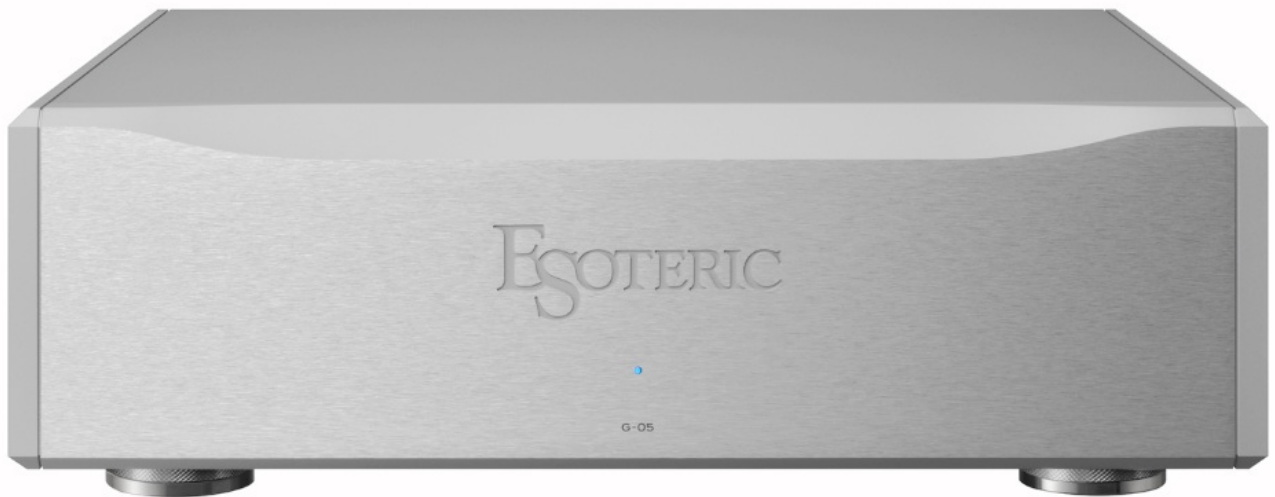




ESOTERIC G-05 Master Clock Generator Owner's Manual

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ESOTERIC G-05 Master Clock Generator





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IMPORTANT SAFETY INSTRUCTIONS



 The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.


 The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

- DO NOT REMOVE THE EXTERNAL CASES OR CABINETS TO EXPOSE THE ELECTRONICS. NO USER SERVICEABLE PARTS ARE INSIDE.
- IF YOU ARE EXPERIENCING PROBLEMS WITH THIS PRODUCT, CONTACT THE STORE WHERE YOU PURCHASED THE UNIT FOR A SERVICE REFERRAL. DO NOT USE THE PRODUCT UNTIL IT HAS BEEN REPAIRED.
- USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE

SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

1. Read these instructions.
 2. Keep these instructions.
 3. Heed all warnings.
 4. Follow all instructions.
 5. Do not use this apparatus near water.
 6. Clean only with dry cloth.
 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
 9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
 10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
 11. Only use attachments/accessories specified by the manufacturer.
 12.  Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
 13. Unplug this apparatus during lightning storms or when unused for long periods of time.
 14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- The apparatus draws nominal non-operating power from the AC outlet with its POWER or STANDBY/ON switch not in the ON position.
 - The mains plug is used as the disconnect device; the disconnect device shall remain readily operable.
 - Caution should be taken when using earphones or headphones with the product because excessive sound pressure (volume) from earphones or headphones can cause hearing loss.

WARNING

Products with Class I construction are equipped with a power supply cord that has a grounding plug. The cord of such a product must be plugged into an AC outlet that has a protective grounding connection.

IN USA/CANADA, USE ONLY ON 120V SUPPLY.

CAUTION

- Do not expose this apparatus to drips or splashes.

- Do not place any objects filled with liquids, such as vases, on the apparatus.
- Do not install this apparatus in a confined space such as a book case or similar unit.
- The apparatus should be located close enough to the AC outlet so that you can easily reach the power cord plug at any time.
- If the product uses batteries (including a battery pack or installed batteries), they should not be exposed to sunshine, fire or excessive heat.
- CAUTION for products that use replaceable lithium batteries: there is danger of explosion if a battery is replaced with an incorrect type of battery. Replace only with the same or equivalent type.

Supplier's Declaration of Conformity



Model number: G-05

Trade name: ESOTERIC

Responsible party: 11 Trading Company, LLC

Address: 3502 Woodview Trace #200 Indianapolis, IN 46268 U.S.A. URL:

<https://11tradingcompany.com/contact-us/>

This device complies with Part.15 of FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference
2. This device must accept any interference received, including interference that may cause undesired operation.

Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the equipment and/or the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Model for Canada

This Class B digital apparatus complies with Canadian ICES-003.

Model for Europe



This product complies with the European Directives request, and the other Commission Regulations.

Model for UK



This product complies with the applicable UK regulations.

For European Customers

Disposal of electrical and electronic equipment and batteries and/or accumulators

a) All electrical/electronic equipment and waste batteries/accumulators should be disposed of separately from the municipal

waste stream via collection facilities designated by the government or local authorities.

b) By disposing of electrical/electronic equipment and waste batteries/accumulators correctly, you will help save valuable resources and prevent any potential negative effects on human health and the environment.

c) Improper disposal of waste electrical/electronic equipment and batteries/accumulators can have serious effects on the environment and human health because of the presence of hazardous substances in the equipment.



d) The Waste Electrical and Electronic Equipment (WEEE) symbols, which show wheeled bins that have been crossed out, indicate that electrical/electronic equipment and batteries/accumulators must be collected and disposed of separately from household waste.

If a battery or accumulator contains more than the specified values of lead (Pb), mercury (Hg), and/or cadmium (Cd) as defined in the Battery Directive (2006/66/EC, 2013/56/EU), then the chemical symbols for those elements will be indicated beneath the WEEE symbol.

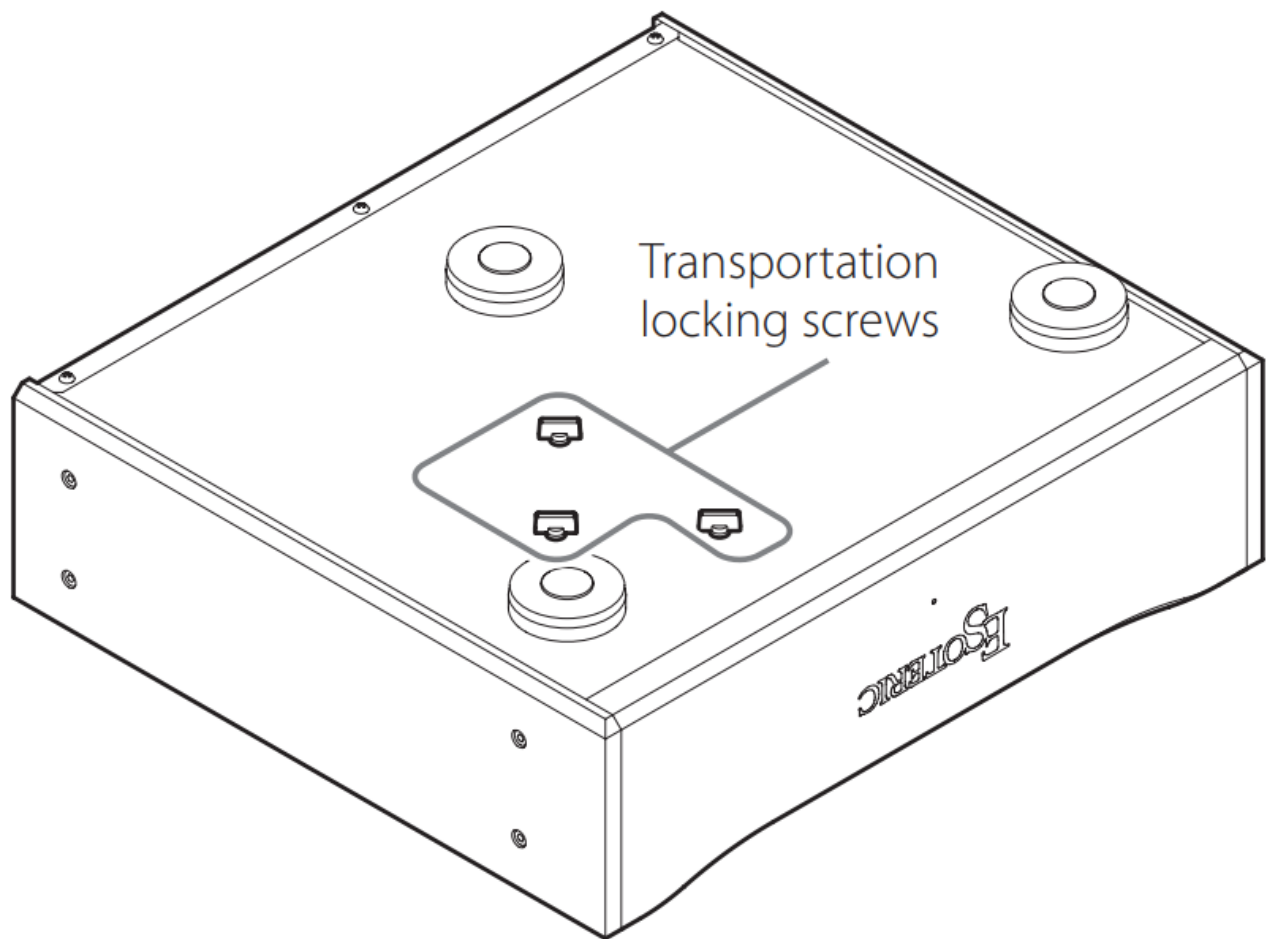
e) Return and collection systems are available to end users. For more detailed information about the disposal of old electrical/electronic equipment and waste batteries/accumulators, please contact your city office, waste disposal service or the shop where you purchased the equipment.

