

ACTIVE BLOCK



SYNERGISTIC RESEARCH

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Instructions for use: Active Ground Block

The New Active Ground Block takes the award winning UEF Ground Filter from our original SR Ground Block and adds an active ULF Field Generator, and on the SE model, a dedicated Active EM Cell as found in SR PowerCell line conditioners to supercharge the performance of every component in your system including Synergistic Research cables equipped with external grounding technology. Benefits include a noticeable increase in deep bass power and weight, a more holographic soundfield, smoother high frequencies with greater extension and 'air', a more present and layered mid-range, increased tonal density with an apparent increase in resolution; it's like going from a standard resolution Redbook file to Double DSD, the improvement is that dramatic. Nearly every aspect of system performance is transformed over the original; in fact the difference between the new Active Ground Block and our original SR Ground Block is greater than the difference between the original Ground Block and no ground filter at all!

How it works: It all starts with 44 Star Ground Points to reduce component to component ground inductance. That's 44 ground connections to the original's 18. You can ground your entire system including all components, a full loom of SR cable shields, and even equipment racks, computer hard drives, absolutely everything in your system can be grounded to one SR Active Ground Block. Filtration is handled by a UEF Ground Filter that's 3 times the size of the original's UEF Ground Filter and this translates into 3 times the performance on the passive ground filter alone. To this we add an Active ULF Field generator as found in our PowerCell 12 UEF which re-clocks high frequency ground noise to the Earth's Schumann resonance as well as noise generated inside connected components at the circuit level, so each connected component's performance is fundamentally transformed at the source. And the Active Ground Filter is the only ground filter in the world to use such a filter mechanism for performance unlike anything you've ever experienced. Stepping up to the Active Ground Block SE replaces the standard model's passive Quantum Black Power Cord with a specially modified Atmosphere Level 2 Active power cord equipped with Galileo UEF Quantum Gold and Silver Filters that give you two distinctive sonic options to the overall sound of your system. With the included Galileo UEF filters you perfectly tailor the sound of the Active Ground Block SE to match your system, or leave the Galileo UEF Filters disconnected, the choice is yours. Lastly the SE version has an Active EM Cell similar to the EM Cells found in our PowerCell 8 power conditioners to actively remove noise from ground for even blacker backgrounds, with improved dynamics, and finesse.

Please read this entire instruction manual.

Carefully note the suggestions made on the "Care and Maintenance Information" page as well as the "Important Safety Information" page. Keep this manual in your files or with the original packaging materials so that you have it available for future references.

■ **Unpacking:** Please use the following steps when unpacking your Synergistic Research Active Ground Block.

Remember: this unit can be scratched or marred.

The following guidelines and steps should ensure the highest care for your Active Ground Block

1. Cut the tape sealing the Active Ground Block box, being careful and attentive not to cut too deep.
2. Save the box and its packing materials for future movement of your Active Ground Block.

Set up and Placement:

- • Locate your Synergistic Active Ground Block on an audio rack shelf, isolated amp stand or on the floor in close proximity to the components.
- The lower shelves of your rack are generally preferred.
- Make sure that the AC power cable connecting your Synergistic Active Ground Block is not stretched so far as to put strain on the Active Ground Block connections or the component itself.
- If additional ground wires or extension ground wires are needed, please contact your Synergistic Research dealer.

Power Up:

- Only use the supplied Power Cable with your Active Ground Block via the 15 amp IEC connector.

▲ **CAUTION:** Never disconnect the power cable connector from the Active Ground Block while the Power Cable is plugged into the wall.

- Plug the SR Power Cable directly into the wall. The lit Blue LED on the opposite side of the power inlet indicates that the unit is ON.

