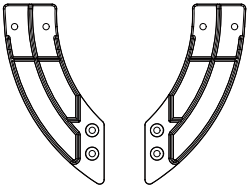
WE0135-6

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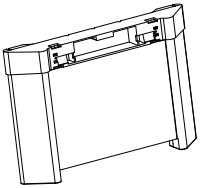
WE0135-7

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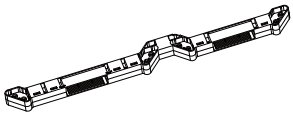
WE0135-10&11

1x



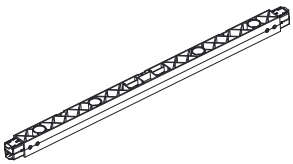
WE0135-13

2x



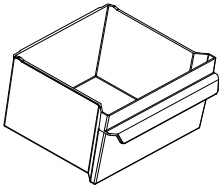
WE0135-14

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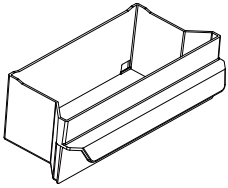
WE0135-15

11x



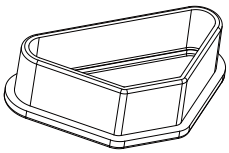
WE0135-16

2x



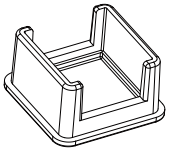
WE0135-17

1x



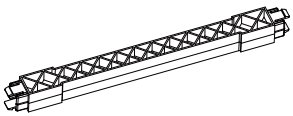
WE0135-18

8x



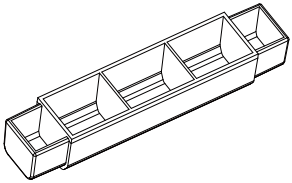
WE0135-19

5x



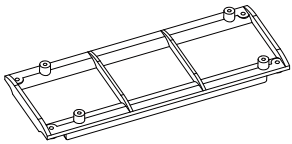
WE0135-20

2x



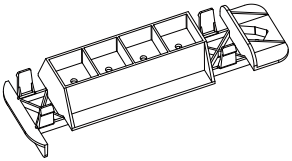
WE0135-21

2x



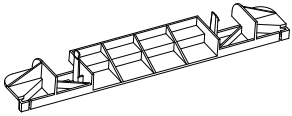
WE0135-22

2x



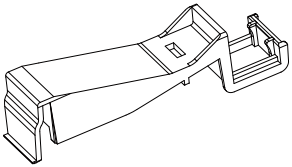
WE0135-23

2x



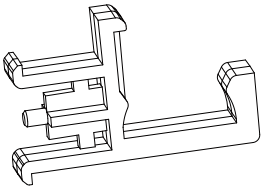
WE0135-24

2x



