

ENGLISH



Ultrasonic Kitchen Knife

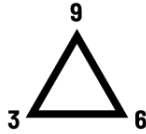
UKK45000F30W

User Manual





FREQUENCY
369 HZ



MAGIC TRIANGLE
NIKOLA TESLA



WAVELENGTH
LAMBDA



 | **3 6 9 S O N I C**

THE POWER OF SOUND

Dear Customer,
thank you for choosing our product! Please read this manual carefully before first use and keep it for future reference. If you pass the product on to someone else, please also pass on this manual.

Limitation of Liability

The manufacturer and importer disclaim all liability for any circumstance in which the instructions in this manual were not followed, nor shall they be held liable for damage caused by improper use of the product and its accessories (e.g. destruction of foodstuffs, cutting injuries, etc.). Any use of the product not expressly permitted by this manual is prohibited.

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KEY SAFETY INSTRUCTIONS

This product may not be used by children or the mentally impaired. This product is not a toy; ensure that children do not play with it. Keep out of reach of children.

Cleaning and maintenance may not be performed by children or the mentally impaired.

This product is supplied without a power adapter. The contents of this manual are based on the assumption the recommended adapter type will be used.

If the adapter, power cord or charging base are damaged, the adapter may not be used further until it is replaced or repaired with original parts. Repair or replacement may only be performed by the manufacturer or an authorised representative. To avoid electrocution, never use the product with a damaged adapter, power cord or charging base.

An ultrasonic knife emits sound waves outside the human hearing range. Certain species of common house pets can hear these frequencies and may be adversely affected. Do not use the product around animals.



WARNING

THE KNIFE BLADE IS VERY SHARP. NEVER TOUCH THE BLADE WHILE THE KNIFE IS IN OPERATION.

FAILURE TO FOLLOW THE INSTRUCTIONS IN THIS MANUAL MAY RESULT IN DEATH, SEVERE INJURY, OR DAMAGE TO THE PRODUCT OR OTHER PROPERTY. ALWAYS FOLLOW THIS MANUAL WHEN HANDLING AND USING THE PRODUCT.

Electrical Safety

- Only use the product with the recommended adapter and charging base. Do not use a different type of adapter or charging base than recommended. Using non-recommended parts carries a risk of electrocution.

- Before plugging in the adapter, make sure the voltage of your power outlet matches the nominal voltage on the adapter's rating plate. If in doubt, contact your power company or a certified electrician.
- Only plug the adapter plug into a properly grounded power outlet. Do not use extension cords or multi-plug sockets.
- Before using the product, make sure it is charged. Follow the charging instructions in this manual.
- Do not use the product, adapter, power cord or charging station near heat sources (e.g. wood stove, electric or gas cooking top, radiator, etc.). Do not expose them to direct sunlight, extreme temperatures or open flames (e.g. candles). Using non-recommended parts carries a risk of electrocution.
- Do not expose the product, adapter, power cord or charging station to dripping or splashing water. None of their parts are designed as waterproof. Do not use them in high-humidity or dusty environments, or near sinks, bathtubs or other vessels containing water. No part of the product is dishwasher safe. Electrocution hazard. The knife blade and handle may be washed according to the instructions in this manual.
- Do not immerse the product, adapter or charging station in water or any other liquid. Electrocution hazard.
- Do not touch the product, adapter or accessories with wet hands, especially when plugging into or unplugging from the mains.
- Route the adapter cable away from hot surfaces and so as to keep it from being stepped on or tripped over. Make sure the power cord does not hang off the edge of a table or worktop, become tangled or sharply bent, or touch sharp objects.
- Always turn off the product when leaving it unattended, when not using it, and before moving, cleaning or storage.
- Unplug the adapter from the mains socket by pulling on the adapter body, not on the power cord. Pulling on the cord risks damaging the adapter or the socket.
- Do not insert objects into apertures in the product, adapter or charging station. Electrocution hazard.
- Avoid drops and impacts on the product, the adapter and the charging station.

- Do not modify or convert the product to a different level of performance or manner of use.

