

QUASAR

USER MANUAL



Thank You for Purchasing the Rawrawk Quasar Speaker!

“We hope this speaker brings you as much joy as it brought us - minus the glue on our hands, the ‘oops’ moments, and that one time we thought we invented a new musical genre by accident!”



"A **quasar** is one of the brightest objects in the universe, powered by a super-massive black hole. It shines brilliantly, even from the farthest reaches of space, outshining entire galaxies. In much the same way, the **Rawrawk Quasar speaker** was designed to stand out on every stage, captivating every audience with its brilliance."

Crafting something truly unique and exceptional is no easy feat, but we believe we've achieved just that with the Rawrawk Quasar.

Much like its namesake, the **Quasar speaker** doesn't just sound exceptional - it's designed to *shine*. From its cutting-edge engineering to its refined, aesthetic design, this speaker will elevate any studio or stage with elegance, class, and style. It's not just about performance, though that's at the heart of it. The Rawrawk Quasar is also a statement piece - delivering sound that's as powerful as its presence.

Get ready to let your music **radiate** across the room, fill the space with pure energy, and unleash the full potential of your sound. Thank you for joining us on this journey — welcome to the Rawrawk experience.

Using Your Quasar

Tips for Rock Solid Performance

Congratulations on your new **Rawrawk Quasar**! It's time to make some noise. Before you unleash the power of your guitar through this finely tuned cabinet, here are a few tips and safety precautions to ensure the best experience and longevity of your gear.

1. Always Connect Before You Power Up

Before switching on your amplifier, **always** ensure that your Quasar is properly connected. Using a high-quality speaker cable, connect it from your amp's output to the input of your Quasar. Only once everything is securely plugged in should you turn on your amplifier. *Never power up your amp without a speaker connected*—this can damage your amp and void its warranty faster than you can play a power chord!

2. Handling the Neutrik Speakon® Connector

Your Quasar cabinet is equipped with a professional-grade *Neutrik Speakon® combo connector*, which offers versatility by accepting both standard speaker cables with a 1/4" jack and specialized *SpeakON® Loudspeaker connectors*. This gives you flexibility when connecting your amp, whether you're using traditional cables or more robust Neutrik connectors. Ensure the connector is fully inserted and locked into place for a secure, reliable connection. To unplug, simply twist and pull gently—no excessive force needed. This design ensures your connections stay rock-solid throughout any performance.

3. Use the Right Cable

Always use a dedicated **speaker cable**, not an instrument or patch cable, to connect your amp to the Quasar. Speaker cables are designed to handle high power levels, while instrument cables are not and could cause signal loss or, worse, damage your equipment. The Quasar deserves the best, and so does your sound.

4. Volume Control and Power

As much as we love cranking the volume, we recommend starting at lower volume levels when powering on and gradually increasing to your desired output. This will protect both your speakers and your ears! Remember, the Quasar is built to handle some serious

sound, but it's always better to ease into those high-decibel moments.

5. Allow the Ports to Breathe

The Quasar's dual lateral ports help deliver that tight, focused low-end response. Make sure these ports aren't blocked by gear, cables, or stage props—give them some elbow room to let the air flow freely. Obstructions near the ports can choke your tone or muddy the low frequencies faster than you can say, "Soundcheck!"

6. Speaker Maintenance

Should you ever need to swap out or inspect the speaker, the *removable front grill* and *thumb screws* make it a hassle-free process. Just be sure to handle the speaker with care—avoid touching the cone directly, and ensure everything is reconnected properly before powering back up.

7. Protect Your Quasar

Your Quasar is ruggedly built, but taking care of it will ensure years of reliable performance. Avoid exposing the cabinet to extreme temperatures or moisture, as this can damage the wood and internal components. Also, keep it clean! Dust and debris can build up in the ports or on the speaker grill, so give it a wipe-down every now and then to keep it looking as sharp as it sounds.

8. Transporting Your Quasar

While the Quasar is designed to be lightweight, it's still important to transport it carefully. Use the *slim leather handle* for easy lifting, and if you're stacking it with your amp head, make sure everything is secure. And hey, don't be shy about showing it off wherever you go—this cabinet was made to turn heads on and off the stage.

9. Enjoy the Sound!

Lastly, enjoy the tone. The Quasar was crafted to bring out the best in your sound, so let loose, explore the tonal possibilities, and create music that truly rocks.

Quasar

Features that Rock

The **Rawrawk Quasar** isn't just a speaker cabinet; it's a testament to innovation, convenience, and pure rock 'n' roll attitude. Each feature has been carefully crafted with the modern guitarist in mind, combining practical engineering with sleek design. Let's break down what makes the Quasar a game changer:

1. Robust Yet Lightweight Construction

Crafted from premium *9mm Baltic birch plywood*, the Quasar strikes the perfect balance between durability and portability. Whether you're on the road or in the studio, this cabinet can take a beating without weighing you down—because who wants to arrive at a gig sweating from lugging an anchor? The slim, sturdy design means you get all the sound without the bulk, leaving you free to focus on melting faces, not your spine.

