

Chiller & App Guide

Your BlueCube chiller controller and the Smart Life app — C3 and select builds

WELCOME Your BlueCube's chiller is run by a standalone touch controller mounted on the unit, and by the Smart Life app on your phone. This guide gets your phone connected first, then covers the five things every owner should know. Ten minutes and you're set.

Get Started — Connect Your Phone First

The easiest way to run your chiller is from your phone. The controller works with the **Smart Life** app — search "Smart Life" in the Apple App Store or Google Play Store and download it (it's free).

1. **Open Smart Life** and create an account when it prompts you.
2. **Get your phone ready:** connect it to your home Wi-Fi network, and turn on Bluetooth and location — the app uses both to find the chiller. **The chiller joins 2.4 GHz Wi-Fi networks only** — if your router combines 2.4 and 5 GHz under one network name, connect your phone to the 2.4 GHz band while pairing.
3. **Wake the controller:** double-tap the **UNLOCK** button (bottom-right of the keypad). The lock icon turns off when the screen is unlocked.
4. **Put the controller in pairing mode:** with the normal temperature display showing (no settings menu open), press and hold **SET** for about 8 seconds. The screen flashes for a few seconds and the Wi-Fi icon starts blinking rapidly — that means the controller is ready to pair.
5. **In the app,** tap the + in the top-right corner, then **Add Device**. The app finds the chiller — tap **Add**.
6. **Enter your Wi-Fi network name and password** when prompted, tap Next, and give it a moment. When the app says the device was added, tap **Done**.
7. **Confirm it worked:** the Wi-Fi icon on the controller stops blinking and stays lit. In the app you'll see your chiller's dial with the current water temperature, a Set Temp slider, and power controls.

TIP If the app doesn't find the chiller, the controller may have dropped out of pairing mode — double-tap UNLOCK and hold SET for 8 seconds again, then retry from the + button.

The 5 Things To Know

1. Connect your phone

Covered above — do it first. Once paired, you can check the water temperature, change the set point, and turn the chiller on and off from anywhere.

2. Set your temperature — and always start the pump first

The chiller has a hard rule: **the pump must be running before the chiller runs**. The RUN button only starts the unit after the pump is on.

1. Press **PUMP** and confirm water is circulating.
2. Press **RUN** to start the chiller.
3. To change the target temperature at the controller: double-tap **UNLOCK**, press **SET** once — the Set Temp digits are now adjustable — then use **UP** and **DOWN** to pick your temperature. Hold **SET** to exit. (Or just drag the Set Temp slider in the app.)
4. When the water reaches your set point, the **Constant Temp** icon lights up.

TEMPERATURE We recommend not setting your BlueCube below **37°F**.

3. Unlocking the advanced settings (when you need them)

The deeper settings are password-protected on purpose — so a curious guest or gym member can't change how your chiller runs. When *you* need in:

1. Double-tap **UNLOCK** to unlock the screen.
2. Press **SET** twice. The password field appears showing **850**.
3. Use **UP** and **DOWN** to change the number to **860** — that's the password.
4. Press **SET** to confirm. You now have access to the full settings list below.

4. What the settings mean

Once unlocked, press **SET** to step through the numbered settings and **UP/DOWN** to change the one on screen. Hold **SET** to exit. These are the ones an owner might actually use:

Setting	Name	What it does
P00	Set temperature	Your target water temperature — same thing as the Set Temp slider in the app.
Pd	Password	Protects everything below it. Enter 860 to get in.
P01	Temperature calibration	Nudges the displayed temperature up or down (as much as $\pm 18^\circ\text{F}$) so it matches the real water temperature. See #5 below.
P02	Return difference	How far the water can warm above your set point before the chiller kicks back on. Example: set point 40°F with a 3°F return difference — the chiller restarts at 43°F .
P05	Temperature unit	0 = Celsius, 1 = Fahrenheit.
P06	Working mode	Set to SC (cooling only) on BlueCube builds — leave it there. Your BlueCube never heats through the chiller; heating is deliberately disabled so the chiller and heater can't fight each other.
P03–P04, P07–P20	Service settings	Defrost timing, safety limits, protection thresholds, start-up delays. These are set for your unit before it ships — don't change them .

WARNING Never hold **UP** and **DOWN** together for 5 seconds while the pump is off — that resets the controller to factory defaults and wipes your settings (the screen flashes for 5 seconds when it happens).

If it happens, redo P05 and your set temperature, and call us to walk back through the rest.

5. Set Fahrenheit — and fix a chiller that reads wrong

Check the display on first startup — it should read in Fahrenheit. If yours is showing Celsius, or the numbers just look off, here's how to fix it yourself in under a minute:

- **Showing Celsius?** Unlock the advanced settings (#3), step to **P05**, and change it to **1**. The display switches to °F.
- **Reading doesn't match the water?** Check the water with a reliable thermometer and compare it to the Cur Temp on the screen. If they disagree, set **P01** to the difference — for example, if the screen reads 3°F warmer than the water, set P01 to -3. The display now tracks reality.

What The Lights & Icons Mean

Icon	What it's telling you
Wi-Fi	Solid: connected to the app. Blinking slowly: not connected — check your Wi-Fi. Blinking rapidly: pairing mode (it's waiting for your phone).
Constant Temp	Solid: the water has reached your set temperature. Off means it's still working toward it.
Defrost	Solid: the chiller is running a defrost cycle. Normal — let it finish.
Alarm (red triangle)	Blinking: a fault has occurred and an error code is showing — see the next section. Off means all clear.
Lock	Solid: the screen is locked (it locks itself after a few seconds of no touches). Double-tap UNLOCK to wake it.

NOTE The keypad also has OZONE and UV LIGHT buttons. These are **not used on BlueCube builds** — your unit's sanitation equipment runs independently of the chiller controller. You can ignore both buttons; pressing them doesn't operate anything on your unit.

If You See An Error

When the alarm icon blinks, the screen shows an error code. Double-tapping UNLOCK silences the buzzer. Here's what the codes mean in plain English:

Code	What's going on	What to do
Err 001 / Err 002	A water temperature sensor isn't reading correctly.	Call us — this is a service item.
Err 003	The pump started but the chiller isn't seeing water flow.	Confirm the tub is filled and the pump is actually circulating water. Then power the chiller off and back on. If it returns, call us.

Err 004 / Err 005	A refrigerant pressure fault (low or high).	Power off and back on. If it returns, call us — don't keep running it.
Err 006	The compressor drew too much current and shut itself down.	Power off and back on. If it returns, call us.
Err 007 / Err 008	A defrost-sensor or sensor-mismatch fault.	Call us.
Err 009 / Err 010	The water temperature went outside the safe operating limits, so the chiller protected itself.	Let the water return toward normal, then power off and back on. If it returns, call us.
Err 888	The controller lost communication with the chiller.	Call us.

GOOD TO KNOW Errors 003, 004, 005, and 006 are *locking* faults — the chiller stays stopped and keeps alarming until you manually turn it off and back on, even after the underlying issue clears. That's by design, so a problem can't quietly repeat itself.

For anything this page doesn't cover, see the **BlueCube Troubleshooting Guide** — or just call. We'd rather hear from you early than late.

Support

Service Line: **541-393-9149** · service@bluecubebaths.com

Questions?

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