

AutoSprouter 1.0 - Instruction Manual

Welcome to Super Simple Sprout!

Thank you for choosing the AutoSprouter 1.0, your automated solution for fresh, homegrown sprouts and microgreens. We're thrilled to help you bring the goodness of nature right into your kitchen with ease. This manual, along with our video guide, will walk you through every step, from assembly to your first delicious harvest.

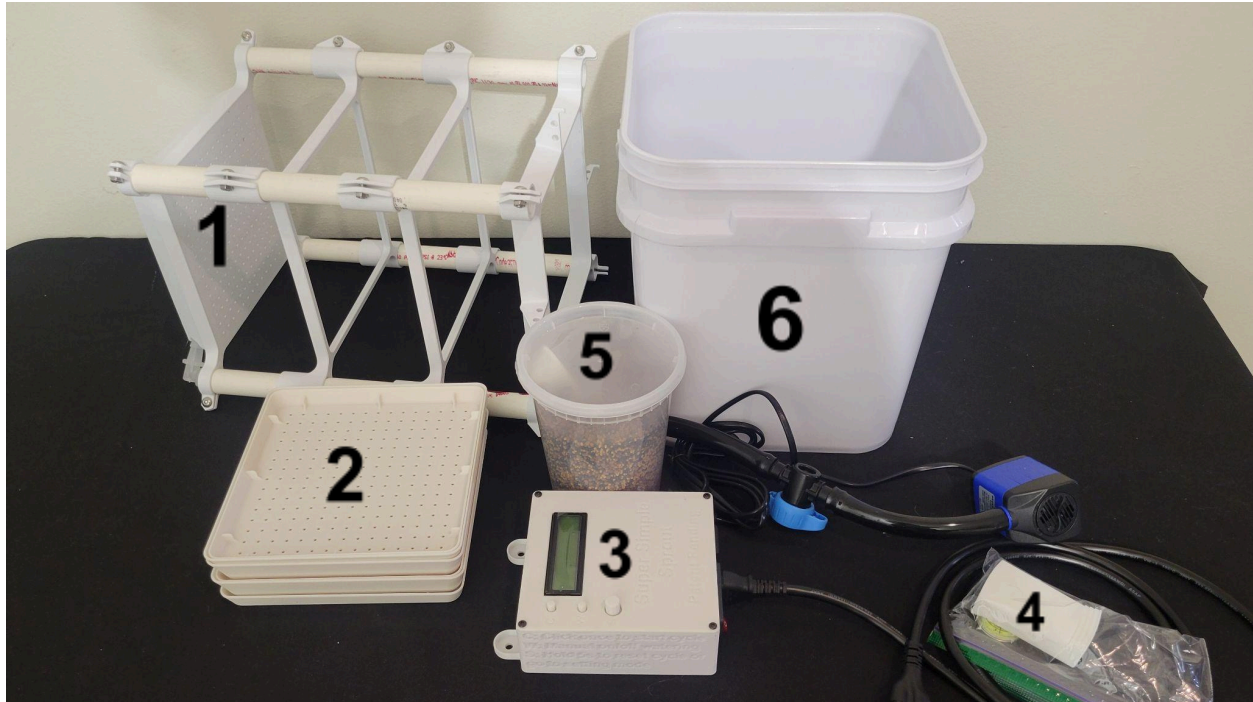
Enjoy the simple magic of growing your own food!

Important Safeguards

- **Electrical Safety:** Always unplug the power adapter before cleaning or disassembling the unit. Never submerge the controller in water. Keep the controller at least 2 ft away from the growing bucket in working operation.
- **Food Safety:** Wash your harvest thoroughly, ensure the rinse water runs clear for optimal sanitation. The trays are **dishwasher-safe**. Disinfect the frame with 3% hydrogen peroxide or 70% IPA after each harvest for optimal performance.
- **Placement:** Place the AutoSprouter on a flat, stable, and waterproof surface, close to a light source (like a window or grow light). Bubble level and 5 gal bucket wedge are included to fine tune the level surface.
- **Water Quality:** We recommend using water with a pH of 6.5 to 7 for optimal growth. If you use tap water, you can put 1 tbsp of 3% vinegar for each 4-5 gal of water.

What's in the Box?

