

Academy Sonnet "S"



Ascoltare musica con sistemi small-sized è una scelta ragionata e largamente compresa per gli innegabili vantaggi di posizionamento in ambiente.

Sebbene i compromessi da accettare rendano questa classe di progetti virtualmente non realizzabile, Sonnet offre una via di uscita per aggirare gli ostacoli delle Leggi Fisiche.

A corollario di questa rigorosa impostazione, affermiamo ancora una volta che alla Chario Loudspeakers operiamo miracoli per dare il meglio di noi stessi, ma siamo orgogliosamente estranei a progetti miracolosi.

Listening to music on small-sized systems is a reasonable and quite understandable preference, given that they are easily installed in many venues.

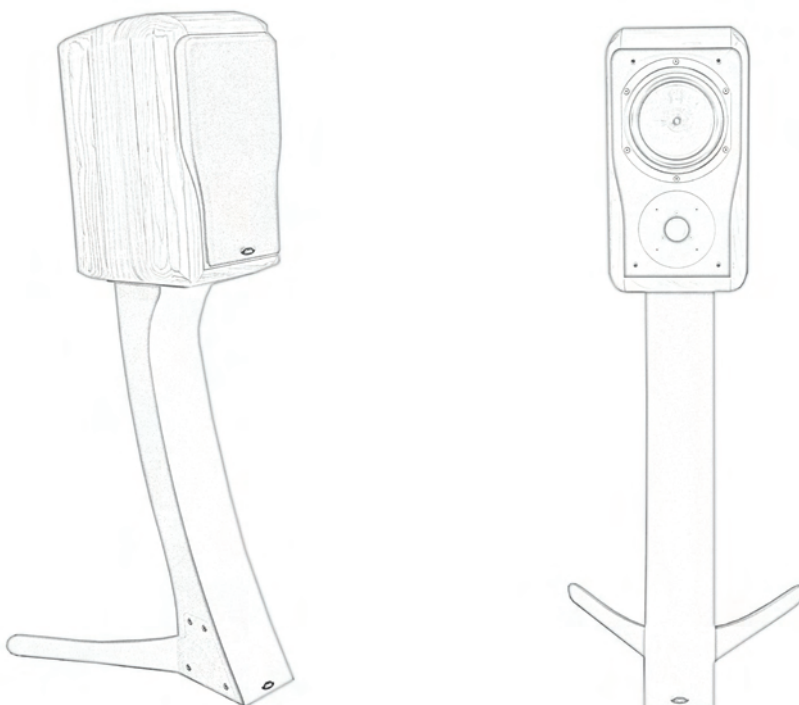
Although the compromises required make this sort of design almost impossible, Sonnet offers a solution to bypass the Laws of Physics.

To integrate this strict definition, while we can safely say that we perform miracles to do our best at Chario Loudspeakers, we are nonetheless proud to say that we are strangers to miraculous designs.

Musik mittels kleiner Systeme zu hören ist eine sinnvolle und weithin verständliche Entscheidung aufgrund der unwidersprochenen Vorteile der Anordnung im Raum.

Obwohl die Kompromisse, die man mit dieser Wahl akzeptieren muss, diese Klasse von Projekten virtuell nicht realisierbar machen, bietet Sonnet einen Ausweg, um die Hürden der physischen Gesetze zu überwinden.

Als Folgesatz dieses rigorosen Ansatzes bestätigen wir nochmals, dass wir bei Chario Loudspeakers Wunder vollbringen, um das Beste von uns zu geben, aber wir sind stolz sagen zu können, dass uns Wunderprojekte fremd sind.



Low Frequency Load

Back-Firing Vented

Vent Geometry

Half-Exponential Hourglass Type

Configuration

2-way Reversed Array

Drivers

1 Tweeter 32 mm SILVERSOFT™ dome
NeFeB motor
1 Woofer 170 mm ROHACELL® Full-Apex™
Poly-Ring NeFeB motor

Sensitivity

90 dB SPL normalized to 1 m / 2.83 Vrms
de-correlated L/R pink noise within IEC 268-13
compliant listening room

Low Frequency Cut Off

55 Hz @ -3 dB referred to C4 WETS

Xover Frequencies

1180 Hz

Alignment

LKR4 Derived ($\Delta\phi=45^\circ$)

Rated Impedance

Modulus 4 Ω (min 3.2) Argument $\pm 36^\circ$

Suggested Amplifier

Rated for 120 W / 4 Ω Average Power Max

Size (HxWxD)

445x235x340 mm

Weight

14 kg

Cabinet Finish

Solid Wood and HDF

Stand

Weight 13 kg

Size (HxWxD) 750x540x460 mm

Finish iron black anodized finish and

Varnished HDF

Packaging

Size (HxWxD): 600x630x500 mm

Pieces: 2

Weight: 29 Kg

Packaging

Size (HxWxD): 455x870x380 mm

Pieces: 2

Weight: 28,65 Kg

Prices

Walnut, Cherry, Oak: 3.512,00 €

Stand Prices

Iron and HDF: 858,00 €

All prices are VAT Included

Academy Sovran "S"



Technology For Your Dreams

Il primo sistema di altoparlanti a tre vie in grado di controllare la radiazione energetica alle basse frequenze secondo il principio proprietario della Radiazione a Doppietto di Chario Loudspeakers.

