



Reencle

Reduce, Reuse, Regrow





Reencle Gravity

Food Waste Composter













P N: HMRCPR004102 UPC: 8809419040933

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Please read the following instructions carefully before use.

^{*} This Instruction Manual contains the Reencle Warranty.

^{*} This Warranty does not apply to non-Reencle branded products, even if packaged or sold with Reencle products.

^{*} This Warranty is governed by and construed under the laws of the country in which the Reencle product purchase took place.

^{*} Warranty Service will be limited to the options available in the country where service is requested. Service options, parts availability and response times may vary according to country.

01. Safety Precautions

*IMPORTANT SAFETY INSTRUCTIONS



WARNING: Your safety is important to us. Read this guide carefully for important usage and safety information, and strictly follow the safety rules. Proper and safe use of your Reencle is your responsibility. To reduce the risk of fire, electrical shock, injury to persons or damage when using your Reencle, follow basic safety precautions including the following:

Note:

*This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

*This product is a Class III device and operates with Safety Extra Low Voltage (SELV). Only use the provided AC/DC adapter, and do not use any other power sources.

- Read this guide before using your Food Waste Composter.
- Use your Food Waste Composter only as described in this manual.
- · Use only with supplied attachments.
- To reduce the risk of electrical shock, do not use outdoors or on wet surfaces.
- Disconnect the electrical supply before servicing or cleaning the inside of the chamber. Failure to do so could result in injury from electrical shock.
- Always turn off the power button before unplugging.
- Do not use the Food Waste Composter if it is not working as it should, if it has been dropped, damaged, left outdoors or dropped into water.

- To unplug, grasp the plug, not the cord; do not unplug by pulling on the cord.
- Do not use with a damaged cord or plug.
- Do not pull or carry the Food Waste Composter by its cord, use the cord as a handle, close a door on the cord, or pull the cord around sharp edges or corners.
- Keep cord away from heated surfaces.
- Do not allow Food Waste Composter to be used as a toy. Close attention is necessary when used by or near children.
- Do not handle plug or Food Waste Composter with wet hands.
- Avoid putting any plastics, glass, metals, wood, chopsticks, biodegradable containers or flatware, bones, or other materials that people cannot eat in the Food Waste Composter.

- Keep hair, loose clothing, fingers and all parts of the body away from openings and moving parts.
- When it's time to remove compost from your Reencle, always maintain enough of the compost/ microorganism mix so it reaches the "Minimum Line." Never remove all of the compost from the Stirring chamber.
- Once the inner contents of the Reencle reach the "Maximum Line" remove the compost. Do not continue to add more food scraps beyond the MAX Line.
- Do not eat the contents of the Food Waste Composter.
- Children should be supervised to ensure that the do not play with the appliance or its contents.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Only authorized technicians can disassemble or alter the machine. Never do this yourself due to risk of injury, fire, or electrical shock.
- Never let children climb up or into the machine due to risk of severe injury.
- Do not play with or disassemble the button control panel due to risk of malfunction or injury.
- Only a capable adult should install the machine and perform setup. Do not let children install the machine due to the risk of injury.

- Do not allow children or animals to eat or touch the microorganisms inside the machine due to risk of disease. If a child ingests the microorganisms, rinse their mouth out and give them water. Call your doctor or poison control if they begin feeling unwell or showing symptoms of illness.
- Connect the power plug safely: never plug in or touch the socket with wet hands due to risk of electrical shock. Do not have the power cable trapped beneath the machine or exposed to sharp edges due to risk of electrical shock or fire.
- Do not simultaneously use multiple appliances with one electric outlet. This could be a fire risk due to overheating or overload.
- Do not put the machine in or around places where it could be exposed to water due to risk of electrical shock or accident.
- Never wash the machine with water due to risk of electrical shock or malfunction.
- Do not clean the machine with combustible materials such as gasoline or paint thinner due to risk of hand injury or malfunction.
- Do not artificially spin the stirring rod in the machine as it could cause a hand injury or malfunction.
- Always keep the machine on. It is equipped with an automatic sleep mode. If traveling for more than two weeks, refer to page 16 for preparation.