Safe Placement

- Always place the product on a flat and stable surface. Otherwise, it could fall.
- Place the product out of reach of children and the mentally impaired.
- Always keep the blade guard on when not using the product.
- When charging the product, place it so that the power socket remains freely accessible, so that the product can be unplugged easily in an emergency.

Safe Use

- This product is designed for cutting common household foods. Do not use it to cut hard bread, meat and meat products containing bones, frozen meat, hard-pitted fruit, or food in aluminium foil or plastic wrap. Do not use it for cutting, slicing or other bladework related to workshop, garden, garage or similar work.
- This product is designed for indoor use only. Do not use it outdoors, on boats or in moving vehicles.
- Only use the product for its design purpose. Do not use it for commercial, research or industrial purposes.
- Do not use the product in the vicinity of electrical charges or electrical or vibrating equipment. The product's ultrasound emission can cause serious malfunctions in such equipment.
- The knife blade is very sharp. Take extra care when handling the knife. An ultrasonic blade cuts better than a comparable conventional blade. Improper handling may cause death or severe injury.
- Only use accessories supplied with the product or listed as compatible by the manufacturer. Using unapproved accessories may result in electrocution, injury, or damage to the product or other property.
- Remove the blade guard before switching on the product. Do not switch on the product with the blade guard on. Doing so may damage the product.

- Hold the product firmly by the handle.
- Do not apply excessive pressure when cutting to avoid damaging the product. It should not be necessary to exert much force, as the blade is very sharp and the ultrasonic technology delivers a straight and clean cut.
- Keep your work area clean.
- We recommend using a clean wooden cutting board, plain with no special finish. The blade's rapid vibration may cut through a plastic cutting board or melt it by friction heat, releasing noxious fumes. The blade may be damaged by cutting down on hard boards, such as marble. Do not cut food directly on kitchenware such as pans, pots, trays, etc. The blade and / or the kitchenware finish could sustain damage. The vibrating blade may gouge a wooden cutting board, or burn it slightly. We recommend stopping your cut, or stopping the vibration motor, slightly above the cutting board.
- Allow the product to come to a complete stop before removing the cut food.
- Do not carry the product around while it is switched on.
- Do not leave the product unattended when switched on, or when switched off but left where children or the mentally impaired may reach it.
- If food becomes stuck to the blade, switch off the product and carefully clean it (e.g. with a wooden spatula).
- Never touch the blade while the product is in operation. Doing so risks severe injury.
- Do not bend the blade! Irreversible damage to the product and / or severe injury may result.
- Only the blade is intended for contact with food.

WARNING: HOT SURFACE.

Do not touch the blade shortly after use. It gets hot enough in use to cause burns. The ultrasonic vibration causes the transducer to heat up, and this heat then spreads to the blade. The transducer and the hilt-side end of the blade can reach up to 80 °C in operation.

- When in use, do not look directly at the blade. Do not point the blade at anyone.
- When removing the blade cover, grasp the cover firmly with your whole hand at the top to prevent your fingers or hand from slipping onto the blade.

Safe Maintenance and Storage

- Turn the product off when not in use, when carrying, charging, and before cleaning or storing it.
- Clean the product after each use. Food debris stuck to the blade or other parts can result in staining and, possibly, corrosion.
- When cleaning, follow the instructions in the “Maintenance” section below.
- Only the maintenance tasks described in this manual may be performed by the user. Have all other maintenance performed at an authorised service centre only.
- This product does not contain user-repairable parts. Always have the product repaired and serviced at an authorised service centre. Do not repair the product yourself.
- Do not use the product if it appears to be malfunctioning, has fallen from a height or appears damaged. In that event, contact an authorised service centre.
- Store the product and its accessories in a safe, dry and well-ventilated place, out of the reach of children and the mentally impaired.
- We recommend charging the product regularly (at least once every three months) when not using it for longer periods. This will extend the life of the built-in battery.