Please check to ensure you have all the following components:



1. **Frame with pump:** The main vertical structure for your trays.
2. **Growing trays/Rooting trays:** Multiple circular trays for holding your seeds. Precision-perforated trays designed to support roots and prevent hypoxia.
3. **Controllers:** The electronic unit to manage the watering cycles.
4. **Accessories:** Allen key for frame, bubble level to ensure your system is perfectly level for even watering, wedge to level the bucket and measuring spoons for seeding.
5. **Seed Pack (Included):** Your complimentary two-month supply of seeds.
6. **3-Gallon Bucket:** 1 is provided. We highly recommend you to have one additional bucket. A 5-gal round bucket can work as well.

Section 1: Assembly

Follow these steps to assemble your AutoSprouter. Refer to the video at the indicated timestamps for visual guidance.

Step 1: Attach the Frame and Bucket

1. Check the check valve. It is fully open when the crank is **parallel** to the hose and closed when **perpendicular**. Set it to the halfway position (45°) for initial setup. It is fully close if they are in perpendicular. Make sure that the crank is in half-way.



2. Set the frame on top of the bucket. Make sure the hooks from the frame latch on the bucket lip.



3. Hook the pump plug to the controller and hook the controller plug to the power outlet.
4. Place the rooting trays on the frame.
5. Place the growing trays on the frame.

Step 2: Connect the Controller

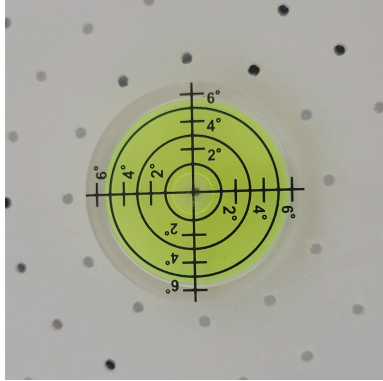
1. Connect the pump's power cord to the controller.
2. Connect the other side of the controller to your main power outlet.



Section 2: Setup & Optimization

Step 1: Choose a Location & Level the System

1. Select a very flat surface for your AutoSprouter, ideally close to a light source (like a window or overhead light).
2. Use the included bubble level to find a level spot. Place the bubble level on the table or floor. The bubble should be within the small circle.
3. Once the system is in place, take one of your empty rooting trays and place it into one of the frame's tray slots.
4. Place the bubble level directly in the middle of the tray. If the bubble is not centered, use the provided wedges under the bucket to make small adjustments until the bubble is within the small circle. This ensures even water distribution to all trays.



Step 2: Prepare Your Water

1. Fill the reservoir bucket **three-quarters full** with tap water.

Step 3: Insert Sprouting Trays

1. Once the system is level, place the rooting tray first. This tray helps retain moisture for better root development and increased yields.



2. Then, slide the grow trays onto the rooting trays.



3. Make sure each tray sits nicely and level within its slot. Uneven trays will create uneven flow.
4. In the first time that you set up the system, we recommend the water flow check. With all of the tray in place, start the cycle. If you don't see water coming out even if the pump is running, increase the water level or increase the flow on the check valve. If the water is too fast, tune the valve to lower it. Also check the water flow, it should flow evenly through the tray.

Section 3: Starting Your First Grow

Step 1: Add Your Seeds

1. Choose your desired seed mix.
2. Evenly spread your seeds onto each sprouting tray.
3. Put the tray on the slot.

Step 2: Start the Watering Cycle with the Controller

1. Turn on your controller. Welcome screen "Super Simple Sprout" should appear.
2. Press the cycle "C" button to initiate the watering cycle. The display will show "Day 1". The system will then begin watering, and you should see water flowing out of the sprayer head and over the trays.
3. You can turn on or off watering manually by pushing the water "W" button.
4. If you need to stop or reset the controller cycle at any time, hold down the settings "S" button for a few seconds. Do this right before you harvest.
5. By holding to the setting button you will also be able to change the duration of the watering and the cycling time.
6. Rotate the cycle to change the value of the setting that is blinking. For example: rotating the day setting will bring you to the next day setting.
7. Click on the water "W" or cycle "C" to change to the setting you want to adjust. For example: click "W" to make the water blink and rotate the "S" to change to the desired water duration, then click the "S" again to go back to the day setting.
8. After you change the setting, wait a few seconds it will go back to the welcome screen "Super Simple Sprout".

Step 4: Day 3 water change

1. On day 3, it is recommended for you to change the water from the bucket. If you have two buckets, even the 5 gal bucket will work, simply change the system to the other bucket with the new water.
2. Redistribute the seed by gently dipping the grow tray into the water in the bucket and give it little vibration. The clumping of seeds will redistribute evenly on the tray.