Thank you for purchasing this ESOTERIC product.

Read this manual carefully to get the best performance from this product. After reading it, keep it in a safe place with the warranty card for future reference.

About the transportation locking screws

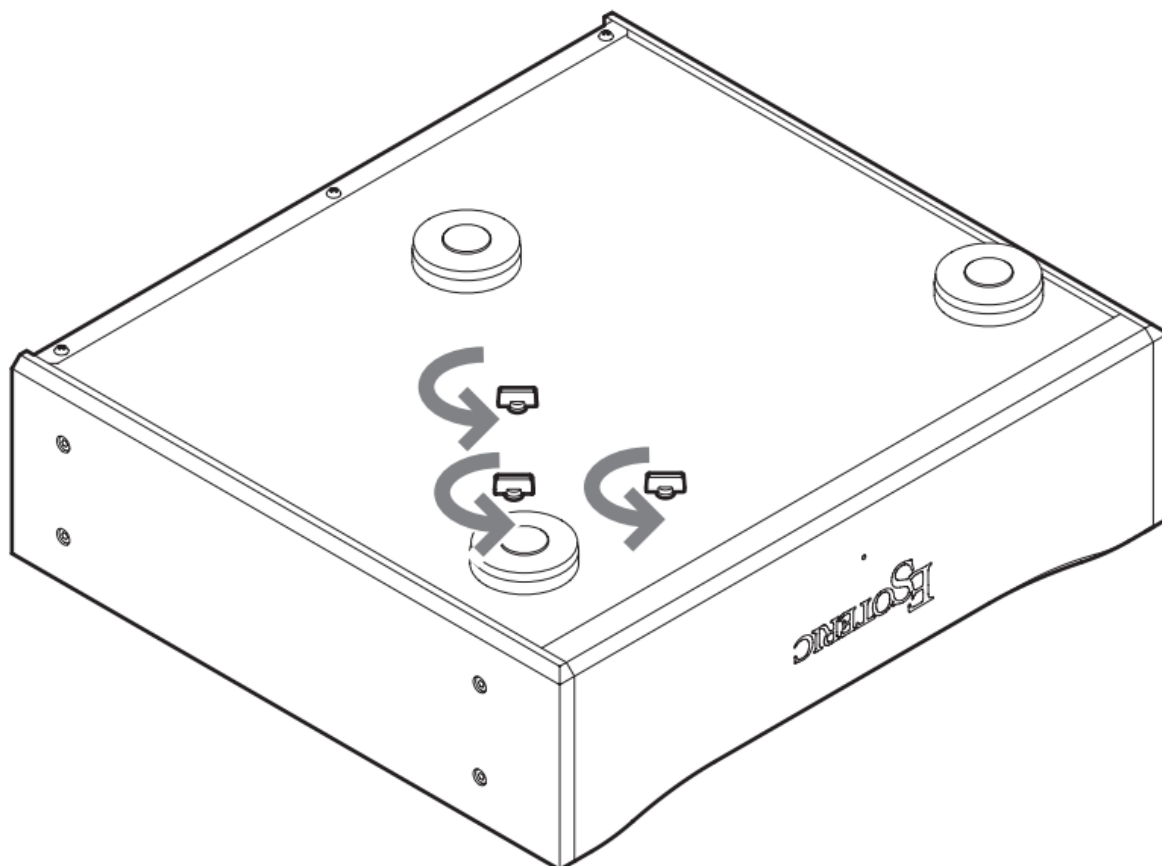
For the purpose of improving the sound quality, G-05 is structured so that the crystal oscillator (OCXO) unit attachment has some play. For this reason, before shipment from the factory, transportation locking screws have been attached through the bottom of the unit to protect the crystal oscillator (OCXO) unit from vibration during transportation.