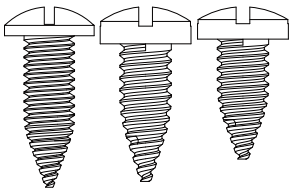
WE0135-25

6x

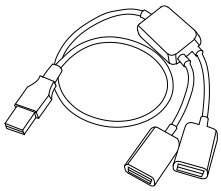


WE0135-26

8x

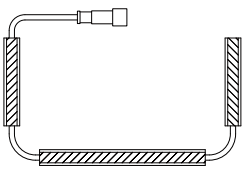


M4.2X14
16x
M3X14
4x
M3X10
16x



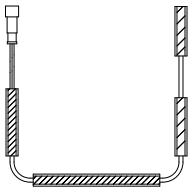
USB

1x



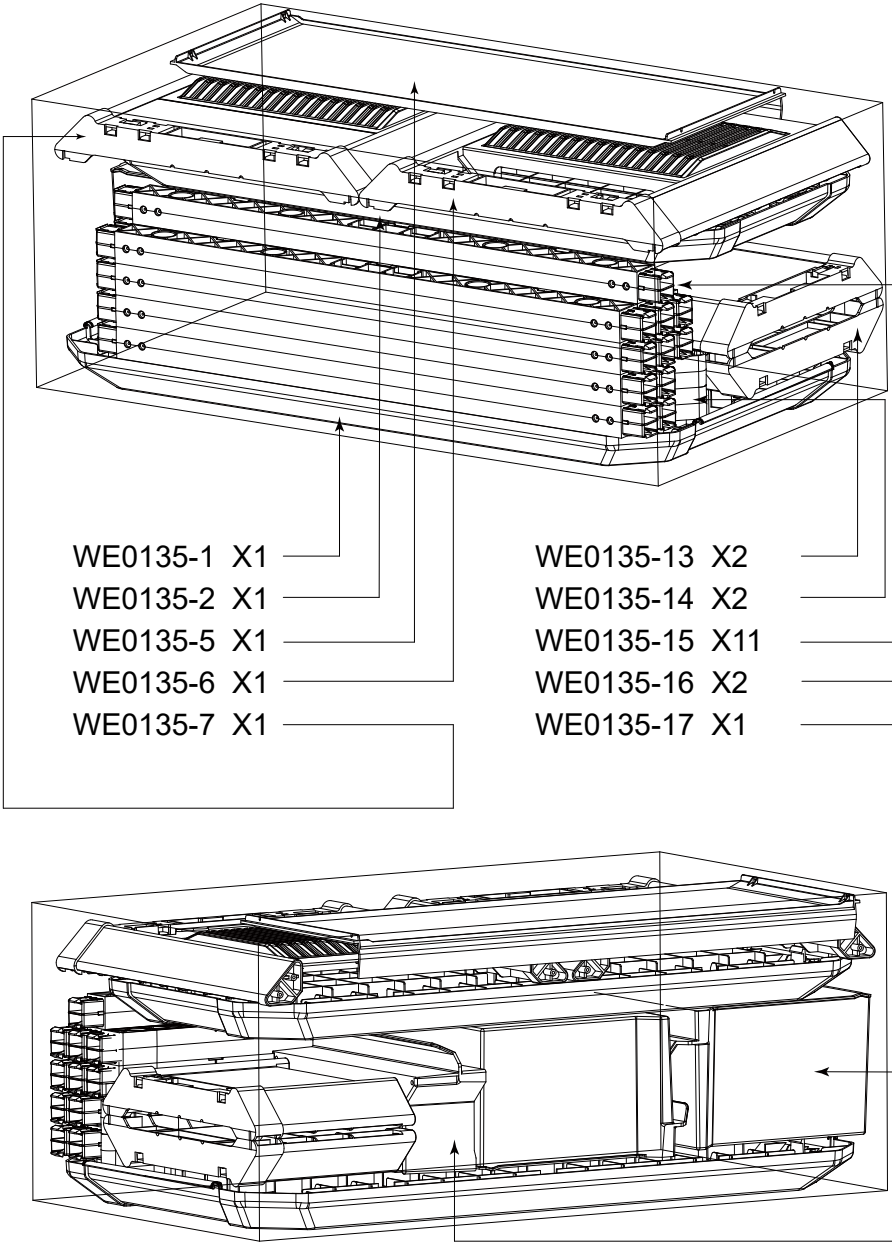
LED lights
Three paragraphs

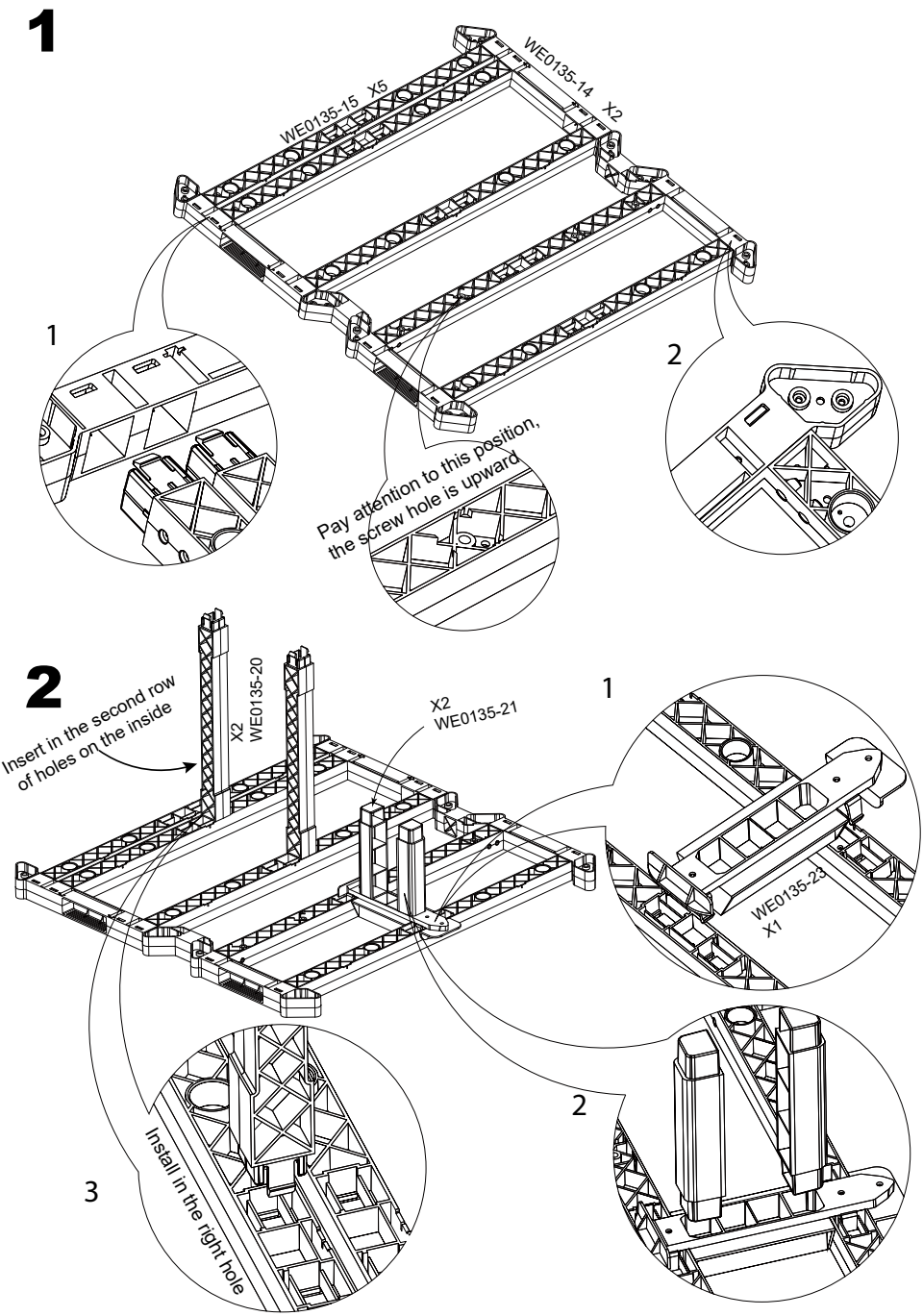
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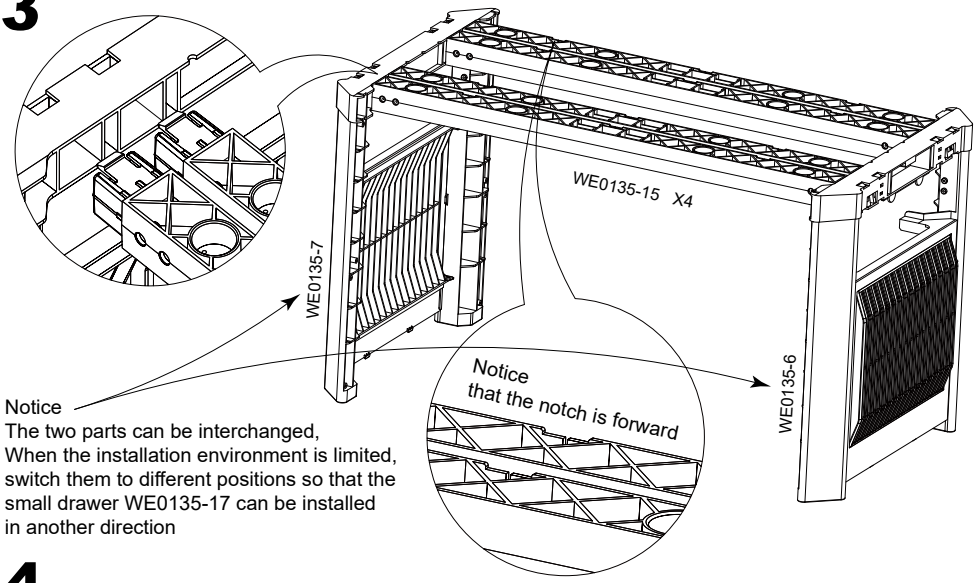
LED lights
Four paragraphs

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

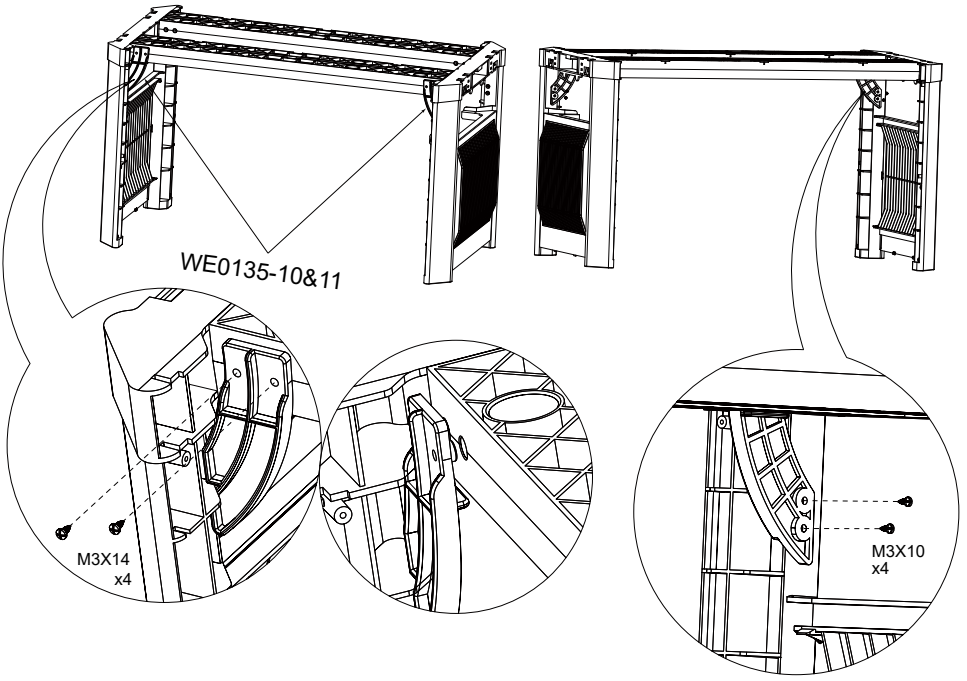

1
WE0135-15 X5
WE0135-14 X2
1
2
Pay attention to this position, the screw hole is upward
2
Insert in the second row of holes on the inside
X2
WE0135-20
X2
WE0135-21
1
WE0135-23
X1
2
3
Install in the right hole

3

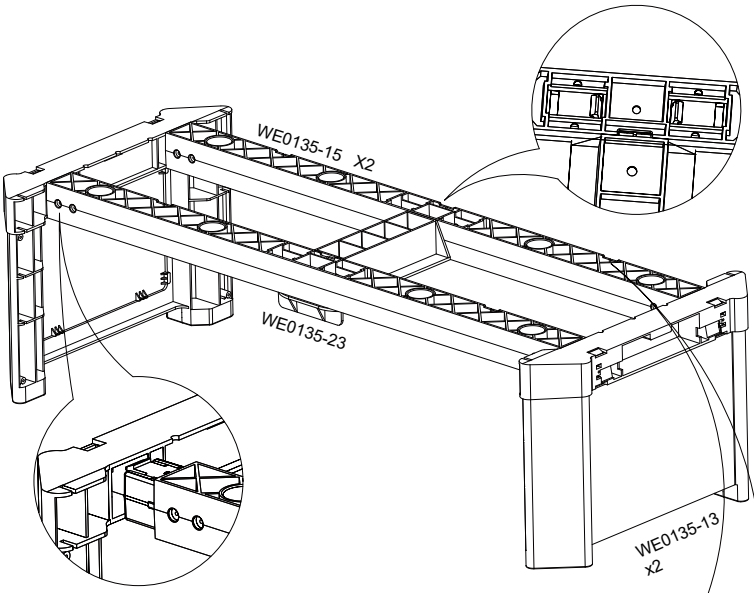


Notice
The two parts can be interchanged,
When the installation environment is limited, switch them to different positions so that the small drawer WE0135-17 can be installed in another direction