Reencle Gravity Precautions Before Use

How to Connect the Adapter to the Appliance Please follow the steps below! 2 Plug the power cable into the adapter provided with the unit. Connect the product to the adapter. Insert the power plug into the outlet.

* To ensure safe use, insert the power plug into the outlet last.

Precautions During Installation



Be careful not to damage the product during installation.

Handle the product gently to avoid damage. (It can cause damage to the bottom components and the weight sensor if mishandled or dropped.)

**The product is secured with insulated packaging, so there is no risk of damage during shipping.

02. Meet Reencle

O JONO.	Microorganisms	Your Reencle is a home food waste composter that uses our's patented microorganisms to break down food waste, and turn it into compost.
	Stirring Chamber	Your Reencle utilizes temperature and a continuous stirring rod to provide an optimal environment for Reencle's microorganisms. The continuous stirring helps to break down food waste, while the consistent temperature allows the microorganisms to remain active in fermenting and decomposing food waste in a relatively short period of time.
	Odor Free & Silent	Your Reencle is odor free thanks to a three-layer filtering system that incorporates a charcoal filter. The charcoal filter is located on the back of the unit, and can be removed and replaced. Reencle is ultra quite so you will barely notice it do its work to compost food waste.
	Design	Your Reencle is designed to be used conventiently indoors. The motion sensor, located in the front of the receptacle, will automatically open the lid when you approach, making it easy to dispose of food waste. There are also features available for drying and purifying the contents as well as locking various controls.

03. Initial Setup



Unpack your Reencle and place it on a flat surface in a well ventilated area.

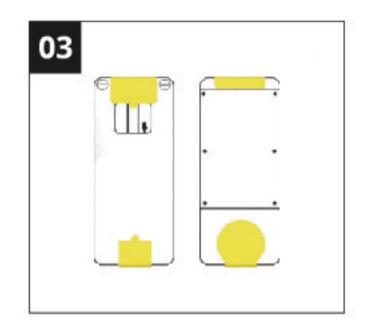
Allow 4-inches (10 cm) between the machine and the back wall for proper ventilation.

Reencle is designed for indoor use only where temperatures do not fall below 32°F (0°C).

Do not install it in a watery area or where the machine could be exposed to rain.



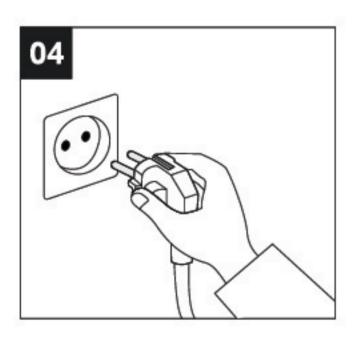
Remove the Compost Starter bag from the machine, and any other contents from the inside of the stirring chamber.



Remove the sticker on the carbon filter.

Your Reencle will arrive with a carbon filter already installed. Find the yellow sticker on the black filter, and remove it before using.

If you ordered an extra carbon filter, store it indoors in a dry place for later use.



Plug in the Reencle and press the power button.



Open the bag of Compost Starter, and pour it all into the stirring chamber.

**Please add the Compost Booster from the Reencle Compost Starter 2.0 into the chamber all together. In it's initial stage, Your Reencle's Compost Starter contains microorganisms that resemble sawdust with black pellets. As it begins to work and activate normally over the next four weeks, it will begin to resemble a brown, soft, soil-like texture.

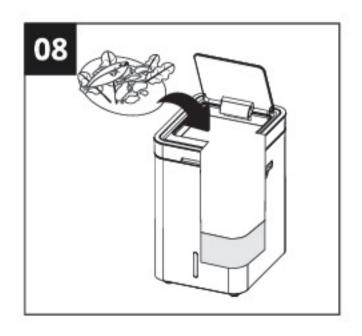
The black pellets are for the initial cultivation of compost. You can either remove them when your compost reaches the MAX line or leave them in the Reencle.



Pour 60oz (1.8L) of clean water into the stirring chamber with the Compost Starter. Close the cover.