Before installing the unit

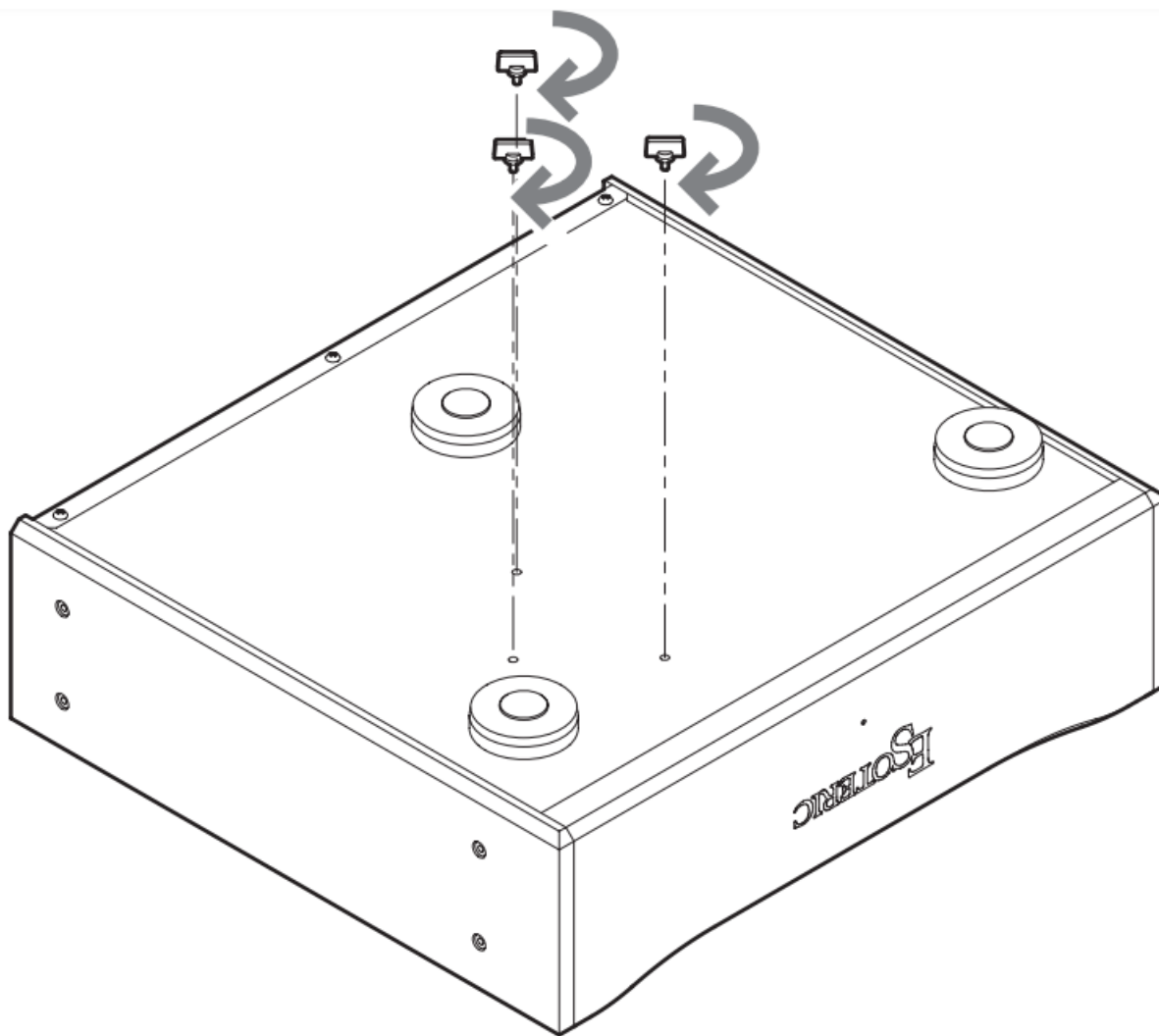
Before installing the unit, remove the three transportation locking screws.

- Save the transportation locking screws in a safe place because you will need to reattach them before transporting the unit in the future.



Before transporting the unit

Before transporting the unit, reattach the three transportation locking screws removed when the unit was installed.



Before use

Included accessories

Check to be sure the box includes all the supplied accessories shown below. Please contact the store where you purchased this product if any of these accessories are missing or have been damaged during transportation.

Power cord × 1
Felt pads × 3
Owner's manual (this document) × 1
Warranty card × 1

Note about placement

The steel cone-shaped feet are attached loosely so they effectively disperse vibrations after placement.

- Apply the included felt pads to the bottoms of the foot-stands to avoid scratching the surface where the unit is placed.

Precautions for use

- Do not install this unit in a location that could become hot. This includes places that are exposed to direct

sunlight or near a radiator, heater, stove or other heating equipment. Moreover, do not place it on top of an amplifier or other equipment that generates heat. Doing so could cause discoloration, deformation or malfunction.