Rechargeable Battery Safety Instructions

- The rechargeable battery can only be recharged when attached to the knife handle, or using our charging attachment accessory.
- The rechargeable battery is built into the product frame. Only our service technicians or other qualified personnel may remove the battery.
- Do not throw the product into fire. Do not use open flames, such as candles, near the product.
- Do not use or store the product where flammables, volatiles or explosives are used or stored.
- The product may heat up when charging. This is a normal occurrence. If the product overheats, stop using it.
- If the knife starts to whistle or make other odd noises, stop using it immediately.
- When removing the knife from the charger, grasp it by the handle, not the cover, to prevent your hand from accidentally slipping onto the blade in case the cover comes loose.
- Never attach or detach the handle from the battery while the battery is in the rechargeable base.
- To avoid battery explosion, do not expose the product to fire or attempt to dispose of it by burning.

Battery Disposal

The rechargeable battery is built into the product. Before environmentally friendly disposal or delivery to a collection point, the battery must be removed from the product. Only qualified personnel, such as authorised service centre technicians, may remove the battery from the product. The battery contains environmentally harmful substances and should not be disposed of in general waste. Take the battery to a collection point for environmentally friendly disposal.





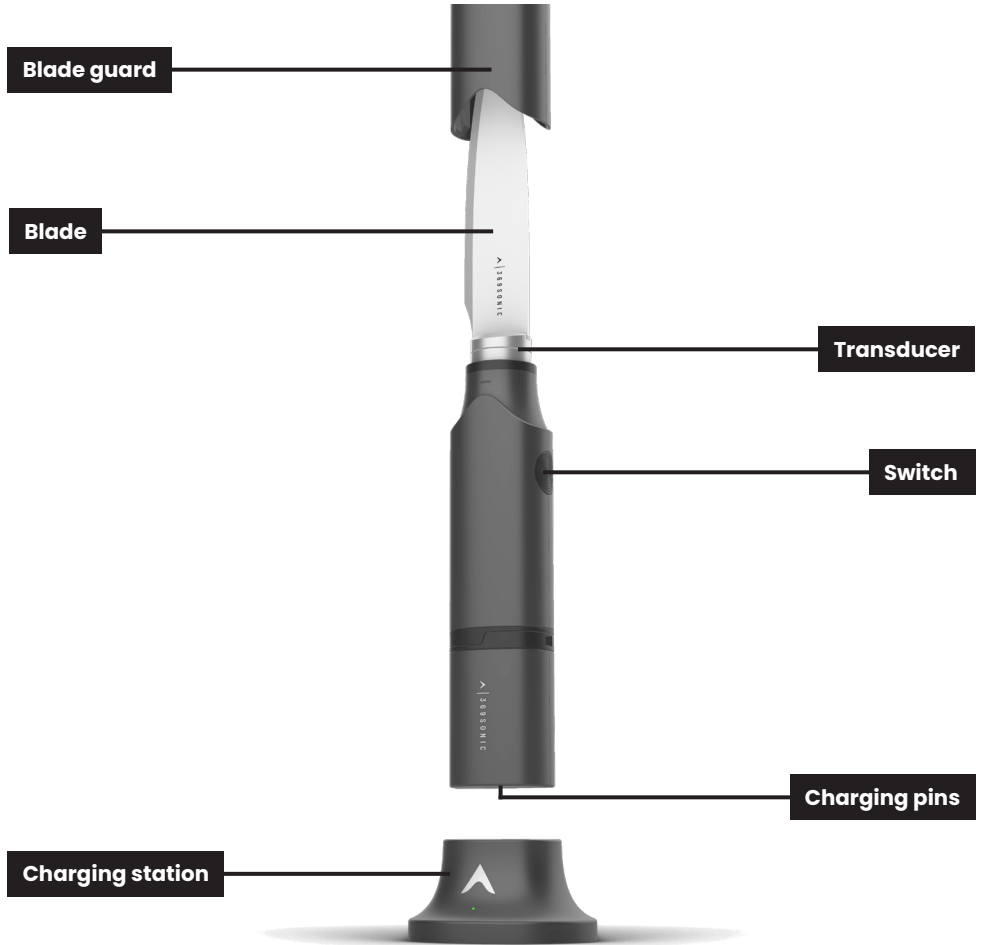
This symbol indicates the product is designed for indoor use only. Do not use it outdoors.



