THE
GRYPHON

THE GRYPHON

Gryphon SIREN

Phono Stage

Owner's Manual

Table of Contents

THE GRYPHON

The Gryphon Name

The Gryphon moniker and symbol is an appropriate image for the brand,
inspired by Greek mythology, part eagle, part lion, the perfect union of grace and agility
with power and authority.

Gryphon Audio Designs is quite simply
"The ultimate choice for the enthusiast who wants the sound with no frills other than the luxury imparted by the fit, feel and finish."
(Hi-Fi News & Record Review magazine, UK)

The Gryphon Genetic Code

The Gryphon DNA has been defined by one writer as:

"A code of perfectionism, the likes of which I've only ever seen at the Bugatti atelier in Alsace or at the great watch houses in Switzerland. It is the result of not accepting the notion of compromise, on any level."
(Ken Kessler, audio critic)

At the very core of this genetic code lies what one critic described as Rasmussen's
"Subversion of traditional hi-fi styling"
(HiFi Choice magazine, UK)

with designs *"…so clean and simple, yet elaborate."*
(Positivefeedback.com, USA)

Similar sentiments echo around the world.

You Have Arrived

Gryphon Presents the World's Finest Phono Stage: The Collection Grows

For nearly four decades, Gryphon Audio Designs has defined the state-of-the-art in High End Audio. In terms of aesthetics, circuit design and innovation, materials research, build quality, intuitive control and, most importantly, audio performance, Gryphon products have set the standard by which all other audio components are judged. With the introduction of the Gryphon Commander Preamplifier and the Gryphon Apex Power Amplifiers, Gryphon once again pushed the audio art to a new and higher level.

Following in the tradition of these iconic components, Gryphon proudly presents Siren: the world's finest Phono Stage. Like its illustrious forbears, Siren is born from Gryphon's passion to perform.

In addition to detailing all operational and functional aspects of Siren, this Owner's Manual details the forty-year history and creative ethos of Gryphon Audio Designs and illustrates our relentless pursuit of sonic perfection. Please take a few moments to learn about the company in whose products you have invested.

All of us at Gryphon Audio Designs thank you for your patronage !

Creating an Icon

In virtually every category of consumer goods—fashion, automobiles, furniture, wine, watches, etc.—there exists a revered top tier of luxury and excellence, a small yet celebrated, High End segment populated by innovative designers who pursue perfection with little concern for production economies, practicality or cost.

The essence of these “Aspirational Brands” is consistent: aesthetic beauty, advanced technologies, superior performance and extravagant build quality combine to achieve unsurpassed levels of fit, feel, finish and function; as a result, all of these offerings represent the very best that can be achieved, created for the discerning few who can appreciate and afford them.

While many of these marques are familiar, others are known only to a limited group of cognoscenti. Curiously, High End audio systems remain a mystery to many connoisseurs. This lack of awareness can be explained by products whose unimpressive aesthetics or awkward functionality clash with the refined sensibilities of potential owners.

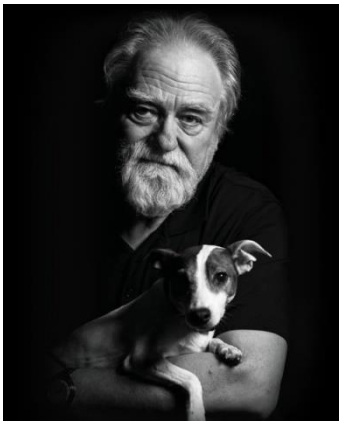
At Gryphon, functionality has been optimized through intuitive user interfaces on high-visibility, multi-mode touch displays, with most functions repeated on dedicated remote handsets for optimum user-friendliness.

As for aesthetics, the sculptural beauty of Gryphon components, combined with their extraordinary fit and finish, elevates fine audio componentry to objects of worship which are right at home in the finest domestic spaces.

For the uninitiated, who mistakenly assume that they are unable to distinguish finer musical nuances as reproduced by High End audio systems, even the briefest audition proves that most individuals can discern and appreciate the “You-Are-There” realism offered by fine High End home entertainment equipment. Rest assured: if you’re passionate about music, the illusion that the listener can be transported to the performance venue is both apparent and addictive.

The fortunate few with the means to acquire the ultimate in-home entertainment experience owe it to themselves to experience the pleasure which a Gryphon Audio System delivers.

Gryphon's Founding Father



After 33 years at Gryphon Audio Designs, Flemming Erik Rasmussen recently retired from the company he founded in 1985 to devote himself to his favourite pastimes including his first love, painting.

Rasmussen's audio career was purely serendipitous, transitioning from fine arts to fabric design to High End Audio Distribution and finally, to the creation of The Gryphon brand as an expression of his audio philosophies. Gryphon's first product, the now legendary Gryphon Head Amp, was developed for Flemming's personal use. Almost immediately, demand generated by rave reviews and "Audiophile Buzz" led to the formal establishment of Gryphon Audio Designs.

Rasmussen's background in fine arts and industrial design has infused every Gryphon product with distinctive, luxuriant styling. His elegant, uniquely Scandinavian black-on-black designs defined the "Nordic Noir" aesthetic long before TV crime dramas appropriated the term. His legacy is palpable in the visual aesthetic of current Gryphon chassis, as well as the ethos of quality and performance embodied in all Gryphon products. His selection of Tom Moeller as Chief Electronics Designer set Gryphon on the path to the design and performance supremacy that it occupies to the present day.

Although Rasmussen's formal involvement with Gryphon ended with the chassis design of the Diablo 333, the principles upon which he founded the company continue to the present day and inspire every Gryphon Product.

