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## Assembled Cat Faucet MKII Installation Instructions (v1.2)

Thank you for your purchase of the Sixerdoodle Electronics Cat Faucet!

1. Your assembled kit should contain the following items. Contact us if anything is missing!
  - ✓ 1 - saddle valve
  - ✓ 1 - 9VDC power supply
  - ✓ 1 - Cat Sensor
  - ✓ 1 - controller box (solenoid valve, w/ attached tubing, controller boards)
  - ✓ 1 - double sided tape
  - ✓ 1 - plastic right angle adapter
  - ✓ 2 - tie-wraps.
2. After you un-box the Cat Faucet, please verify proper operation before you begin.
  - i. At this time, ignore any water remaining in the tubing, we pressure test the valves after assembly to help prevent leaks and some water may remain in the tubing during shipping. *However, you still will need to check for leaks yourself after installation.*
  - ii. Hold the Cat Sensor facing 'up' and plug in the 9v power supply.
  - iii. Wait 10-15 seconds and then wave your hand in front of the Cat Sensor. You should hear the solenoid valve click.
  - iv. Remove your hand from in front of the Cat Sensor. After a short time, the valve should click again as it moves to the closed position. This may be a quieter click.
  - v. Remove power in preparation to begin your installation.
3. Before installing anything, plan where you will ultimately place all the components, where the tubing and wires route and where you must make holes.
  - i. The face of the Cat Sensor must be placed **no more than 10"** from where the cat stands when drinking. We recommend aiming near, but 1"-2" to the side of the drinking end of the Water Outlet Tube.
  - ii. The Water Outlet Tube is the soft tubing. The Water Inlet Tube is the much stiffer, frosted tubing. The house water supply *must* be connected to the stiffer, Water Inlet Tube. The Water Outlet Tube is not pressure rated and will eventually burst if connected to the house water supply.

- iii. The Water Outlet Tube will need to be firmly attached to something so that neither the water pressure nor the cats can push the end of the tubing away from the drain. The tie-wraps are included in case you can tie-wrap the tube to the existing faucet. The plastic right-angle adapter can also be used to help direct the water flow. *All faucets and sinks are different, so you may need to be creative.*
  - iv. The Cat Sensor wiring can be disconnected from the controller board to help when routing the wire. If you disconnect the Cat Sensor, remember the connection pattern. (Pin1: Green, Pin2: Red, Pin3: Black) *Incorrectly connecting the wires can destroy your Cat Sensor*, so double check the connection **before** you apply power.
  - v. The included saddle valve is intended for connecting to copper tubing. If you have other under-sink plumbing you may need to provide your own method of connecting the Water Inlet Tube to the house water supply.
  - vi. If you have any questions, post them in the forum <http://www.jenrathbun.com/phpBB3/viewtopic.php?f=16&t=22>
4. Once you have planned your installation, drill any necessary holes for routing tubing and wiring.
  5. Then route the wires and tubing.
  6. Reconnect the Cat Sensor to the controller board if you had to disconnect it to route the wiring.
  7. If you are using the saddle valve to connect to the house water supply:
    - i. Attach the saddle valve to the house water copper tube, but don't tighten down the needle valve yet.
    - ii. Attach the Water Outlet Tube to the saddle valve.
    - iii. Tighten the needle valve to pierce the water supply line, but don't loosen the needle valve yet.
  8. With the cover of the controller enclosure off; turn the water on. For the saddle valve, this means backing the needle valve out a little bit, only a turn or two at this point.
  9. **Make sure there are no leaks!** Double check the connection to the house water supply and the connections inside the Cat Faucet enclosure.
  10. Wave your hand in front of the Cat Sensor to make sure the water flows properly.
  11. Open the saddle valve all the way. Activate the Cat Faucet and let the water flow at full force for a minute in order to flush out any sediment or debris dislodged in the plumbing.
  12. Now, slowly close the saddle valve to reduce the flow rate to a small stream that your cat will be comfortable drinking from.
  13. Attach the enclosure cover and you're ready to go!
  14. Remember to periodically inspect your Cat Faucet controller and tubing for leaks!
  15. If your Cat Faucet ever fails to completely turn off, you may need to repeat the flush procedure in step 11. Sediment will sometimes lodge in the solenoid valve and prevent it from completely closing, flushing should cure this condition.