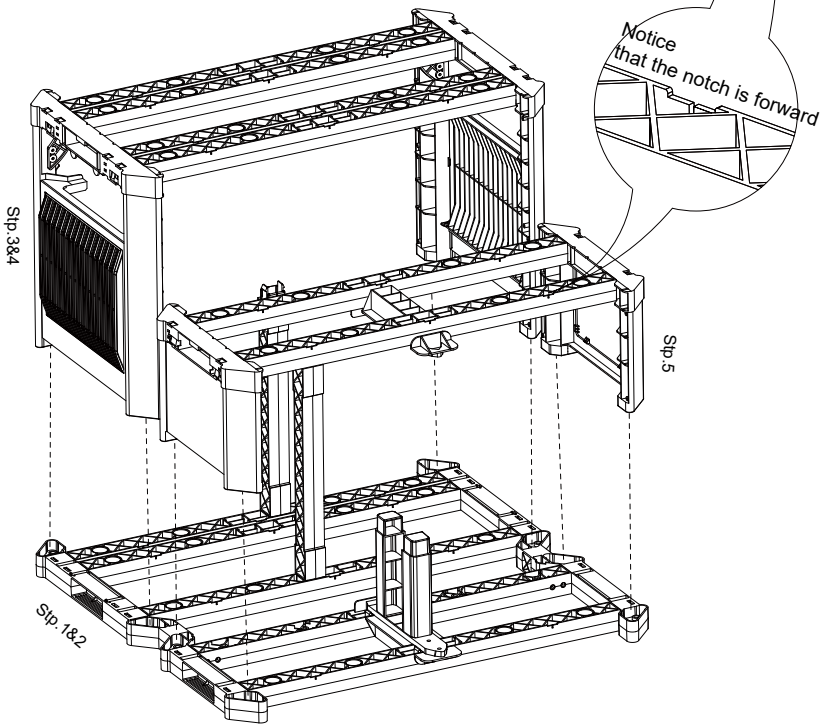
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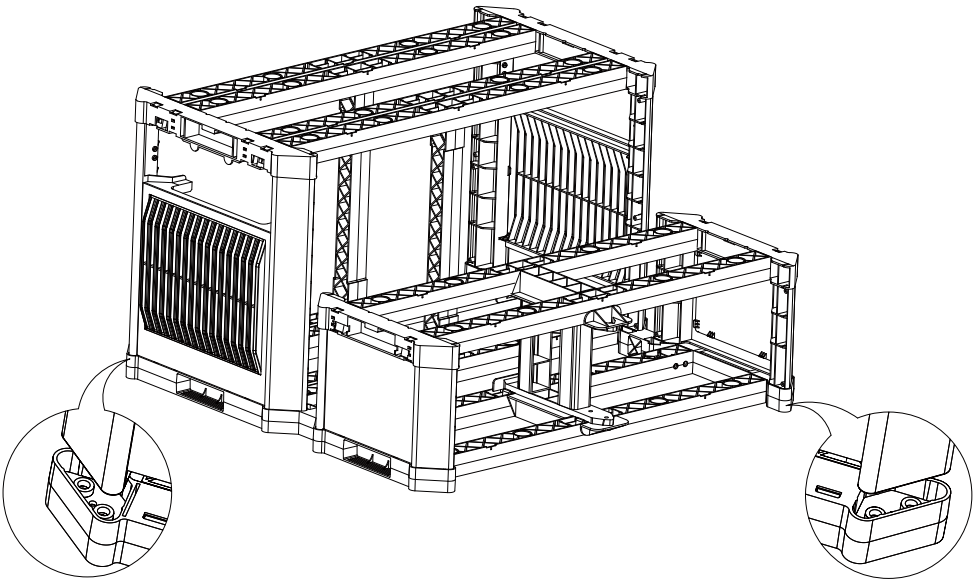


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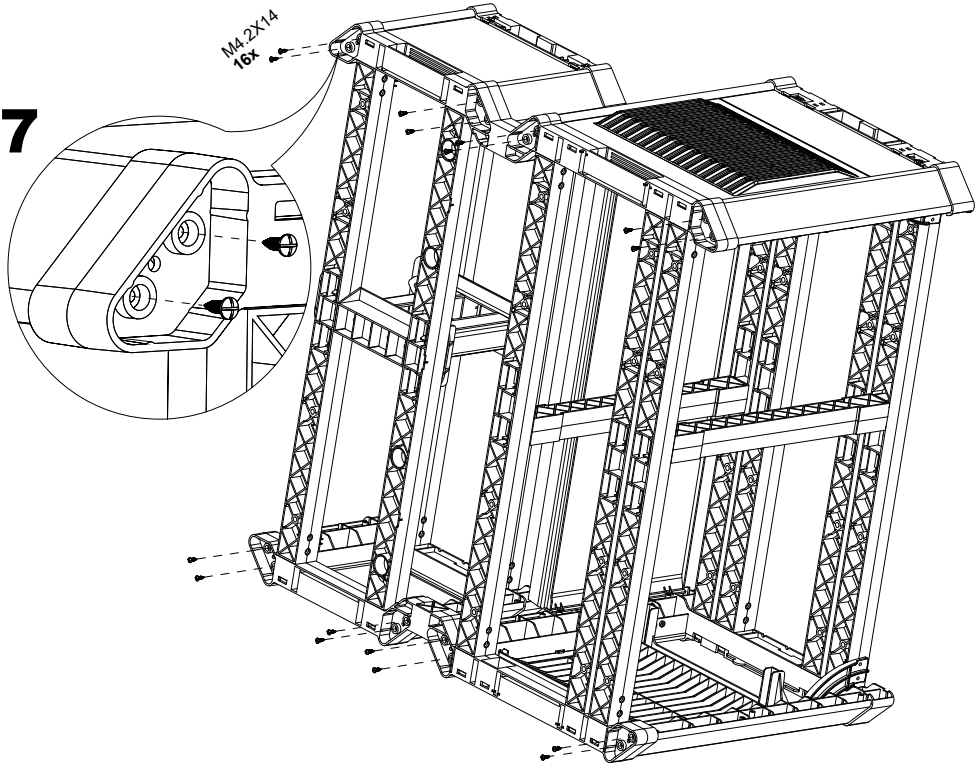

