




SunHome
S A U N A S

Sun Home Cold Plunge™



USER MANUAL



For more info visit us at:
www.sunhomesaunas.com

Product Specifications

Main Technical Data Sheet

Product Name	Ice Bath Chiller							
Model No.	SY-06-HC (cooling+heating) SY-06-OC (cooling or heating)		SY-08-HC (cooling+heating) SY-08-OC (cooling or heating)		SY-10-HC (cooling+heating) SY-10-OC (cooling or heating)		SY-20-HC (cooling+heating) SY-20-OC (cooling or heating)	
Power Supply	AC100-127V 60Hz	AC220-240V 50/60Hz	AC100-127V 60Hz	AC220-240V 50/60Hz	AC100-127V 60Hz	AC220-240V 50/60Hz	AC100-127V 60Hz	AC220-240V 50/60Hz
Input Power	640W	610W	725W	710W	1170W	1150W	1500W	1950W
Compressor Power	505W	480W	630W	605W	945W	900W	1260W	1760W
Cooling Capacity	1520W	1450W	1790W	1770W	3050W	2900W	4500W	5750W
Heating Function	Yes							
Cooling Function	Yes							
Refrigerant	R410A							
Water Temper	3-42°C / 42-3°C							
Disinfection	Built-in ozone disinfection device							
Circulation Pump	Built-in Self-priming System							
Water filter	Installed External							
Remote control	Android APP, WIFI							
Transport wheels	Yes							
Carry handle	Yes							
Quick Connectors	Yes							
Net Weight	30KG		35KG		40KG		45KG	
Dimension	42*33*48CM		47*35*53CM		54*40*55CM			
Certification	CE (Following datas based on testing in closed insulated barrel, 30° C room temperature)							
For reference only. Water Volume& Cooling Time (23°C to 5°C)	50L≤1.5H 100L≤3.1H 200L≤5.2H 500L≤9.3H	50L≤1.9H 100L≤3.5H 200L≤5.6H 500L≤9.8H	50L≤0.8H 100L≤1.7H 200L≤3.9H 500L≤7.5H	50L≤1.2H 100L≤2.1H 200L≤4.2H 500L≤7.9H	200L≤2.8H 500L≤6.5H 1000L≤15.5H 2000L≤33.2H	200L≤3.1H 500L≤6.9H 1000L≤16.5H 2000L≤35.1H	200L≤2.5H 500L≤4.6H 1000L≤7.5H 2000L≤25.5H	200L≤2.0H 500L≤4.1H 1000L≤6.9H 2000L≤27.5H
Main Features	Excellent design with low noise			Overloading protection				
	Built-in self-priming circulating Pump			With Anti-freeze System				
	Water and electricity separating system.			Overheating Protection				
	Leakage Protection System for Electricity			Max. Cooling Capacity in Specified Spaces				
	Built-in OZONE disinfection device, and external water filter			Suitable For Indoor and Outdoor Cooling and Heating				
	WIFI Connection, Remote Control by iOS & Android App			Excellent value, priced to be as affordable as possible				
	Easy to Install, including hose pipe with quick connectors			Manufactured with the high quality materials and components that can work under 24h*7				
	Automatic Start-stop and Constant Temperature System							

Main Technical Data Sheet

Product Name	Ice Bath Chiller							
Model No.	SY-06-HC (cooling+heating) SY-06-OC (cooling or heating)		SY-08-HC (cooling+heating) SY-08-OC (cooling or heating)		SY-10-HC (cooling+heating) SY-10-OC (cooling or heating)		SY-20-HC (cooling+heating) SY-20-OC (cooling or heating)	
Power Supply	AC100-127V 60Hz	AC220-240V 50/60Hz	AC100-127V 60Hz	AC220-240V 50/60Hz	AC100-127V 60Hz	AC220-240V 50/60Hz	AC100-127V 60Hz	AC220-240V 50/60Hz
Input Power	640W	610W	725W	710W	1170W	1150W	1500W	1950W
Compressor Powe	505W	480W	630W	605W	945W	900W	1260W	1760W
Cooling Capacity	1520W	1450W	1790W	1770W	3050W	2900W	4500W	5750W
Heating Function	Yes							
Cooling Function	Yes							
Refrigerant	R410A							
Water Temper	3-42°C / 42-3°C							
Disinfection	Built-in ozone disinfection device							
Circulation Pump	Buit-in Self-priming System							
Water filter	Installed External							
Remote control	Android APP,WIFI							
Transport wheels	Yes							
Carry handle	Yes							
Quick Connectors	Yes							
Net Weight	30KG		35KG		40KG		45KG	
Dimension	42*33*48CM		47*35*53CM		54*40*55CM			
Certification	CE (Following datas based on testing in closed insulated barrel, 30° C room temperature)							
For reference only. Water Volume& Cooling Time (23°C to 5°C)	50L≤1.5H 100L≤3.1H 200L≤5.2H 500L≤9.3H	50L≤1.9H 100L≤3.5H 200L≤5.6H 500L≤9.8H	50L≤0.8H 100L≤1.7H 200L≤3.9H 500L≤7.5H	50L≤1.2H 100L≤2.1H 200L≤4.2H 500L≤7.9H	200L≤2.8H 500L≤6.5H 1000L≤15.5H 2000L≤33.2H	200L≤3.1H 500L≤6.9H 1000L≤16.5H 2000L≤35.1H	200L≤2.5H 500L≤4.6H 1000L≤7.5H 2000L≤25.5H	200L≤2.0H 500L≤4.1H 1000L≤6.9H 2000L≤27.5H
Main Features	Excellent design with low noise			Overloading protection				
	Buit-in self-priming circulating Pump			With Anti-freeze System				
	Water and electricity separating system.			Overheating Protection				
	Leakage Protection System for Electricity			Max. Cooling Capacity in Specified Spaces				
	Buit-in OZONE disinfection device, and external water filter			Suitable For Indoor and Outdoor Cooling and Heating				
	WIFI Connection, Remote Control by iOS & Android App			Excellent value, priced to be as affordable as possible				
	Easy to Install, including hose pipe with quick connecttors			Manufactured with the high quality materials and components that can work under 24h*7				
	Automatic Start-stop and Constant Temperature System							

Installation



Warnings:

1.Clean up any dirt in photo number 2 regularly.