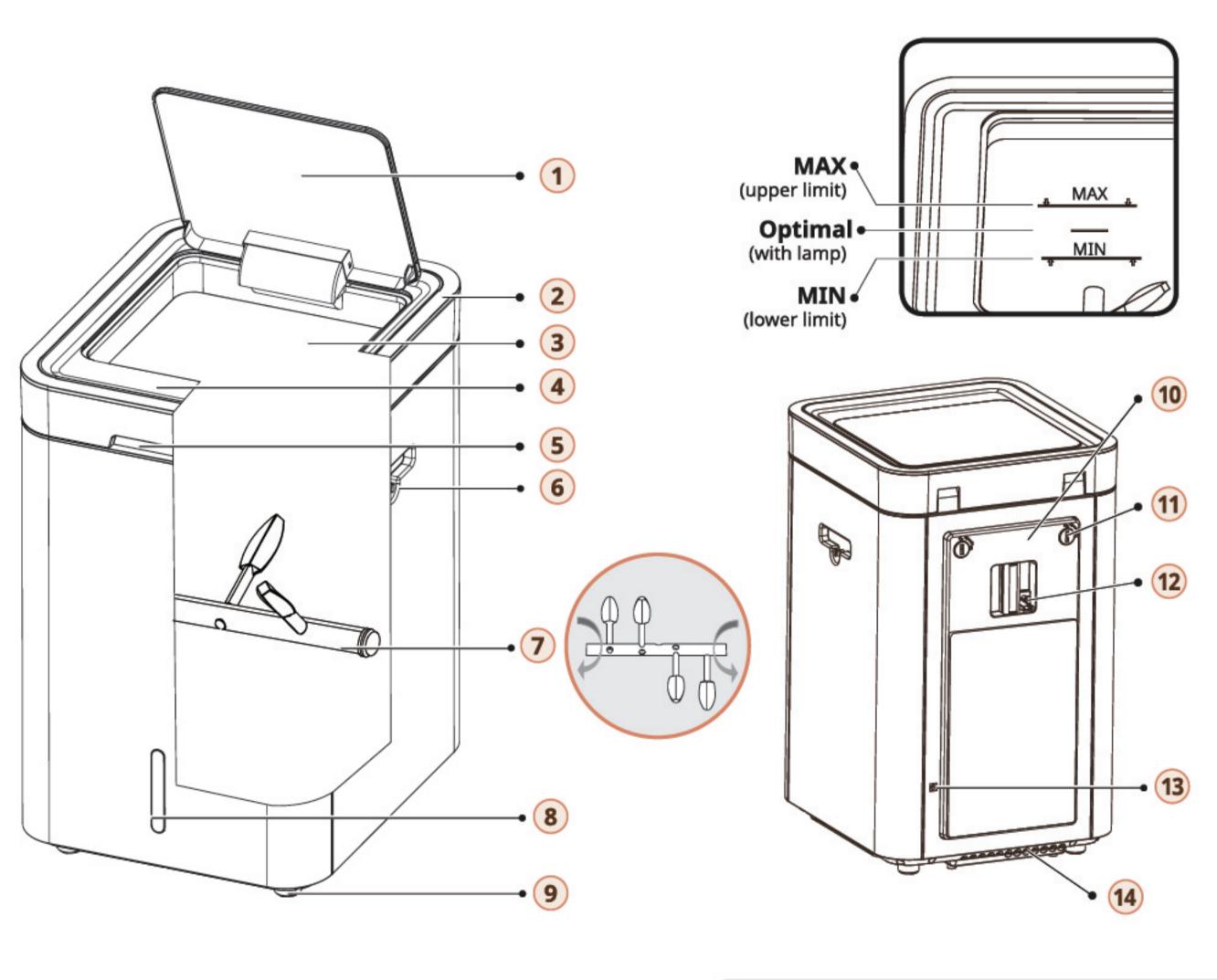
Let the Compost Starter and water process for 3-6 hours.



After 3-6 hours, you may begin adding food waste to your Reencle.

Refer to **page 14** for what is and isn't acceptable food waste to add your Reencle.

04. Part Names & Features





Control Buttons

Your Reencle's touch controls are located on the top of the unit. Functions are as follows:



Power

Press the power button to turn on and off the device.

Always keep the power turned on. Reencle is equipped with an automatic sleep mode. In the case of a service or repair, power off first, and then unplug the device.



Dry

Press this button when the internal contents of the stirring chamber become soggy with too much water.