Un passo avanti di assoluto rigore che pone le basi teoriche per affrontare in modo diverso le problematiche acustiche dei piccoli ambienti.

The first three-way loudspeaker system able to control energy diffusion at low frequencies, using Chario Loudspeakers proprietary Doublet Radiation principle.

A decisive step ahead, laying the theoretical foundations for a different approach to sound issues in small environments.

Das erste Lautsprecher-3-Wege-System, das in der Lage ist, die energetische Strahlung im Niederfrequenzbereich durch das proprietäre Prinzip der Dipol-Strahlung von Chario Loudspeakers zu kontrollieren.

Ein absoluter Schritt nach vorne, der die theoretische Grundlage schafft, um auf andere Weise an die akustischen Problemstellungen in kleinen Räumen heranzugehen.



Low Frequency Load

Subwoofer NRS 2π sr Vented Isobaric Compound
Woofer Back-Firing Slot with Aperiodic Tuning

Vent Geometry

Bi-dimensional Hyper-Exponential Hourglass Type

Configuration

3 way Reversed Vertical Alignment
Free-Standing

Drivers

1 Tweeter 32 mm SILVERSOFT™ dome NeFeB motor
1 Woofer 170 mm ROHACELL® Full-Apex™ Poly-Ring NeFeB motor
2 Subwoofer 200 mm Natural Fibres Poly-Ring NeFeB motor

Sensitivity

90 dB SPL normalized to 1 m / 2.83 Vrms de-correlated L/R pink noise within IEC 268-13 compliant listening room

Low Frequency Cut Off

35 Hz @ -3dB referred to C_4 WETS

Doublet Crossover

100 Hz

Mid-High Crossover

1180 Hz / LKR4 Derived ($\Delta\phi=45^\circ$)

Rated Impedance

Modulus 4 Ω (min 3.0) Argument $\pm 36^\circ$

Speakers Orientation

Speakers should be tilted inward facing the listener

Listening Distance

Optimum speaker-listener distance > 3.0 m

Listening Layout

A carpeted floor in front of the speakers is recommended

Side and Back Walls

Should be at least 1m away from the speaker front baffle

Suggested Amplifier

Normal Amping: 180W/4 Ω
Average Power Max

Bi-Amping: 120W/4 Ω Average Power Max

Size (HxWxD)

1220x240x440 mm

Weight

47 kg

Cabinet Finish

Solid Wood and HDF

Packaging (Top)

Size (HxWxD): 530x560x380 mm
Pieces: 1

Packaging (Bottom)

Size (HxWxD): 900x550x350 mm
Pieces: 1

Weight (Top & Bottom): 52 Kg

Prices

Walnut, Cherry: 11.690,00 €

All prices are VAT Included

Academy Serendipity "S"



Technology For Your Dreams

Ammiraglia della Serie Academy, rappresenta la raffinata sintesi di tutti gli studi che hanno caratterizzato l'attività di Chario Loudspeakers dal 1975. Troppe parole sarebbero necessarie per descrivere la struttura ed il funzionamento, per questo preferiamo riassumere il <Progetto Serendipity> attraverso i concetti che lo hanno reso famoso nel mondo:

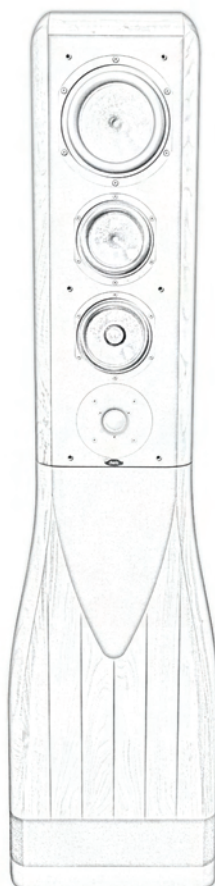
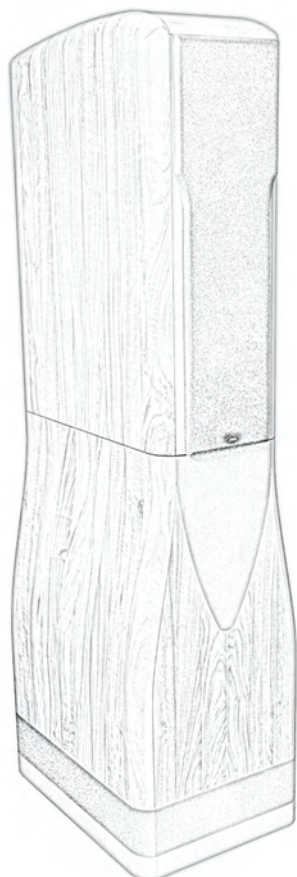
NRS 2 π , Hyper Exponential Hourglass, Reversed Vertical Array, Silversoft Dome, Rohacell®, Full Apex™, Polyring, Neodymium, Overlapping Points, WMT™ Alignment, SoundCap®