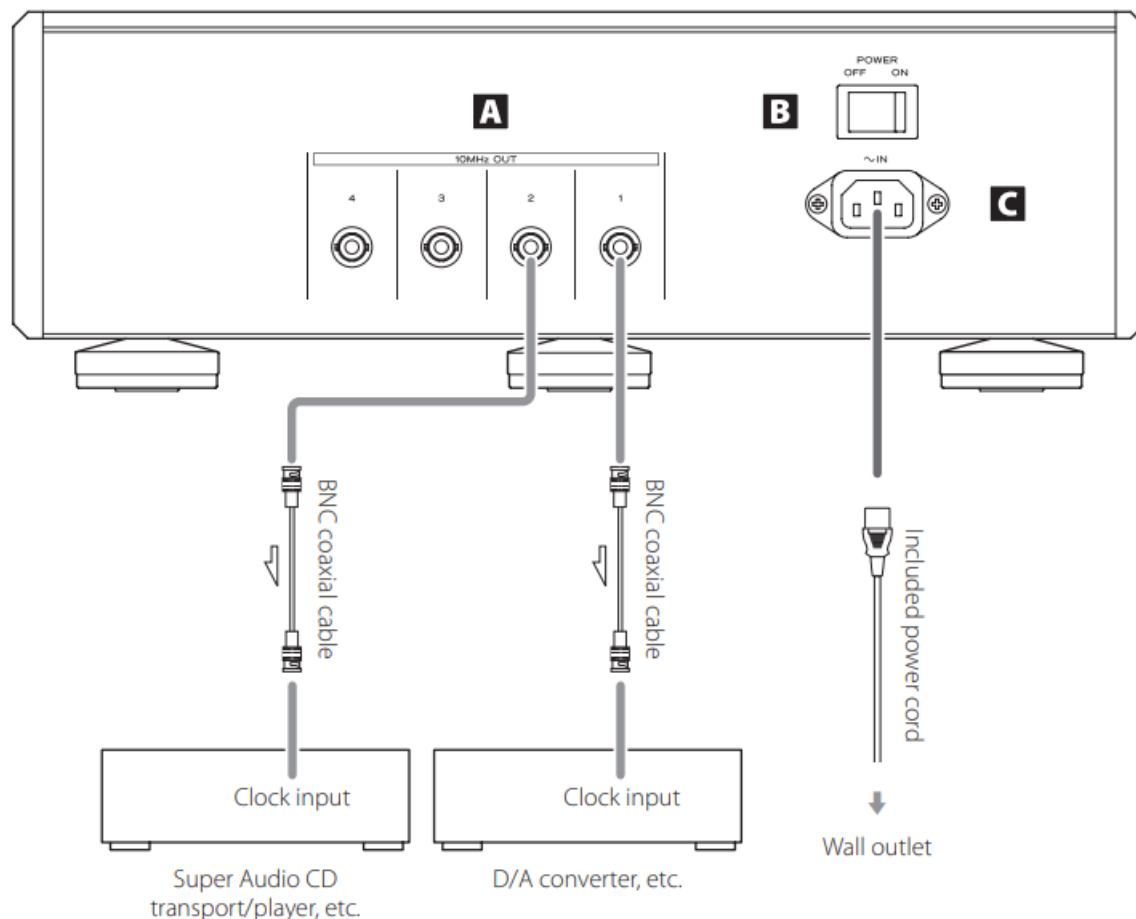
- In order to enable good heat dissipation, leave at least 20 cm (8") between this unit and walls and other equipment when installing it. If you put it in a rack, for example, leave at least 5 cm (2") open above and 10 cm (4") open behind it. Failure to provide these gaps could cause heat to build up inside and result in fire.
- Place the unit in a stable location.
- Do not place anything on top of the unit.
- Do not move the unit during use.
- Be careful to avoid injury when moving the unit due to its weight. Get someone to help you if necessary.
- The voltage supplied to the unit should match the voltage as printed on its back. If you are in any doubt regarding this matter, consult an electrician.
- Do not open the body of the unit as this might result in damage to the circuitry or cause electric shock. If a foreign object should get into the unit, contact your dealer.
- When removing the power plug from an outlet, always pull directly on the plug; never yank on the cord itself.

Connections



Precautions when making connections

- After completing all other connections, plug the power plug into a power outlet.
- Read the owner's manuals of all devices that will be connected, and follow their instructions.
- For connections other than clock sync, refer to the owner's manuals of the other devices.
- When using separate devices, such as a CD transport and a D/A converter, input the clock signal from this unit to both.