WE0135-15 X2
WE0135-23
WE0135-13
x2

6

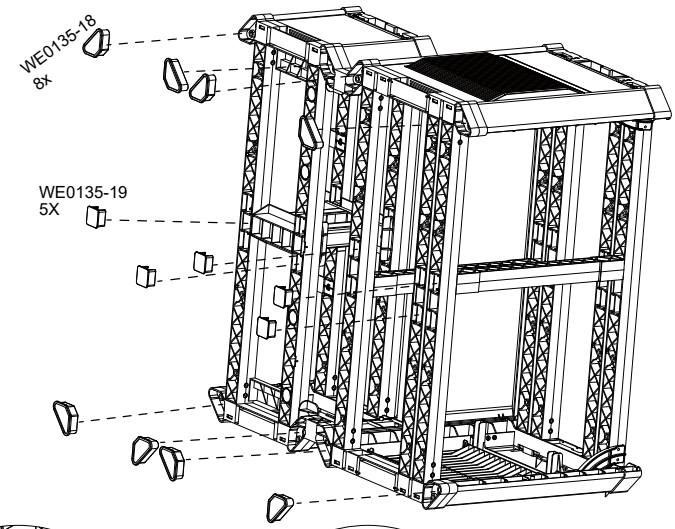

Notice
that the notch is forward
Stp.3&4
Stp.5
Stp.1&2



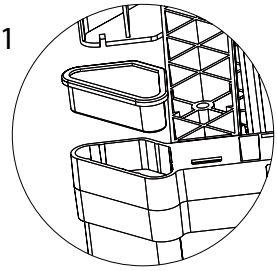
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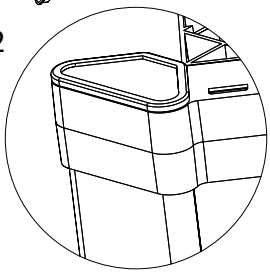
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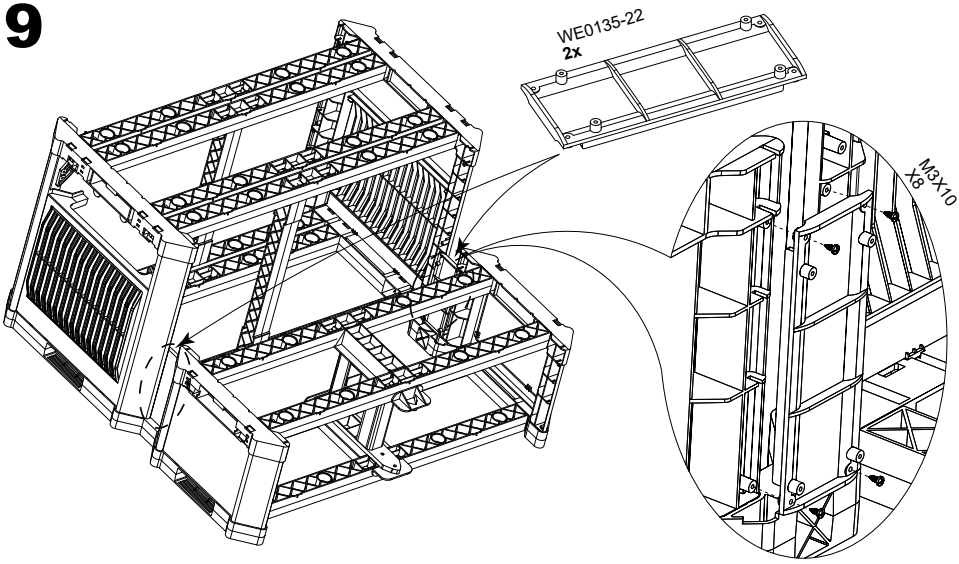
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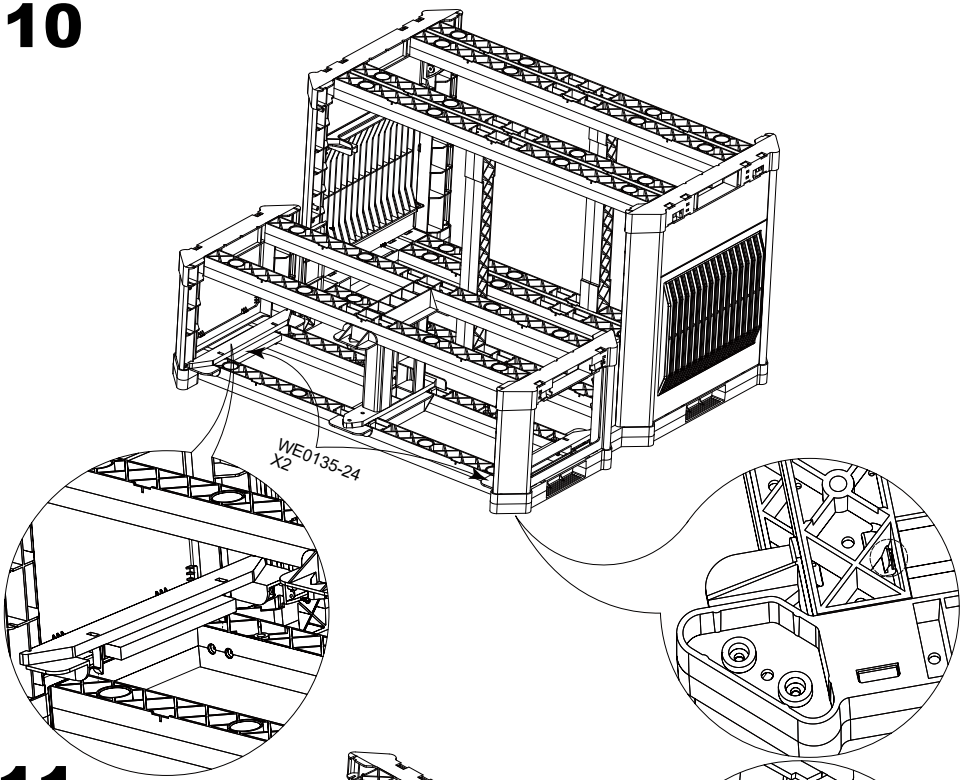
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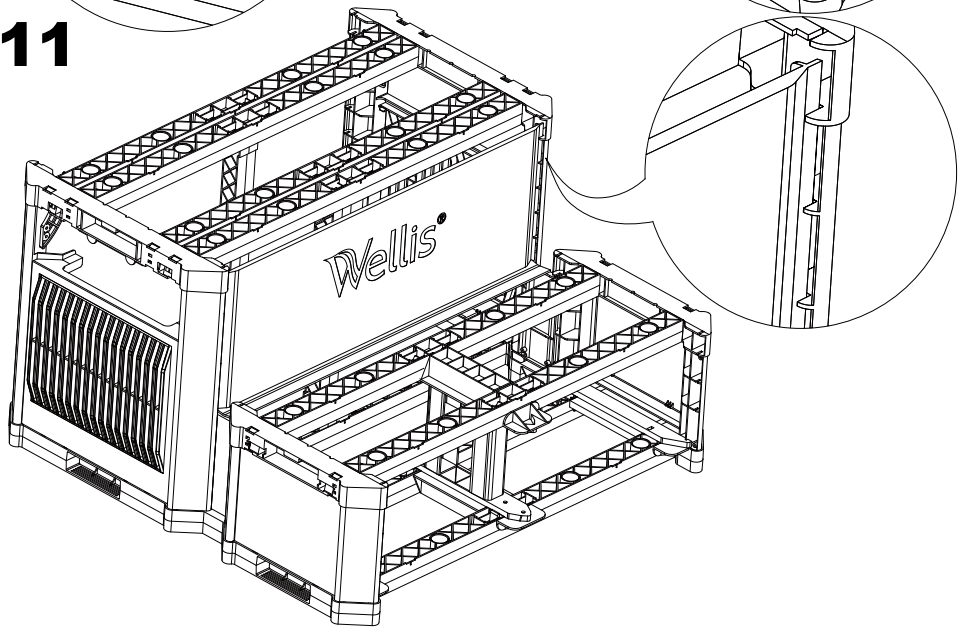
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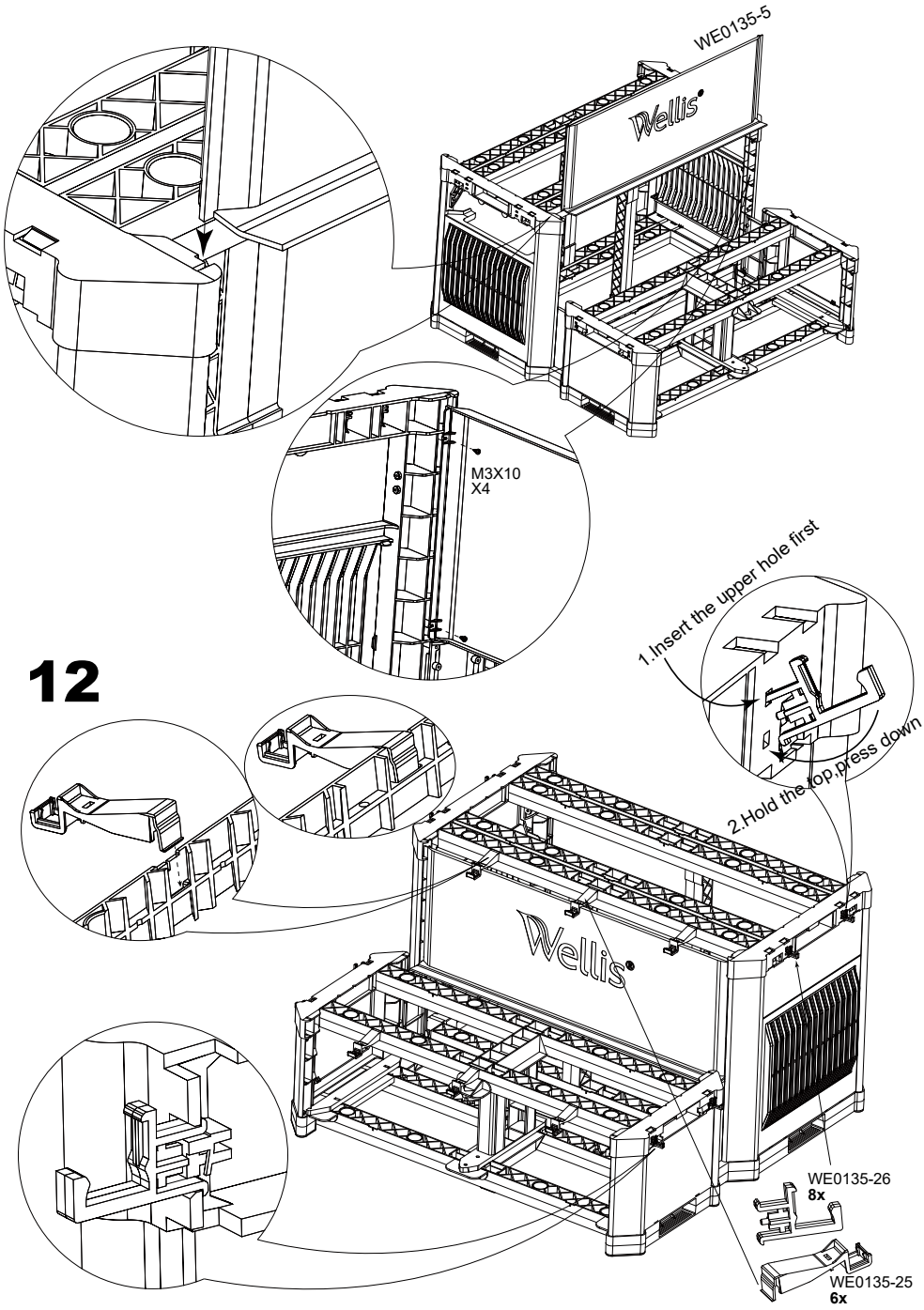


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11

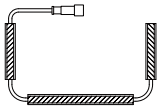



WE0135-5
M3X10
X4
1.Insert the upper hole first
2.Hold the top,press down
12
WE0135-26
8x
WE0135-25
6x