Foundation for Excellence: Gryphon Design Fundamentals

More than ever before, our commitment to absolute sonic and aesthetic perfection, regardless of price or commercial pressures, are the cornerstone of every Gryphon product. For more than twenty years, circuit design of all Gryphon Audio components has been overseen by Chief Electronics Designer Tom Moeller. The countless accolades, awards and critical acclaim that have distinguished Gryphon for nearly 40 years are the result of a commitment to excellence shared by every Gryphon employee.

Great Performers Deserve Ultimate Performance

Thanks to state-of-the-art technical equipment and some of the finest minds in audio engineering, the Gryphon brand continues to define the highest standards of subjective and technical excellence. Common to all Gryphon components, these design fundamentals have proven essential for achieving ultimate audio realism/performance.

Utilized in every Gryphon product, our Dual Mono Signal Paths eliminate any possibility of crosstalk or other inter-channel interference and provides infinite channel separation, the result of which is unsurpassed ability to convey space, focus, depth and transparency. Spatial recreation, dimensionality and image focus are limited only by the information contained on the recording.

Because the electrical power in your home can fluctuate wildly in terms of voltage, noise and distortion, Gryphon incorporates Heavily Regulated Multi-stage Power Supplies that act as effective mains conditioning filters. Displays and control circuits are fed by independent power supplies to isolate any digital noise artifacts and effectively prevent extraneous noise from contaminating the analogue signal path.

While the printed circuit boards in most audio products utilize conductor traces a mere 35 µm thick, Gryphon employs 70 µm or Thicker PC traces of the highest purity copper. (The conductor traces developed for Apex are an astounding 105 um thick!)

Beginning with our very first product, “The Head Amp,” all Gryphon products have featured extremely Wide Frequency Bandwidth, because the ability to accurately reproduce infra-sonic and ultra-sonic frequencies ensures linear phase response across the audible frequency range, for superior tonality, detail resolution and spatial performance. The implementation of circuits with wideband frequency response is a painstaking, iterative endeavour in which physical component layout and grounding pattern of the circuit boards are crucial to the attainment of superior sonic performance with no loss of inherent electrical stability. Wideband frequency response ensures high slew rate—essential to the realistic recreation of the ultra-fast transients which routinely occur in live music—and is crucial in recreating the entire harmonic envelope of acoustic instruments.

THE GRYPHON

All Gryphon designs are realized with none or an absolute minimum of negative feedback which, when present in large amounts, increases transient intermodulation distortion. With the exception of the Antileon series of power amplifiers (which utilize a minimum amount of

negative global feedback) all Gryphon amplifiers are designed with Zero Negative Global Feedback.

Gryphon's research into the detrimental effects of magnetically induced distorted (MID) has led to the Elimination of Magnetizable Materials wherever possible. To eliminate the effects of stray magnetic fields, non-magnetic materials are employed throughout every Gryphon product, with the unavoidable exception of the transformer shields.

The mechanical design and assembly methods of Gryphon chassis are carefully calculated to ensure Minimal Chassis Resonance, either through the use of high component mass, mechanical grounding or component decoupling. Vibration-sensitive parts, capacitors in particular, are thus guaranteed a non-resonant environment which, in turn, provides a solid foundation for optimal electrical performance.

Gryphon's Artistically Wrought, Massive Chassis offer a vibration-proof environment for the sensitive electronics inside and provide crucial shielding from a polluted world of low- and high-frequency radio waves, power-line radiation and other electrical interference. Our obsessive attention to such issues enables the relaxing, open and transparent Gryphon sound.

Unique, Non-intrusive Protection Circuitry offers reliable, fuss-free component protection without compromising signal purity or signal path simplicity. Ground paths have been carefully laid out in order to achieve superior sonic performance with no loss of stability. Component layouts are chosen to ensure the shortest conceivable signal paths.

In the interest of ultimate fidelity and signal purity, tone controls, balance controls and other superfluous circuitry have been banished from the signal paths of all Gryphon components.

Exhaustive investigation precedes the selection of every part and many Bespoke, Proprietary Components are custom-built exclusively for Gryphon. And because what is left out is just as important as what goes in, an absolute Minimum of Internal Wiring is utilized.

By devoting obsessive attention to each aspect of the circuit and fully understanding the purpose and behaviour of every single part of the whole, our designers can optimize performance in each section before moving on to the next step. This ensures simplicity, a short signal path and a unity of purpose towards a single, well-defined goal: musical purity.

Timeless Beauty, Aesthetic Perfection

The pride of owning Ultra-Luxe audio systems should be apparent *before* the system is turned-on; for this reason, Gryphon products have always offered sculpturally beautiful design, exquisite control “Feel” and ultimate user-friendliness to complement their standards-setting audio performance. In every Gryphon product, form follows function in a unique synthesis of aesthetics and operational ease which proceed organically from the audio circuit design. Gryphon components combine cutting-edge technology and ageless industrial design executed with the best of artisanal handcraftsmanship, all in the service of music and to the delight of our fortunate owners. The peerless finish, build quality, ergonomics and pride of ownership that contribute to the Gryphon Product Concept can only be fully understood and appreciated through hands-on experience with our products.

High End audio systems don’t exist in a vacuum: they reside in the finest domestic interiors outfitted with luxury accoutrements and decorated with a high sense of style. Gryphon produces aspirational components whose extraordinary performance is complemented by ravishing sculptural beauty. No expense has been—or every will be—spared in making every Gryphon component a source of pride of ownership, deserving of a place of honour in the finest homes.

Bespoke Manufacture for Heirloom Build Quality

At our laboratories and manufacturing facilities in Denmark, we maintain full control over every aspect of development and production, and our team members follow each Gryphon component from initial concept, through early prototype, to final quality control. Printed circuit boards are assembled by a supplier of precision military and medical equipment employing the highest standards of quality control and pre-inspection of components and sub-assemblies. Chassis parts are manufactured by specialists chosen solely for their outstanding quality of workmanship. In every aspect of every Gryphon product, the same stringent standards of excellence apply. Each unit is individually tested and then, after a 48-hour burn-in sequence, each product again undergoes both electronic and audio performance testing, ensuring generations of flawless performance.

