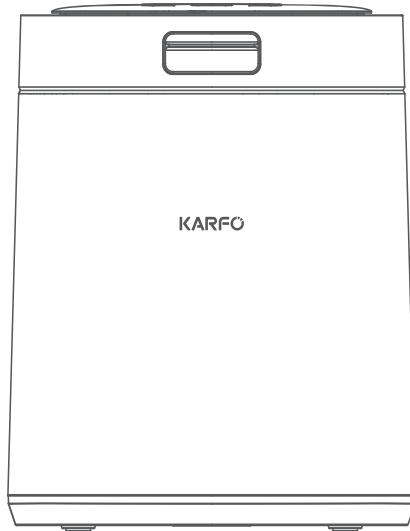


FOOD WASTE COMPOSTER

KARFO Ecostar S1



Instruction Manual

Please read the instruction manual carefully before use
and keep it in a safe place. If you have any questions,
please get in touch with us.



Important Safety Instructions

- Please read all accompanying instruction material before your first use of Karfo.
- Do not touch any surfaces. Use handles as needed.
- Ensure all electrical components (plug, cords) are kept away from water or other liquids to protect against electrical shocks.
- Close supervision is necessary when Karfo is used by or near children.
- Always unplug the unit when not in use or before cleaning. Ensure the unit is unplugged when adding/removing parts (such as filters or the bucket).
- If trying to clear a jam, do not use your hands or fingers, and always ensure that Karfo is turned off and unplugged.
- Do not operate Karfo if the cord or plug is damaged. Similarly, do not operate if Karfo has malfunctions or is dropped or damaged. Please get in touch with our Karfo support team for examination or repair.
- Do not use any attachments not recommended or sold by Karfo, as those could damage Karfo or otherwise.
- Karfo is intended for household use only. Do not use Karfo outdoors.
- Do not let the electric cord hang over the side of a counter or table or touch hot surfaces. Do not place Karfo on or near a hot gas or electric burner or in a heated oven.
- Keep the unit out of direct sunlight and away from any appliances which produce heat.
- Always attach the cord plug to Karfo before inserting the plug into the wall outlet. To disconnect, turn Karfo off, then remove the plug from the wall outlet.
- Ensure that Karfo sits on a flat surface when in operation. Place Karfo at least 6 inches away from all walls and in a well-ventilated space to allow proper airflow.
- Do not open Karfo's lid while it is running. Always turn off and unplug Karfo before opening the lid.
- When Karfo is not in use, keep the lid closed to prevent items from falling.
- Do not use Karfo for anything other than its intended use. Do not alter or adapt Karfo in any way.
- Do not lift the lid while Karfo is running; Heat warning - Contents inside may be hot.
- Do not immerse in water.
- Notes for Cord:
 - (a) A short power-supply cord (or short detachable power-supply cord) is provided to reduce the risks of becoming entangled in or tripping over a longer cord.
 - (b) Extension cords (or longer detachable power-supply cords) are available and may be used if care is exercised in their use.
 - (c) If an extension cord (or a long detachable power-supply cord) is used:
 - [1] The marked electrical rating of the detachable power supply cord or extension cord should be at least as excellent as the electrical rating of the appliance;
 - [2] The extension cord should be a grounding type 3-wire cord.
 - [3] The longer cord should be arranged so that it will not drape over the countertop or tabletop where it can be tripped over, snagged, or pulled on unintentionally (especially by children).
- To avoid entrapment hazard. Do not touch the grinding blades when they are moving. Do not press the main button when the bucket is empty. Do not remove the bucket and touch the motor coupler when is moving.

PLEASE SAVE THESE INSTRUCTIONS

Product Specifications

Product Name	Food Waste Composter
Modes	Quick / Standard / Self-cleaning
Processing Cycles	Drying, Mixing, Cooling
Input	<p>In the USA and Canada is 100-120V UK model is 220-240V with a type G plug EU model is 220-240V with a type E, F or G plug Australia is 220-240V with a type I plug</p> <p>Please note that Karfo is to be used ONLY in the appropriate outlet, within the country of purchase, and with the corresponding voltages indicated above.</p>
Wattage	500W
Usage per Cycle (Running)	0.2-0.8 kWh
Working Times	<p>Quick Mode: 2.5H Standard Mode: 5.5H Self-cleaning Mode: 0.5H</p>
Capacity	~2.5 L
Waste Volume Reduction	~90%
Weight (out of box)	Approx, 6kg(13.2 lbs)
Product Size	L253*W253*H315mm
Carton Size	L337*W337*H380mm

