

THANK YOU!

Congratulations on your purchase of the Shunyata Research GEMINI. Shunyata Research power products are used by many of the finest recording studios, mastering engineers, recording artists and electronics manufacturers worldwide.

Chances are that some of the music you listen to and the equipment that you own was produced using the Shunyata Research products as part of the reference system or mastering system.

Thank you for choosing us to be a part of your system.


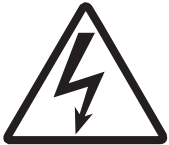
Caelin Gabriel

President

IMPORTANT SAFETY INFORMATION

WARNING: POTENTIALLY LETHAL VOLTAGES INSIDE!

THERE ARE NO USER-SERVICEABLE PARTS INSIDE. REFER ALL SERVICE TO SHUNYATA RESEARCH SERVICE DEPARTMENT (or an Authorized Distributor).

	WARNING Risk of electric shock. DO NOT OPEN.	
To reduce the risk of electric shock do not remove cover or back. Non-user serviceable parts inside. Refer servicing to qualified service personnel.		

CHECK VOLTAGE RATING

Verify the maximum voltage rating listed on the side of the box and on the unit before applying power.

WATER

This unit is NOT water proof. DO NOT submerge unit in water or any other fluid. DO NOT operate unit in an environment of water condensation. DO NOT operate unit with standing water on the floor.

INPUT POWER REQUIREMENTS

This unit requires a properly installed AC Mains power connection. Ensure that the AC polarity is correct and that a safety ground is present. Do NOT operate this unit with a cable that has the ground pin disconnected. Do NOT operate this unit with a cheater plug that disables the safety ground connection. ONLY operate this unit with an AC outlet that has a safety ground properly connected.

CRYOGENIC TREATMENTS & BURN-IN DEVICES

This unit has been treated with KPIP™, a proprietary process developed by Shunyata Research. DO NOT connect this unit to a burn-in device, as doing so will degrade performance and sound quality.

DO NOT cryogenically treat Shunyata Research products. Cryogenic treatment will damage plastic connectors and degrade insulation, shortening the life of the product. **CRYOGENIC TREATMENTS WILL VOID YOUR WARRANTY.**

READ ALL WARNINGS *and* INSTRUCTIONS BEFORE OPERATING THIS UNIT

UNPACKING

KEEP PACKING MATERIALS

Keep all the packing materials. If you need to ship the unit, you must use the original boxes and protective inserts. Shipping without the original materials will void the warranty and you may not be entitled to claim shipping insurance losses if the unit was improperly packed!

If your packing materials are missing or damaged, contact Shunyata Research Customer Service for replacements.

DO NOT plug in the unit until you have read the complete instructions!

WHAT'S IN THE BOX

- GEMINI Model-4, GEMINI Model-8, or GEMINI Model-7 EU
- Certified Warranty Card

PRODUCT INFORMATION

The GEMINI is a unique product that is actually two devices in a single chassis. It includes a high-performance power conditioner utilizing Shunyata Research's patented technologies and it includes an advanced grounding hub. It features an internal, patented, NIC™ noise isolation chamber technology that provides a common grounding point for all components in the system and extends GEMINI's noise reduction capabilities to components external to the unit. This significantly reduces AC ground voltage differences between component chassis and may help to reduce potential ground loops.

The GEMINI was designed specifically for headphone systems or for small compact audio systems.

TECHNOLOGY and FEATURES

DTCD® DESIGNED (*Dynamic Transient Current Delivery*)

The GEMINI was designed using Shunyata Research's DTCD® analyzer. DTCD® Analysis measures instantaneous current through extremely low-impedance electrical conductors and contacts. Shunyata Research uses it to optimize the design and performance of our power conditioners and power cabling.

CCI™ NOISE REDUCTION

Traditional power conditioners are designed to block incoming noise from outside the home but do not address the noise that is generated by the electronic components themselves. In fact, most conditioners reflect noise back into other components connected to the power conditioner. CCI™ (*Component-to-Component Interference*) is one of the most significant but often overlooked aspects to power system performance. The CCI™ filter consists of a proprietary multi-stage filter that reduces electrical noise and power supply generated interference.

NIC™ NOISE REDUCTION

The NIC™ (*Noise Isolation Chamber*) is a patented Shunyata Research device that reduces high frequency power line noise. It employs a ferroelectric substance that actually absorbs high-frequency noise without any of the reactive negatives associated with transformers and large capacitors as used in conventional power conditioners.