THE GRYPHON

The System of a Lifetime

Gryphon collectors will upgrade as new models become available: we welcome this and are grateful for their loyalty. On the other hand, there is a large and devoted group of music lovers who choose Gryphon because they consider their purchase to be a once-in-a-lifetime

investment, because every component we make is Best-in-Class and because they rightfully expect a lifetime of blissful, trouble-free operation. It is this mandate to deliver heirloom build quality that guides the development of every Gryphon component that has ever been made and that ever will be made. Generational Sustainability—the ability of a product to deliver musical pleasure for an unlimited lifespan—is a fundamental principle of Gryphon Product Development. The overwhelming majority of all Gryphon products are still in daily use. Just as the finest Swiss Watches and Exotic Cars are destined to be handed down from one generation to the next, every product that has ever carried the Gryphon name has been purpose-engineered to stand the test of time, to be cherished as a source of pride and passed along to one's fortunate heirs. In this, Gryphon is the antithesis of obsolescence and therefore unique in the world of consumer electronics.

Another distinction of the Gryphon Design Philosophy is that no component or circuit changes affecting the performance are made during the production run of any Gryphon product. (In those rare cases where a parts substitution is required, we change the model name as, for example, we introduced our Scorpio S CD Player when the DA-Converter ICs used in the original Scorpio was no longer available.) This unit-to-unit consistency is remarkable for consumer electronics products and is extremely difficult to achieve; however, it is the only way to assure long lifespan, long-term maintainability and high resale value.

The Gryphon Siren

A New High in High Fidelity

Since our company's founding nearly 40 years ago, the philosophy of Gryphon Audio Designs of Denmark has remained constant: the relentless pursuit of sonic perfection without commercial compromises in design, construction or cost. All Gryphon products have been conceived in this same perfectionist spirit: uncompromising engineering in the service of music. Impeccable build quality complemented by our original, highly refined "Nordic Noir" aesthetic sensibility and absolute simplicity of use.

Recently, the introduction of our Commander Line Preamplifier and Apex Amplifiers heralded major advances in the State of the Audio Art. Given the enduring popularity and superior resolution of Analogue LP Playback, it was only a matter of time before the same perfectionist design principles were applied to phono preamplification. The culmination of Gryphon's four decades of engineering expertise are fully realized in the Gryphon Siren: the finest phono stage ever made.

Our starting points for Siren were the fully balanced (from cartridge input-to-output) Legato and Legato Legacy designs. Siren shares these Phono Stages' Dual-Mono layout with separate chassis for signal and power supply circuitry. Siren is outfitted with four Stereo Inputs—three XLR and one RCA--a much lower noise voltage power supply section ensuring ultra-low noise operation and new matched NPN dual transistors in the last two gain stages.

Siren utilizes fully regulated, extremely low noise power supplies for all voltage amplifying stages, both discrete and based upon premium devices from Linear Technology. Tightly matched transistors from ROHM together with Planar transistors from ZETEX/DIODES Inc are used in the signal path. Siren boasts an internal local power capacity bank of 155.000µF for both channels, consisting of 86 pieces of 105ºC/10.000H Panasonic electrolytic capacitors. High performance, Conductive Polymer Aluminum Solid Capacitors from Panasonic are employed for even further noise reduction.

Developed for Commander, Siren's 4.3" touch screen makes it possible to change load and gain settings from the screen menu or load settings directly from the Siren remote. (Please see Siren remote function description on page 25.) Presented in an extra-thick, 4mm glass window, Siren's 4.3" TFT capacitive touch display has been designed to ensure an utterly intuitive user interface.

Customized system set-up is facilitated by extensive menu control of Siren functions and settings as described in the "User Functions" section of this manual, beginning on page 20. In a

unique design flourish, Siren's display changes with the listener's distance from the system; in this way, system settings remain uniformly readable regardless of the listening position.

Damped Siren bottom plate

As with Apex and Commander, every part selected for Siren is the finest available: Premium, oversized Mundorf MCap® ZN foil capacitors specified for local power supply decoupling to the Siren uses Polypropylene Vishay capacitors with tight tolerance for the RIAA correction to the SMD precision MELF resistors (also from Vishay) to the Ultra-quality, Low Capacitance SIL Reed Relays from Pickering for all input and load shifting, no expense has been spared to deliver the highest standard of performance and build quality ever embodied in a Phono Stage.

Extensive use of aluminum chassis components lays a solid foundation for performance, yielding a highly stable, non-resonant enclosure that minimizes both mechanical and electrical degradation and providing optimal working conditions for Siren's sensitive amplification circuits. Unique to Commander and Siren, a constrained-layer-damped bottom plate - a "sandwich" of three individual, optimized layers of Kerrock, bitumen and steel - reduce resonances to an absolute minimum. All amplifier and analogue power supply circuit boards float above these bottom plates on specially-designed isolators, providing a pristine, virtually vibration-free environment for the Siren's sensitive circuitry. A quartet of Gryphon Atlas Spikes under each chassis move resonance control even closer to theoretical perfection.

Placement

Do not place your Gryphon component on or near any source of heat such as power amplifiers. Do not place any object on the top covering the ventilation holes or heat sinks of your Gryphon component. Do not place Siren in an enclosed space such as a cabinet, unless ample ventilation is provided. Failure to observe these guidelines may result in overheating and damage.

AC voltage

Your Gryphon unit is especially made for the AC voltage of the country to which it has been shipped. If the voltage of your Gryphon has been changed, the warranty is void and the product may be unsafe or malfunction. Correct AC polarity contributes greatly to optimum performance. If you are not using a three-pin, non- reversible power plug, please experiment with the orientation of the plug for optimum performance.