Step 3: Provide Light

1. As your sprouts begin to grow, it's beneficial to introduce them to light. Place your AutoSprouter near a window or under some light. More light generally leads to greener leaves and increased chlorophyll in your sprouts.

Section 4: Harvesting & Cleaning

Your sprouts are typically ready to harvest around Day 6.

Step 1: Prepare for Harvest

1. When your sprouts are ready, simply remove each tray from the AutoSprouter.

2. Transfer the main frame unit with the pump to a separate clean bucket. This allows any residual water in the pump and tubing to drain out into the clean bucket, preventing dirty water from mixing.

Step 2: Rinse Your Sprouts

1. Use a knife to slice out the root on the back of the tray. The sprout can now easily peel off the tray.



2. Use a salad spinner for efficient rinsing. Place the mesh basket of the salad spinner into a clean bucket.
3. Transfer the harvested sprouts from the trays into the salad spinner basket.
4. Rinse the sprouts thoroughly with water multiple times. Rule of thumb is every 3 trays with 3 rinses.
5. Place the rinsed sprouts (still in the spinner basket) into the main salad spinner bowl and give it a few spins to remove excess water.
6. Put the sprout in the container with some tissue paper on the bottom. Store the container in the fridge for weekly use basis.

Step 3: Clean the AutoSprouter System

1. All trays are dishwasher-safe and can be placed in the dishwasher after each harvest. Don't put them on the bottom level of the dishwasher that close to the washer heating element.
2. For the frame, use a hydrogen peroxide solution or IPA and a towel to wipe down all surfaces and let it dry.
3. Rinse the bucket to remove any stain. You can also use hydrogen peroxide or IPA.
4. On the monthly basis you can have a full wash by setting up the whole system just as you will sprout but without seed. Use cleaning water like Star San or hydrogen peroxide/water with 1:10 ratio. We recommend the Star San since the cleaning water can be reused multiple times. Run the system 1 time so the cleaning water can get into the pump, hose, frame and trays. Drain and dry the system before next use.

Troubleshooting & FAQ

Problem: Water is not flowing evenly to all trays.

- **Solution:** Re-check the leveling of your system using the bubble level. Adjust the wedges under the bucket as needed to ensure the entire unit is perfectly level.

Problem: My pump is not working.

- **Solution:** Ensure the pump is securely connected to the hose and the controller. Check that the controller is plugged into a main power source and that the cycle is activated. Check the water level in the bucket, or check the flow controlling valve. Make sure that the water level is two third to three quarters of the buck and the flow controlling valve fully open.

Problem: Water in the bucket has an Earthy/Biological scent or stinking smell.

- **Solution:** Earthy/Biological scent is normal in an operating system, they come from the same good microbes in the pond. If it has a rotting or stinking smell, you should check your sprout if one tray or more has been bad.

Problem: There are brown mucus on the surface underwater.

- **Solution:** If it smells of Earthy/Biological scent that should be fine, you can give a quick wipe every week to keep it in check. Monthly run the system with sanitation solutions like Star San keep them out of the inside of the pump and hose.

Problem: Water splash around the system.

- **Solution:** If you have the flow controlling valve, adjust the flow to minimize splash. Reduce the watering duration 5-10 s then check with manually water.

Problem: The seeds flow to one side of the tray.

- **Solution:** Make sure you have an even water flow. Rotate the tray 180 degrees so the water can redistribute the seed. Make sure to redistribute the seed on day 2 or day 3 when the sprout is a few millimeters long. The larger the sprout the less possibility it will be moved by the water. Reducing the water duration in the first few days so it is just enough to wet the seed in the entire tray.

Problem: Some seeds don't grow and rot.

- **Solution:** Most of the time the rot seed is caused by too much seed density. Reduce the seed for each tray and make sure the seeds are well distributed around the tray. Redistribute the seed during day 2-3.

Problem: Sprout root has fuzzy white hairs like mold

- **Solution:** It is not mold, it is root hair that is totally safe.

Problem: My pump is not running.

- **Solution:** Check the connection of the pump to the controller. Check the controller click when it goes into watering. Contact us if the controller doesn't click for controller replacement. If the connection is good and the controller clicks when it goes into watering, check the pump by quickly plugging it into the power for a few seconds. If the pump doesn't work, contact us for pump replacement.

Warranty & Support

Your feedback on the AutoSprouter 1.0 prototype is incredibly valuable to us as we continue to innovate and improve. Please share your experience and any suggestions you may have to supersimplesprout.com