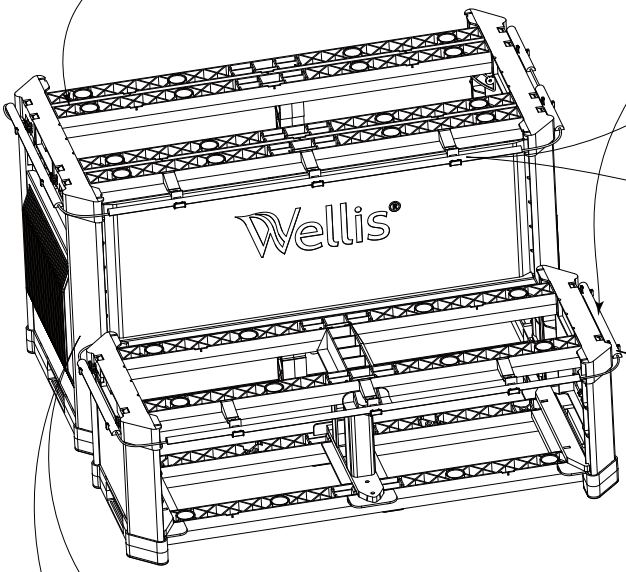
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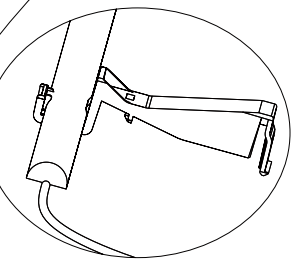