The Academy Series flagship is the refined expression of all the research typical of Chario Loudspeakers development since 1975. It would take too long to describe the structure and the working principles so we prefer to sum up the <Serendipity Project> through concepts that have made it famous worldwide:

NRS 2 π , Hyper Exponential Hourglass, Reversed Vertical Array, Silversoft Dome, Rohacell®, Full Apex™, Polyring, Neodymium, Overlapping Points, WMT™ Alignment, SoundCap®

Vorreiter der Serie Academy, stellt es die raffinierte Synthese aller Untersuchungen dar, die die Tätigkeit von Chario Loudspeakers seit 1975 charakterisiert haben. Zu viele Worte wären nötig, um seine Struktur und seine Funktionsweise zu beschreiben, daher ziehen wir es vor, das <Projekt Serendipity> mittels der Konzepte zusammenzufassen, die es in der Welt berühmt gemacht haben:

NRS 2 π , Hyper Exponential Hourglass, Reversed Vertical Array, Silversoft Dome, Rohacell®, Full Apex™, Polyring, Neodymium, Overlapping Points, WMT™ Alignment, SoundCap®



Low Frequency Load
NRS 2 π sr Vented Isobaric Compound

Vent Geometry
Bidimensional Hyper-Exponential Hourglass Type

Configuration
5 Way Reversed Vertical Alignment
Free-Standing

Drivers
1 Tweeter 32 mm SILVERSOFT dome NeFeB motor
1 Midrange 130 mm ROHACELL® Poly-Ring NeFeB motor
1 Woofer 130 mm ROHACELL® Full-Apex™ Poly-Ring NeFeB motor
1 Woofer 170 mm ROHACELL® Full-Apex™ Poly-Ring NeFeB motor
2 Sub 320 mm Natural Fibres - 2 Waves Surround HF motor

Sensitivity
93 dB SPL normalized to 1 m / 2.83 Vrms / decorrelated L/R pink noise in IEC 268-13 compliant listening room

Low Frequency Cut Off
23 Hz @ -3dB referred to C₄ WETS

Overlapping Points
240/500/1250/1850 Hz

Rated Impedance
Modulus 4 Ω (min 3.0) Argument $\pm 36^\circ$

Speakers Orientation
Speakers should be tilted inward facing the listener

Listening Distance
Optimum speaker-listener distance > 3.5 m

Listening Layout
A carpeted floor in front of the speakers is recommended

Side and Back Walls
Should be at least 1m away from the speaker front baffle

Suggested Amplifier
Normal Amping: 400W/4 Ω
Average Power Max

Bi-Amping: 200W/4 Ω Average Power Max

Size (HxWxD)
1610 x 400 x 580 mm

Weight
100 kg

Cabinet Finish
Solid walnut or solid cherry and HDF.

Packaging (Top)
Size (HxWxD): 440x900x720 mm
Pieces: 1

Packaging (Bottom)
Size (HxWxD): 1080x795x630 mm
Pieces: 1

Weight (Top & Bottom): 120 Kg

Prices
Walnut, Cherry: 21.990,00 €

All prices are VAT Included

Academy Sapphire "S"



Technology For Your Dreams

Completare una serie di sistemi di altoparlanti seguendo un percorso top-down è un compito irto di difficoltà poiché si perdono via via le peculiarità del progetto originale, a causa della necessaria semplificazione della struttura hardware.

Sapphire è la tangibile dimostrazione di come sia possibile "scalare e riadattare" la teoria di Solitaire ad un sistema di minor complessità, dimostrando la reale consistenza scientifica dei risultati ottenuti nel Laboratorio di Psicoacustica di Chario Loudspeakers

It's no mean feat to complete a series of loudspeaker systems applying the top-down approach. Gradually the special traits of the original design are lost because the hardware structure has to be simplified.

Sapphire is the tangible demonstration of how it's possible to "downscale and adapt" the Solitaire theory to a less complex system, showing the real scientific significance of the results obtained in the Chario Loudspeakers Psychoacoustics Laboratory.

