



KONA LABS LevelSmart Wireless Autofill Upgrade Kit User Guide

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Quick Start for LevelSmart installation:

BEFORE BEGINNING BRING WATER TO DESIRED LEVEL

For more detailed instructions visit www.KonaLabs.com/Pages/Help

INSTALL THE VALVE

STEP 1

- ✓ Plumb the valve into the designated water fill line, or “T” it into the pool return plumbing after the filter and pump equipment from a nearby water source. You can use a water spigot, or “T” off of a nearby irrigation line or similar. Add a pressure regulator if desired.
- ✓ Fill the pool to the desired water level.
- ✓ Make sure valve solenoid is in “OFF” POSITION. This only applies to the solenoid valve kit.

INSTALL AND CONNECT VALVE CONTROLLER

STEP 2

- ✓ For best results mount the Valve Controller in a protected area out of direct sunlight and rain exposure. It is weatherproof rated but is always better tucked away from the elements if possible.
- ✓ Mount the valve controller using mounting screws provided in the accessory pack.
- ✓ Use the wire nuts provided in the accessory pack to connect the valve controller wires to the valve wires.
- ✓ Connect the Valve Controller to the power supply transformer with the two-pin plug, then plug into a power source.
- ✓ All 3 LED lights will flash in sequence from the bottom LED to the top and over again indicating it is in pairing mode. Leave it scrolling and move to the next step.

CONNECT ANTENNAS TO VALVE CONTROLLER

STEP 3

- ✓ Connect all antennas, and tighten connections.
- ✓ Place antenna tip temporarily in desired mounting position off the ground.

PAIR SENSOR AND VALVE CONTROLLER

STEP 4

- ✓ Make sure the Valve controller is flashing in a sequence indicating it is in pairing mode.
- ✓ Take sensor to pool and remove magnet above the position in the pool where it will live. Leave on coping and watch the pairing process take place at the Valve controller. Gold Action light will flash for about 2.5 minutes.
- ✓ Once Pairing is successful you will have a solid green sensor LED.
- ✓ If pairing is not successful, place the valve controller into pairing mode by unplugging and plugging it back in, then place the magnet on the controller for 16 seconds or longer and remove it.

ADHERE SENSOR AND MOUNT ANTENNA

STEP 5

- ✓ Clean/scrub the area where the Water Level Sensor is to be mounted. Then dry the area. The sensor will be mounted with the bottom half in the water.
- ✓ Be sure to mount the Water Level Sensor where the desired water is about ½ inch 1.5 inch up on the sensor. Anywhere in that range is fine.
- ✓ Knead the epoxy thoroughly and spread it on the dry back surface of the Water Level Sensor, then firmly press the Water Level Sensor against the mounting surface for at least 90 seconds. ****MAKE SURE THE SENSOR IS SITTING ½ inch 1.5 inches into the desired water level!**



SET AND CALIBRATE YOUR WATER LEVEL:

STEP 6

- ✓ After Water Level Sensor adheres, use the magnet to calibrate the water level. To Calibrate the water level use the magnet and place it on the sensor as seen on the red box diagram below hold it for 2 seconds then remove it. You will see a green light flash 3 times on the sensor. This indicates calibration has begun. You will see green SENSOR light flash on the valve controller for about a minute as it sets your water level.
- ✓ You will end up with a **SOLID GREEN SENSOR** light. Now the pool is going to fill for 7 minutes. If you don't want more water shut off the water supply or turn down the flow control knob for this 7 minutes. This is to ensure your valve works and you can see it work before leaving. If your valve is not opening and putting water into your pool, re-do wire nuts to make sure connections are solid.

YOU ARE NOW PAIRED AND HAVE SET YOUR WATER LEVEL!



ADJUST FLOW CONTROL VERY IMPORTANT FOR SPA APPLICATIONS!

STEP 7

✓ If you are installing this on a smaller body of water like a spa or small pool, make sure you reduce the flow control knob (middle knob) so it puts less water in on each fill. Tighten down halfway on the flow control knob.

Completed install checklist:

- ✓ Valve is in the OFF position
- ✓ The only LED on the Valve controller is Green Sensor LED
- ✓ The valve turned on for 7 minutes after you calibrated the water level.
- ✓ The water level was calibrated between ½ inch and 1.5 inches on the sensor.
- ✓ Keep magnet in a safe spot near valve controller for future engagement with LevelSmart.
- ✓ Understand how LevelSmart works: After installation and pairing – The LevelSmart sensor will wake up every 30 minutes, take your current water level measurement and communicate that information wirelessly to the Valve Controller. If water is needed, the controller will open up the valve and fill it for 7 minutes. Then check your water level again 30 minutes later.



For more detailed instructions visit
<https://konalabs.com/Pages/Help>

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