~ NIC™ Patent US 8,658,892 ~

ZONES OF ISOLATION

The GEMINI features two isolation zones which allow the separation of components by type. For instance, analog components may be separated from digital components, or front-end components separated from amplifiers. The GEMINI is configured in such a way that each duplex is individually isolated. This design allows for significant reduction of CCI™ regardless of system configuration.

ArNi® CONDUCTORS

Shunyata Research has developed a proprietary line of ArNi® conductors. They are made with certified OFE C10100 (*Certified ASTM F68*) copper. The wire strands are arrayed in a proprietary "hollow tube" VTX™ geometry, which reduces skin effects. ArNi® conductors are then treated with Shunyata Research's exclusive *Kinetic Phase Inversion Process (KPIP™)* for a period of 4 days.

HIGH CURRENT CAPABILITY

The GEMINI series power distributors have high continuous current ratings, ensuring unfettered power delivery to entire systems, including high-powered amplifiers. Advanced electromagnetic breakers combined with large-gauge ArNi® wiring maximize dynamic contrast and bass impact.

HYDRAULIC ELECTROMAGNETIC BREAKER

Common power conditioners use fuses or thermal breakers for over-current protection. When heavily loaded, those devices cause voltage drops, increased contact impedance, thermal noise, excessive heat generation, and current-limiting effects. The GEMINI uses a more advanced solution called a *hydraulic electromagnetic breaker* that can operate right up to the maximum current rating without the limitations of fuses or thermal breakers.

HIGH-QUALITY OUTLETS

The GEMINI uses premium outlets that use a triple-wipe contact system and have broad contact areas to grip a plug from three different sides, providing superior electrical integrity. Outlets feature a solid brass back-strap that ensures a reliable ground connection that may reduce noise and hum. The European model GEMINI includes mains sockets that feature copper alloy contacts designed to accept large-gauge conductors.

VIBRATION MANAGEMENT

Mechanical vibration can be very destructive to system performance. The GEMINI was designed from its inception to include advanced forms of vibration control that improve the recovery of subtle musical detail and nuance. All chassis panels and internal structures are treated with vibration-damping panels. All internal modules, filters, and electronics are encapsulated in a vibration-absorbent compound.

VIBRATION-DAMPING FOOTER

The GEMINI comes standard with Shunyata Research’s vibration-damping footers. Power distributors react very similarly to amplifiers in relationship to floor-borne vibration. Shunyata Research’s footers were specifically designed to reduce vibration from the supporting platform.

KPIP™ “BLACKBIRD” PROCESSOR

Each GEMINI is treated with Shunyata Research’s proprietary *Kinetic Phase Inversion Process* (KPIP™). The KPIP™ dramatically reduces burn-in time and significantly improves sonic performance.

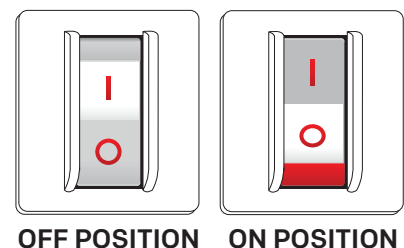
CRYOGENIC COMPONENTS

Many of the electrical components in the GEMINI are treated in Shunyata Research’s own advanced *computer-controlled* cryogenics lab. Further cryogenic treatment of the unit is strongly discouraged, and will void your warranty.

CONNECTIONS AND POWER UP

THE ELECTROMAGNETIC BREAKER

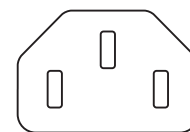
This is NOT a master ON/OFF switch. The breaker is designed to protect the unit and the components in the event of an over-current event. You should NOT use it to turn your system ON and OFF.



Model-4

Power Cord

This device requires an IEC C15 terminated power cord that is rated to deliver 15-Amps of continuous current.

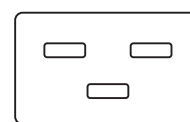


**IEC C15
(Model-4)**

Model-8/Model-7 EU

Power Cord

The Model-8 requires an IEC C19 terminated power cord that is rated to deliver 20-Amps of continuous current.