Li-ion

This symbol indicates the product contains a lithium-ion battery. Recycling must be carried out in accordance with applicable regulations.

➤ PRODUCT DESCRIPTION



Charging station type A



Charging station type B



PACKAGE CONTENTS

- 1 Ultrasonic knife, including replaceable blade and blade guard
- 1 Charging station, type A or type B
- 1 Storage box
- 1 Watertight sleeve
- 1 pair Earplugs
- 1 tub Food-safe lubricant / grease
- 1 Wrench, 1 Allen key
- 1 Blade cover

Charging station note

The charging station is available in two body designs (A and B). The internal components are identical for both designs. The instructions in this manual apply to both.

INTENDED USE AND FEATURES

The 369Sonic kitchen knife features innovative ultrasonic technology, making it one of the sharpest and most efficient kitchen knives on the market.

This ultrasonic kitchen knife is designed for domestic use in slicing food in typical family quantities. Do not use it to cut hard bread, meat and meat products containing bones, frozen meat, hard-pitted fruit, or food in aluminium foil or plastic wrap. Do not use it for cutting, slicing or other bladework related to workshop, garden, garage or similar work.

The ultrasonic vibrations improve the knife's cutting performance.

We recommend using a clean wooden cutting board, plain with no special finish. The blade's rapid vibration may cut through a plastic cutting board or melt it by friction heat, releasing noxious fumes. The vibrating blade may gouge a wooden cutting board, or burn it slightly. We recommend stopping your cut, or stopping the vibration motor, slightly above the cutting board.

The knife is equipped with a spatial sensor (measures angles and tilt) and a north indicator. Measurement data may be distorted due to interference.

The knife is equipped with a touch safety that detects hand contact and automatically switches the knife off when released. However, this system may not always be 100% effective due to possible interference. Do not rely on it as your main or only safety feature. This system is designed only as a backup safety measure.

BEFORE FIRST USE

- Remove the knife and all accessories from the packaging. Keep packaging material out of reach of children and pets. We recommend keeping the original packaging for at least the duration of the warranty. If necessary, dispose of the packaging material in an environmentally friendly manner.
- Check that the knife and all accessories show no signs of damage.
- Wipe the knife with a soft sponge dampened in warm water. Wipe dry with a clean cloth.
- Wipe the charging station and the AC adapter with a dry cloth only.
- Rinse the inside of the blade cover and replace the foam padding once it is dry.

CHARGING

- The rechargeable battery is integrated into the replaceable part of the knife handle. This entire section can be replaced when a new battery is required.
- The rechargeable battery is built into the knife handle.
- We recommend fully charging the knife before first use.
- Plug the adapter cable into the port on the back of the charging station. Plug power cord into a properly grounded mains outlet.
- Insert the end of the knife handle into the charging base.
- The indicator light on the charging station will turn red.
- When the indicator light turns green, the knife is fully charged. Unplug the power cord from the mains and the adapter cable from the back of the charging station.
- If four short beeps sound during cutting, the battery is low and needs to be recharged.

- If the red light on the charging station flashes, the station has overheated and charging has stopped. Charging will automatically resume when the station cools below 45 °C.

WARNING

Always make sure the blade guard is on.

➤ USE

**WARNING**

THE KNIFE BLADE IS VERY SHARP. NEVER TOUCH THE BLADE WHILE THE KNIFE IS IN OPERATION.

Take extra care when handling the knife. An ultrasonic blade cuts better than a comparable conventional blade. Severe injury may result.

Always switch off the knife and put on the blade guard when done cutting or when not using the knife, moving it, leaving it unattended, etc.

Unlocking the Safety

The knife is equipped with a safety that must be unlocked before use. This safety feature prevents unintentional activation that could otherwise cause severe injury or other hazardous situations.

**WARNING**

Do not attempt to disable or otherwise modify the safety. You could irreversibly damage the knife or create a hazardous situation.

- 1 Remove the knife from the charging station.
- 2 Press the switch three times within a span of 3 seconds.

3 A long beep will sound to indicate the knife has been unlocked.

Note: The knife will not switch on while locked.