2.Replace the filter element in time when it swells or becomes dirty, so as not to affect the operation of the chiller.

Do not operate the chiller without the filter installed or the metal mesh filter at the inlet of the chiller



Smart Life



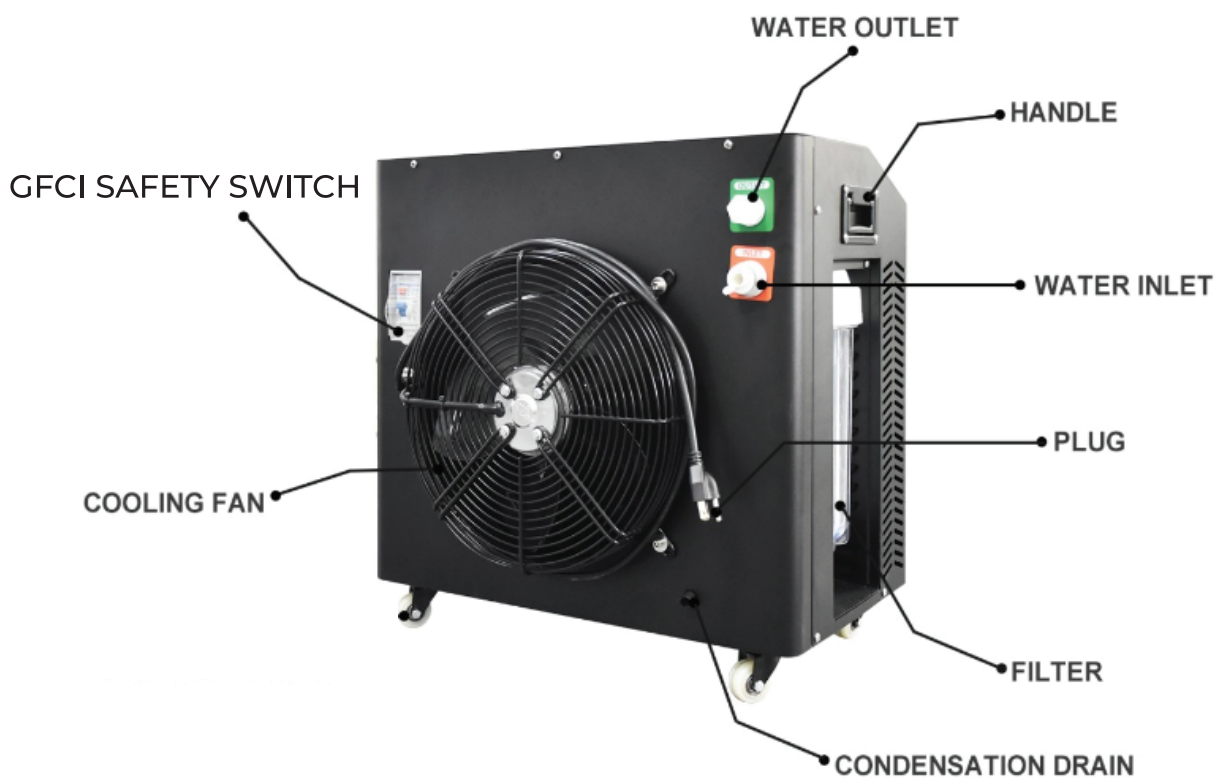
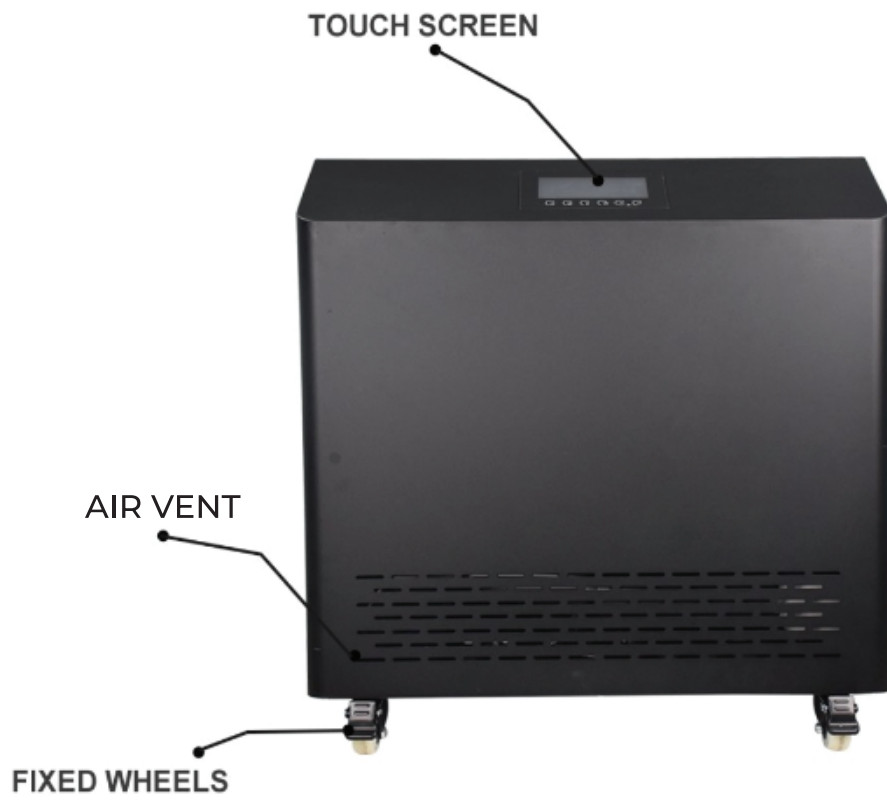
Tuya Smart

