

# LUMI

mini**ULTRA**  
COMPACT CHILLER

USER MANUAL



# LUMI

## CAUTION

- Do not install the chiller in closets, cabinets, or other small unventilated places.
- Make sure there is 100cm clear space around the chiller vents when in use.
- Never cover the intakes or exhaust openings with clothes, towels, or other objects.
- Never turn, or store the chiller upside down.
- Do not climb, sit, or stand on the chiller, or place objects on top of it.
- Use extreme caution when operating near children, the elderly or infirm.
- Never insert fingers or foreign objects into the ventilation grilles or other parts of the chiller.
- Do not place heavy objects on the power cord or run the cord under carpets or rugs.
- Do not touch, or use the chiller with wet hands.
- The operators of the chiller must be at least 18 years old.

# WARNING



**Electricity is very dangerous, in order to prevent accidents or death please pay attention to safety and ensure you fully read this instruction manual before use.**

1. During and after transportation, the miniULTRA™ unit must stay upright on a stable surface at all times.
2. After transportation, and before use, the chiller must be left for 24hrs for the refrigeration gas to settle.
3. Make sure there are no water leaks from the miniULTRA™ unit, or inlet and outlet pipes when connected to the Recovery PRO.
4. Make sure the miniULTRA™ unit is plugged into an AC socket or extension cable that is suitable for use, properly grounded, has a built in surge protector and preferably is IP65 rated.
5. Ensure the miniULTRA™ unit is kept dry at all times, do not immerse, splash or spray the unit with water. If the unit does get wet, unplug it immediately and do not use.
6. Never leave the miniULTRA™ unit switched on when using the Recovery PRO, always ensure the unit is switched off during your cold water therapy session.
7. If the miniULTRA™ unit stops working or doesn't work when switched on, unplug it immediately and do not use.
8. Always repeat the steps in the FIRST USE section, when you use the miniULTRA™ unit.
9. We accept no responsibility for misuse or failure to use this equipment safely as instructed.



You can use the **Tuya Smart** or **Smart Life** mobile app to control your miniULTRA™ unit via WiFi. Download the app from the respective app store for your device. Use the QR Code below to start now.

Please note: As these are both 3rd party apps, we accept no responsibility for incompatibility or issues when using this with your LUMI miniULTRA™ unit.



Tuya Smart



Smart Life

At present, Tuya Smart 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. It will not be able to connect to the chiller if it is in the 5G band.



Follow this QR Code for our  
product guides and videos  
YOUR JOURNEY BEGINS!



## TAKE A MOMENT TO FIND OUT WHAT'S IN THE BOX

- 1 x LUMI miniULTRA™ External Chiller Unit
- 1 x Washable particle water filter
- 2 x Water pipes
- 1 x Power cable



## UNPACKING YOUR LUMI miniULTRA™ CHILLER

1. First find a suitable ventilated area and flat solid surface to unpack and set up.
2. Complete the steps in the QUICK START GUIDE to assemble your LUMI miniULTRA™ unit.
3. Read carefully through this user manual before using the LUMI miniULTRA™ unit.

### CUSTOMER SUPPORT

If you have any questions about setting up or using your LUMI product, please visit our website for further information, faqs, troubleshooting and customer support.



TRUST THE PROCESS

We always end up  
right where we are  
supposed to be,  
right when we are  
meant to be there.

Sometimes we just  
need a little time  
to recover.

#lumitherapy

## QUICK START GUIDE

### SETTING UP THE miniULTRA™

1. Ensure you have assembled your **LUMI Recovery PRO™** ice bath **first** before continuing.
2. Place the **miniULTRA™** chiller on a stable surface near to the **LUMI Recovery PRO™** ice bath.
3. Connect both the **Inlet** and **Outlet** water pipes, and ensure the valves are 'hand tight'.
4. Ensure the **particle water filter** is installed, and is fully secured using the supplied wrench.
5. Your **LUMI Recovery™** ice bath can now be filled with cold or hot water.
6. Never fill your **LUMI Recovery™** ice bath to more than  $\frac{3}{4}$  full so to compensate for your body mass and displacement of water when you enter. It's always best to start  $\frac{1}{2}$  full and then adjust afterwards.