Use

Place the food you want to cut on a wooden cutting board. Make sure the board rests secure on the work surface and will not slide.

The knife has two cutting modes:

- 1 Press the switch briefly to activate the 18-second single-cut mode. A short beep will sound. After 18 seconds of operation, the knife will automatically switch off and two short beeps will sound. To stop the knife earlier, press the switch again. When this mode is activated, the white light on the knife handle will glow steadily to indicate that slicing mode is active.
- 2 Press and hold the switch to activate continuous operation mode. A short beep will sound. The knife will remain on for as long as you hold the switch. When you release the switch, the knife will switch off immediately. There will be two short beeps. When this mode is activated, the white light on the knife handle will glow steadily to indicate that slicing mode is active.

Select the slicing mode best suited to your intended use.



ALERT

If the white light is on, ultrasonic cutting mode is active.
Avoid all contact with the blade.

Locking the Safety

When not using the knife, moving it or leaving it unattended, lock it to prevent accidental activation.

- 1 Press the switch three times within a span of 3 seconds.
- 2 Three short beeps sound to indicate the safety is locked.

The safety also automatically locks after 6 minutes of inactivity. Three short beeps sound when it locks.

Reset

Use the Reset feature if the knife is not responding to commands.

- 1 Remove the battery and reinsert it.
- 2 This disconnects and reconnects power to the knife, resetting it.

An automatic reset can also occur during use, e.g. when the knife overloads. In this case, there will be three short beeps followed by one long beep (this is a reset called by the internal software as a safety feature).

➤ SWITCH FUNCTION, INDICATOR LIGHTS AND CHIMES

Switch function	
1 short press	Switches knife on in 18-second single slice mode.
Continuous press	Switches knife on in continuous operation mode.
3 short presses	Locks / unlocks safety

Chimes	
1 short beep	Start of operation
2 short beeps	End of operation
10 short beeps	Power-on attempt detected while charging (knife cannot be powered on when charging)

3 short beeps	Safety on
1 long beep	Safety off
4 short beeps	Low battery warning
1 beep of 1.5 seconds	Overcurrent warning
3 beeps	Overheat warning
3 short beeps	Safety on warning
Continuous tone	Thermistor failure (requires professional repair)

Indicator lights

White LED light on the handle	The white LED on the handle is on when the ultrasonic cutting mode is active.
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ATTENTION

If the knife switches itself off during cutting and three beeps sound, the temperature sensor has detected internal temperature exceeding 60 °C. Stop using the knife and let it cool down until one long beep sounds, signalling internal temperature has dropped to 45 °C.

If the knife switches itself off during cutting and beeps for 1.5 seconds, this indicates overcurrent in the knife's internal wiring. If the problem recurs, try tuning to a new resonant frequency with a lower current load or reduce the voltage value in standard or power mode via our app. Also make sure the blade is properly tightened and the contact surfaces fit together as snugly as possible. If neither of these steps solves the problem and the overcurrent protection keeps tripping, we recommend having the knife serviced at an authorized service centre.

➤ MAINTENANCE

Clean the knife after each use. Food debris stuck to the blade or other parts can result in staining and, possibly, corrosion.



WARNING

THE KNIFE BLADE IS VERY SHARP. NEVER TOUCH THE BLADE WHILE THE KNIFE IS IN OPERATION.

Take extra care when handling the knife. An ultrasonic blade cuts better than a comparable conventional blade. Severe injury may result.

WARNING

Do not immerse the knife, adapter or charging station in water or any other liquid. No part of the knife or accessories is dishwasher safe.

WARNING

Do not clean with chemicals, abrasives, solvents, gasoline cleaner, etc. Do not use wire cloths, brushes or other tools that could damage the finish.

Washing the Blade

The blade and the protruding part of the transducer may be washed gently under clean running water. The knife **MUST** be washed, wiped and rinsed with blade pointing down, to keep water from getting inside the handle.

Carefully wipe the blade with a dry cloth.

Handle and Blade Guard

Wash the knife handle and blade guard with a soft sponge dampened

in warm water. Wipe dry with a clean cloth. Before wiping the handle, put a rubber gasket around the battery compartment edges to keep water from getting in.