Note: Currently, Tuya can only support 2.4G WiFi signal. Therefore, before connecting the phone to the chiller, please confirm that the WiFi used by your phone is in the 2.4G frequency band. If it is in the 5G frequency band, it will not be able to connect to the chiller.

CAUTION:

- Don't operate the manual without the filter element installed.
- Make sure there is more 20 inches of free space around the chiller
- Operational Ambient Temperature: 34 F ~ 104 F
- Storage Temperature: 34 F – 104 F
- Storage Relative Humidity: 20%~85%

(Make sure that there is no water in the internal pipeline of the chiller)



Included Accessories



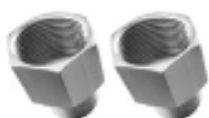
Plastic Wrench



Filter Element



Water Pipe



Quick Conector



Rubber Seal



Warning Label



Warning Label



User Manual






Specifications:



Specifications:

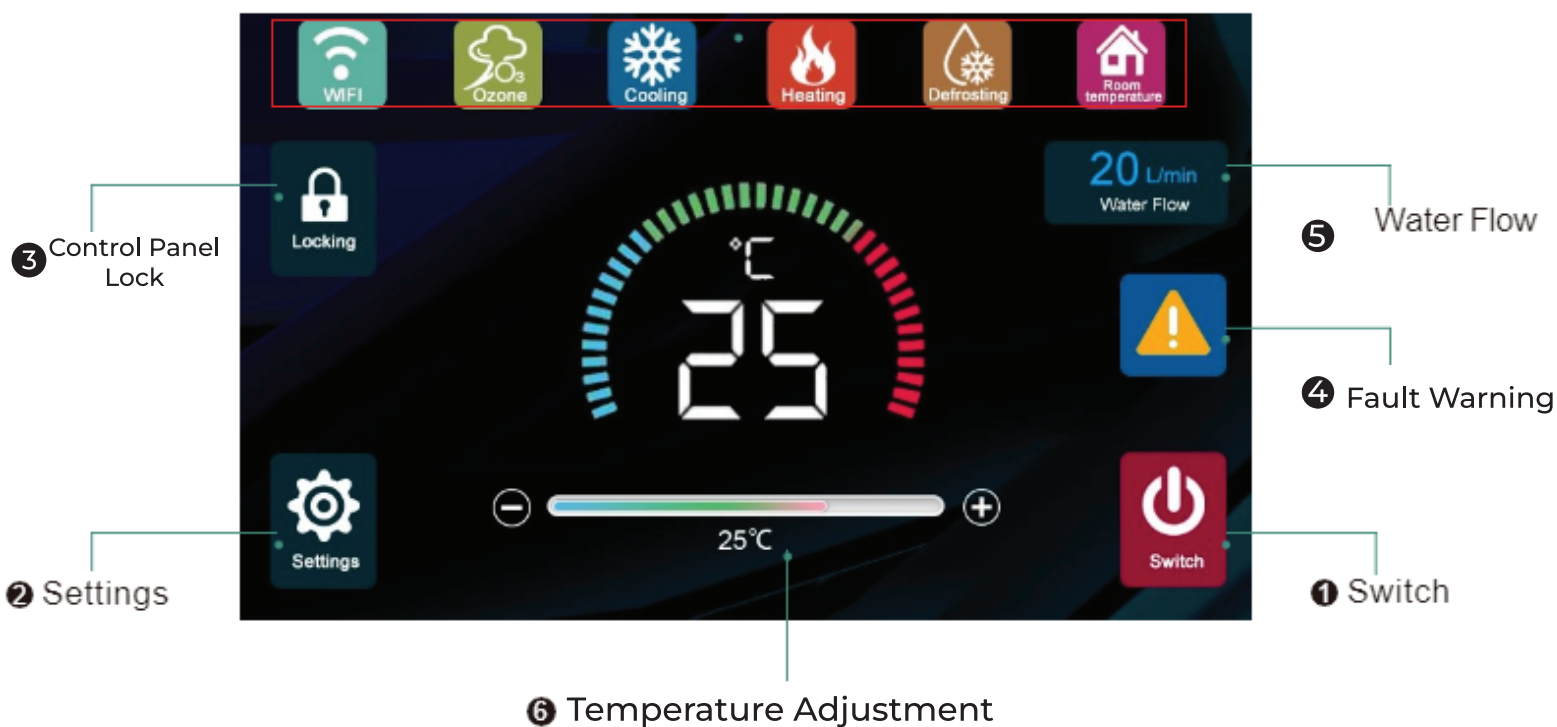
Model No.	YJ-06-MC (cooling+heating)		YJ-08-MC (cooling+heating)		YJ-10-MC (cooling+heating)		YJ-20-MC (cooling+heating)	
Power Supply	AC100-127V 60Hz	AC220-240V 50/60Hz	AC100-127V 60Hz	AC220-240V 50/60Hz	AC100-127V 60Hz	AC220-240V 50/60Hz	AC100-127V 60Hz	AC220-240V 50/60Hz
Input Power	640W	610W	725W	710W	1170W	1150W	1690W	1950W
Compressor Power	505W	480W	630W	605W	945W	900W	1450W	1760W
Cooling Capacity	1520W	1450W	1790W	1770W	3050W	2900W	3790W	5750W
Heating Function	Optional							
Cooling Function	Yes							
Refrigerant	R410A							
Water Temp.	3-42°C / 42-3°C							
Disinfection	Built-in ozone disinfection device							
Circulation Pump	Built-in Self-priming System							
Water Filter	Installed External							
WIFI Remote Control	APP in Android & IOS system							
Transport Wheels	Yes							
Carry Handle	Yes							
Quick Connectors	Yes							
AC Plug	US, UK, EU, AU, SA, TH, CH							
Net Weight	30kgs		35kgs		40kgs		45kgs	
Dimension	L43*W33*H48cm		L47*W35*H53cm		L54*W40*H55cm			
Certification	CE, SAA							
Water Volume & Cooling Time (23°C to 5°C) For reference only	50L≤1.5H 100L≤3.1H 200L≥5.2H	50L≤1.9H 100L≤3.5H 200L≥5.6H	50L≤0.8H 100L≤1.7H 200L≥3.9H	50L≤1.2H 100L≤2.1H 200L≥4.2H	200L≤2.8H 500L≥6.5H	200L≤3.1H 500L≥6.9H	200L≤2.5H 500L≥4.6H	200L≤2.0H 500L≥4.1H
	Above data based on testing in closed insulated barrel, 30°C room temperature							
Main Features	Excellent design with low noise				Overloading protection			
	Built-in self-priming circulating Pump				With Anti-freeze System			
	Water and electricity separating system.				Overheating Protection			
	Leakage Protection System for Electricity				Max. Cooling Capacity in Specified Spaces			
	Built-in OZONE disinfection device, and external water filter				Suitable For Indoor and Outdoor Cooling and Heating			
	WIFI Connection Remote Control by IOS & Android System				Excellent value, priced to be as affordable as possible			
	Easy to Install including hoses with quick connectors				Manufactured with the high quality materials and components that can work under 24h*7			
	Automatic on/off and Constant Temperature System							