A 10MHz OUT connectors

These output 10MHz clock signals (sine wave, 0.5Vrms output level, 50Ω output impedance). Connect these 10MHz OUT connectors to the clock input connectors of CD players, D/A converters and other digital devices that support 0.5Vrms 10MHz input.

Use commercially-available BNC coaxial cables (with 75Ω or 50Ω impedance) for connection.

B POWER switch

Use this to turn the unit on and off.

When the unit is on, the power indicator blinks or stays lit constantly.

- When the POWER switch is set to ON, the unit starts warming the crystal oscillator (OCXO) up to its operating temperature. The amount of time until the oscillator frequency stabilizes depends on the temperature of the environment.



Set this unit's POWER switch to OFF when you do not plan to use it for an extended amount of time.

C Power inlet (~IN)

Connect the included AC power cord to this AC inlet. After completing all other connections, plug the power plug into a power outlet.

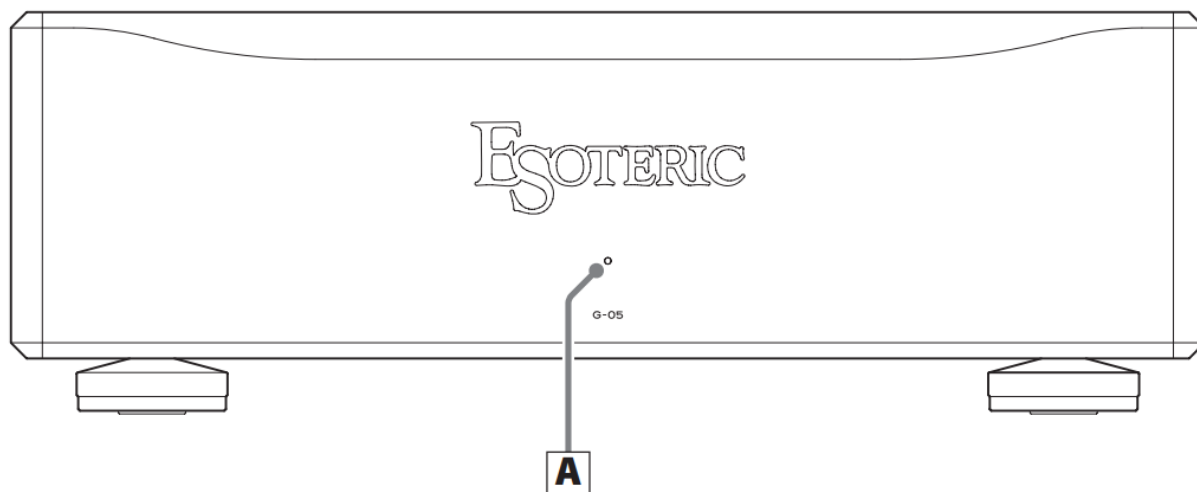


Use only a genuine ESOTERIC power cord. Use of other power cords could result in fire or electric shock.



Disconnect the power plug from the outlet if you will not use the unit for a long time.