Purify

Press this button when you notice a bad odor, to help reduce the smell.



Open

Press this button to open the small cover of Reencle to deposit food waste.



Lock

The open button includes a Lock feature. How to operate the lock button:



Check

Indicates product errors in the product or buttons through flickering LED with alarm sounds.



Time Display

It displays the elapsed time since food waste was added. (maximum 24 hours after insertion).

The elapsed time resets when the small cover is closed and then reopened.



Weight

This displays the weight of the food waste. The weight is only displayed when the small cover is open.

However, there may be variations in weight if force is applied around the touch panel due to the sensor at the bottom.

The weight automatically disappears one minute after the input hatch is closed. If the product is not level, there may be errors in the weight measurement.

1st Setting

Press and hold the open button for three seconds for the first time:

A red LED will flash around the Foot sensor. This indicates that the automatic sensor is now locked and will not automatically open the small lid. Do open the small lid in this setting, press the "Open" button.

2nd Setting

Press and hold the open button for three seconds for a second time:

A red LED will remain on the lower automatic sensor, and red LED will turn on around the "Open" button. In this setting, neither the automatic sensor nor the "Open" button will open the small lid.

3rd Click

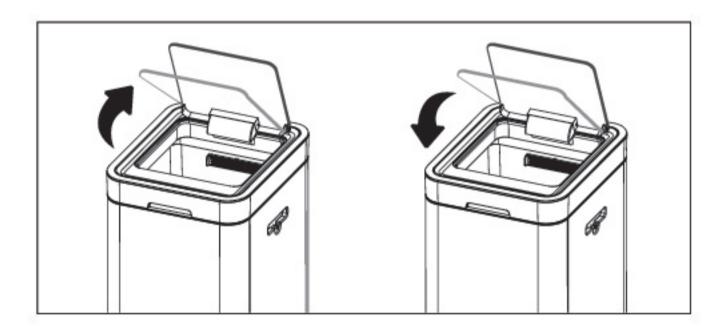
Press and hold the open button for three seconds for a third time

The red lights around the automatic sensor and the "Open" button will turn off, and both the automatic sensor and "Open" button will be unlocked and functional again.

05. Ongoing Use & Operation

Note: Your Reencle Prime must be plugged in and powered on for the touch button operations to function.

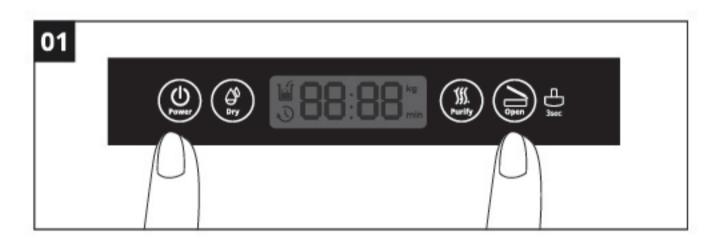
01 Open the Small Lid



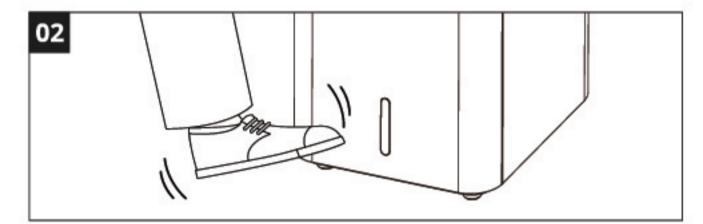
Open the small lid to add food scraps to your Reencle's stirring chamber.

When the small lid is open, the stirring rod will temporarily stop. It will begin automatically stirring again when the lid closes.

You can open the small lid in two ways:



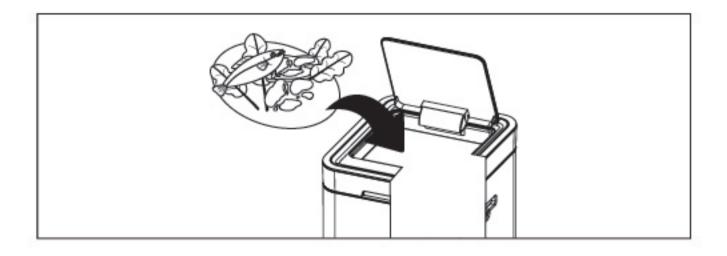
Open Button: Press the Open button to open or close the small lid.