**IEC C19
(Model-8/Model-7 EU)**

POWER UP SEQUENCE

- 1 Put the breaker in the OFF position
- 2 Plug the power cord into the unit's inlet
- 3 Ensure all electronic components are in the OFF position
- 4 Plug each component into an available outlet
- 5 Put the breaker in the ON position
- 6 Turn each of the components on

Wait approximately 5 seconds between each component.

POWER DOWN AND DISCONNECTION

WARNING: DO NOT PULL THE PLUG

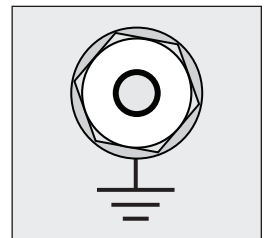
DO NOT ever pull the unit's power cord from the wall outlet while the system is operating. This unit carries very high currents and pulling the cord may cause a large arc that may damage the power cord contacts, the wall outlet and potentially the unit's inlet connector.

To remove the unit from the system, reverse the previous procedure.

- Turn OFF each connected component
- Turn the unit's electromagnetic breaker to the OFF position
- Unplug each of the power cords attached to the unit
- Unplug the unit's power cord from the wall outlet

CHASSIS GROUNDING SYSTEM

The GEMINI includes CGS grounding terminals that provide central grounding points for electronic components in the system. Connecting component chassis to a common ground point may eliminate system hum caused by ground loops. These terminals may also be used to interconnect the chassis grounds of the power conditioners or to other ground hubs. *(Refer to the GEMINI Ground System Guide)*



PERFORMANCE OPTIMIZATION

OUTLET ZONES

The GEMINI features AC outlets that are divided into two isolation zones. This allows the user to separate disparate types of components from one another; for instance analog components from digital components.

SETTLING TIME

The GEMINI is constructed using massive wiring and heavy-duty contacts throughout. It is treated with Shunyata Research's exclusive KPIP™. This significantly reduces the amount of time required for *burn-in*. However, the unit will improve in performance over a period of time. Allow several days of continuous power, with a load, to achieve optimal performance. We recommend connecting a 100-watt lamp or a small fan to accelerate the settling period.

MOUNTING PLATFORMS

Ideally the GEMINI should be placed on a proper shelf, amp stand or solid platform. A heavy plank of hardwood or a granite slab also works well.

FOOTERS

The GEMINI includes Shunyata Research's isolation footer specifically designed to reduce vibration from the supporting platform. You may wish to experiment with other more expensive products. The footers may, optionally, be upgraded to SSF-38 stainless steel footers. After researching multiple forms of energy dissipation methods, Shunyata Research developed the SSF-38 to provide the performance characteristics of an expensive after-market isolator at a fraction of the cost.

AC WALL SOCKETS

It is strongly recommended that you replace the wall outlet with a high-quality commercial-grade unit. A standard wall outlet is usually not ideal for high current applications. There are many audiophile-grade outlets that may be plated with a variety of metals including silver, gold, rhodium and others. Our experience is that these do not provide significant improvement over a quality commercial-grade outlet. Shunyata Research strongly discourages the use of rhodium-plated outlets with its products. Shunyata Research recommends the Hubbell model 5362 outlet for best performance.

CONTACT ENHANCEMENT FLUIDS

Contact fluids, pastes and gels are NOT recommended for use with this device. Many of these types of products leave a residue that can contaminate or damage the contact metals over a period of time. The products labeled as silver-bearing grease or silver impregnated silicon are particularly harmful. Some of these are difficult or impossible to remove. Damage caused by these products will void your warranty! Never attempt to clean the contacts inside the outlets. If you wish to clean the external contacts, use CAIG DeoxIT® and DeoxIT® GOLD.

OTHER POWER COMPONENTS

Using Shunyata Research power distributors in series with other power distributors, conditioners or regenerators is strongly discouraged. Connecting power conditioners in series usually gives unpredictable or poor results. Conditioners and regenerators can be highly reactive and may degrade the DTCD® and the CCI™ advantages built into the GEMINI.

