

HumminGuru™ S-DUO

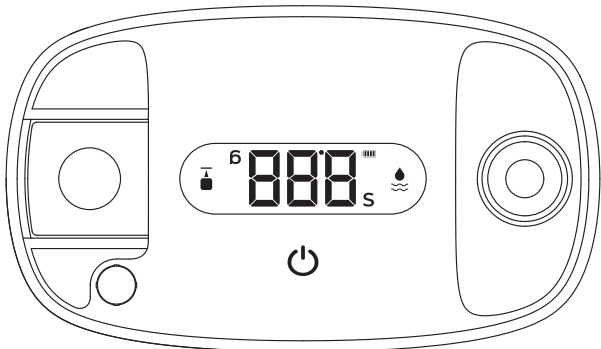
2-in-1 Ultrasonic Cleaning &
Digital Pressure Gauge
for Turntable Stylus



HumminGuru™

Owner's Manual

Model: HG02



Thank you for buying the HumminGuru S-DUO. To apply this product safely and properly, please read the manual thoroughly and well understand before use. After reading, please keep the manual handy.

Safety Precautions

Important! Read all instructions carefully before use and keep it for future reference.

The HumminGuru S-DUO executes two main functions: ultrasonic cleaning and vertical down force measurement. The device is limited to serve for turntable stylus only and applicable to moving magnet and the moving coil cartridge. This page is mainly referred to safety precautions to prevent property damage and danger to the users and others. After understanding the indication and the symbols clearly, please read thoroughly and follow the instructions strictly.

Symbol Explanation



Warning

Indicating "when the product is used wrongly, it may cause severe injuries*1 and death."



Caution

Indicating "when the product is used wrongly, the user may get injured*2 or the product may cause property damage*3."

*1: Severe injuries mean to get an electric shock, short circuit, and ignition.

*2: Getting injured mean you get wound and electric shock.

*3: Property damages means the damage to the accommodations, properties, the device, and turntable cartridge, etc.



Prohibited



Disassemble is prohibited



Soaking is prohibited



Wet hand is prohibited



Mandatory



Indicates prohibition (must not do). The details of the prohibition will be instructed by sentences or illustration nearby or in the symbol.



Indicates mandatory (must do). The details of the mandatory will be instructed by sentences or illustration nearby or in the symbol.



WARNING : AAA BATTERY



- DO read the instructions on your device before installing batteries. Only use the size and type of battery specified in the instructions.
- DO keep the batteries in a safe place away from children and pets.
- DO insert the batteries properly. Follow the symbols showing the correct way to position the positive (+) and negative (-) ends of the batteries.
- DO remove all batteries from the device at the same time and replace them with new batteries of the same size and type.
- DO remove the batteries when it is not expected to be used for extended periods of time (>6 months).



- DO secure the battery compartment.
- DO NOT mix old and new batteries, or mix different types or makes of batteries. This can cause leakage or rupture, resulting in personal injury or property damage.



- DO NOT use rechargeable batteries.
- DO NOT insert batteries with wet hands.



WARNING: THE DEVICE



This device can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the equipment a safe way and understand the hazards involved. Children shall not play with the device. Cleaning and user maintenance shall not be made by children without supervision.



- DO NOT clean anything except the turntable stylus.
- DO NOT measure anything except the turntable cartridge.
- DO NOT overload the scale platform with anything ≥ 10 grams. Failing to do so may cause damage or deform the sensitivity of the device's sensor.
- The device contains small parts that can be swallowed or produce a choking hazard to children. Always keep the device out of children's reach.



- DO NOT disassemble, fix, repair, or modify the device in any way without authorization of the manufacturer.



- DO NOT expose the device to water or immerse the device in water.

Individual applications are subject to great variation. Prior to use, the user should determine whether this device is suitable, adequate, or safe for the use intended.