Touch screen introduction










1. Turn on/off 
2. Click  Settings button to enter the second screen
3. Press  3-5 seconds to lock/unlock
4. When the machine fails, the fault icon blinks 
5. The water flow rate is displayed when the machine is operating normally
6. Temperature adjustment 
7. Status display

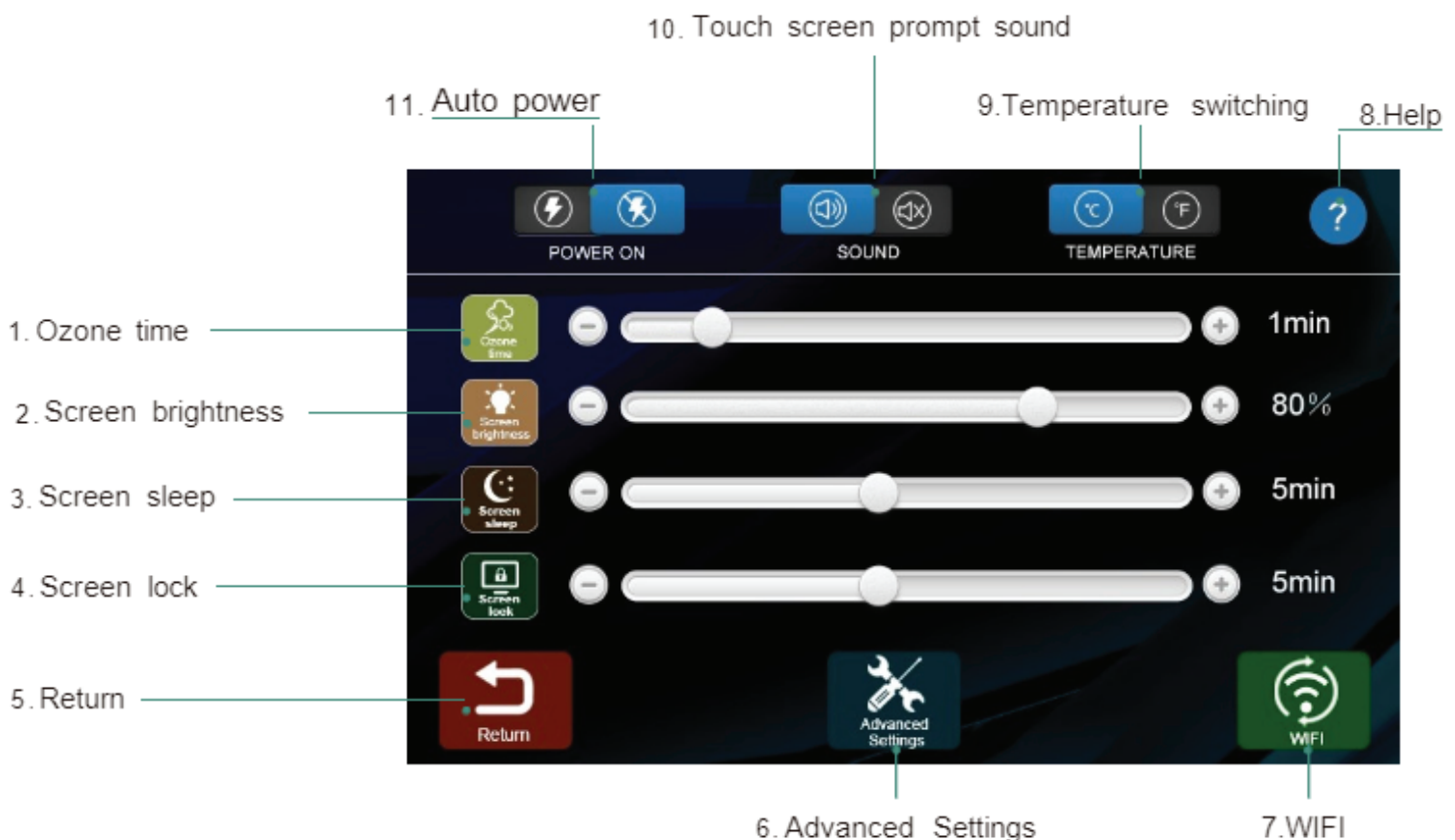
⑦ Status display

(The icon lights up and shows that the corresponding function is active. The icon is gray when that function is not active)



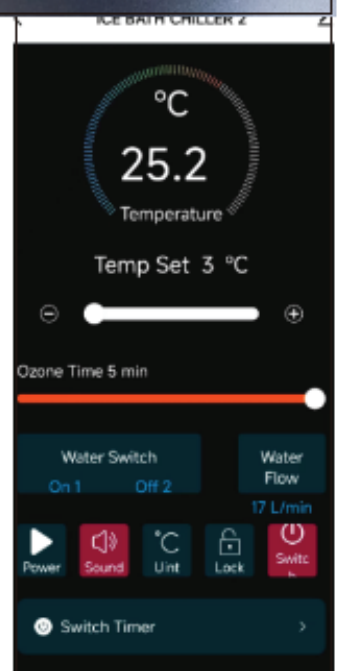
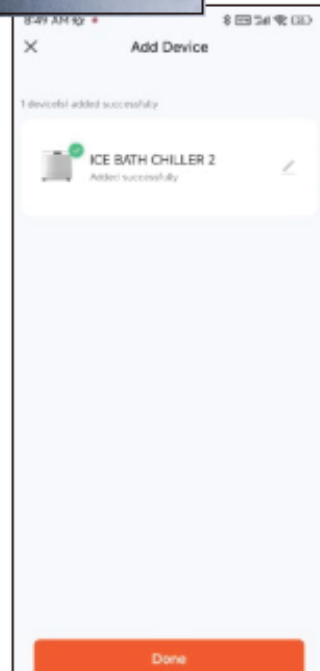
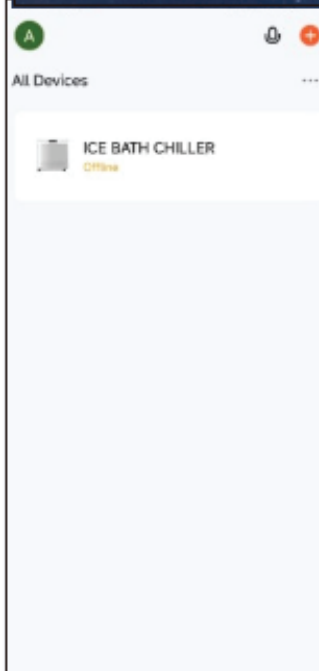
Touch screen introduction

1. Adjust the ozone time min 0 minutes, max 1 minute 
2. Adjust the screen brightness to a minimum of 10% and a maximum of 100% 
3. Adjust the screen sleep time to 0 minutes and the max to 5 minutes 
4. Adjust the min screen lock time to 0 minutes and the max to 5 minutes
5. Click return button to enter the first interface 
6. Advanced Settings 
7. Press for several seconds to turn on/off 
8. Click the help icon to scan the QR code for technical support
9. Temperature switching(°C/°F) 
10. Adjust the touch screen prompt sound, which can be muted 
11. Auto power on 



WiFi Disposition

1. Turn on the machine
2. Press the settings key
3. Press WIFI key for 3-5 seconds until the WIFI blinks
4. Open the Tuya APP on your phone.
5. Select add device
6. Turn on your phone's WIFI connection and enter password
7. Succeeded in adding a link, Enter the APP control screen