Care and Maintenance

Gryphon products are handcrafted by individuals who take great pride in the extraordinary level of fit and finish which we achieve. To maintain your Gryphon components in pristine condition, please follow these simple instructions. Metal surfaces may be cleaned with a damp cloth or dry microfiber cloth. Some products made for treatment of vinyl interiors in cars may be useful. Test the product on a non-visible surface before using any fluids. Acrylic surfaces should only be wiped with a very soft, dry cloth. Small scratches may be removed with acrylic surface polish. Fingerprints may be removed with a damp cloth or dry microfiber cloth. In order to avoid damage to your Gryphon's finish, do NOT use spirits or paper tissue.

Choice of Cables

Gryphon's basic philosophy is one of sonic neutrality. We prefer to leave interpretation to the musicians, composers and artists. Therefore, you should not need a cable with a particular "sound" of its own to balance or "equalize" your system. Unfortunately, in some circles of the High End Audio industry, cables have become accepted as tonal equalizers.

Take the advice of your authorized Gryphon dealer in selecting interconnects and loudspeaker cables for your Gryphon equipment. For that matter, seek their recommendations regarding power cords, as well. After all, we are listening to current "converted" into music!

Naturally, Gryphon's own range of interconnects, loudspeaker cables and power cords are used in the development of Gryphon products. Gryphon cables are designed for ultimate neutrality and resolution. They are extremely revealing and will allow the ultimate quality of your Gryphon system or any fine audio components to come through clearly and undiminished. The conductors used in Gryphon cables have been chosen for longevity and stability, which makes them an exceptional long-term value, as well.

All Gryphon amplifiers are designed and manufactured with an extreme bandwidth and in some cases the wrong choice of speaker cable can become an issue and will create potential problems in the collaboration between amplifier and speakers, with the speaker cable as an interactive factor. Gryphon recommends that no speaker cable on a Gryphon amplifier should be with a coaxial design, active shielding or special "Network Boxes" that introduce different types of filtration to the audio circuit. A speaker cable with a coaxial design or with active shielding will in most cases have a much lower bandwidth than the amplifier and therefore the amplifier will be met with a too high capacitive load, which might cause oscillation of the amplifier. There is no need to add active filtration to an analogue amplifier. With a properly designed audio system, such filtration will not benefit the final reproduction of the music.

THE GRYPHON

Gryphon recommends using speaker cables with low capacitance and wide bandwidth in order to match the specifications of the amplifier's bandwidth and output impedance. There is no need to add "Negative Filtration" to the system as Gryphon is striving to have the highest possible level of tonal balance and neutrality. Choose your cables with careful attention to the actual parameters of the cable design (e.g. cable geometry, capacitance, bandwidth, insulation, conductor material and connectors) and an emphasis upon low capacitance, low resistance and sonic neutrality.

Unpacking and Setup

Please refer to separate Setup instruction document included with your unit. You can also find this document on our website.

SAFETY INSTRUCTIONS
Hazardous live AC power! Please find important safety instructions

Installation

The Gryphon Siren comes with a set of DC cables to connect the Phono Stage to the delivered Power Supply or the existing Commander PSU if you already own a Commander Pre-amplifier. (Please verify that your Commander PSU is labeled “SIREN Compatible”)

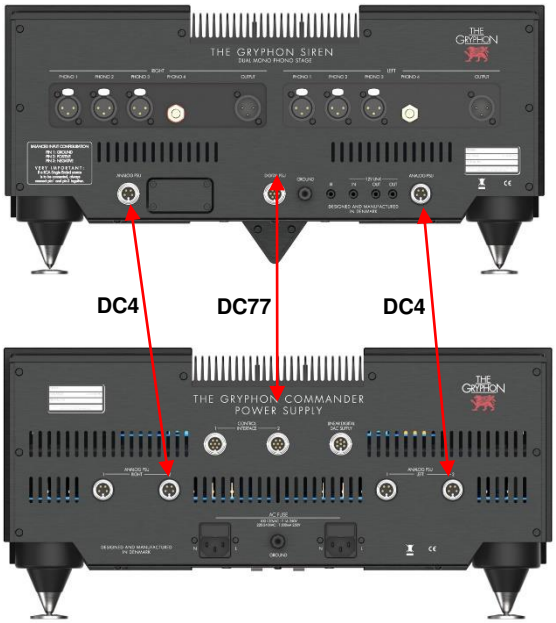
The DC cable set consists of one DC77 and two DC4 cables.

Do NOT connect the AC power cords before having connected the DC cables as shown below.

Connect the DC77 cable between “Control Interface 2” on the Power Supply to the “Digital PSU” Connector on the Siren Phono Stage.

Connect the DC4 cables respectively - between “Analog PSU 2 Left” on the Power Supply to the corresponding “Analog PSU 2” connector in left side on the Siren Phono Stage - and between “Analog PSU 2 Right” on the Power Supply to the corresponding “Analog PSU” connector in right side on the Siren Phono Stage.

Connect two AC power cords from mains to the two AC inlets on the Commander Power Supply.

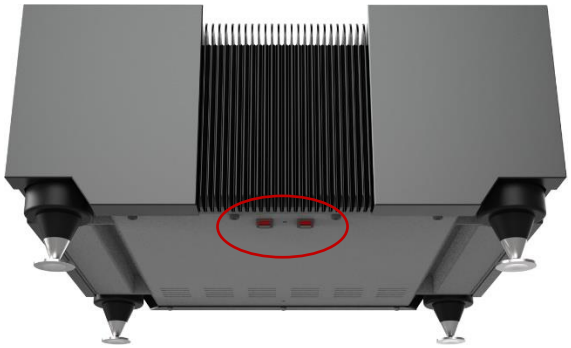


Burn-in and Warm-up

Your Gryphon unit has been thoroughly tested and burned-in before shipping; however, performance will continue to improve during the first 40 – 50 hours of normal use. After this period, optimum performance will be reached approximately 45 minutes after turn-on.