### FIRST USE - SWITCHING ON THE miniULTRA™

1. Ensure both the **Inlet** and **Outlet** water pipe valves between the ice bath and chiller are **open**.
2. Next, on the **miniULTRA™** chiller; **remove the drain cap** so the air in the machine can be discharged. Securely reattach the drain valve once you see water coming out.  
*This will prevent water flow failure and damage to the machine.*
3. Plug in and switch on the **miniULTRA™** unit, the unit will self-prime until its ready to use.
4. Once the chiller has finished its priming cycle it will start to chill and filter the water.
5. It can take up to 3hrs+ to chill the water from 18°C down to a frosty 3°C.
6. Once the desired temperature is reached, switch off the **miniULTRA™** unit before starting your cold water therapy session.

**Note:** When you have finished using the **miniULTRA™** chiller unit, and you have disconnected it from the ice bath, storing it for use at another time; ensure to **remove the drain cap** and that the water in the machine is fully discharged.

Repeat the above steps (first use), when you use the **miniULTRA™** chiller unit again.

### LCD DISPLAY WITH WIFI

Your can control your LUMI miniULTRA™ unit either via the built in display or WIFI enabled mobile app for ease of use.

### BUILT TO LAST

The LUMI miniULTRA™ housing is built with a strong lightweight steel case, finished in a easy to clean mirror finish.

### WATER FILTER

The LUMI miniULTRA™ not only chills but helps keep your ice bath water clean with a washable water filter.

### PLUG & PLAY

Quality built hoses easily connect between the LUMI miniULTRA™ and the LUMI Recovery PRO ice bath, circulating fresh, clean, cold water.







**QUALITY BUILD**

The LUMI miniULTRA™ unit is the industry's best mini chiller and filter combination, low maintenance, made to last, with insulated housing and quality built components.

**SUPER COOLING**

The LUMI miniULTRA™ unit can chill the water down to lows of 3°C (37°F).

**WATER FILTER**

This is where you install the washable particle water filter.

**DRAIN TAP**

This is where you can drain the water from the LUMI miniULTRA™.

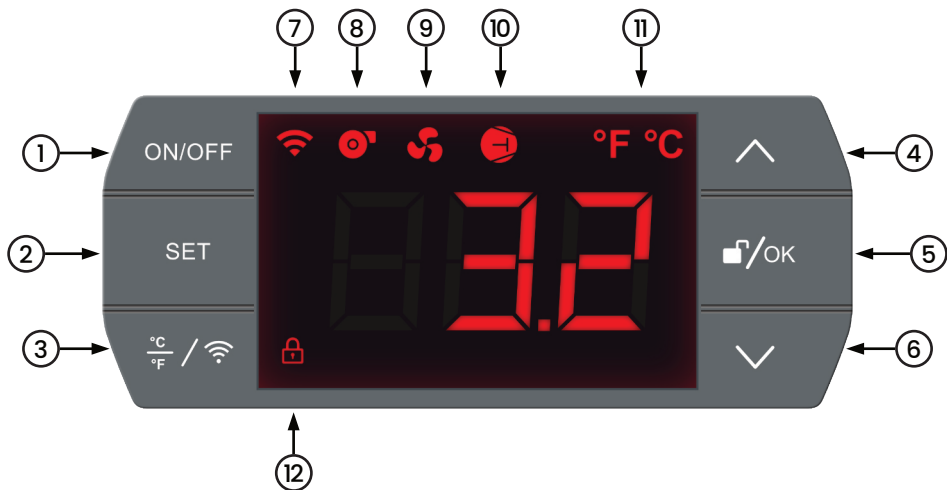




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**LUMI**  
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## LCD CONTROL PANEL INTRODUCTION\*



- |                  |                                  |           |                             |
|------------------|----------------------------------|-----------|-----------------------------|
| 1. <b>ON/OFF</b> | Power ON/OFF                     | 7.        | WiFi                        |
| 2. <b>SET</b>    | Set temperature / Program menu   | 8.        | Water pump                  |
| 3.  /            | Change units (°C or °F) / WiFi   | 9.        | Fan                         |
| 4.               | Up arrow key (+)                 | 10.       | Compressor                  |
| 5.               | Ok (save and exit) / lock screen | 11. °F °C | Celsius or Fahrenheit units |
| 6.               | Down arrow key (-)               | 12.       | Screen lock                 |

\* LCD control panel may differ slightly in color, shape or functionality. Please contact us for further information.