4

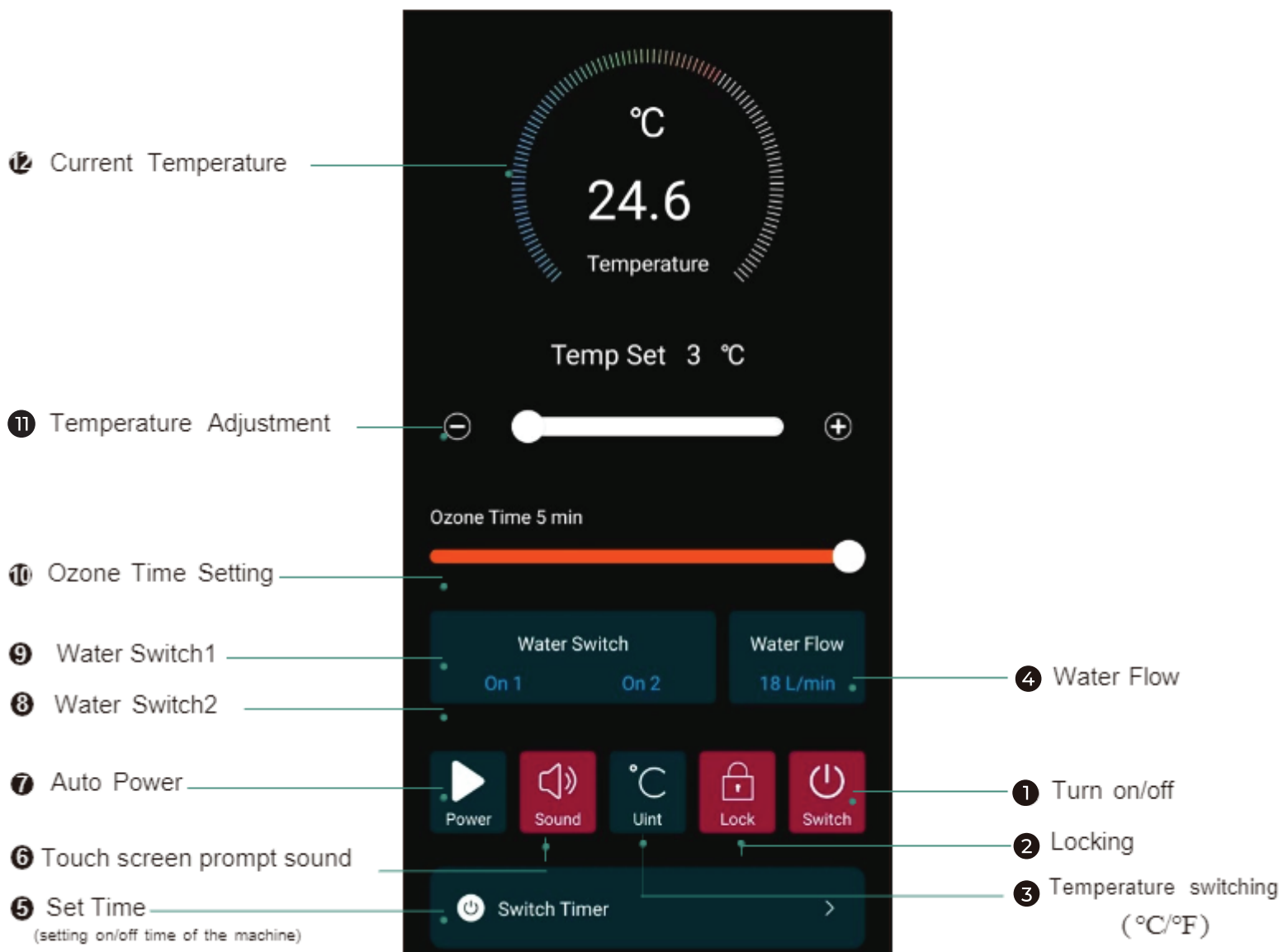
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6

7

App interface introduction

1. Turn on/off(Turn on/off the machine)
2. Locking (Machine screen lock/unlock)
3. Temperature switching(Units switch °C/°F)
4. Water Flow
5. Set Time
6. Touch screen prompt sound (ON/OFF)
7. Auto Power
8. Water Switch1
9. Water Switch2
10. Ozone time setting (Ozone time can be adjusted from 0-5 minutes)
11. Temperature adjustment (The temperature can be adjusted from 3-42 Celsius)
12. Current Temperature



If there is an error, an alarm may sound. Please review the error codes below

Error Code	Alarm	Reason	Solve Solutions	Machine Status
IN	NO	Bad panel connection	Re-plug both ends of the cable	Problem prevents operation until repaired
HH	YES	The water temperature is higher than the upper limit temperature	If there is a difference between the low water temperature and the displayed water temperature, the water temperature sensor is faulty.	Problem prevents operation
FL	YES	No water flow or too little water flow	<p>1 . No water flow: the water pump is broken or stuck, and the waterway may be blocked</p> <p>2 . Small water flow: There may be a tube pinched in the waterway, the waterflow is not smooth, or the waterway is not cleaned recently, and the scale is blocked. Flush it with an air gun.</p> <p>3 . The water flow protection switch is broken: replace the water flow switch .</p>	After clearing the problem, press and hold the mode button + setting button for 5 seconds to force the alarm off, and the machine will work normally.
Ch 1	YES	Bad Sensor (Green)	Replace the NTC1 temperature sensor, restart the machine after replacement.	Problem prevents operation until repaired
HEA	NO	Heating Failure	The machine can only perform the cooling function	Problem prevents hot water operation unless resolved but cold water operation may proceed
ICE	NO	Water temperature below freezing point	<p>Turn off the machine pour hot water into the bucket and heat it for 20 minutes. Turn the machine back on</p> <p>If the antifreeze solution is used, you can press the MODE +SET button at the same time to force the alarm off and the machine will resume normal operation.</p>	After clearing the problem, press and hold the mode button + setting button for 5 seconds to force the alarm off, and the machine will work normally.
PA	NO	Sensor failure (Red)	Replace the NTC3 Temperature sensor. Restart the machine after replacement.	Normal Operation
AA	NO	Temperature Sensor Failure	Replace. the NTC4 Temperature sensor. Restart the machine after replacement.	Normal Operation

Warranty information:

Sun Home Saunas offers a 1-year limited warranty for the Sun Home Cold Plunge™ against manufacturing defects. Please note that the warranty does not cover wear-and-tear or abuse of the product. See below for more information and limitations.

WARRANTY EXCLUSIONS AND LIMITATIONS:

Warranty periods for all covered components start from the date of delivery, and are only applicable to the original purchaser or owner.