Meet Karfo

1. Bucket

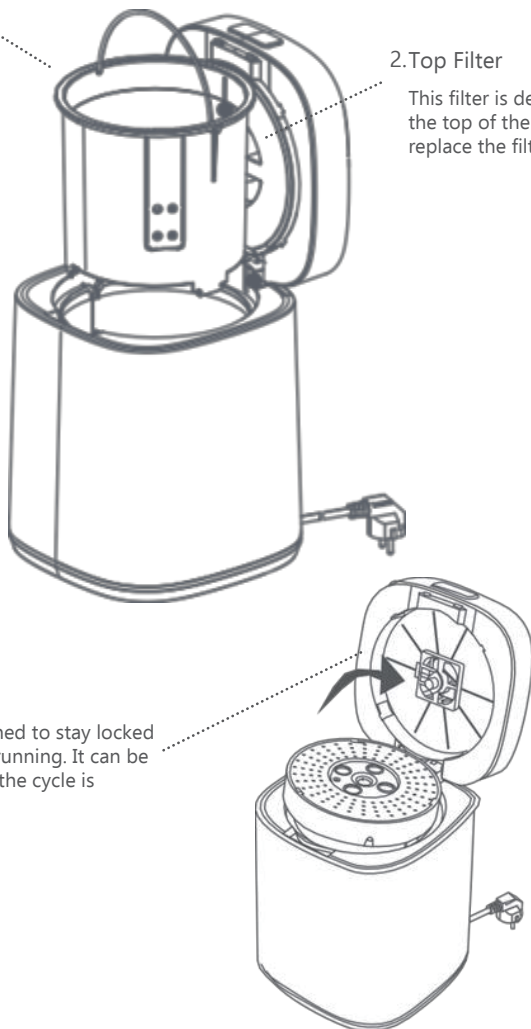
This bucket is designed to process your food waste, and Karfo Approved bioplastics. Made from aluminum, the bucket has a non-stick coating and is dishwasher safe.

2. Top Filter

This filter is designed to sit on the top of the lid. Open and replace the filter.

3. Karfo Lid

This lid is designed to stay locked while a cycle is running. It can be unlocked when the cycle is complete.



Karfo Modes

Karfo has three different modes, so select the one that best suits your needs. Here are some details of each mode.

Note: The cycle times listed below may vary depending on the quantity and contents of food waste. The ranges provided are an average range based on our in-house testing.

How to choose the working mode:



Quick Mode

It is suitable for handling food waste with a small amount of food waste and little moisture. The ending product can be directly discarded.



Standard Mode

This mode is suitable for food waste with moderate food waste and moisture content. The ending product can be stored as fertilizer.



Self-cleaning Mode

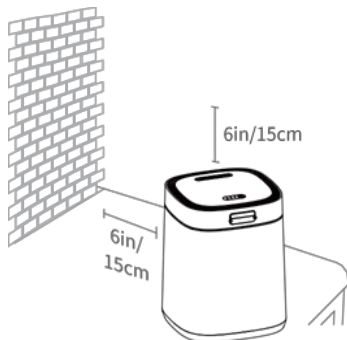
1. When the barrel needs to be cleaned, add about 2/5 of the clean water to start this mode.
2. Start this mode when the machine has not been used for a long time and the interior needs to be cleaned.
3. When there is water residue in the bucket and no food waste, the mode can be started without adding water to dry the bucket and the machine filter channel.

Initial Setup

1. Unpack your Karfo and place it on a flat, dry, stable surface

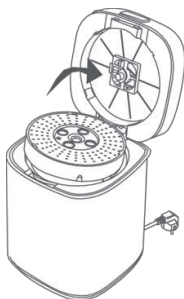
You can tuck your Karfo into any corner of your kitchen when not in use, but when you run a cycle make sure to place it at least 6" (15cm) away from the wall and avoid placing it under overhead cabinets.

Karfo is best stored indoors between 15-30 degrees Celcius (59-86 degrees Farenheit), never in a garage or outside due to risk of temperature changes and humidity.

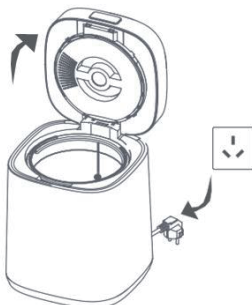


2. Install the top filter.

Peel off the stickers on both sides.



3. Plug Karfo in.



Regular Use

It is recommended to unplug Karfo and remove the bucket from the unit before adding waste.

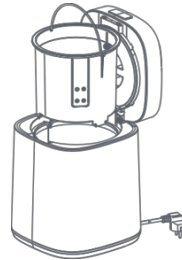
1. Install the top filter.

Press the button



2.Remove the bucket from the unit.

Using the handle, pull the bucket straight up from the unit



3.Add waste to the bucket.

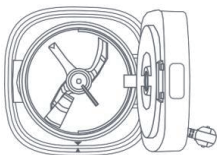
Refer to “What can I put in my Karfo?” on page 10 for guidance

- Waste must fit into the bucket without using force
- Cut waste into smaller pieces if necessary
- Fill up the bucket until 75% full



4.Place the bucket with waste back into the unit.