Mains Switches

The main ON/OFF switches on the Siren Phono Stage are located on the bottom panel of the Commander Power Supply, near the front. In keeping with Siren's Dual Mono construction, there are individual power switches for left and right channels. Engaging the power switches will illuminate the ON/STB (Standby) indicator on the Phono Stage.



If the ON/STB (Standby) switch flashes red continuously in STB mode; this indicates wrong / defective AC mains voltage. Please disconnect the Commander PSU from AC power and contact your Authorized Gryphon Dealer or Distributor.

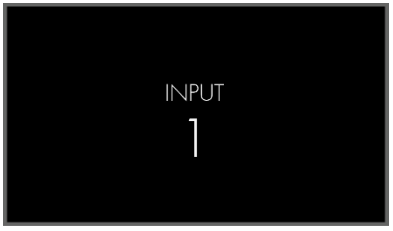
User Instructions

ON/STB touch Button:

Activate the ON/STB (Standby) touch button below the Gryphon logo to turn the Siren ON and again to engage to standby mode. When the phono stage is ON, the symbol turns green. (A red symbol indicates STB)

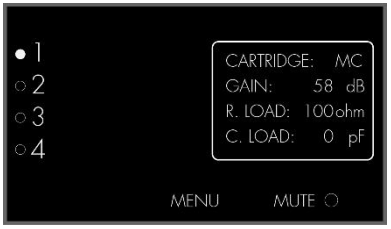
NOTE: ALWAYS turn the phono stage on, BEFORE turning ON the preamplifier.

ALWAYS turn the power amplifier(s) OFF, BEFORE turning off the phono stage or preamplifier.



Display View Modes:

The Gryphon Siren has two display view modes: “Operation” and “Distance”. After the start up sequence completes and when the user is within approximately 70 cm of the display, the Siren will enter “Operation” mode. 5 seconds after the user gone beyond the 70cm range, the display will switch to “Distance” mode.



Distance Mode:

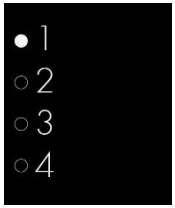
In "Distance" mode, the selected input and the volume level are displayed with a large font to make them easily readable from the listening position.

Operation Mode:

In "Operation" mode, it is possible to operate the Siren via the touch display.

MUTE

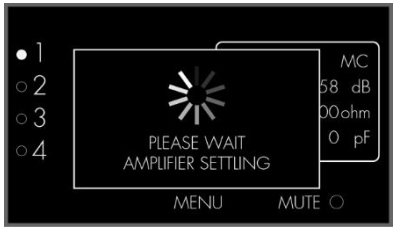
Use this function to immediately mute the signal. Mute is indicated with a filled white dot.



INPUT SELECT

Use these touch buttons to select the desired input from 1-4.

The names for each input can be customized using the Menu. See the description under "Menu Activated Functions".



If an input is changed, a “PLEASE WAIT AMPLIFIER SETTLING” pop-up screen will show for app. 6 seconds. This is to ensure that the internal Siren Phono Stage circuits are DC-stabilized before unmuting.

MENU

Touch the “MENU” button to enter the Main Menu.

Menu Activated Functions

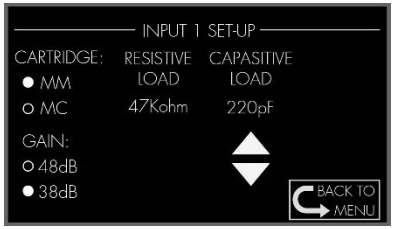
MAIN MENU:

Select any of the menu items or press EXIT to leave the menu.
When menu EXIT is activated a “PLEASE WAIT AMPLIFIER SETTLING” pop-up screen will show for app. 6 seconds.

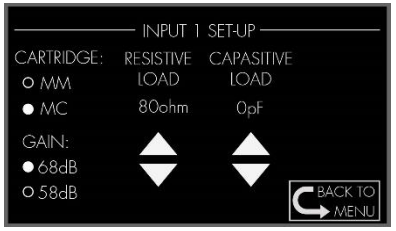
In the following section, each menu item will be described in detail:

INPUT SETTINGS:

Select any of the four inputs to enter the specific input setup menu.



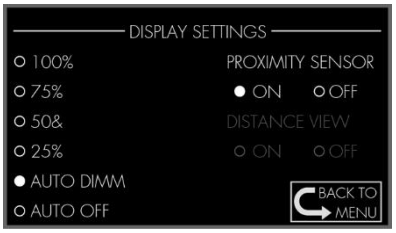
MM (Moving Magnet) default settings are shown in the left picture. Following settings can be changed when MM is chosen:
GAIN: 38dB or 48dB. Chose gain depending on the output level of your preferred MM cartridge. Chose 38dB for a high output level MM cartridge or 48dB for a normal output level MM cartridge.
CAPACITIVE LOAD: 0pF, 70pF, 100pF, 170pF, 220pF, 290pF, 320pF, 390pF, 440pF, 510pF, 540pF or 610pF.



MC (Moving Coil) default settings are shown in the left picture. Following settings can be changed when MC is chosen:
GAIN: 68dB or 58dB. Chose gain depending on the output level of your preferred MM cartridge. Chose 58dB for a high output level MC cartridge or 68dB for a normal output level MC cartridge.

RESISTIVE LOAD: 20Ω, 30Ω, 40Ω, 50Ω, 60Ω, 70Ω, 80Ω, 90Ω, 100Ω, 110Ω, 120Ω, 130Ω, 150Ω, 170Ω, 195Ω, 220Ω, 245Ω, 300Ω, 420Ω, 495Ω, 585Ω, 745Ω, 1000Ω or 1600Ω.
CAPACITIVE LOAD: 0pF, 220pF or 440pF.