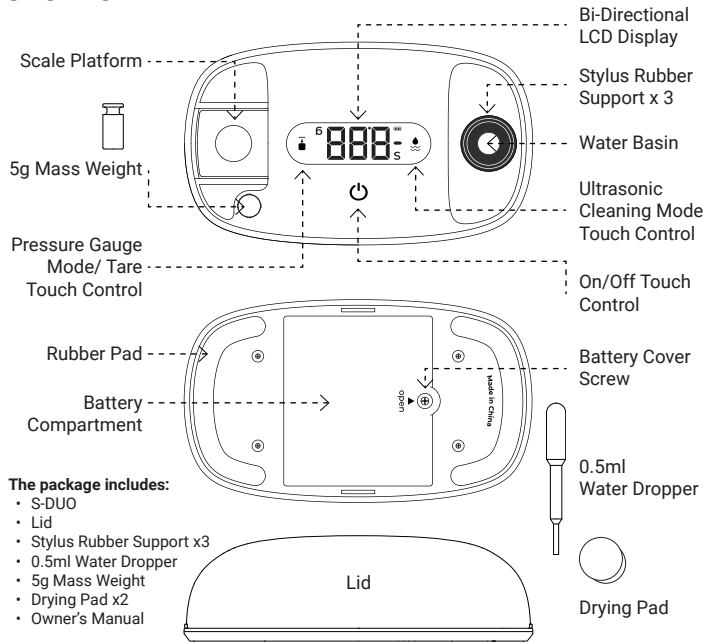
CAUTION



- DO NOT overfill the water basin.
- DO NOT operate the device without water inside the water basin.
- DO NOT move and tilt the device during operation.
- DO NOT leave the device unintended during operation.
- DO NOT put foreign body, hot water, alcohol, and any other forms of liquid except water.
- DO NOT put the turntable stylus roughly into the water basin or on top of the scale platform.
- DO NOT drop the device.
- Keep the device on level surface.
- DO clean up the water basin with cotton swab or damp cloth after use.





Overview



Controls and Functions

On/Off Touch Control

- To power on the device, touch the “” icon once.
- To power off the device, touch the “” icon for 3 seconds.

** The device will automatically turn off after 1 minute of inactivity.

Bi-Directional LCD Display

The LCD display automatically rotates 180 degree when switching the function between the ultrasonic cleaning mode and the pressure gauge mode.



Ultrasonic Cleaning Mode

The ultrasonic cleaning (☼) is a default mode. The cleaning process takes 20 seconds per cycle and the countdown timer on the screen indicates the number of seconds. During the cleaning cycle, mode switching is not allowed. Simply power-off the device by touching the (⏻) for 3 seconds to stop the cleaning cycle if needed.



Stylus Rubber Support

The 3 types of stylus rubber support provided are designed to accommodate with different types of turntable cartridges. Insert the rubber support properly onto the water basin, place the cartridge to test out the compatibility, and select the best fit^{*1}.

Correct Placement of the Stylus Rubber Support

Type	No. 1	No. 2	No. 3
Top View			
Bottom View			

^{*1} The stylus cantilever should not be leaned against the stylus rubber support, and the stylus tip should not be rested on the base of the water basin.

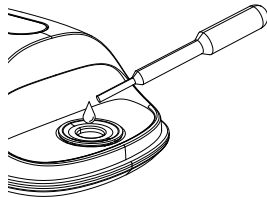
Water Basin

Must insert the rubber support properly onto the water basin, and then use the water dropper to fill up the basin with water before starting the ultrasonic cleaning mode.



Caution

- DO NOT operate the cleaning mode without water in the water basin.



Pressure Gauge Mode

The aluminium digital pressure gauge is used to determine the stylus tracking force.

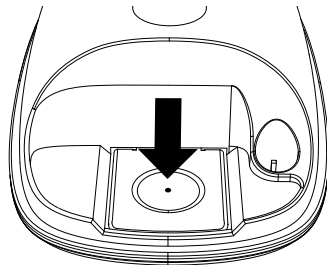
Scale Platform

Rest the cartridge gently on top of the scale platform and place the stylus aligned with the black dot indicated.




Caution

- DO NOT overload the scale platform with anything ≥ 10 grams. Failing to do so may cause damage or deform the sensitivity of the device's sensor.
- DO NOT measure anything except the turntable cartridge.



5g Mass Weight


It is essential to check the scale at regular intervals to achieve accurate weighing results. Place the 5g mass weight on the scale and check if it is within predetermined limits (the tolerance of the 5g mass weight is $\pm 0.01\text{g}$). If not, touch () to reset zero.

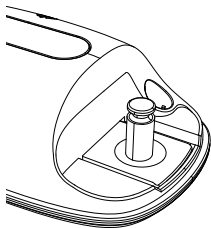
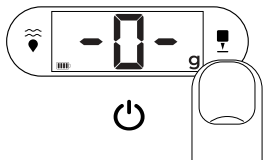


Caution

- Keep the weight out of reach from children.

Reset Zero

Resetting to zero can only be done when the device is on the pressure gauge mode. Simply touch the pressure gauge mode () once to reset zero.



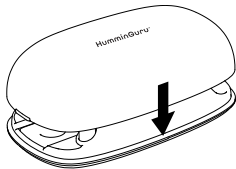
The Lid

The lid is a removable cover for the device. Always put the lid on for protection.



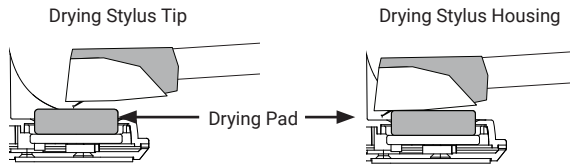
Caution

- Pick up the device by holding the lid may result in dropping. Pick up the device from the bottom of the device.