Automatic Sensor: Approach the front of your Reencle slowly, and cover the sensor with your foot (it will detect 12-inches (30 cm) away). Hold your foot in front of the sensor for 2-3 seconds and the lid will automatically open.

When the sensor is operating, a green light will flash on the front sensor. Depending on the lighting conditions of the installation environment, the sensing speed may differ.

02 Add food scraps to your Reencle



Add food waste to your Reencle throughout is one word the day. For larger items (e.g. banana peels, stems), chop into smaller pieces. This will prevent issues with the stirring rod and help food scraps break down faster.

Refer to **page 14** for acceptable and prohibited food waste.

03 Properly Maintain Food Waste Input

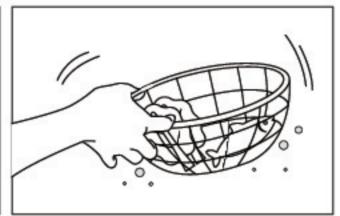
Add maximum of 1.5kg food waste per day to your Reencle for best decomposition results.

Separate food scraps from general waste to ensure only acceptable food waste goes into your Reencle.

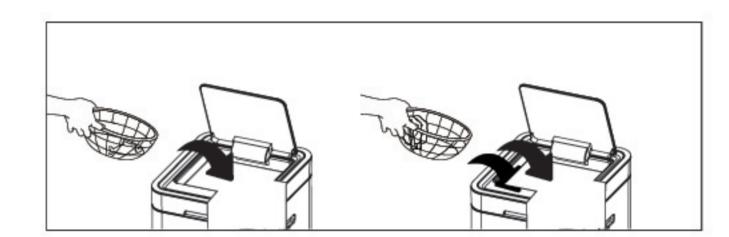
Chop up large items, such as banana peels, cabbage leaves, and green onions into smaller pieces.

For larger volumes of scraps, place them into the stirring chamber in smaller batches, allowing your Reencle to mix between intervals.





Avoid putting overly salted foods or sauces into your Reencle this can interfere with the decomposition process. If adding foods with sauce or salt, it is best to rinse before placing in the Reencle.

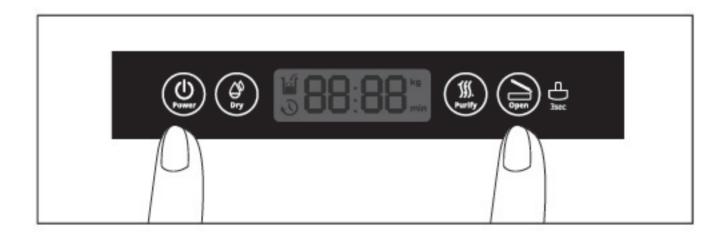


For large amounts of watery waste, divide it into smaller portions and feed portions to your Reencle in several batches.

Pro Tips:

- The smaller the pieces the better and will speed up decomposition, especially for denser materials like citrus peels.
- · Don't overload the stirring chamber!

04 Manage Internal Contents



If the contents of the stirring tank become soggy and have too much water, press the "Dry" button and do not add food waste for one or two days or until it becomes dry again.

After food is put in, water droplets may form on the cover due to the temperature difference inside and outside of your unit. These droplets are normal and caused by microbial fermentation so are not a symptom of the contents being too wet inside the chamber.

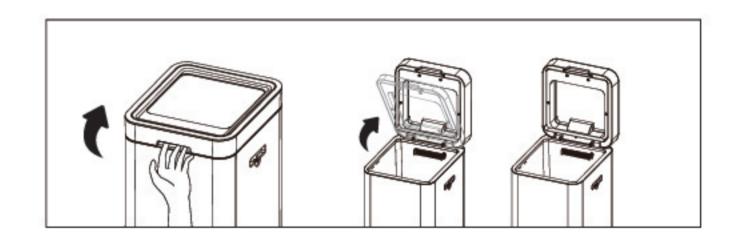
After 24 hours, most of the food waste will have been fermented and decomposed.