Adapter and Charging Station

Wipe the charging station and the AC adapter with a dry cloth only.

Sharpening the Blade

The blade comes sharp from the factory and its high-quality steel holds an edge well. Eventually however, the blade will dull with use, as any blade does. Sharpen the blade when required.

Ask your whetstone manufacturer for instructions, or check instructions that came with the whetstone.

Sharpening the blade may affect the frequency required for cutting, which may require the blade to be re-tuned. If a large amount of blade material is taken off by whetting, a resonant frequency may not be recoverable, rendering the blade useless. Changes in the blade shape may also lead to undesirable noise, such as whistling. In these cases, you may attempt to adjust the resonant frequency, or simply replace the blade.

Replacing the Blade

Our knives ship already tuned to the resonant frequency of the blade type you ordered. Information on your blade frequency can be found in the 369Sonic mobile app and the bundled data sheet.

ATTENTION

BLADE REPLACEMENT AND THE FREQUENCY TUNING REQUIRED AFTERWARD IS A FAIRLY COMPLEX PROCESS. WE RECOMMEND REPLACING THE BLADE ONLY IF IT BECOMES NECESSARY.

THE BLADE IS VERY SHARP. HANDLE WITH CARE. WHERE BLADE CONTACT CANNOT BE AVOIDED, E.G. WHEN CHANGING THE BLADE, HOLD IT BY THE SPINE (THE DULL SIDE). ALWAYS STORE THE KNIFE WITH THE BLADE FACING AWAY FROM YOU.

If you decide to replace the blade due to damage, major wear or to equip a different blade type, proceed as follows:

- Activate the safety to keep the knife from accidentally switching on during the replacement process. Put on the plastic blade guard supplied with the knife.
- Place the knife on a flat, non-slip surface.
- In the package with the knife you will have received a small wrench. Use this to hold the ultrasonic transducer in place, to keep it from spinning out of alignment while you loosen and tighten the screws that hold the blade.
- The blade and transducer have two holes on the sides, holding two M4 screws. These screws must be loosened and removed. When loosening, be sure to hold the ultrasonic transducer with the wrench at all times to prevent it from spinning, which might damage it.
- After removing the screws, you can remove the blade.
- After removing the original blade, we recommend cleaning the ultrasonic transducer surface and removing all debris and dirt.

Important! Take care not to scratch the surface. The contact surfaces of the transducer and the blade should fit together as snugly as possible for best performance. Scratching these surfaces may reduce performance, or even render the product useless.

- Transfer the plastic blade guard to the new blade and attach the blade to the transducer.
- Insert the screws back into their holes. Hold the transducer with the

wrench in the same way as before, and gradually and evenly tighten the screws.

- As a final step, a new resonant frequency must be tuned for the new blade. The resonant frequencies of different blades may vary slightly due to minor variations in the metal or different tightening of the screws. Follow the instructions in our mobile app to tune for your new blade.

Short-Term Storage

When not using the knife, switch it off and set the safety. Clean as described above, then put on the blade guard. Insert the knife into the unplugged charging base and store in a safe place out of reach of children, the mentally impaired, and pets.

Long-Term Storage

When not using the knife for longer periods, put it in the supplied storage box, then store the box in a dry and well-ventilated place out of reach of children, the mentally impaired, and pets.

We recommend charging the product regularly (at least once every three months) when not using it for longer periods. This will extend the life of the built-in battery.

➤ TECHNICAL SPECIFICATION

Ultrasonic knife	
Frequency range	20–70 kHz
Length (excl. guard and charging station)	190 mm
Weight (excl. guard and charging station)	330 g

Maximum power	51 W (maximum power may vary depending on voltage setting in the app)
Operating temperature range	5–35 °C
Battery	Li-Ion 11.1 V, 1200 mAh
Charge time	~1.5 hours

Charging station	
Input	19 V, 1.5 A
Input connector	DC connector 5.5 mm × 2.1 mm

Adapter not included! Recommended adapter specifications:

Recommended power adapter	
Input	100–240 V~, 50–60 Hz, 1 A
Output	19 V / 1.5 A

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