2. Engineered Bracing System

Incorporating principles from *vibration engineering*, the Quasar's internal bracing system increases the cabinet's rigidity without piling on extra weight. This also increases the cabinet's natural resonance frequencies, ensuring every power chord stays tight and clear. The bracing's geometry also disrupts wave paths inside, stopping standing waves from messing with your tone.

3. Dual Lateral Ports for Enhanced Low-End Response

Strategically positioned in the 80–120 Hz range, *two lateral ports* give the Quasar a focused bass punch. Enough rumble to rattle the crowd (in a good way), yet still tight and controlled—because we like shaking up the room, not muddying the mix.

4. Neutrik Speakon® Connector & Premium Speaker Cable

The Quasar's pro-grade combo connector accepts both 1/4" and SpeakON® plugs, so you never have to panic about cable compatibility. We've paired it with a 2×2.5 mm internal speaker cable for minimal signal loss and maximum clarity—because the only

crackle we want is from your tone, not your wiring.

5. Aluminium Logo

A laser-cut, satin-finished *aluminum logo* ensures Rawrawk style on the front lines. It's a subtle yet bold statement of our commitment to premium craftsmanship—like a classy badge of honor for your speaker cabinet.

6. Removable Front Grill

Swapping speakers or changing grill colors is a breeze with the *removable front grill*. No more wrestling with velcro or scrounging for screwdrivers; you can switch things up mid-practice and jump right back into the jam.

7. Slim Leather Handle with Amplifier Head Clearance

Why settle for any old handle when you can have one that's both stylish and smart? Our *sleek leather handle* saves room on top for your amp head, so no more wobbly stacking or near-heart attacks when gear starts to slide.

8. Laser-Engraved Back Panel

We etched our brand and key info directly into the back panel for a finish that won't fade or peel. It's a minor detail that sets the Quasar apart—and ensures it'll look as sharp as it sounds for years to come.

9. Stylish and Eye-Catching Design

We know aesthetics matter just as much as sound. The *Rawrawk Quasar* isn't just another black box—it's a visual statement. With its minimalistic finish and iconic logo, this cabinet will turn heads even before you strike the first chord. It's a head-turner for sure, but more importantly, it's built to rock.

Why Cabinet Design Matters

Our Science-Based Approach

At first glance, guitar speakers might seem suspiciously similar to hi-fi or PA speakers—just boxes making noise, right? But here’s the rub: hi-fi and PA systems strive for faithful, linear sound reproduction. Guitar speakers, on the other hand, are anything but linear. With every voltage spike from your amp and every percussive attack of the guitar strings, they dance to the beat of their own (non-linear) drum. Crank up the gain or distortion, and these waveforms get even more chaotic, magnifying that delicious non-linearity we guitarists cherish.

When talk turns to ported cabinet designs—common in hi-fi and PA systems for boosting low frequencies—some folks question whether those benefits translate well to guitar speakers. After all, if your speaker’s already surfing the waves of non-linearity, can carefully tuned ports really make a difference? Some manufacturers say “nope,” asserting that the wild nature of guitar speakers overrides the tidy physics of porting.

So, how does Rawrawk approach guitar cabinet design?

At Rawrawk, we see the cabinet as an essential character actor in your tonal play. We’re not after a perfectly flat frequency response—that’s more like a hi-fi unicorn. Instead, our goal is “relatively neutral,” giving you the freedom to pick your favourite speaker without the cabinet deciding to completely rewrite your tone. Because let’s face it, most guitarists love swapping speakers the way some people collect snack flavors—there’s always a new “secret sauce” to discover.

To make this happen, our cabinet design team spent quality time with wave-based digital geometric acoustics modeling (try saying that five times fast). We worked to reduce funky internal acoustic modes, so your sound doesn’t get lost in the labyrinth of standing waves. Then we borrowed a page from vibration engineer-

ing and devised a bracing system that’s rigid yet lightweight, raising the cabinet’s natural resonance frequency. Translation: you get punchy, lively response that doesn’t weigh as much as your cousin’s junk-filled van.

But we didn’t stop there. We incorporated two lateral ports specifically tuned to enhance response in the 80–100 Hz range—because extending the bass lower in a guitar cabinet is a bit like giving your cat a violin: sure, they could play it, but we don’t really recommend it. Guitar signals don’t do much down there, and you’d just end up fighting your bassist for frequency real estate. And trust us, your sound engineer will likely filter out those basement frequencies anyway, so why pay rent on them?

Finally, we chose 9mm Baltic birch plywood to keep things light and nimble. The thinner walls, combined with the dual port placement, help focus the sound and reduce that “shooting a sonic laser beam out the front” thing that many guitar cabs do. The result? Improved sound directivity and a reduced tendency to deafen the front row only.

In summary

Rawrawk set out to craft a cabinet that optimizes frequency response—taming peakiness, boosting clarity, and delivering just the right amount of low-end support in the 80–100 Hz region. The end product looks stylish, travels easy, and sounds downright fabulous. We’re honestly head-over-heels for our Quasar cabinet—balanced yet lively, clean yet detailed, and downright gorgeous. We hope you’ll love it just as much as we do.

After all, life’s too short for boring gear, right?

Let’s rock.