Pro Tip:

If you primarily put vegetable and fruit scraps into your unit, the compost might get out of balance. It can get too wet or develop a sour odor. You can add carbon rich material to help re-balance your compost. Some suggested materials: Bread (carbs), shredded paper, saw dust, paper towels, etc.

05 Open the Large Lid – Removing Compost

Open the large lid when it's time to remove excess compost from your Reencle's stirring chamber. Place your hand on the handle, located at the front of the Reencle, and gently pull it upward. The large lid will open to access to the content inside the stirring chamber.



When the large lid is open, the stirring rod will temporarily stop if the power is on. It will begin automatically stirring again when the lid closes. However, before removing compost, power off the unit using the Power button to ensure safety.

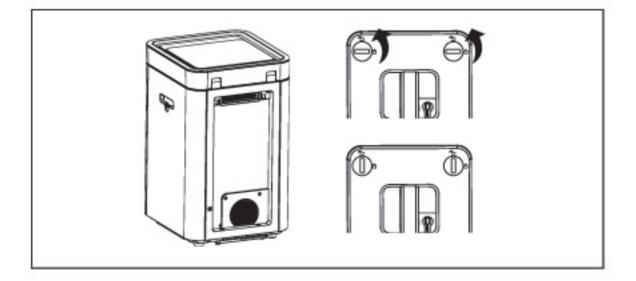
Once the decomposed waste reaches the MAX line, noted on the interior of the stirring chamber, use the included shovel to scoop out the compost until the inner contents reaches the MIN (minimum) line. Always leave the stirring chamber filled to the "MIN" line to leave a sufficient amount of microorganisms to continue the fermentation and decomposition process.

Moisture and any odors are emitted in the form of purified vapor air through the bottom of the Reencle via the automatic dehumidification function.

06 Tips for Proper Care your Reencle

Before putting food waste into your Reencle, we recommend rinsing the food with running water and pat it dry. This ensures optimal performance for the fermentation and decomposition process.

Frequently clean the mesh filter, located inside the stirring chamber, using a cleaning brush. The mesh filter can be removed, washed with water, and placed in your unit again.



The purifier filter, located on the back of your Reencle, should last up to 9-12 months. To remove the purifier filter, rotate the two plastic screws on both sides counter-clockwise to the unlock position, and remove the filter. To reinstall, place the new filter in the same position, insert the plastic screws, and rotate clockwise to the lock position. To purchase a purifier filter, please visit Reencle's website or contact Reencle through Facebook.

06. Acceptable & Prohibited **Food Waste**



Acceptable Food Waste:

Most items decompose within 24hrs.



Protein



Cooked Egg





Grains



Nuts



Cooked Vegetables



Legumes



Cheese



Carbohydrates



Spreads (e.g. butter, jam)



Eggshells



Coffee Grounds



Pizza Crust



Watermelon Rind



Raw Vegetables (e.g. carrots, corn, cucumbers, cabbage)



Sausage, Salami



Spreads (e.g. peanut butter, nutella)



Stems, Roots (e.g. chives, onions)



Prohibited Waste:



Bones



Shells



Pits (e.g. avocado, plum)



Solid Shells (e.g. walnut, pomegranate)



Plastic



Rubber



Glass



Medicine



Cleaners, Chemicals



Cigarettes



Produce Stickers



Biodegradable Containers, Flatware



Tape



Cardboard

07. Microorganism Health and Compost

Managing the Microorganisms.

Reencle works like a digestive system, using oxygen, microorganisms, and heat to break down food waste into compost. Taking care of your microorganisms is key to maintaining an optimal environment for



composting. They are resilient, so even if the system gets too wet or dry, they will thrive with a balanced diet. For best results, follow Section 5.

Initially, microorganisms will look like sawdust mixed with small charcoal pieces (carbon). Over time, the carbon will disappear as your compost matures. It jump-starts microbial growth but isn't needed continuously.

What is Composting and Compost?

Reencle speeds up composting by using microorganisms, oxygen, moisture, and heat to decompose food waste into compost. It simulates "hot composting," producing compost that requires curing after removal.

- · Composting: The controlled, aerobic breakdown of organic materials by microorganisms.
- Compost: Dark, crumbly, earthy-smelling material produced from the aerobic decomposition of organic matter.