SPECIFICATIONS: MODEL-4

MAXIMUM VOLTAGE

- 90 - 125 VAC r.m.s. unregulated (US)
- 220 - 240 VAC r.m.s. unregulated (EU, AS)

CURRENT RATINGS

- Input current maximum (US): 15 A
- Input current maximum (EU): 16 A
- Peak instantaneous current @ 10 ms: >1000 A
- Output current max: 15 A

TRANSIENT SUPPRESSION

- Maximum transient pulse:
40,000 Amps @ 8/50 μ s

OVER-CURRENT PROTECTION

- Hydraulic electromagnetic breaker

WIRING SYSTEM

- 12 gauge ArNi[®] Conductors
- OFE C10100 copper
- Ratings: 600 VAC 105° C

NOISE SUPPRESSION

- Input to Output (100 kHz - 30 MHz):
> 40 dB reduction
- Zone to Zone (100 kHz - 30 MHz):
> 30 dB reduction

NOISE REDUCTION TECHNOLOGY

- NIC™ Noise Isolation Chambers (patented)
- Trident Transient Protection Module
- CCI™ v4 Noise Filters (3)
- KPIP™ Process

OUTLETS & CONNECTORS

- Input connector: IEC-C15R
- Outlets (US): 4 NEMA 5-15P
- Outlets (EU): 4 CEE 7/3

VIBRATION CONTROL

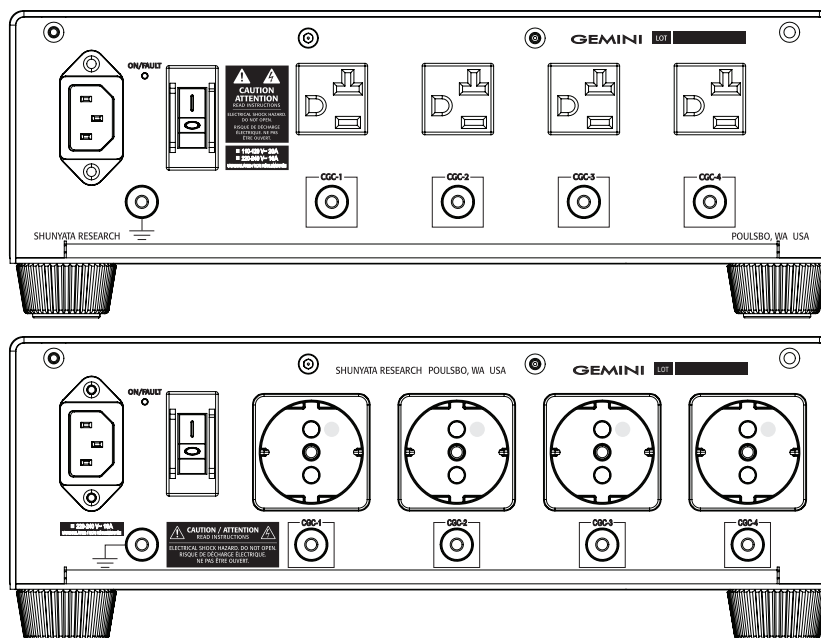
- Vibration-damping panels (internal)
- Shunyata Isolation Footer

CONSTRUCTION

- Powder coated steel chassis — 16 gauge
- Anodized aluminum faceplate

DIMENSIONS

- Width: 12.25 inches (31.12 cm)
- Depth: 5.88 inches (14.95 cm)
- Height: 4.77 inches (12.12 cm)
- Weight: 6.6 lbs (2.99 kg)



SPECIFICATIONS: MODEL-8 US/MODEL-7 EU

MAXIMUM VOLTAGE

- 90 - 125 VAC r.m.s. unregulated (US)
- 220 - 240 VAC r.m.s. unregulated (AS, EU)

CURRENT RATINGS

- Input current maximum (US): 20 A
- Peak instantaneous current @ 10 ms: >1000 A
- Output current max: 20 A (US), 16 A (EU)

TRANSIENT SUPPRESSION

- Maximum transient pulse:
40,000 Amps @ 8/50 µs

OVER-CURRENT PROTECTION

- Hydraulic electromagnetic breaker

WIRING SYSTEM

- 12 gauge ArNi[®] Conductors
- OFE C10100 copper
- Ratings: 600 VAC 105° C

NOISE SUPPRESSION

- Input to Output (100 kHz - 30 MHz):
> 40 dB reduction
- Zone to Zone (100 kHz - 30 MHz):
> 30 dB reduction

NOISE REDUCTION TECHNOLOGY

- NIC™ Noise Isolation Chambers (patented)
- Trident Transient Protection Module
- CCI™ v4 Noise Filters (3)
- KPIP™ Process