This warranty does not cover the water filter or any loss of o-rings, filters, or gaskets for any cold plunge or other applicable products. Additionally, any other components not specified for the specific product in the above section will not be covered.

This Residential Limited Warranty becomes void if the item is used in a commercial setting, altered, neglected, misused, abused, or if freight damage occurs during transit. Additionally, any repairs attempted by someone other than a designated representative, or if the failure is caused by accident, acts of God, or other uncontrollable factors beyond the control of the manufacturer, will void the warranty. Neglect, misuse, and abuse include any installation, operation, or maintenance of the item not following the instructions provided in the owner's manual, including improper water chemistry and the use of abrasive or non-genuine cleaning agents or parts.

This warranty entails the replacement of parts found to have defects in materials or workmanship that were manufactured or supplied by Sun Home Saunas. All manufacturing defects are covered. However, certain conditions are excluded from the warranty, such as damage resulting from poor water chemistry, neglected filter care and replacement, freezing conditions, power outages, insufficient attention to low water flow, or any other form of neglect, misuse, or abuse. Regular maintenance of the product is the customer's responsibility, and any issues arising from a lack of proper maintenance or water chemistry/balance will not be covered.

Repairs performed by unapproved individuals are not covered under this warranty, and the product owner assumes full liability for such repairs. This warranty is for parts only. The warranty does not cover any service or labor costs.

In the event of any liability on the part of the manufacturer, Sun Home Saunas, it shall not exceed the original purchase value of the product covered under this warranty. Sun Home Saunas will not be held responsible for any incidental damages, such as freight damage or any other consequential damage. Additionally, Sun Home Saunas is not liable for any injury or loss resulting from any defect covered under this Limited Warranty, whether incidental or consequential, including but not limited to the loss of use of the tub, even if Sun Home Saunas was aware of the potential damage beforehand.

Regular required maintenance of products, such as tightening bands on the barrels or cleaning and staining wood, is not covered by this warranty. Please refer to your assembly manual for specific maintenance guidelines.

Sun Home will not indemnify the customer against any loss, damages or legal expense.

This Limited Warranty does not cover the accessories, such as insulating covers, or any items attached to or installed on the item after the date of manufacture, nor does it cover gaining access to any component for repair or replacement. The owner accepts responsibility for repair work performed by anyone other than the manufacturer.

LIMITATIONS ON IMPLIED WARRANTIES:

Please be aware that this Limited Warranty is the exclusive warranty provided by Sun Home Saunas and supersedes any prior, contrary, or additional representations. All other warranties, express or implied, including any statutory warranty or condition of merchantability or fitness for a particular purpose, are disclaimed, except where prohibited by law. Such warranties, if applicable, are limited to the duration of the warranty periods mentioned above. This exclusion applies even if this warranty fails its essential purposes and regardless of whether damages are sought for breach of warranty, breach of contract, negligence, or strict liability in tort or under any other legal theory. In no event is Sun Home Saunas liable for any other form of damages, whether direct, indirect, liquidated, incidental, consequential, punitive, exemplary, or special damages, including but not limited to the loss of profit, anticipated savings or revenue, income, business, production, opportunity, or reputation. Please note that some jurisdictions may not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This Limited Warranty provides you with specific legal rights, and you may also have other legal rights that vary from state to state.

LEGAL RIGHTS:

This Limited Warranty provides you with specific legal rights. No other warranties apply to Sun Home products except as expressly stated herein or as implied by applicable state and federal laws. You may have additional rights that vary from state to state. Some states do not allow limitations on how long an implied warranty lasts or the disclaimer of certain warranties, or the exclusion or limitation of incidental or consequential damages, so some of the above limitations may not apply to you.

Warnings:

ELECTRICITY NEAR WATER IS VERY DANGEROUS. PLEASE PAY ATTENTION TO SAFETY PRECAUTIONS AND BUILDING CODE TO PREVENT ACCIDENTS

This is a high power electrical appliance. Use common sense and ask for professional assistance with any questions. It also carries substantial water weight when full and requires structurally sound support for over 4000 lbs. Follow all cautions in this manual. Use at your own risk.

Liability Disclaimer: Sun Home Saunas expressly disclaims any responsibility for any damage, injury, harm, cost, expense, or liability arising out of or related to your use or misuse of this product. This product is provided on an as-is basis and without other than the specified warranty, whether express, implied, or statutory, including, fitness for a particular purpose. Some jurisdictions do not allow an exclusion of implied warranties. If you are located in such a jurisdiction, you are advised to seek legal advice to determine if this exclusion applies to you.

MAKE SURE THE LOCAL ELECTRICITY AC VOLTAGE SOURCE AT THE WALL OUTLET IS SUITABLE FOR THIS MACHINE BEFORE USING (120V AC in USA).

THIS MACHINE MUST BE GROUNDED/EARTHED WITH A THIRD PRONG IN THE WALL PLUG. THE CHILLER IS EQUIPPED WITH A GROUND CURRENT FAULT DETECTOR (GCD) CUTOFF FOR SAFETY (IN ADDITION TO THE EARTH GROUND) ON THE SIDE OF THE ENCLOSURE (RED TEST BUTTON AND BLUE TOGGLE SWITCH). THE GCD DOES NOT REPLACE THE NORMAL CIRCUIT BREAKER AND IS ONLY FOR DETECTING A LEAKAGE CURRENT THAT WOULD INDICATE A SHORT CIRCUIT OR OTHER FAULT. USE THE SEPARATE RED POWER SWITCH TO TURN THE CHILLER ON/OFF (I/O POSITIONS)