Insert the bucket by aligning the arrow on the rim of the bucket with the arrow on the interior of the unit

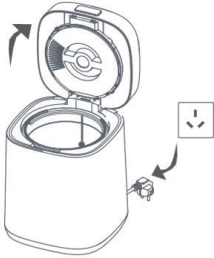


5.Close the lid.

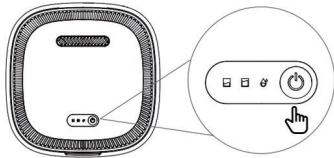
Put the lid down

6.Plug Karfo in.

All LED lights will flash red once.



7.Start a cycle by pressing the button.



8.Cycle completion.

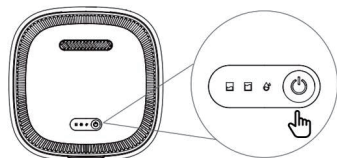
Once the cycle is complete, Karfo will beep




Remove the bucket to empty it. All dirt that comes out of Karfo can be put into the green bin.
Quick mode dirt can be mixed with soil for use in your garden and houseplants

Interface

Karfo can be controlled from a single button.

- To select the modes (Quick, Standard)short press the main button to switch between them.
- Once your desired mode is selected, long press the main button for 3 seconds to start the cycle .
- As the mode goes through its various cycles (drying, mixing, cooling),the LED lights will keep red.
- When the cycle is complete, the LED lights will still keep red.



Mode	Working Time
 Quick Mode	2.5hours
 Standard Mode	5.5hours
 Self-cleaning Mode	0.5hour

What can I put in my Karfo

For all modes you can put in food waste. A diverse mixture of food waste will allow Karfo to perform and give the best results. See below for what can and can not be put in Karfo.

Do's	Dont's
Fruit and vegetable leftovers	Hard bones (beef/pork/sheep bones,etc.)
Food scraps, biodegradable plates	Edible oil, fat, liquid
Meat crumbs	Soap, shampoo, conditioner bars
Fish cartilage	Liner bags (cookies, pet food)
Soft shell (egg shell, shrimp skin, etc.)	Diapers and baby wipes
Coffee filters/grounds and teabags	Cigarette
Nut	Metal, non-degradable plastic and glass
Starches foods(bread, pasta, rice, potatoes, etc.)	Pits (avocado/peach/apricot, etc.)
Dairy (yogurt, cheese, etc.)	Aluminum foil paper
The Leaf of Houseplants and flowers	Hygiene products
Garden trimmings	Foam products
---	Pet Litter and Feces
---	Alcohol
---	Candy or gum

Note: Make sure to cut up rigid stems/fibrous vegetables (e.g. flower stems, broccoli stems, kale stems, etc.) so that they don't get stuck during grinding. If the bucket/Karfo appears to be damaged from the addition of any of the items listed in the don't column, warranty is void.

How to care for your Karfo

For all modes you can put in food waste. A diverse mixture of food waste will allow Karfo to perform and give the best results. See below for what can and can not be put in Karfo.

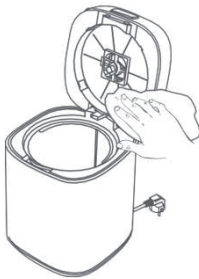
Cleaning your Karfo

Knowing how to keep Karfo clean is important so that it stays looking great and also continues to function at its best. We recommend cleaning the Karfo exterior once a month or as frequently as you would clean any other kitchen appliance. To keep your Karfo at optimal performance, clean the interior of the bucket routinely.

Ensure your Karfo is unplugged before cleaning. To wash the exterior of Karfo, Simply wipe with a damp dish cloth. If your Karfo is particularly dirty, add a small amount of dish soap to your cleaning process.

Finally use a dry cloth to remove excess moisture.

Never submerge your Karfo under water. There are electrical components and any excess water would cause significant damage and could cause electric shock.



Cleaning the Bucket

The bucket can be easily removed and washed by hand or placed in the dishwasher, for a more thorough cleaning.

Ensure the bucket is free from any excess dirt/particles before placing it in the dishwasher.

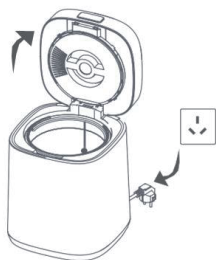
This should be run on a hot cycle.

As the bucket is made from metal be sure to let it cool down before handling and placing it back inside the Karfo unit.

Changing filters

The change filter light will illuminate every 3-6 months depending upon your usage.

Unplug the unit before replacing the filters' activated charcoal.