OUTLETS & CONNECTORS

- Input connector: IEC-C19R
- Outlets (US): 8 NEMA 5-15P, (EU): 7CEE7/3

VIBRATION CONTROL

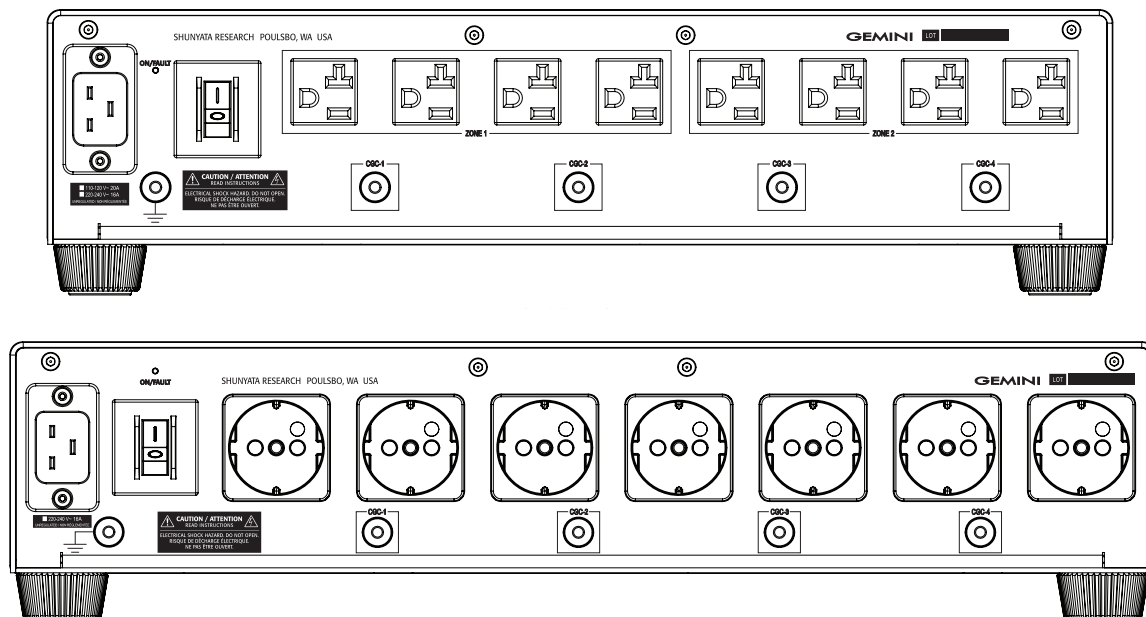
- Vibration-damping panels (internal)
- Shunyata Isolation Footer

CONSTRUCTION

- Powder coated steel chassis — 16 gauge
- Anodized aluminum faceplate

DIMENSIONS:

- Width (US): 17 inches (43.18 cm)
- (EU): 18.5 inches (46.99 cm)
- Depth: 6.13 inches (15.57 cm)
- Height: 4.58 inches (11.63 cm)
- Weight: 9.8 lbs (4.45 kg)



ASSURANCES

RELIABILITY

Over more than two decades, the reliability and durability of Shunyata Research products have become legendary attributes of the brand. Shunyata products are completely non-reactive and run cool to the touch. They do not hum, vibrate, buzz, or generate heat and do not require any ventilation. Despite heavy-use applications in studios, medical labs, and home environments, Shunyata Research products maintain an almost zero failure rate.

QUALITY

In an era of products that are mass-produced, Shunyata Research invests in training career craftsman who build our products by hand at our factory in Poulsbo, Washington. The exceptional fit, finish, and attention to detail has become a hallmark trait of Shunyata Research products going back to its inception in 1998. Shunyata Research has been building some of the finest power and cable products in the industry for more than twenty years. The commitment to building durable products that are designed to last a lifetime elevates our products to the top of their class.

SAFETY

Safety and quality control is *job one* at Shunyata Research. Before anything leaves the factory, we test each and every product thoroughly and carefully for safety and quality. This explains the long-term success of Shunyata Research products in the professional recording, medical, scientific, and consumer industries. Shunyata Research's impeccable product safety and reliability track record for the past 23 years speaks for itself.



LIMITED LIFETIME WARRANTY

The unparalleled craftsmanship and build quality of Shunyata Research products is backed by a limited lifetime warranty. This demonstrates our commitment to building the finest products on the planet and providing exceptional customer support.

— VALID ONLY IN THE US AND CANADA —

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