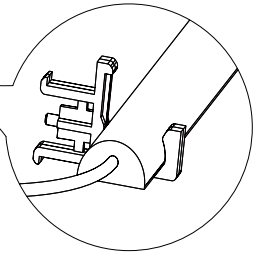
LED lights
Four paragraphs
1x

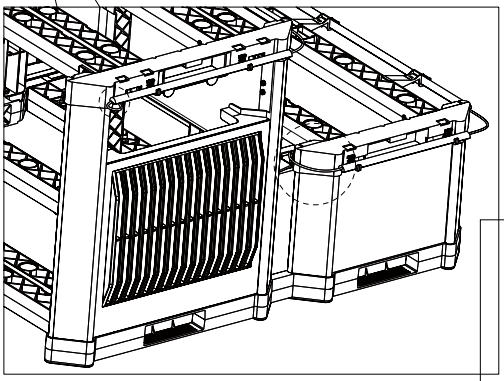


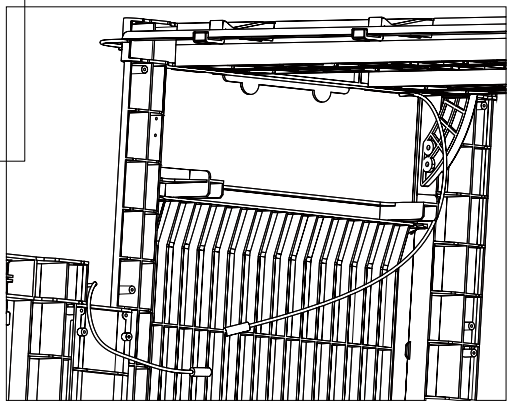
LED lights
Three paragraphs
1x



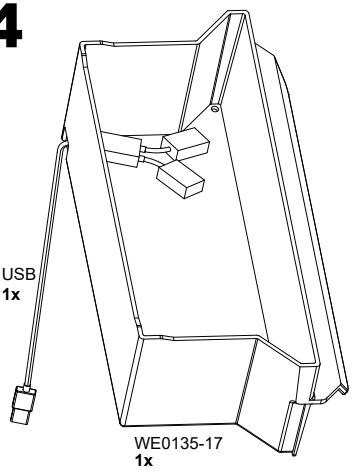


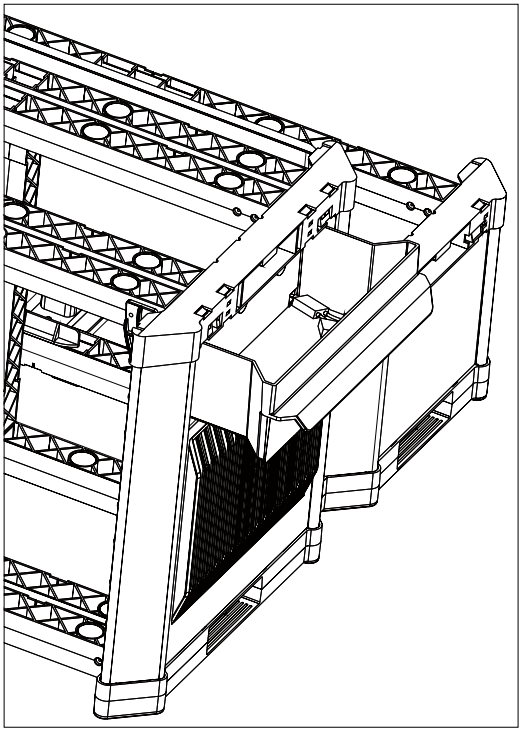




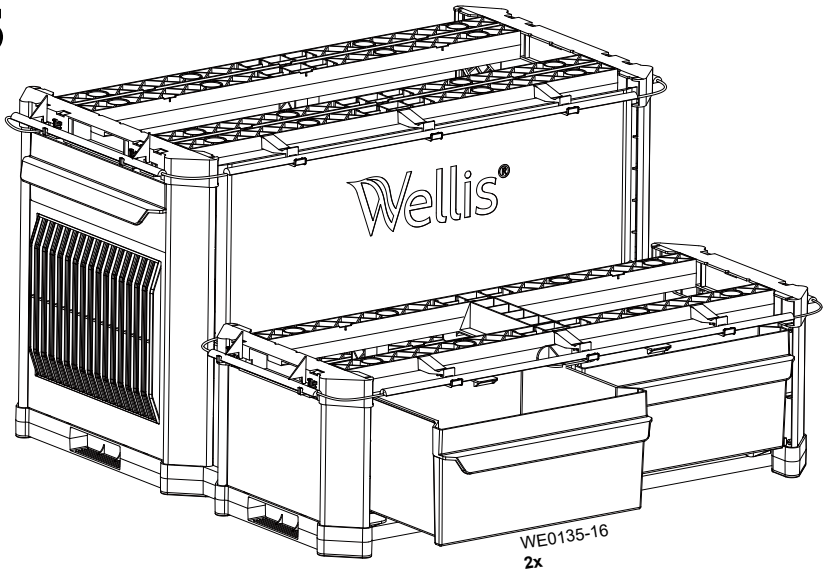


14

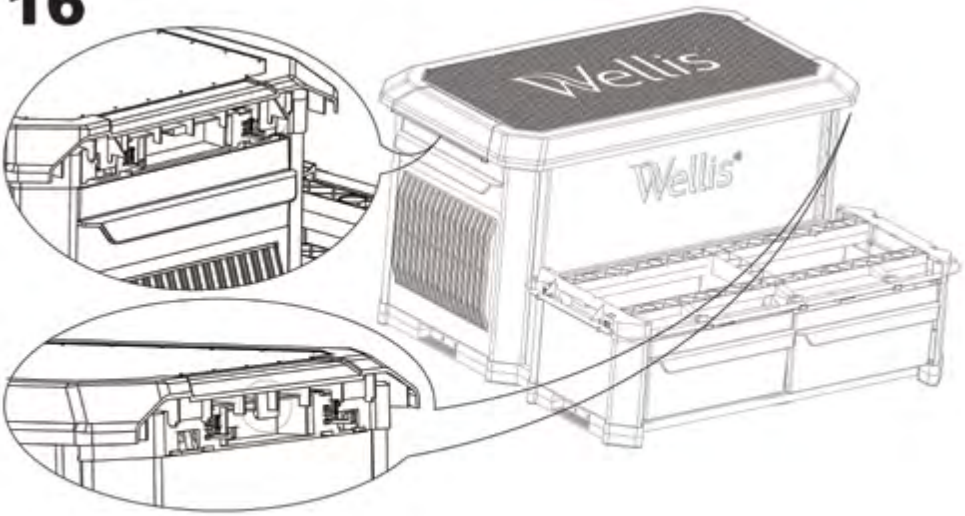




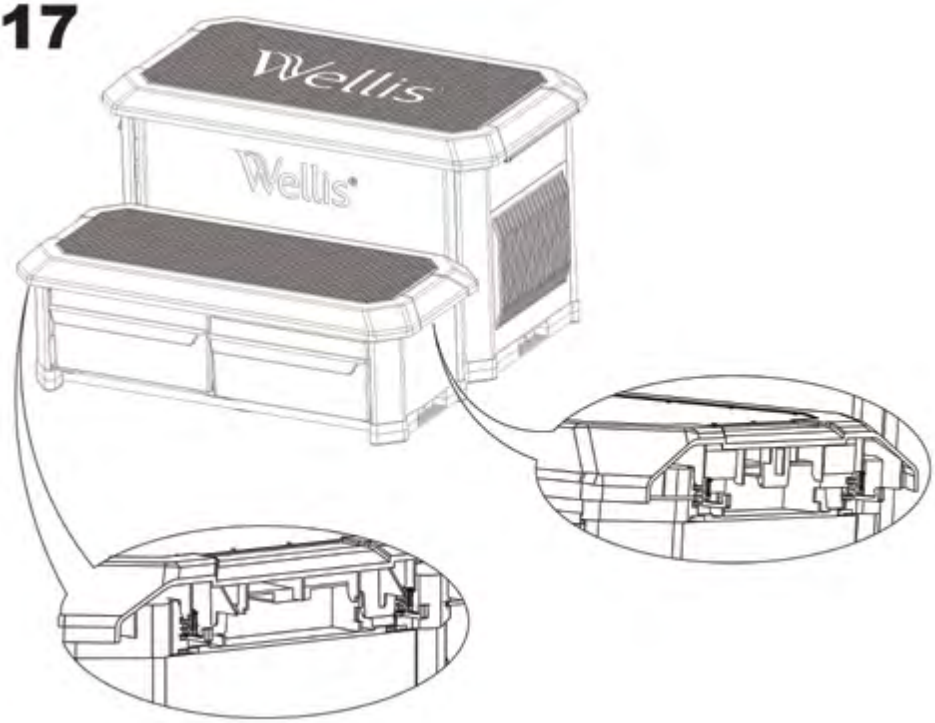
15



16



17



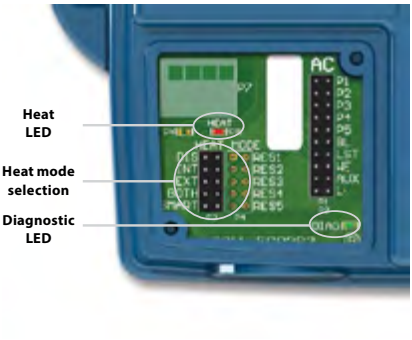
Heat Mode Operations

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.

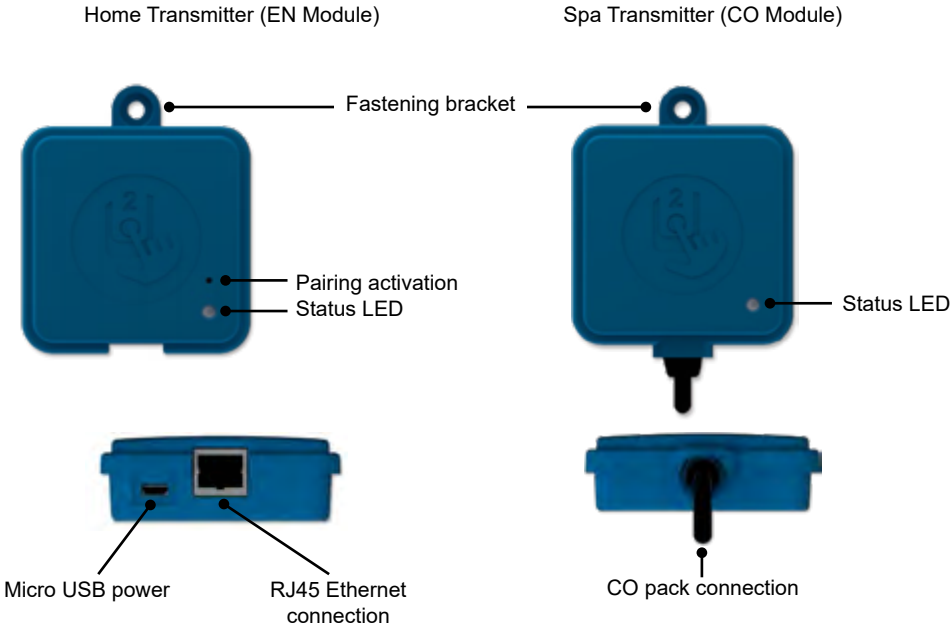
Strong and long range communication signal

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.

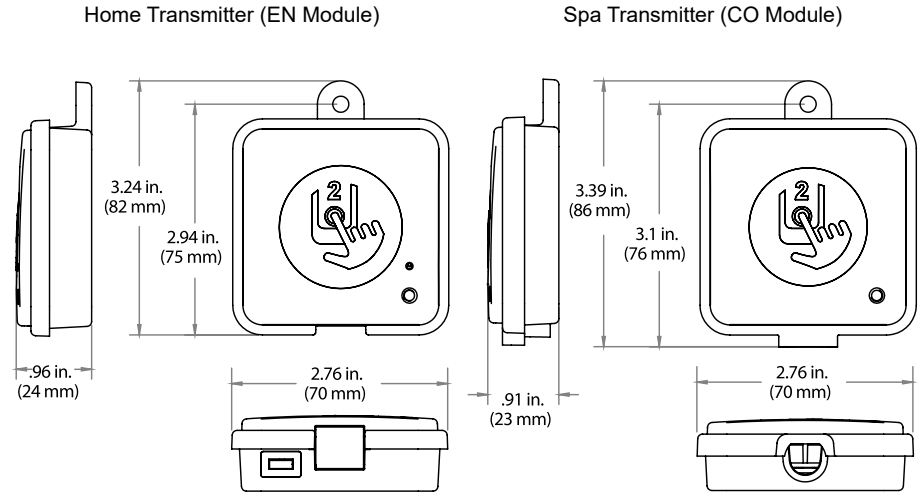
State-of-the-art app with push notifications

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



in.touch 2 dimensions



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.

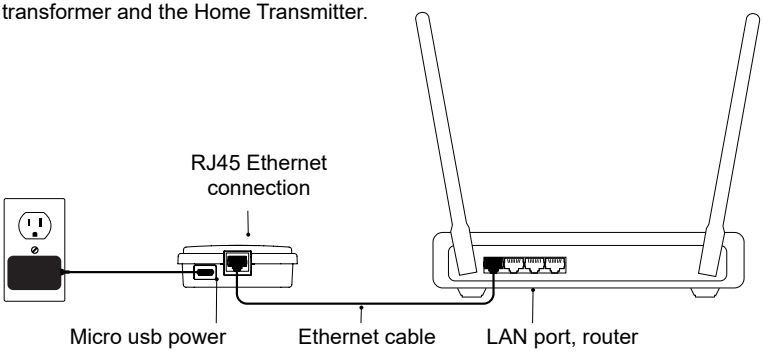




Connection of the Home Transmitter (EN Module)

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

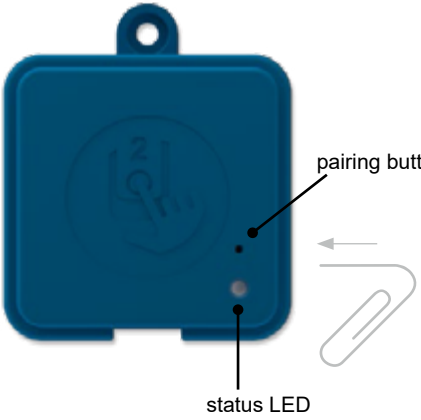
Finally, to power up the Home Transmitter, connect the provided transformer to a 120V (North American model) or 220V (European model) household supply and connect the USB cable between the transformer and the Home Transmitter.



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





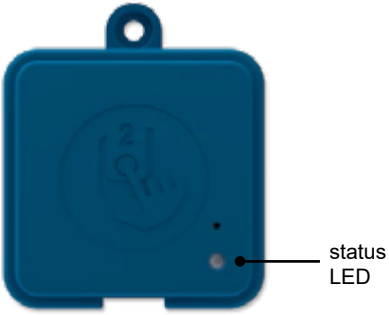
2. Press on the pairing button with a paper clip or some similar tool. When the pairing mode is active the status LED flashes YELLOW in a rapid pattern. The Home Transmitter is then in pairing mode and will remain in this mode until it pairs with an Spa Transmitter, or until it is reset (power cycled).
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.