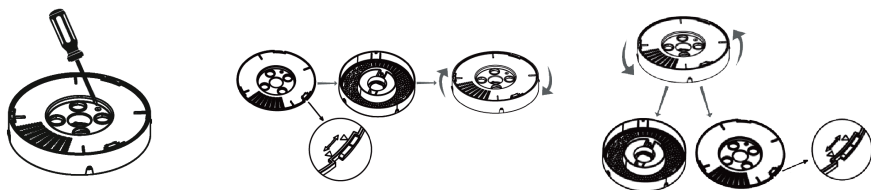


Replacing filters

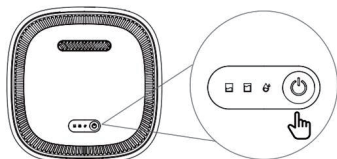
1. Open the lid of the device and remove the circular filter box.



2. Take off the top of the filter box and replace the older filter box with the new activated carbon.



3. Press and hold the button for 10 seconds to dismiss the prompt.



Tips for Performance

- 1.The greater the variety of fruits and vegetables in your food waste and scraps, the better your Karfo ending product!
- 2.Have an even mix of light and heavy food scraps interspersed.
- 3.Do not leave your unprocessed waste for a long period of time (over a week). Run a smaller cycle if necessary.
- 4.Tuck bioplastic materials on the sides of the bucket, rather than just placed on top.
- 5.Avoid large amounts of dense or moisture-rich foods such as condiments and high sugar fruits.

How to feed your garden with Karfo

What comes out of Karfo doesn't have to end there. The nutrient-rich dirt that Quick/Standard mode produces can be used to feed your garden.

Quick/Standard mode dirt is ready to be added to your garden soil in a ratio of 1 part Karfo dirt to 10 parts soil.

Evenly mix the dirt from Quick/Standard mode with your soil and watch your plants thrive.

The Karfo filter contents, once used up, can also be used as an additive to your soil!

Mix in a ratio of 1 part activated charcoal to 6 parts soil.

Troubleshooting- Machine

Flashing	Problem	Solution
LED1 flashes quickly, and the buzzer beeps twice	Open the lid directly when the product is in operation	Close the lid and press the button again to start
LED2 flashes quickly, and the buzzer makes a continuous“beeping” sound	The blades get stuck	Turn off and unplug the power plug, carefully clean the blockage near the blades and restart
LED3 flashes quickly,and the buzzer makes a continuous“beeping” sound	The fan is blocked	Remove the filter and clean the foreign objects near the fan
LED1 and LED2 flashes quickly, and the buzzer makes a continuous “beeping” sound	The temperature is too high	Turn off and unplug the plug, wait for the temperature to drop before restarting
All LED flashes quickly , and the buzzer makes a continuous“beeping” sound	The filter has reached its service life	Replace filter box, long press the Ⓢ for 10 seconds to dismiss the prompt

Troubleshooting - Karfo Dirt

What should I do if...

My Karfo is producing bad odors?

- Replace used activated charcoal in filters
- Check for old waste build-up
- Don't let waste sit for too long

My dirt is too wet?

- Drain liquid from waste before placing it in the bucket
- Add dry waste - paper, yard trimmings, etc

My dirt is too dry?

- Add 100mL of water and try again - Note: dirt can be affected by location and local humidity levels

Karfo is taking too long?

- Listen for if the grinder is moving or if the fan is on. If not, there may be a jam
- Unplug Karfo, open the lid, and remove the waste causing the jam
- Close the lid and restart the cycle

Frequently Asked Questions

Here are some of our key questions and answers. For our full list of Frequently Asked Question questions, head to Karfo official website.

- What mix of waste and bioplastics is best for the machine? Can I do a load with just bioplastics?

Based on testing, the optimal ratio is a maximum of 10% bioplastic in relation to food waste/ organic waste. Do not exceed this ratio. It is not recommended to run a load with only bioplastics; they need to be mixed with organic waste.

- Can I run a half load? How full is the minimum and maximum?

You can run a load with any size, but there is a line on the bucket indicating the maximum capacity. Karfo will still operate with low content capacity; however, the cycle may complete faster. **DO NOT RUN EMPTY!**

- If I open the lid or if Karfo stops or is unplugged in the middle of running, will it be hot? What do I do to start it up again?

The bucket and its contents will be hot. **CAUTION: DO NOT TOUCH!** There may also be some steam, so **STAND BACK**. To restart, close the lid and press start. It will initiate the entire cycle again, processing the waste. The cycle might be shorter if the waste is partially processed.

- Can Karfo sit with unprocessed waste for a few days while I fill it? Will that smell?

A few days are acceptable. Filter odor control is not active while Karfo is not running, so you might smell it. We recommend running a smaller cycle if possible to avoid leaving waste in the there for too long.

**Karfo may make changes to any products or services offered on the user manual, or to the applicable prices for any such products or services, at any time, without notice. The materials on the user manual with respect to products and services may be out of date, and Karfo makes no commitment to update the materials on the user manual with respect to such products and services.