Changing resistive and/or capacitive load will change performance and sound characteristics. For the best performance, and as a starting point, please consult the cartridge manufacturers recommendations regarding load.



DISPLAY SETTINGS:

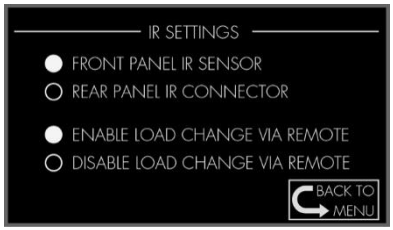
Select fixed display intensity in four levels 25, 50, 75 or 100%.

Alternatively select AUTO DIM or AUTO OFF.

“AUTO DIM” when the Siren display is in "Operation" mode, the display intensity will be 100%. In "Distance" mode, the display will be 100% when the Siren is operated from the remote control and after 20 seconds the intensity will lower to 25%, rendering the display unobtrusive and prolonging its lifespan.

“AUTO OFF” when the Siren display is in "Operation" mode, the display intensity will be 100%. In "Distance" mode, the display will be 100% when the Siren is operated from the remote control and after 20 seconds the display will switch off. This will prolong the lifespan of the display. Any operation of the Commander will turn the display on again.

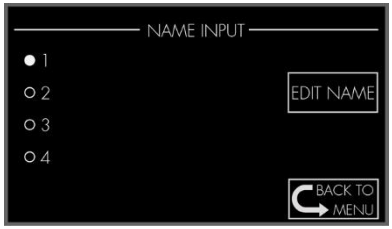
“PROXIMITYSENSOR OFF” prevents the function of the proximity sensor detecting subjects or humans at app. 70cm. If OFF, it is possible to chose “DISTANCE VIEW” ON or OFF.



IR SOURCE:

It is possible to connect an external active IR receiver to the back panel of the Commander. To use this option; select Rear Panel IR Connector.

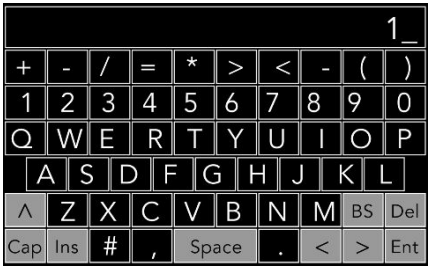
To avoid unintended alteration of the resistive or capacitive load via remote, it is possible to “DISABLE LOAD CHANGE VIA REMOTE”.



NAME INPUT:

Select the desired input and press Edit Name.

Use the QWERTY keyboard to enter the new input name and press "Ent" to confirm. The input name can have a maximum of 8 characters.



RESTORE SETTINGS:

This option allows for resetting all settings to default, per below:

All inputs defaults to MC.
MC load and gain: 80Ω, 0pF and 68dBg.
(MC gain can be lowered to 58dBg via the specific input settings).
MM capacitive load and gain: 220pF and 38dBg.
(MM gain can be raised to 48dBg via the specific input settings).
Disable load change via remote.
Input Names for Input 1-4: INPUT1-4.
Display default settings: Auto dim, Proximity sensor ON.
IR Source: Front Panel IR Sensor.

Remote Control

ON/STB

Places the Gryphon SIREN “On” or in “STB” (Standby)

MUTE

When the volume level is above 0, use this function to immediately mute the signal. Mute is indicated on the display with a filled white dot or a “MUTED” text in distance mode.

DISPLAY

This remote button toggles through the different display intensity options. The selected option will show in the display. After 5 seconds, the display will return to normal.

INPUT 1 - 4

The numbered buttons from 1 to 4 are used to directly select the desired input.

R-LOAD UP/DOWN

Thes two R buttons alters the load resistance of the actual input when MC is chosen.

C-LOAD UP/DOWN

Thes two C buttons alters the load capacitance of the actual input when MM or MC is chosen.

Load change via remote can be enabled/disabled* in the Siren menu, under IR settings.

*Disabling this feature is to prevent load change via remote by accident.

SIREN Phono Stage Rear Panel

BALANCED OUTPUT

Balanced, fully discrete, DC-coupled Class A Phono Stage output.

INPUT 1 - INPUT 3

Balanced XLR inputs to connect balanced sources.

INPUT 4

Single-ended RCA input to connect a single-ended source.

Balanced Connections

All Gryphon products follow the AES standard for balanced connections:

1. Ground 2. Positive 3. Negative

Gryphon recommends the use of dedicated, XLR-balanced interconnect cables.

Avoid the use of RCA-to-XLR adaptors as they will degrade system performance.

IR

The IR input enables connection of an external active IR receiver.

12V LINK IN

For switching the SIREN between STB (Standby) and ON when connected to a unit with compatible link output.

12V LINK OUT

For switching other units with compatible link input between STB and ON following the STB/ON status of the SIREN Phono Stage.

ANALOG PSU and DIGITAL PSU

Connect these inputs to the Commander Power Supply as described in the ”Installation” section of this manual.

GROUND

Binding post for chassis ground.

Service panel

Do not remove the small service panel. For service purposes only.

Commander Power Supply Rear Panel

Connecting the Gryphon SIREN to a SIREN compatible Commander Power Supply unit:

ANALOG PSU 1 LEFT and RIGHT

Analog power supply output for Commander Preamplifier.

ANALOG PSU 2 LEFT and RIGHT

Analog power supply output for SIREN, Legato, Legato Legacy or future source components.

CONTROL INTERFACE 1

Power supply output for the Commander Pre control circuits.

CONTROL INTERFACE 2

Power supply output for SIREN or future source component's control circuits.

LINEAR DIGITAL DAC SUPPLY

Linear power supply output for future source components.

GROUND

Binding post for chassis ground.