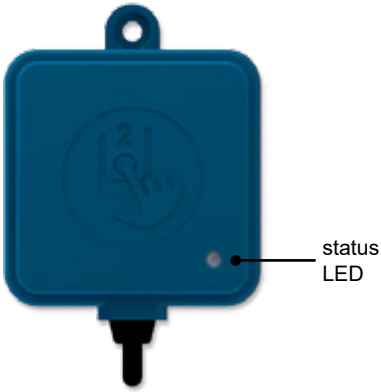
Note: in.touch 2 modules can be paired as often as necessary, but can only be paired with a single counterpart module at a time. Once paired, the modules store this information permanently until the next pairing operation. Pairing information is stored in non-volatile memory, so pairing is not required 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	●

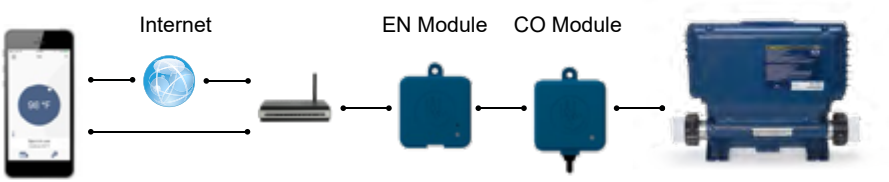
Spa Transmitter	
Pairing mode Yellow (Blinking)	●
Spa controller not detected Red	●
in.touch 2 server detected Module is fully functional Blue	●

** 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



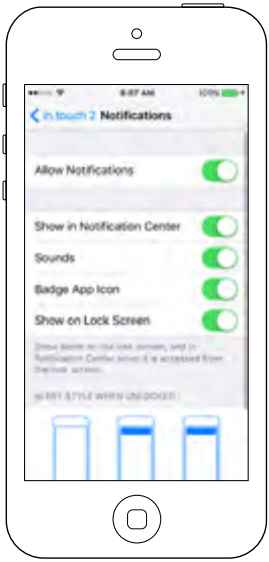
Before using your application, go to the Wi-Fi section of your device's settings. Make sure you are connected to your home network. This needs to be the same Wi-Fi provided by the router to which you connected your Home Transmitter.

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



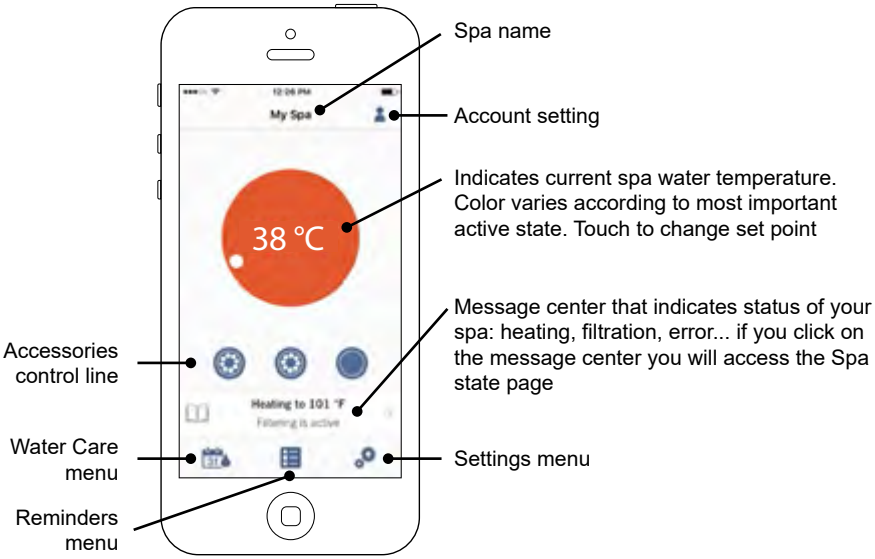
This page displays all the spas detected by your application.
To detect your spa, you need to connect your mobile device to the same network to which you connected your Home Transmitter.

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:

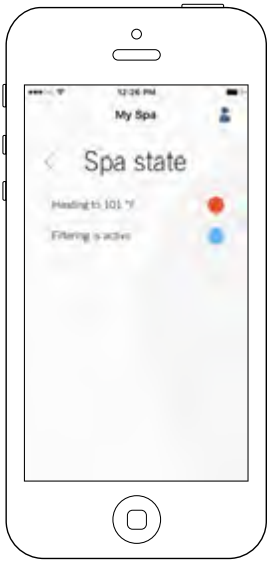
- Signal superior to 80%
- Signal between 80% and 51%
- Signal between 50% and 31%
- Signal below 30%
- The Spa Transmitter is not available

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:

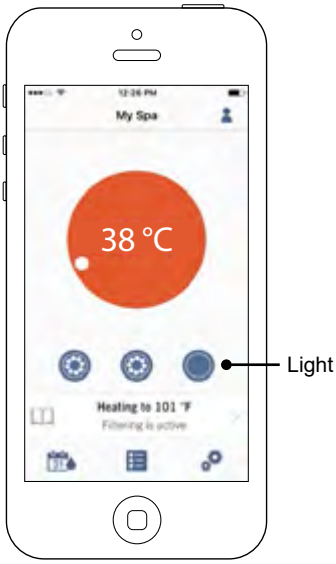


Pump

Waterfall

Blower

Turn on/off the lights



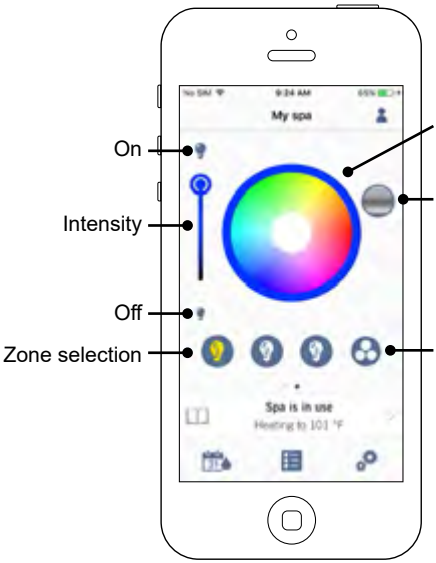
To control your spa lights, simply press the button to turn it on or off

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.



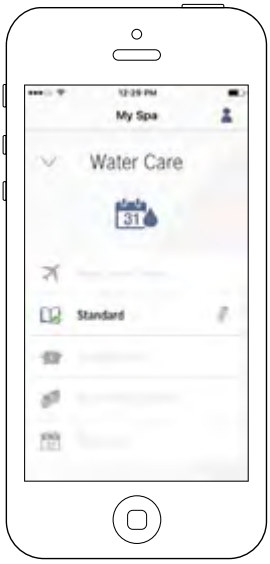
The in.mix 300 page allows you to customize your color zones in or around your spa.

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

To select a zone, click on the wanted one in the “zone selection” stripe. 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.

The synchronization / desyn-chronization icon gives you the possibility to match the color of the selected zone with the other zones

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 7 °C (20° F).

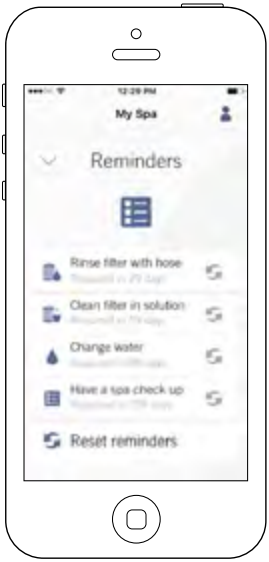
Beginner / Standard:
The spa will never be in economy mode and will be filtering according to the pack's low level configuration.

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.

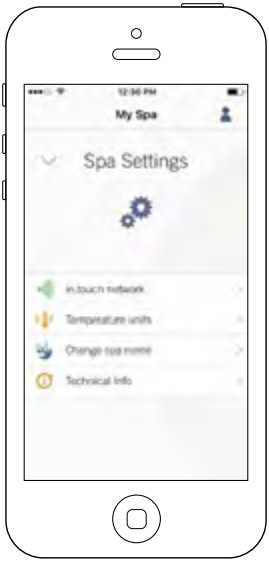
You can modify the programmed schedules by selecting one and adjusting the schedule.