Important Safety Information



- WARNING – Power Source**
Never plug this Synergistic Research Active Ground Block into a power outlet that differs from the source indicated for safe use on the Active Ground Block unit. If you don't know the type of electrical power that is supplied, consult your local power company or a qualified electrician.
- WARNING – Grounding and Polarization**
Do not force your Synergistic Research Active Ground Block into an outlet that is not designed to accept grounded AC plugs. The plug is to be inserted into a grounded type outlet only. If this plug doesn't fit directly inside your outlet, do not attempt to force it into the outlet. Never attempt to dismantle or alter the plug or power cord in any way. If you have any questions about grounding, consult your local power company or a qualified electrician.
- WARNING – Proper Grounding**
Your Synergistic Research Active Ground Block requires properly grounded outlet for best performance and most importantly, for safety. If you are not sure if the electrical wiring is properly grounded, have it checked by a qualified electrician before making any connections to the Active Ground Block.
- WARNING – Liquid & Avoiding Electrical Shocks**
Do not operate the Synergistic Research Active Ground Block if any kind of liquid has been splashed or spilled near or onto it. Do not operate the Active Ground Block near rain or other liquids spilled or contained (e.g., bathtub, kitchen or sink).
- WARNING – Power Cord Safety**
When routing the power cables connected to your Synergistic Research Active Ground Block, do not place them near heavy foot traffic areas (e.g., hallways, doorways etc.). If your power cord's protective jacket begins to rip or fray, exposing the internal wiring, shielding, etc.—disconnect it from your power source, discontinue use, and contact us for an RMA.
- WARNING – Storm Precautions**
In the event of a lightning storm

 1. TURN OFF ALL components attached to the Synergistic Research Active Ground Block.
 2. Disconnect your Synergistic Research Active Ground Block from the wall.
 3. Do not reconnect the Active Ground Block until the storm is well passed.

Remember: If you can hear thunder, lightning and its potentially destructive effects are nearby.
- WARNING – No User-serviceable Parts Inside**
Never attempt to open your Synergistic Research Active Ground Block. This unit is factory-sealed and cannot be opened. There are no user-serviceable parts inside.
- CAUTION – Exposure To Heat**
Do not expose your Synergistic Research Active Ground Block to direct sunlight or place it near wall heaters, space heaters, or any enclosed space prone to high temperature or temperature increase.
- CAUTION – Proper Cleaning**
Please follow these guidelines and practices to ensure the best day-to-day care for your new Active Ground Block.

 1. Never place objects of any kind on top your Synergistic Research Active Ground Block.
 2. Clean the Active Ground Block of dust and lint with a lint free polishing cloth.
 3. Never use ammonia-based glass cleaners, such as Windex.
 4. Never use paper towels or any paper product to clean or polish your Active Ground Block.
 5. Always use a soft cloth, such as a microfiber or automotive polishing terry cloth, to refresh the look of your Synergistic Research Active Ground Block.
- CAUTION – Handle with care! Do not Drop!**
Your Synergistic Research Active Ground Block is a sturdy design, but can be damaged if dropped. Please Handle With Care!
- CAUTION – Moving or Shipping**
Keep and store the original packaging in a clean, cool, dry place. The original packaging is the most suitable and appropriate when moving or shipping your Synergistic Research Active Ground Block.

If you have any questions regarding your Active Ground Block, please contact Synergistic Research directly at (949) 476-0000 or service3@synergisticresearch.com

Active Ground Block specifications:

Construction: Aircraft Aluminum
Dimensions: Height 3" x Width 10.75" x Depth 6"
Weight: 5.5 lbs.
Internal Active UEF
Connector Input: 1 each 15 amp IEC
99.995% Pure Silver Ground Strap: 52 square centimeters
SR Quantum Capacitor
Point-to-point wiring
Silver Solder 4%
Hand Built Time: 2.5 hours
Quantum Tunneling: Standard Level 2
5 Day Burn In: 2 Step Process
44 each 2mm ground ports

Voltage and Current Rating:

Input rating US: 15amp/125v
Input Rating International (EU/AU/UK): 16amp/250v

Available connections for other SR products with SR Ground Plane Technology:
Synergistic Research Cables
Synergistic Research Atmosphere: Acoustic Wave Generator
Synergistic Research Tranquility Base Products
Optional High-Def connectivity ground cables are available for the following applications:
Turntables: Connect to Ground Plug on Turntable
Digital to Analog Converters (DACs): Connect to spare Digital Input, Output or Chassis Ground
Pre-Amplifiers: Connect to spare Analog Input, Output or Chassis Ground
Power Amplifiers: Connect to spare Analog Input, Output or Chassis Ground.
Any Component with an active circuit inside: Connect to spare Input, Output or Chassis Ground

44 ports to perfection.