Mains input sockets:

Two IEC appliance C14 inlets (for power cords with IEC C13 receptacle)

AC FUSE holders and fuse values:

100-120Vac: T1A / 250V 220-240Vac: T500mA / 250V

Remote Codes

The Gryphon Siren Phono Stage remote control uses the Philips RC-5 standard for infrared communication.

The following RC-5, system 21 codes are used for the Gryphon Siren Phono Stage:

ON/STB	12	Direct Input Select:	
MUTE	13	INPUT 1	1
DISPLAY	15	INPUT 2	2
R-LOAD UP	51	INPUT 3	3
R-LOAD DOWN	53	INPUT 4	4
C-LOAD UP	55		
C-LOAD DOWN	57		

Remote Control Battery

The remote control uses a single LR2450 / CR2450 coin cell battery.

Please replace the battery if the red indicator doesn't light up when pressing a button:

Carefully remove the screws holding the rear panel of the remote control using a 2mm hex socket screwdriver or Allen key.

Remove the rear panel and carefully slide the small battery drawer forward to release the battery.

Observe the orientation of the battery and replace with the new battery.

Features

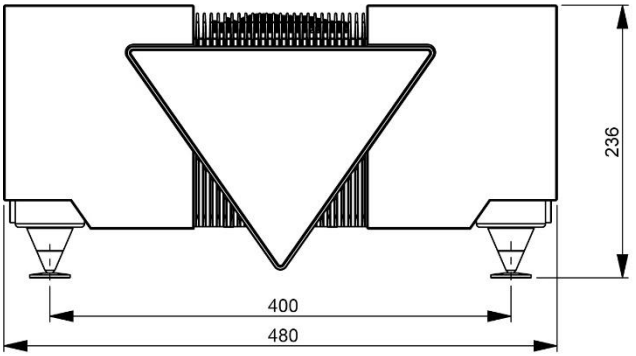
- True Dual Mono configuration
- Zero global negative feedback
- Four selectable inputs, one RCA and three balanced XLR
- Selectable MC load impedance
- Selectable MC and MM load capacitance
- Selectable gain
- Extremely low noise
- Fully balanced circuit, a Gryphon phono stage innovation as early as 1994
- Fully discrete circuit
- DC servo coupling
- Select premium grade components.
- Premium massive Mundorf MCap® ZN capacitors used for local power supply decoupling.MCap® ZN's loss factor is ten-times lower than of metallized PP-film capacitors. Additionally, the mass inertia of the tin foil prevents oscillations in the benefit of transparency and spatiality
- Fully regulated extremely low noise power supply for all voltage amplifying stages
- Ultra-short signal path
- Minimal internal wiring
- Four-layer printed circuit boards with 70µ copper on all layers
- PCB-mounted sockets eliminate wiring and shorten signal path.
- Gold-plated Neutrik XLR sockets for up to three balanced Phono Cartridges
- Gold-plated phono sockets with Teflon insulation for one Phono Cartridge
- Massive Dual mono external power supply
- Huge power supply capacitor bank for each channel
- Separate linear power supply for both digital and each left/right analog circuits
- Separate mechanical chassis for Power Supply and Amplifier circuits
- Decoupled Kerrock, bitumen and steel sandwich chassis bottom holding the sensitive amplifier and power supply Printed Circuit Boards, to prevent smearing of the fine audio details.
- 4.3" TFT capacitive touch screen with 4mm hardened glass in front
- Intuitive menu structure
- 12Vdc link input and output
- Infrared Receiver input on rear panel mini jack socket
- Firmware upgradeable via USB 2.0 socket on rear panel
- Infrared Gryphon Siren remote
- EU CE approval
- Standby power consumption < 0.5W
- Designed and built in Denmark