The Drying Pad

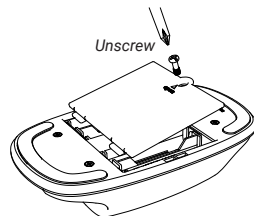
Use the dust-proof drying pad provided and place it on the water basin to quickly absorb the water after the ultrasonic cleaning. Gently rest the stylus on the pad for water absorption if necessary. ***Wet the drying pad before use.*



Battery Installation/Replacement

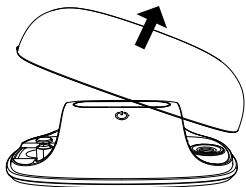
The HumminGuru S-DUO is supplied with four 1.5V Type AAA (LR 03) batteries. For best performance, we recommend Duracell® Alkaline batteries.

1. Open the battery compartment by removing the screw with the Phillips head screwdriver.
2. Install/replace with the new batteries, making sure the poles are in the right direction.
3. Close the compartment cover properly and tighten the screw with the Phillips head screwdriver.

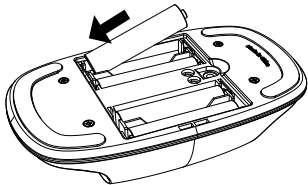


Setting up the Device

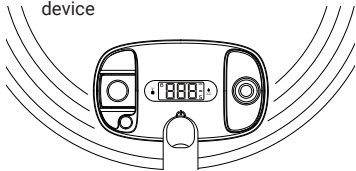
1. Open the lid.



2. Install 4 new AAA batteries



3. Place on the turntable platter and touch the "⏻" icon to turn on the device



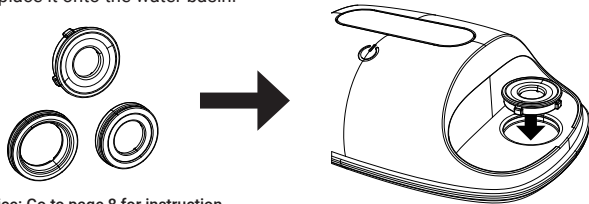
4. Select the function mode to start. See next few pages for details.



Notice:
Ultrasonic Cleaning mode is on by default when the device is turned on.

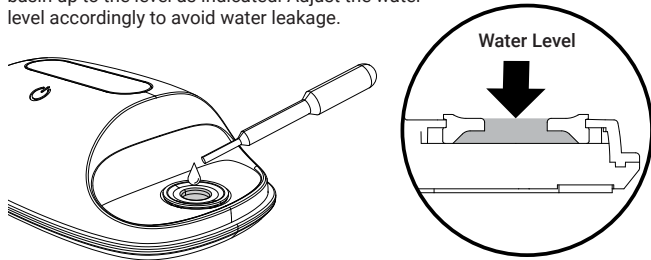
Using Ultrasonic Cleaning

1. Select one of the stylus rubber support that suits for your cartridge and place it onto the water basin.

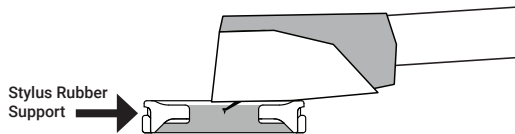


Notice: Go to page 8 for instruction

2. Load the dropper with water and gently fill the water basin up to the level as indicated. Adjust the water level accordingly to avoid water leakage.



- Rest the cartridge on top of the rubber support and ensure the stylus tip is submerged in the water.



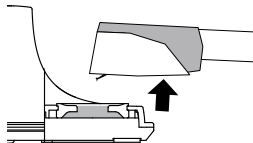
Notice: The stylus cantilever should not be leaned against the stylus rubber support.

- Touch the cleaning mode switch (🚿) to start the cleaning for 20 seconds.



Notice: 🚿 and 🎵 will be disabled for 5 seconds after each ultrasonic cleaning cycle.

- Use the drying pad for water absorption, lift up and reposition the tonearm on the turntable.



Caution

- Do not put foreign body, hot water, and any other forms of liquid except water.
- Place the rubber support on the top of the water basin before use. Do not allow the stylus tip resting on the base of the water basin during the cleaning cycle. Failing to do so may cause damage to the turntable stylus.

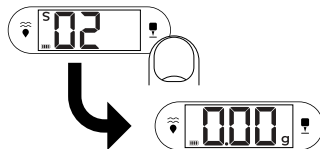


AVOID TOUCHING
THE BASE

Using Pressure Gauge

Flip the device 180 degree if the user switches to the pressure gauge mode after ultrasonic cleaning.

