

FEQ CARBON



SYNERGISTIC RESEARCH

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INSTRUCTIONS FOR USE

FEQ CARBON

Congratulations on your purchase of the most innovative, performance-driven audio enhancement device in the world!

Imagine listening to Charlie Parker at Birdland, then walk into Carnegie Hall and getting seated in the best seats in the house. This is possible when you add FEQ Carbon to your listening room. No other technology allows you to tailor the size and scale of your soundstage with stunning realism, to portray the music and venue you are experiencing accurately. The Synergistic Research FEQ Carbon is a third-generation, two-channel acoustic field generator. New to the FEQ Carbon is a wholly redesigned PCB with dual RF generators. The first function of the redesign was to provide the ability to create different wave shapes, and the second was the addition of a 2nd, independently controlled ULF generator channel. This is similar to what has been used in the SR FEQ Carbon Infinity but is the first FEQ to have this ability, which meant 100's of hours in the listening room finding the perfect combination of options and settings. Next was the new carbon fiber chassis. Not only cosmetically beautiful, but the carbon fibre chassis also improves the broadcast of ULF frequencies through its conductive weave. As a result, layering, three-dimensionality, and holographic realism are much improved over all single frequency FEQ's of the past decade. In some aspects, the FEQ Carbon even outperforms the much larger and more complex Synergistic Research FEQ Carbon Infinity as we have isolated two different frequency combinations that represent a near-perfect yin and yang with focus and clarity on acoustic recordings and a more holographic soundstage on recordings mastered to convey a large and enveloping sound field.

How does it work?

We've all experienced this before, one day our systems sound very good and, the next day they don't or late at night our systems seem to sound better than they did during the day. Synergistic Research has quantified why this happens and in so doing we have learned how to not only always have a good sounding day in our listening rooms, but also how we can control the sound of our systems using the same factors that degrades sound

Synergistic Research ULF technology cleans up frequency noise that occurs outside of our audible hearing range that would otherwise distort harmonic structure within the music signal. With this advancement the noise floor drops allowing for higher resolution, refinement and a significant increase in soundstage air with improved mid-range clarity and low frequency control within a more holographic presentation. This phenomenon occurs completely outside of the signal path. In fact, absolutely nothing is added in the signal path: FEQ Carbon performs completely independent from your audio system.

Your FEQ Carbon is ready and prepared for "plug & play" application. Only 48 hours is necessary for its performance to settle in fully and for you to receive the optimum listening experience.

With proper care your FEQ Carbon will provide years of superior performance for you and your family.

Please read the 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 quick future reference.

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

Important Safety Information

Important Safety Information

WARNING – Power Source

Never plug your Synergistic Research FEQ Carbon into a power outlet that differs from the source indicated for safe use on the 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 FEQ Carbon power supply or Ground Plane plug into an outlet that is not designed to accept grounded AC plugs. The FEQ Carbon power supply 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 supply in any way. If you have any questions about grounding, consult your local power company or a qualified electrician.

WARNING – Liquid: Avoiding Electrical Shocks

Do not operate the Synergistic Research FEQ Carbon if any kind of liquid has been splashed or spilled near or onto it. Do not operate the Synergistic Research FEQ Carbon near rain or other liquids spilled or contained (e.g., bathtub, kitchen or sink).

WARNING – USB and Ground Plane Cable Safety

When routing the USB and Ground Plane cables connected to your Synergistic Research FEQ Carbon do not place them near heavy foot traffic areas (e.g., hallways, doorways etc.). If either of your cable's protective jackets begins to rip or fray, exposing the internal wiring, shielding, etc., disconnect it from your power source and discontinue its use.

WARNING – Storm Precautions

In the event of a lightning storm

1. TURN OFF ALL of your components attached to the Synergistic Research FEQ Carbon.
2. Disconnect your Synergistic Research FEQ Carbon Ground Plane from the wall.
3. Disconnect the FEQ Carbon's power supply from the wall.
4. Do not reconnect the FEQ Carbon 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 FEQ Carbon. This unit is factory sealed and cannot be opened. There are no user serviceable parts inside. In the unlikely event of need for repair, please contact Synergistic Research for assistance at (949) 476-0000 or email at service3@synergisticresearch.com
- d 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 FEQ Carbon.

Care & Maintenance Information

Care and Maintenance Information

CAUTION – Exposure To Temperature

Do not expose your Synergistic Research FEQ Carbon to continued temperatures below 38F or above 100F, or place it near wall heaters, space heaters, or any enclosed space prone to high temperature or temperature increase.

CAUTION – Proper Cleaning

1. Never place objects of any kind other than ATMs on top your Synergistic Research FEQ Carbon.
2. Only clean the FEQ Carbon of dust and lint with a soft, clean, dry 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 FEQ Carbon.
5. Always use a soft polishing cotton cloth, such as a diaper or automotive polishing terry cloth, to refresh the look of your Synergistic Research FEQ Carbon.

CAUTION – Handle with care! Do not Drop!

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 to use when moving or shipping your Synergistic Research FEQ Carbon.

Operating Instructions

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Unpacking:

Inside the Accessory Foam you will find the following:

- (A) 3 Stainless Steel Spikes for bottom plate (FEQ Carbon Infinity only).
- (B) 1 power supply
- (C) 1 USB power cable
- (D) 1 Ground Plane Wire
- (E) Optional space for ATM

Save the box and its packing materials for future movement of your Synergistic PowerCell.