Names and functions of parts

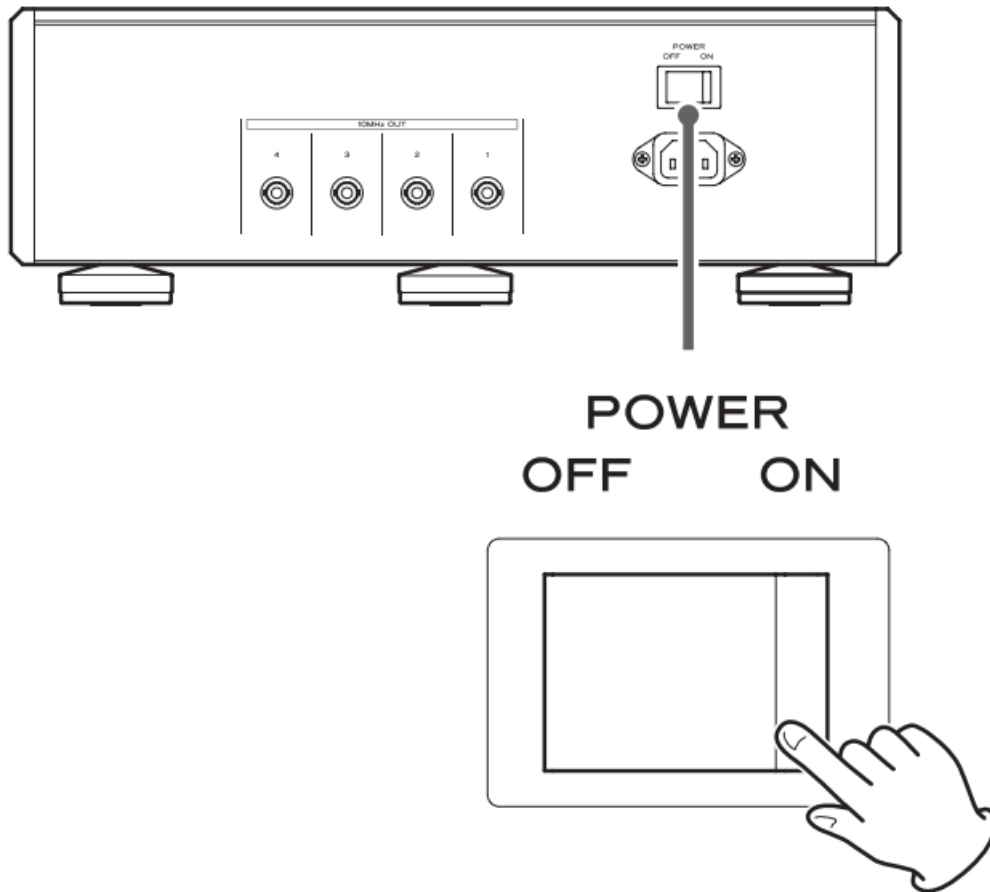


A Power indicator

This blinks or lights continuously when the unit is on, showing the clock status.
This blinks when warming up. It stops blinking and stays lit when output stabilizes.

Basic operation

1. Set the unit's POWER switch to ON to turn it on.



2. Start playback on the connected device after the power indicator lights

- We recommend waiting until the oscillator stabilizes after the power is turned on.

Troubleshooting

If you experience a problem with this product, please take a moment to review the following information before requesting service. If this product still does not operate correctly, contact the retailer where you purchased it.

The unit does not turn on.

- ⇒ Check that the power cord is plugged into a working power outlet.
- ⇒ Check that the power cord is properly connected to this unit.

The clock output is not synchronizing another device.

- ⇒ Confirm that the connected device supports 0.5Vrms 10MHz clock. Since clock signals that can be synchronized depend on how each device is connected and set, refer to the operation manuals of each device.

The power indicator never stops blinking or starts blinking rapidly

- ⇒ Contact the retailer where you purchased the unit.

Maintenance

Use a soft dry cloth to wipe the surface of the unit clean. For stubborn smudges, use a damp cloth that has been thoroughly wrung out to remove excess moisture.

- Never spray liquid directly on this unit.
- Do not wipe with chemical cleaning cloths, thinner or other chemical agents. Doing so could damage the surface.
- Avoid allowing rubber or plastic materials to touch the unit for long periods of time because they could damage the cabinet.



For safety, disconnect the power plug from the outlet before cleaning.

Specifications

Clock outputs

Output frequency. 10 MHz
 Frequency precision. within ± 0.01 ppm (when shipped new)
 BNC connectors. 4
 Output level. sine wave, 0.5 ± 0.1 Vrms/50 Ω

General

Power supply

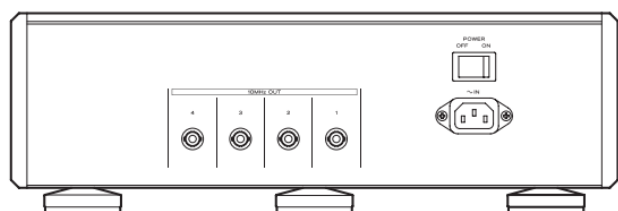
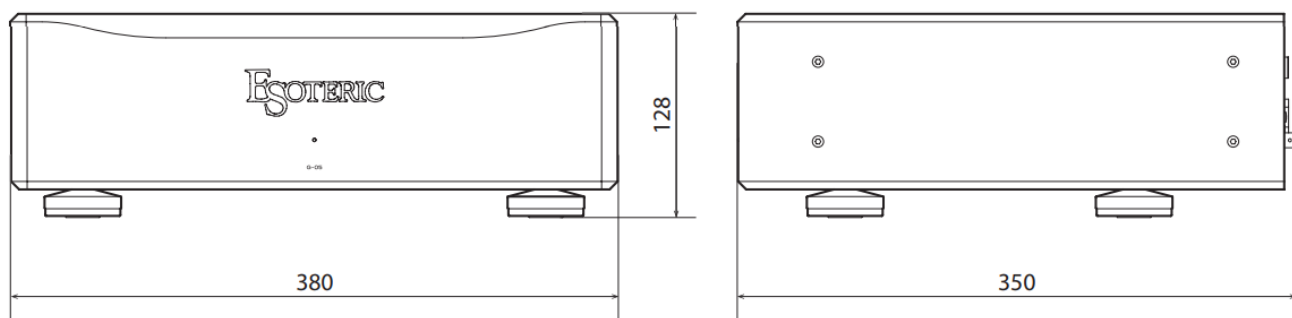
Model for Europe. AC 220–240 V, 50/60 Hz
 Model for USA/Canada. AC 120 V, 60 Hz
 Power consumption. 10 W (when stable) External dimensions (W \times H \times D, including protrusions) 380 \times 128 \times 350 mm (15" \times 5 1/8" \times 13 7/8")
 Weight. 10 kg (22 1/8 lb)
 Operating temperature range. +5°C to +35°C