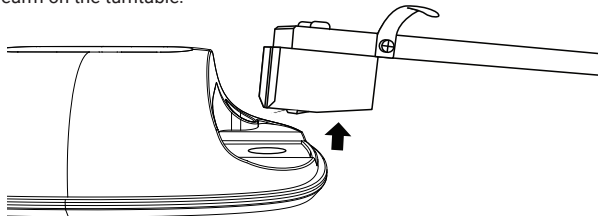
- Touch the (🎵) to start the pressure gauge mode.








- Place the stylus cartridge on top of the scale platform. Based on the measurement, adjust the weight of the tonearm accordingly.



- Afterward, lift up and reposition the tonearm on the turntable.

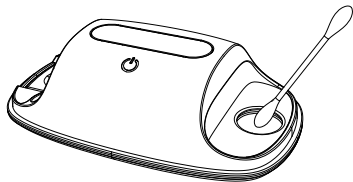


Errors and Trouble Shooting

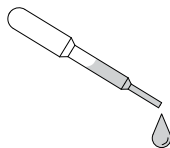
 Overload	When the pressure gauge is overloaded $\geq 10g$, three dashes symbol will appear on the display.
 Error	Must place the device on level surface before turning on the power. DO NOT overload the scale platform with $\geq 150g$ objects.
 20 ^{CL} _s	Flashing screen during ultrasonic mode when the battery is low. Unable to operate ultrasonic cleaning mode properly.
	Battery is low. Unable to operate ultrasonic cleaning mode properly, but the pressure gauge can still operate correctly.
	Replacement of batteries is required.

Maintenance

1. Clean the water basin and wipe away excess water with a cotton swab or a damp cloth after use.



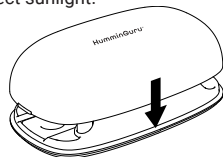
2. Release excess water from the dropper and the drying pad. Keep them handy after use.



3. Rinse and dry the rubber supports on a regular basis.



4. Cover the device with the lid and store in a cool, dry place, out of direct sunlight.



Caution

- Do not expose the device to water or immerse the device in water.
- Do not expose the device and accessory parts under direct sunlight.

Specification

Product Name	HumminGuru S-DUO
Model	HG02
Power Supply	DC 6V. LR03 Size AAA x 4
Power	5 W
Product Size	125 x 73 x 38 mm
Product Weight	128 g
Ultrasonic Frequency	110 kHz
Capacity	10 g
Resolution	0.01 g
Standard	GB 4706.1-2005

Limited Warranty

HumminGuru warrants this product against defects in material or workmanship for the original purchaser/user for one year from the original date of receipt of product. Pursuant to this Limited Warranty, HumminGuru will, at its option, (i) repair the product using new or refurbished parts, or (ii) replace the product with a new or re-certified/refurbished product. In the event of a defect, these are your exclusive remedies.

This Limited Warranty covers only the device except for the cleaner lid, the water dropper, the rubber supports, and the mass weight, and the drying pad.

Repair/Replacement Warranty

HumminGuru is not responsible for, and this Limited Warranty does not cover, any damage arising from a failure to operate the product within its intended uses, or otherwise follow the owner's manual and safety instructions relating to the product's use and installation. HumminGuru is not responsible for any labor or parts costs you incur relating to repairs or services from providers/ servicers other than from HumminGuru authorized providers/servicers. This Limited Warranty only covers product issues caused by defects in material or workmanship during ordinary consumer use. This Limited Warranty is non-transferable. No other warranty, written or oral, is authorized by HumminGuru.

This Limited Warranty does not cover products purchased from sources other than HumminGuru or HumminGuru authorized dealers (including non-authorized online auctions), or issues due to (i.) Outdoor exposure and other acts of nature; (ii.) Lack of reasonable care; (iii.) Accidental damage; (iv.) Misuse or abuse; (v.) The affixing of any attachment not provided with the product; (vi.) Damage, malfunction and/or failure to product resulting from use of parts or supplies not sold or authorized by HumminGuru; (vii.) Damage; malfunction and/or failure to product resulting from servicing not authorized or performed by HumminGuru; (viii.) Modifications of or to any of the product; (ix.) Loss of part; (x.) Use of unauthorized chemical cleaning agents or liquids.

LIMITATION ON DAMAGES:

HUMMINGURU SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES DUE TO A DEFECTIVE PRODUCT OR FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION ON THIS PRODUCT.

To obtain warranty service, you must contact our customer support (support@happywell.com.hk) and please visit www.humminguru.com/policies/refund-policy for further instruction.

Warranty Card

Model: HG02

Order #: _____

Date of Purchase (mm/dd/yy): _____

Date of Receipt (mm/dd/yy): _____

Customer Name: _____

Address: _____

For service, or questions, please contact customer support
at support@happywell.com.hk

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