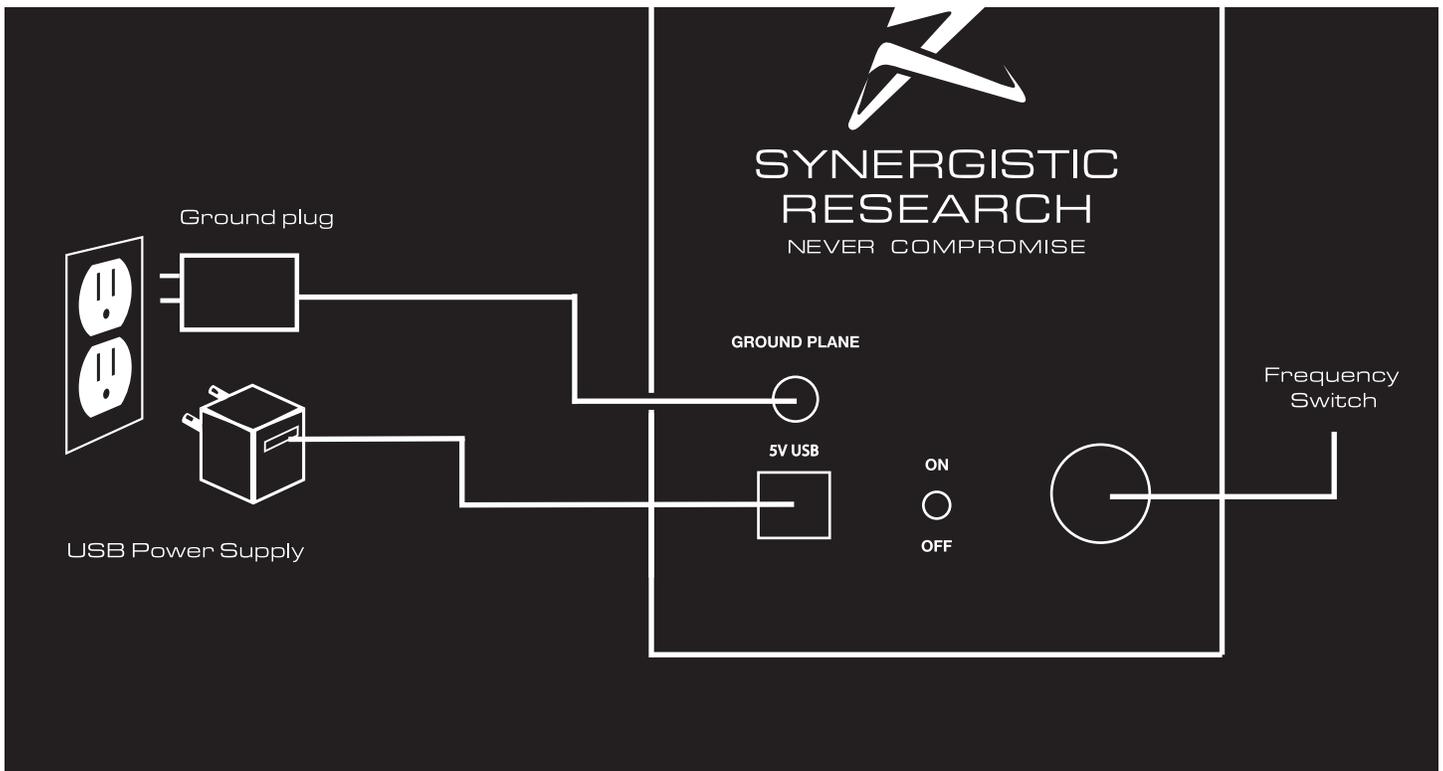
Placement

- Locate your Synergistic FEQ Carbon on the center of the front wall between the speakers. If center is unavailable, experiment on off-center locations, however, the first optional ATM should be located directly center.
- Make sure that no AC power cables leading to or coming from your Synergistic FEQ Carbon stretch so far as to put strain on the FEQ Carbon connections or the component itself.

Operating Instructions

Power Up

1. Connect FEQ Carbon to the supplied USB cable and Power Supply or a Synergistic Research UEF Linear Power Supply (sold separately).
2. Make sure the power switch on the FEQ Carbon is in the down or OFF position.
3. Plug the power supply into the wall in the correct polarity and switch the unit ON.
4. In order to achieve the highest level of performance, your Synergistic FEQ Carbon can be left ON all the time from the moment you plug it into an AC power source.
5. Plug the “Ground Plane Wire” into the unit and into the wall or a Synergistic Research ground device (sold separately).



Proper Polarity

To ensure proper polarity for your FEQ Carbon, please follow these guidelines:

- On a standard US version wall socket, there is a label that says “This side up”. This label should be away from the ground pin on the wall outlet.
- If you are ever in question about the FEQ Carbon set up or placement, please call us for assistance at (949)-476-0000 or email at service3@synergisticresearch.com

ATM Carbon FEQ Carbon Tuning Module



The new ATM Carbon was explicitly voiced for the new FEQ Carbon with its breakthrough ULF frequency combinations. Still, it is also a significant improvement over RED and GREEN ATMs when used with Atmosphere Acoustic Field Generators. When you place ATM Carbon atop FEQ Carbon, you create a more natural holographic scale with a lower perceived noise floor for effortless sound where vocals and instruments take on lifelike timbre. In addition, frequency extension improves from bottom to top, where high frequencies seem to decay into a much larger space, and bass notes are better controlled and more impactful. Think of ATM Carbon as a turbo charger for the new FEQ Carbon. Available with a no-risk 30-day money-back guarantee so you can confirm performance before making a final decision. (sold separately).



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