DON'T FORGET TO TEST THE GCD ONCE A WEEK AT LEAST. DON'T USE THE MACHINE IF IT HAS ANY PROBLEMS SUCH AS THE RESET BUTTON NOT WORKING AFTER PRESSING TEST. ALWAYS UNPLUG THE CHILLER FROM THE WALL OUTLET BEFORE GETTING IN THE TUB. NEVER PUT THIS MACHINE INTO THE WATER. AND DON'T SPRAY THE MACHINE WITH WATER. DO NOT GET THE CHILLER MECHANISM WET. KEEP IN A COVERED DRY SPACE TO PRE-CHILL, FILL THE BATH WATER FROM THE COLD TAP FOR A COLD PLUNGE. TAKE THE WALL PLUG OUT OF THE OUTLET AND TURN OFF THE POWER SWITCH BEFORE USING THE PLUNGE BATH. ALTHOUGH THIS MACHINE HAS PASSED SAFETY TESTS, WE RECOMMEND NEVER KEEPING THE MACHINE ON OR PLUGGED IN WHILE USING THE PLUNGE BATH.

KEEP CHILDREN AWAY FROM THE CHILLER AND PLUNGE BATH.

DON'T COVER OR BLOCK THE AIR INLET AND/OR AIR OUTLET IN USE.

MAKE SURE THERE IS MORE 30 cm (12 inches) FREE SPACE AROUND THE MACHINE.

DON'T EXTEND THE WATER HOSE WHICH MAY AFFECT THE WATER FLOW, AND WHICH WOULD REDUCE THE COOLING EFFICIENCY OR MAKE IT HARD TO REACH THE TARGET TEMPERATURE.

WE RECOMMEND EMPTYING THE WATER IN THE TUB TWICE A WEEK. DURING COLD MONTHS, THE WATER CAN ICE UP AND MUST BE CHANGED SO IT DOESN'T DAMAGE THE CHILLER. KEEP THE SCREEN INTAKE CLEAR. KEEP THE ENVIRONMENT VENTILATED. THE MAX ALLOWABLE TEMPERATURE OF THE AMBIENT AIR IS 45 DEGREES CELSIUS (113 DEGREES FAHRENHEIT).

KEEP YOUR HAIR, FINGERS, TOWEL, ETC. AWAY FROM THE FAN OF THE ICE-BATH MACHINE AND WATER FLOW HOLES.

ONLY A PROFESSIONAL MECHANIC WITH THE RIGHT QUALIFICATIONS CAN REPAIR THE SYSTEM.

THE TUB FILLED WITH WATER CAN WEIGH OVER 4000 LBS. BE SURE THE FLOOR CAN SUPPORT SUCH A LOAD. DO NOT FILL AT THE EDGE OF A CANTILEVER DECK.

1. Do not block the fan outlet. Otherwise, it will reduce the heating and cooling effect and waste power

2. The equipment must be kept clean. Regularly check and clean the surfaces and DO NOT touch the fan during the operation of the equipment to avoid hurting fingers

4. Pay attention to whether the rated voltage of the product is consistent with the AC supply voltage of the home DO NOT touch the switch with hands, nor any of the electrical components

Working Temperature: 1°C~40°C (equivalent to 33.8 -104 deg Fahrenheit)

Storage Temperature: -20°C~55°C (- 4 to 131 deg Fahrenheit)

Storage Relative Humidity: 20%~85%

DO NOT USE WHILE UNDER THE INFLUENCE OF ALCOHOL OR RECREATIONAL DRUGS. CONSULT YOUR DOCTOR BEFORE USE IF YOU'RE CURRENTLY TAKING ANY PHARMACEUTICAL DRUGS, INCLUDING OVER THE COUNTER DRUGS.

IF USING YOUR PLUNGE AS A HOT TUB, YOU MUST USE STANDARD HOT TUB SANITIZING CHEMICALS SUCH AS CHLORINE, LIKE YOU WOULD USE IN A NORMAL SPA. BACTERIA EASILY GROWS IN WARM WATER IF NOT TREATED WITH CHEMICALS. WE RECOMMEND KEEPING THE PLUNGE BELOW 50°F FOR BEST PERFORMANCE.

SUNHOMESAUNAS IS NOT RESPONSIBLE FOR ANY PROBLEM OR INJURY THAT RESULTS FROM POOR INSTALLATION AND ABNORMAL USE

IF USING YOUR PLUNGE AS A HOT TUB, YOU MUST USE STANDARD HOT TUB SANITIZING CHEMICALS SUCH AS CHLORINE, LIKE YOU WOULD USE IN A NORMAL SPA. BACTERIA EASILY GROWS IN WARM WATER IF NOT TREATED WITH CHEMICALS. WE RECOMMEND KEEPING THE PLUNGE BELOW 50°F FOR BEST PERFORMANCE.



www.sunhomesaunas.com

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How to Set Schedules

Should I run the chiller all the time/continuously? When not in use should I turn off the chiller?

You can run the unit all the time with no issues.

If you don't want it to use as much power you can schedule an increase in the temperature on the app (in the "scene" tab, here's a [walkthrough video](#)) when you don't need the water cold so the chiller doesn't kick on as often when not in use, then decrease the temperature a few hours before your daily plunge time. When on idle the pump uses only 88W which circulates the water continuously.

If you don't want to run all the time you could turn on the chiller for 4 hours before you plunge and turn off 2 hours after you plunge using the app scheduling feature (in the "scene" tab, here's a [walkthrough video](#)). This will ensure you will be at your desired temperature when you plunge and water is circulated completely to keep your tub water clean.