Included accessories

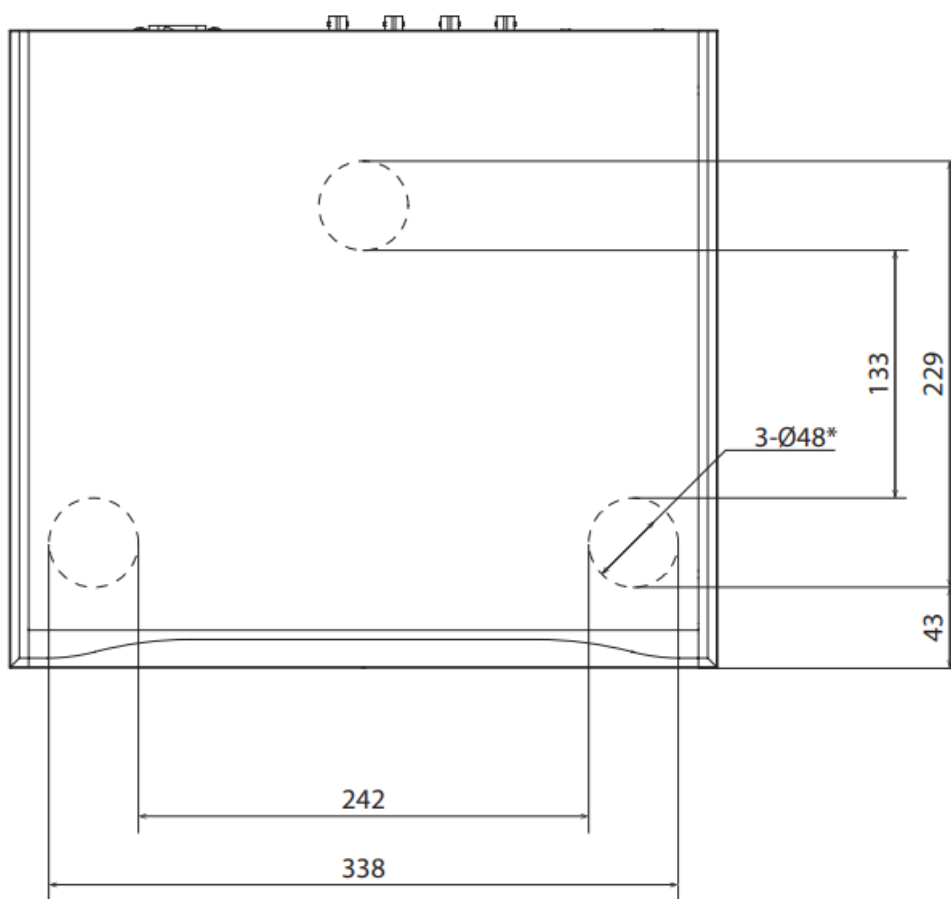
Power cord \times 1
 Felt pads \times 3
 Owner's manual (this document) \times 1
 Warranty card \times 1

- Design and specifications are subject to change without notice.
- Weight and dimensions are approximate.
- Illustrations in this Owner's Manual might differ slightly from production models.

Dimensional drawings



Foot placement diagram



Dimensions in millimeters (mm) *48mm diameter feet × 3

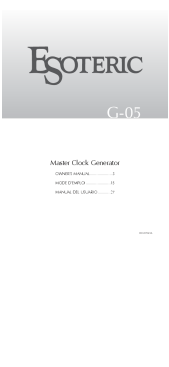
ESOTERIC COMPANY

1-47 Ochiai, Tama-shi, Tokyo 206-8530, Japan Phone: +81-42-356-9156

This product has a serial number located on the rear panel. Please write it here and retain this for your records.
Model name: G-05 Serial number



Documents / Resources

	<p>ESOTERIC G-05 Master Clock Generator [pdf] Owner's Manual D01417921A, G-05, G-05 Master Clock Generator, Master Clock Generator, Clock Generator, Generator</p>
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References

-  [Reach Out - 11 Trading Company](#)