## POWER ON AND OPERATION

1. Press the **ON/OFF** button to turn on the **miniULTRA™** chiller (hold to turn off).
2. Press **SET** to adjust the required temperature (3°C - 45°C), press **↵/OK** to confirm.
3. Press and hold the **↵/OK** button for 3 seconds to lock and unlock the screen.

## PROGRAM MENU

Program	Specification	Unit	Value Range	Default value
P1	Return difference	Degrees (°C / °F)	0.1° - 10°	2°
P2	Compressor delay	Minutes	1 - 5 mins	3 mins
P3	Calibrate	Degrees (°C / °F)	-20° ~ +2°	0.0°



1. Press and hold **SET** for 5 seconds to access the **Program menu**.
2. 'Short' press **°C/°F** / **📶** to select your desired temperature unit (°C or °F).
3. Press **⬆** or **⬇** arrow buttons to choose program (P1, P2 or P3).

- P1**
1. Press **SET** once to display the default value of 2° (°C / °F).
  2. Use the arrow keys to adjust the default temperature value, press **↵/OK** to exit.

- P2**
1. Press **SET** once to display the default value of 3 minutes.
  2. Use the arrow keys to delay the start time of the compressor, press **↵/OK** to exit.

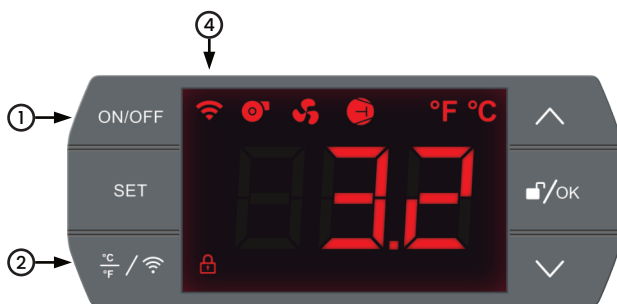
- P3**
1. Press **SET** once to display the default value of 0.0°.
  2. Use the arrow keys to adjust the calibration temperature, press **↵/OK** to exit.

## ENABLE WIFI REMOTE CONTROL PAIRING MODE

1. Press the **ON/OFF** button to turn on the **miniULTRA™** chiller.
2. Hold down **°C / °F** /  for 5 seconds, until the WiFi icon  starts flashing, the chiller is now in pairing mode, and ready to connect to the **Tuya**, or **Smart Life** mobile app.
3. The **Tuya**, or **Smart Life** mobile app can now be used to detect, and connect to the **miniULTRA™** chiller WiFi pairing signal.
4. Once successfully paired, the WiFi icon will remain lit (not flashing).



Tuya Smart



Control your LUMI miniULTRA™ unit via an iOS / Android app\*

## FAULT CODES

- E1 Water temperature sensor broken.
- E2 No water flow switch signal.
- L1 Low water temperature alarm (below 0°).
- H1 Water temperature alarm (above 55°).

\*Mobile phone not included.

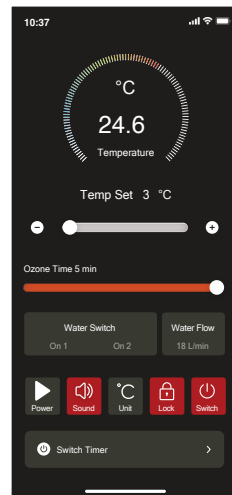
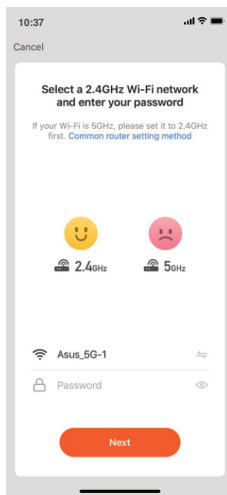
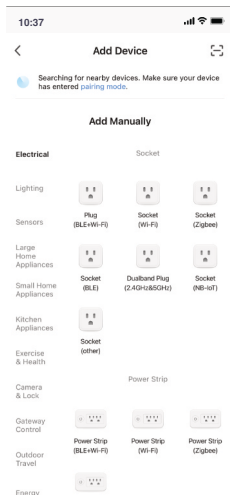
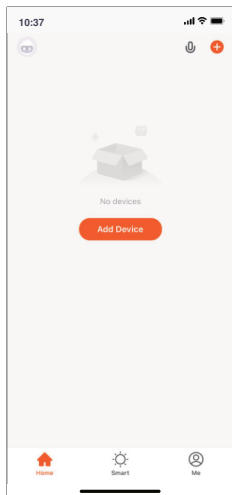
Tuya Smart & Smart Life mobile apps are both 3rd party apps, LUMI accepts no responsibility for incompatibility or issues when using this with your LUMI miniULTRA™ unit.