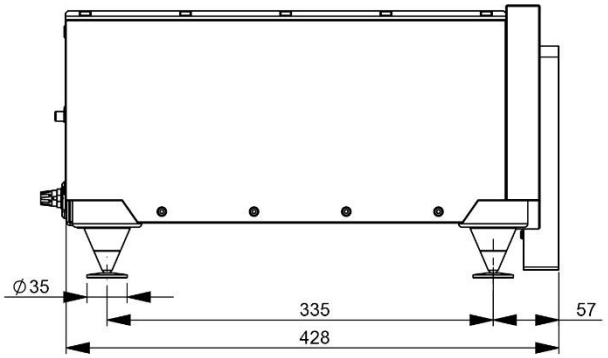
Specifications

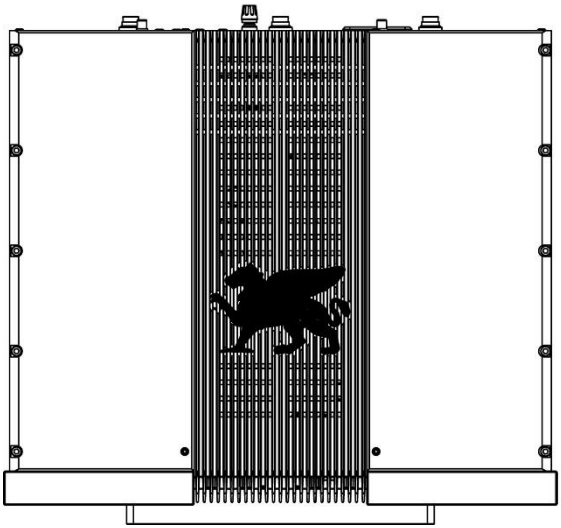
- Three Balanced XLR inputs each channel.
- One Single Ended RCA input each channel.
- One Balanced XLR output each channel.
- Input load Impedance MM: 47KΩ,
- Input load Impedance MC: 20Ω, 30Ω, 40Ω, 50Ω, 60Ω, 70Ω, 80Ω, 90Ω, 100Ω, 110Ω, 120Ω, 130Ω, 150Ω, 170Ω, 195Ω, 220Ω, 245Ω, 300Ω, 420Ω, 495Ω, 585Ω, 745Ω, 1000Ω or 1600Ω.
- Input load Capacitance MM: 0pF, 70pF, 100pF, 170pF, 220pF, 290pF, 320pF, 390pF, 440pF, 510pF, 540pF or 610pF.
- Input load Capacitance MC: 0pF, 220pF or 440pF.
- Output impedance: 50Ω
- Bandwidth: RIAA +/-0,1dB
- Total Power Supply Capacity, both unit's: 74.000uF each stereo channel
- Gain: MM +38dB or +48dB @ 1kHz, MC: +58dB or +68 dB @ 1kHz
- S/N Unweighted 20-20kHz: MM: 86db @ 10mv, MC: 70db @ 0,5mv
- S/N A-weighted 20-20kHz: MM: 90db @ 10mv, MC: 74db @ 0,5mv
- Channel Separation: Infinite
- MENU-controlled functions:
  Moving Magnet (MM) or Moving Coil (MC) selection
  Additional +10dB Gain option, MM and MC
  Moving Coil load impedance and capacitance
  Moving Magnet load capacitance
  Display Intensity: (100%-75%-50%-25% and Auto Dim ON/OFF)
  Name Input
  Infra-Red source (Front or Rear Panel)
  Restore Settings
  MENU exit
- Dimensions Preamplifier unit, WxHxD: 48 x 23,6 x 45,5 cm, net unit weight: 30,4kg
- Dimensions optional PSU unit, WxHxD: 48 x 23,6 x 44 cm, net unit weight: 38kg
  Please also see following pages
- Shipping dimensions: One or two crates; each 59 x 57 x 38 cm, respectively 45kg and 53kg

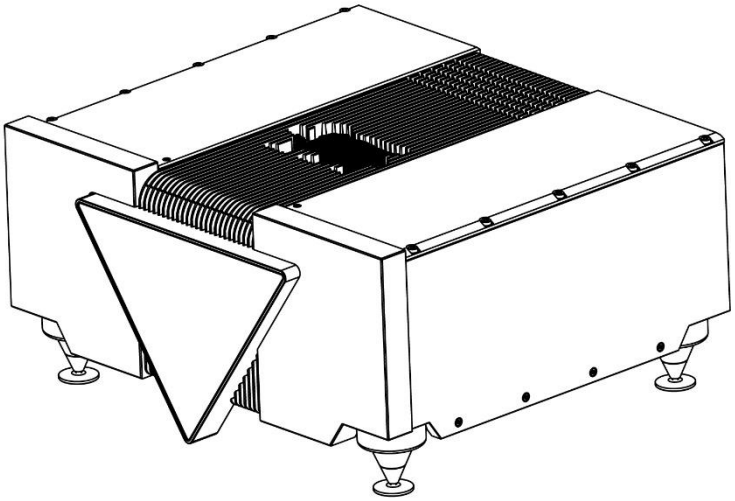
Note: Features and specifications can be changed without notice.

Dimensions, Siren Phono Stage









Warranty & Support

The Gryphon Siren is warranted against failures arising through faulty workmanship and materials for a period of 5 years from date of purchase. The warranty is not transferable.

This warranty is only valid in the country where the product was purchased.

All claims under this warranty must be made to the distributor in the buyers' country by returning the unit securely packed in the original box with all accessories, postage/freight prepaid and insured. The unit will be repaired or replaced at no charge for parts and labor.

This warranty will be void if the serial number of the unit has been defaced or removed.

No user serviceable parts inside. **This warranty will be void if the unit has been repaired or modified by non-authorized Gryphon dealers or distributors.** Optional modules must be installed by authorized dealers and distributors only.

This warranty does not cover damage due to misuse, accident or neglect.

This warranty is not valid if the operation voltage of the product has been changed.

The distributor or manufacturer, Gryphon Audio Designs, Denmark, retains the exclusive right to make such judgement on the basis of inspection.

The retailer, distributor or manufacturer of the Gryphon shall not be liable for consequential damage arising from the use, misuse or failure of this product, including injuries to persons or property.

Please do not directly contact Gryphon for repair, warranty issues or technical questions. Our local representatives are competent and happy to help you.

To qualify for this warranty; the enclosed warranty registration card must be filled out and returned to Gryphon Audio Designs within 30 days of purchase.

Alternatively, you may wish to register online at www.gryphon-audio.com

Notes	
Gryphon Model:	
Serial No.:	
Date of Purchase:	
Dealer:	
Country:	

IMPORTANT SAFETY INSTRUCTIONS

Read these instructions.

Keep these instructions.

Heed all warnings.

Follow all instructions.

Do not use this apparatus near water.

Clean only with dry cloth.

Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Do not defeat the safety purpose of the polarized or grounding-type plug.

US power plugs (NEMA5-15) only: 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 is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Only use attachments/accessories specified by the manufacturer.

Unplug this apparatus during lightning storms or when unused for long periods of time.

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, 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

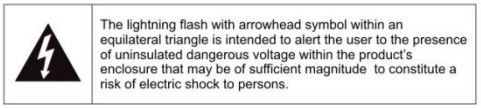
Do not open the equipment to reduce the risk of electrical shock. Refer all disassembling to qualified service personnel.

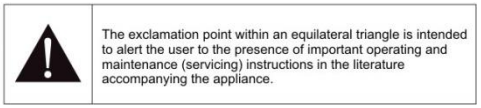
WARNING: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

To completely disconnect this equipment from the mains, disconnect the power supply cord plugs from the receptacle.

The mains plug of the power supply cords shall remain readily operable.

No naked flame sources, such as lighted candles, should be placed on the apparatus.





Remote Control Battery

WARNING

Danger of explosion

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type.

WARNING

Chemical burn hazard

If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

Notes