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 by7 °C (20° F), which means that the heating system will not be engaged unless the temperature falls to 7 °C (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

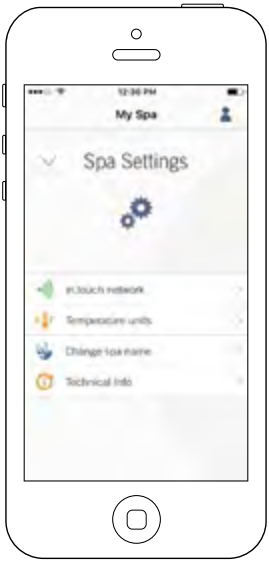


In the Settings page you can access the following:

- *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

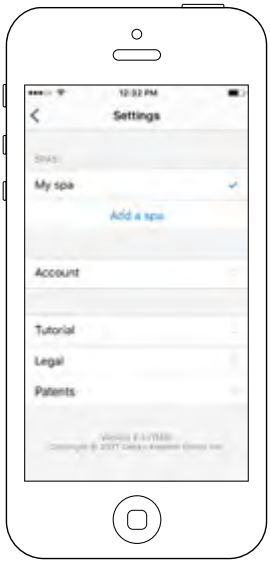
Technical Info



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

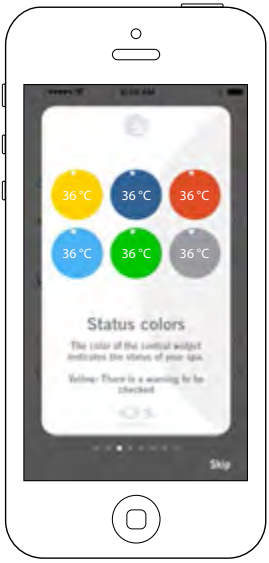
Account



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

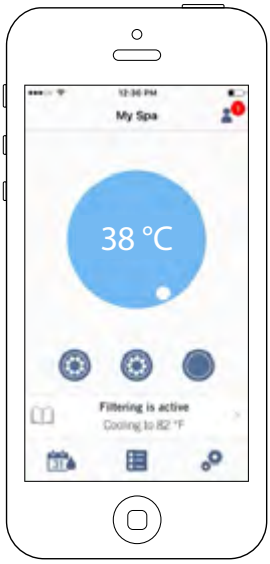
Tutorial





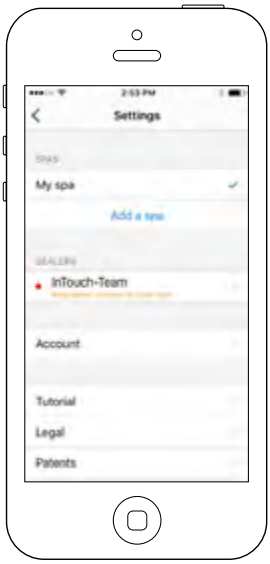
This section gives you a quick overview of your in.touch 2 application's functions.

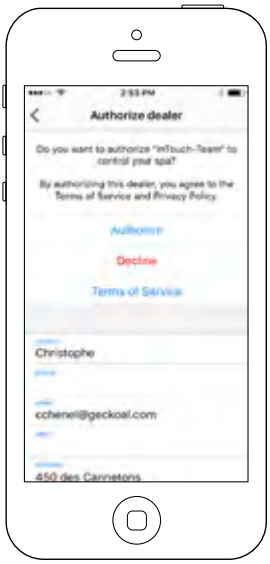
Technical Support invitation



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.

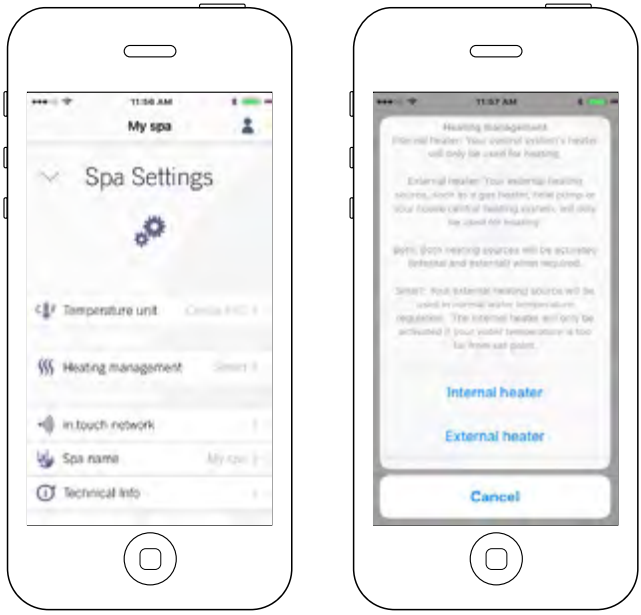
If you don't want your dealer to have access to your spa anymore, simply swap to the left the "Allow access to your spa" button at bottom of the page.

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.

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

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.

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 15°C/ 59°F). 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 (-19°C/-2.5°F), the internal heater will be activated to help your external heating system reach the set point.

WIRING DIAGRAM - W3000

W3000



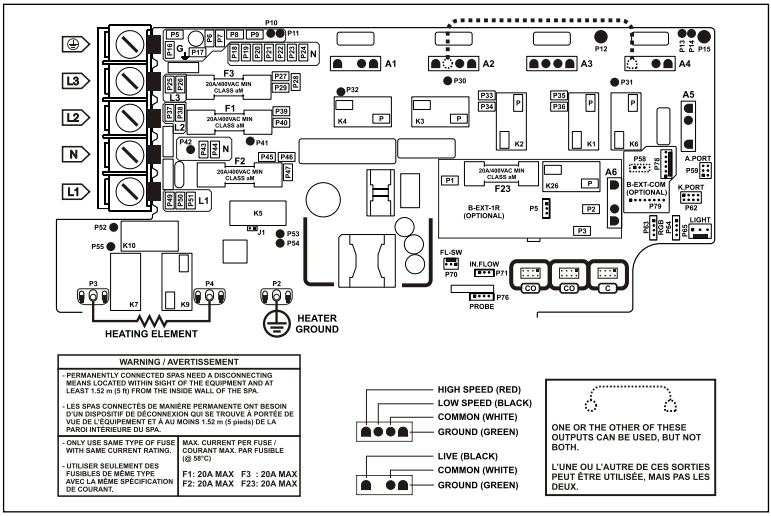
CONNECTIONS

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.**

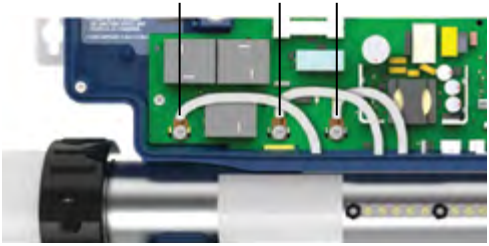
This table shows typical connections. OEMs may have a different connection scheme.

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

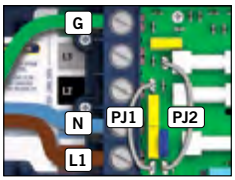
ELECTRICAL WIRING: EUROPEAN MODEL IN.YE

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.

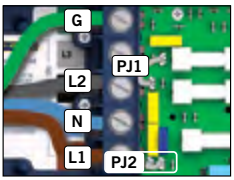
Correct wiring of the electrical service box, RCD, and pack terminal block is essential!
Check your electrical code for local regulations. Only copper wire should be used, never aluminum.



1-phase

Connect PJ1 between P37 and P49.

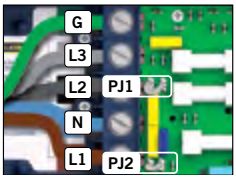
Connect PJ2 between P50 and P26.



2-phase

Connect PJ1 between P37 and P26.

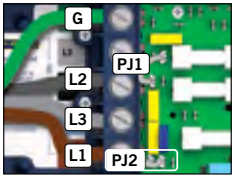
Connect PJ2 between P50 and P49.



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}).

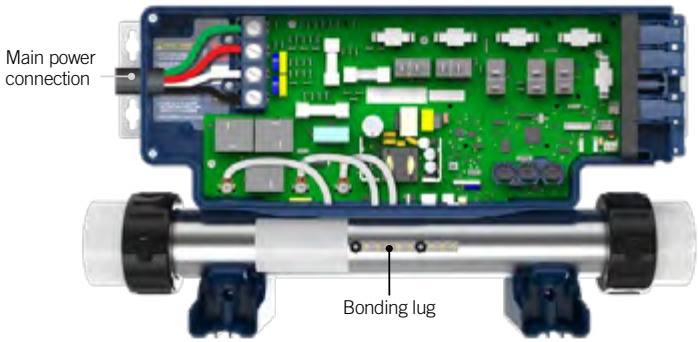
Connect the bonding conductor to the bonding lug on the front of the spa pack (a grounded electrode conductor should be used to connect the equipment grounding conductors). Bonding conductor must meet local electrical code.

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.



Config

Please do not make changes in the electrical configuration section unless you are a qualified electrician.

In this section you can change the low-level configuration, number of phases, input current and heat pump current.

Use Up/Down to move between parameters, and the Light key to select a parameter to change. Please refer to the techBook of your specific control system for spa for details about the low level settings.

Once you have changed the Number of Phases in the menu, you will be unable to use the Up/Down keys to return to the Low-level Configuration menu. Please go back and re-enter the Config menu.

Note with version 15.00 and higher:
Depending on the pack configuration, a code may be required to change these settings. This code is "5555".

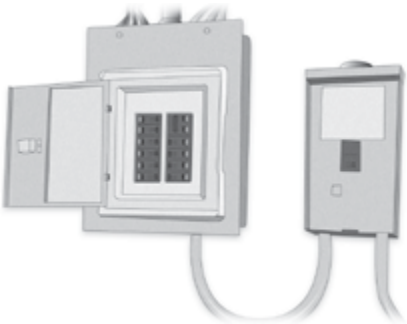
POWER UP AND BREAKER SETTING

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