Using Reencle Compost

The quality of your compost depends on what you feed Reencle and how long it stays in the unit. Although 90% of food waste breaks down in 24 hours, longer decomposition leads to better results. Let the unit run for 48 hours without adding waste before removing compost, ensuring it's fully broken down.

When the compost reaches the MAX line, scoop it out down to the MIN line, leaving the chamber 1/3 full. Sifting out larger pieces will speed up the curing process, but it's optional.

Curing: Compost takes about 3 weeks to fully cure, depending on its time in the unit. Unstable compost can be used as mulch but shouldn't touch plant roots. For soil amendments, mix 1 part compost with 4 parts soil and let it cure for 3 weeks in a breathable container. Cured compost will resemble dark, crumbly soil with an earthy smell. If it smells sour or is still warm, it needs more time to cure.

What is White Mold

White mold on compost is normal and safe. Actinomycetes help break down substances like lignin and glucose, aiding plant growth and protecting against pathogens. Your compost should have an earthy smell.

08. Frequently Asked Questions

Q. There is condensation on the inner surface of the cover and on the inner sides of the product.

The internal temperature of the product is set to be maintained at 122 to 140 degrees fahrenheit (50-60 degrees Celsius), which is suitable for culturing microorganisms. When 6-7 cups of water is initially added, or in the course of general food decomposition, condensation may occur on the cover and the inner walls due to the difference between the internal and external temperature. Condensation is a natural phenomenon and is not considered to be a problem.

Q. Mold has grown on the inner walls and over the microorganisms.

Mold is often found over the microorganisms, inner sidewalls, and the stirring rods, but has nothing to do with microorganisms. Use the shovel provided to mix it with the byproduct inside the stirring chamber and the mold will disappear after a few hours as they are decomposed with the mixture.

Keeping the interior walls clean will help prevent mold.

Q. Microbes have accumulated and set on the corners and walls of the tank.

The stirring rod rotates near the center of the product. Although it mixes most microorganisms, compost may collect in the corners, leaving microbes to accumulate on the corners and walls. Use the provided scoop to scrape these microbes and mix them with the mixture before adding food.

Q. If I am away from home for days, do I need to take any special measures?

- If you are away from home for less than 7 days, use your Reencle as you normally would, and refrain from putting food in the Reencle for two days before your departure.
- If you will be away from home for more than 7 days, refrain from putting food in your unit 2 days before departure to ensure it completely decomposes the existing waste in the bin before you leave. On the day of departure, turn off the unit and unplug the power cord.
- You do not need to remove the compost/microorganisms from your Reencle. Simply leave it closed. When you return, turn it on, and add two cups (16.9 oz) of water to the mixture and leave it for 4-6 hours before starting to use it again.

Q. Microorganisms agglomerate (clump).

The aggregation of the microorganisms found inside of the product indicates insufficient decomposition of the microorganisms. Give them more time for decomposition and do not add additional waste into the unit. After the microorganisms return to their original form, which may look like soil, it indicates that it is ready again to decompose the food.

Q. Microorganisms have a bad odor.

- The smell of microorganisms depends on the type of food you put in. In case of strong odors, add bread and wait to add any other food waste for at least 1-2 days.
- Using the dry mode for one day helps to dry the microorganisms. With the microorganisms further dried, add a shovel of coffee grounds or pieces of bread with food waste to help neutralize the odor.

Q. The microorganisms look greasy.

- If the microorganisms are greasy or if the mixture is oily, the microorganisms will not be able to decompose normally. In this case, you will likely need to replace your microorganisms.
- Greasy microorganisms may also occur when oil, butter, fat from meats and other oily/greasy food are processed, especially when a large amount of food is processed together. To avoid this, refrain from adding too much food.

Q. Do the microorganisms die if there is no food put in?

No, Reencle's uses a patented microorganisms mix that temporarily converts into a spore state (sleep state) in case food input ceases. They do not die easily. However, the state of the microorganisms can deteriorate, and in such cases, please contact our customer service center with a video attached in order to receive help to restore the microorganisms.

Q. Do the microorganisms need to be frequently purchased/replenished?

No, the microorganisms go through autosynthesis over time and as long as you follow the guidelines to ensure decomposition goes smoothly, there is no need to make additional purchases or add new microorganisms. Just make sure to maintain the minimal levels of microorganisms in the unit when scooping out the excess.