## PAIRING THE TUYA MOBILE APP TO THE miniULTRA™ CHILLER

1. Ensure your mobile WiFi is switched on
2. Open the Tuya app (or Smart Life) on your Apple iOS/Android phone
3. Select 'Add device' (app auto-detects if the chiller is in pairing mode, else choose manually)
4. Choose your WiFi connection and enter your WiFi password
5. Once connection has been established, you can then enter the chiller app control panel



Tuya Smart



## SAFETY & USAGE NOTES

### MAINTENANCE, CLEANING & STORAGE

1. Never install your **miniULTRA™** unit in closets, cabinets, or other small unventilated places.
2. Ensure there is **100cm clear space** around the **miniULTRA™** unit vents when in use.
3. Never leave the **miniULTRA™** unit outside in temperatures **below 1°C**.
4. Never clean your **miniULTRA™** unit with strong bleach-based detergents.
5. To empty your **miniULTRA™** unit, use the drain tap located at the rear of the unit. Take care with the drain tap, don't force it and make sure it is fully closed after use.
6. Though not essential, to ensure a long service life and for hygiene purposes, we recommend draining, cleaning and drying your **miniULTRA™** every two to three weeks.
7. Repeat the steps in the **FIRST USE** section, when you use the **miniULTRA™** chiller unit again.



## SPECIFICATIONS

Model No.	LUMI miniULTRA Chiller unit (LM-03-OC)
Power Supply	AC220-240V 50/60Hz
Input Power	350W
Compressor Power	250W
Cooling Capacity	770W
Cooling Function	Yes
Heating function	No
Refrigerant	R134A
Water Temp.	3 - 42°C / 37.4 - 107.6°F
Water Filter	Installed
Circulation Pump	Built-in self-priming system
WiFi Remote Control	iOS & Android Mobile app
Carry Handles	Yes
Quick Connectors	Yes
AC Plug	UK
Net Weight	18kg
Dimensions	24.5(W) x 39.5(D) x 35.2(H)cm
Certification	CE



SPECIFICATIONS CONTINUED

Model No.	LUMI miniULTRA Chiller unit (LM-03-OC)
<b>Water Volume &amp; Cooling Time</b> (23°C to 5°C) For reference only	50 ≤ 3.0H 100 ≤ 5.5H 150 ≤ 9.0H  <b>Above data based on testing in closed insulated ice barrel, 28°C room temperature</b>
<b>Main Features</b>	Suitable for indoor & outdoor use
	LCD display panel with touch sensitive buttons
	WiFi remote control via iOS & Android app
	Clean design with low output noise
	Constant temperature system
	Washable particle water filter
	Easy to install quick connecting hoses
	Automatic on/off
	Built-in self-priming circulation pump
	Water and electricity separating system
	Max. cooling capacity in specified spaces
2 Year limited warranty	

## HOW LONG SHOULD YOU STAY IN COLD WATER?

Cold water therapy works best with the right combination of time and temperature. For example, if you are in water with a temperature of 10°C, we would recommend you stay for no more than 10mins.

### Temperature to Time examples:

- 1°C = 1 minute submersion
- 2°C = 2 minutes submersion
- 3°C = 3 minutes submersion
- 5°C = 5 minutes submersion
- 10°C = 10 minutes submersion
- 15°C = 15 minutes submersion

Follow this QR Code to access our quick breathing guide to help you get started with your cold water therapy experience



# PRODUCT SPECIFICATIONS

**LUMI**  
mini**ULTRA**  
COMPACT CHILLER



## Unit

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18kg weight

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24.5(W) x 39.5(D) x 35.2(H)cm

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220-240V AC input

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770W cooling

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RI34A refrigerant

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Safety shutoff

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## Specifications

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Portable 'all-in-one' contained unit

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WiFi enabled remote control system (mobile app)

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Self-priming circulation pump

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Washable particle water filter

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Cools water down to 3°C (37°F)

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Minimum working temperature -10°C (14°F)

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Access our library of free personal training videos and guides on our website to learn how to get the most out of your LUMI product and achieve the results you want.

**THERE  
ARE NO  
LIMITS**



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