Q. Can I put in solid or frozen foods?

- Frozen foods may cause the microorganisms to enter a spore state (sleep state) and may cause deterioration to the state of the microorganisms because they lower the temperature inside your Reencle. Moreover, the stiffness of frozen foods makes them hard to decompose and may also cause damage to the stirring rods.
- Please make sure to thaw frozen foods before putting them inside your unit and refrain from putting in solid foods.

Q. Does Reencle stop functioning when the cover is opened?

For safety measures, the stirring rod functions only when the covers are closed.

Q. What should I do when the microorganisms are dry?

The inside of your Reencle consists of heat insulating materials, keeping the condition ideal for the microorganisms to decompose foods when in operation. Therefore, if there is insufficient food input, the inside of the your unit may become dry. When dry, it may cause noises. In this case, the inner walls of the Reencle may also become soiled with particles, the filter contaminated, and powders may be released into the air.

When dry, input additional food waste or 2-4 cups (500~900ml) of water in order to prevent friction within your unit.

Q. How do I clean the Reencle?

Do not clean/rinse Reencle with water. Mechanical breakdowns may occur from cleaning it with water, and damage may occur. If the inner walls of your Reencle are soiled with particles, wipe the walls with a wet wipe.

Q. What are the black fragments in the microorganisms?

The black fragments are activated carbon. They serve the purpose of providing a steady supply of oxygen to the microorganisms during the initial stages of cultivation, as well as deodorizing. Activated carbon help the young microorganisms adapt faster to the environment inside, but lack of activated carbons does not affect the decomposing capabilities. Therefore, carbon does not need to be sifted and replaced.

You can either remove them when your compost reaches the MAX line or leave them in the Reencle.

09. Replacement Alerts & Warnings

Alerts, indications, and responses

Alert / Indication	Issue	Action	
Open button blinks / Alarm at 10 second intervals	Lid is open	Check and close the lids	
Purify button blinks / Alarm at 10 second intervals	Fan motor problem	Contact customer center	
Dry button blinks / Alarm at 10 second intervals	Drum heater problem	Contact customer center	
No weight change displayed	Weight sensor malfunction	Contact customer center	

^{*}When a product malfunction occurs, please contact our Customer Center for support.

Customer Service

Please contact our customer service representatives regarding return, exchange or refund of your Reencle.

For products purchased outside of Reencle (authorized reseller channels or distributor) you should contact the channel you have purchased from or a Reencle representative for a return, exchange or refund.

Contact Information







^{*}The company is not responsible for any accident caused by non-designated person repairing or altering the machine.

10. Warranty & Specifications

WARRANTY			
Product Name	Food Waste Composter	Warranty Period	
Model Name	Reencle Gravity		
Production No.			
Purchase Date		1 year from the date of	
Purchase Form		purchase	
Customer Address			
Customer Name			
Customer Phone		Until	

- Warranty period: 1 year
- In accordance with criteria notified by the Fair Trade Commission, the warrant for the product is as follows. Requested services are
 processed either by the company's customer center or by designated authorized dealer.
- Free warranty period for the product is one year, starting from the date of purchase, so make sure the date is filled out. (When the
 date of purchase is unavailable, the warranty period starts from the day six months after the date of manufacture)
- This warranty will not be reissued, so please keep it in a safe place within this manual.

SPECIFICATIONS

Processing Type	Fermentation/composition by microorganisms		
Size	20.6" (H) x 12.4" (W) x 13.7" (D)		
Weight	24.9lbs (11.3Kg)		
Decomposition Capacity	Recommended 2.2 lbs (1kg) per day, Max 3.3 lbs (1.5kg) per day		
Rated Voltage	DC 24 V, 4.0 A		
Power Consumption	95W		
Noise Level	Less than 26dB		
Purifying Method	Carbon Filter		
*	Item	Charger (Adaptor)	
	Input	100-240V~, 50/60Hz, 2.5A	
	Output	DC 24.0V, 4.0A	

Memo



Manufacturer

186 Golden Route-ro, G7 Block, Golden Route Industrial Complex, Juchonmyeon, Gimhae-si, Gyeongsangnam-do, Korea