Eine Serie von Lautsprechern zu vervollständigen, indem ein Top-Down-Verlauf verfolgt wird, ist ein mit Schwierigkeiten gesäumter Weg, da nach und nach aufgrund der notwendigen Vereinfachung der Hardwarestruktur die Besonderheiten des ursprünglichen Projekts verloren gehen.

Academy Sapphire ist der fühlbare Beweis dafür, dass es möglich ist, die Theorie von Solitaire auf ein weniger komplexes System "abzustufen und anzupassen", und beweist so den realen wissenschaftlichen Bestand der im Labor für Psychoakustik von Chario Loudspeakers erhaltenen Ergebnisse.

Low Frequency Load

2-Port Back Vented

Configuration

3 Way

Drivers

1 Tweeter 32 mm SILVERSOFT dome
NeFeB magnet

2 Woofer-Mid 130 mm ROHACELL®
Full-Apex™ Poly-Ring NeFeB magnet
Differentiated Asymmetrical Chambers
Right Woofer-mid tuned @ 85 Hz
Left Woofer-mid tuned @ 75 Hz

Sensitivity

93 dB SPL normalized to 1 m /2.83 Vrms /
Pink Noise in IEC 268-13 compliant listening
room

Low Frequency Cut Off

75 Hz @ -3 dB referred to C4 WETS

Overlapping Points

800/900/1500 Hz

Rated Impedance

Modulus 4Ω (min 3.0) Argument ±36°

Speakers Positioning

Installed on own metal stand

Listening Distance

At least 2.5 m

Listening Layout

A carpeted floor in front of the speakers is
recommended

Side Walls

Symmetrically apart where possible

Suggested Amplifier

Rated for 150W/4Ω Average Power Max

Size (HxWxD)

240x560x370 mm

Weight

16 kg

Cabinet Finish

Solid wood and HDF

Stand

Weight 20 kg

Size (HxWxD) 590x550x500 mm

Finish Black painted

Packaging

Size (HxWxD): 390x650x490 mm

Pieces: 1

Weight: 18 Kg

Stand Packaging

Size (HxWxD): 455x870x380 mm

Pieces: 1

Weight: 22 Kg

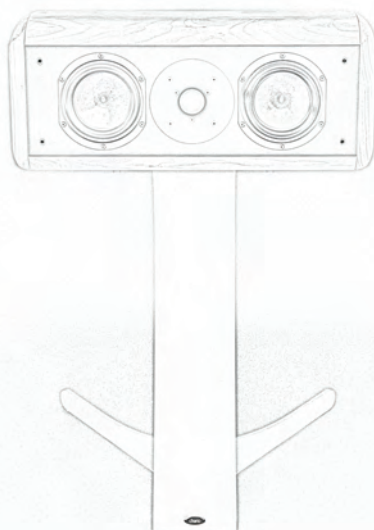
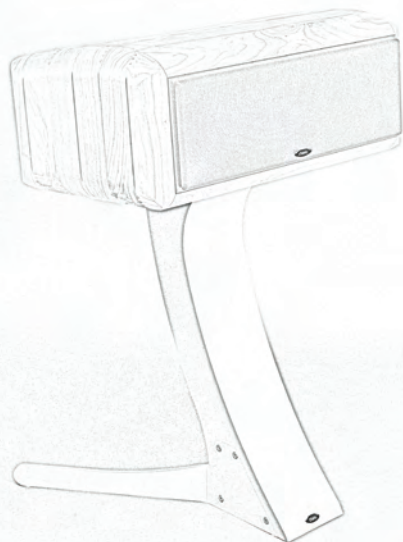
Prices (one piece)

Walnut, Cherry, Oak: 2.499,00 €

Stand Prices

Iron and HDF: 499,00 €

All prices are VAT Included



Academy Solitaire "S"



Sebbene ogni membro della famiglia Chario Academy sia un "unicum" nelle sua classe di appartenenza rispetto a qualsiasi altro sistema di altoparlanti consumer, per Solitaire è necessario abbandonare i criteri di valutazione ordinari.

La sua complessa teoria di funzionamento pone definitivamente Chario Loudspeakers ad un livello privilegiato di "non-shared know-how" in ambito di ricerca Psicoacustica.

Grazie a Solitaire la stereofonia multicanale non sarà più come prima ...

Although each member of the Chario Academy family is unique in its genre, as far as other consumer loudspeaker systems are concerned, normal assessment criteria have to be set aside for Solitaire.

Its complex operating theory definitively moves Chario Loudspeakers onto the "non-shared know-how" place in the Psychoacoustics research scenario.

Thanks to Solitaire, multi-channel stereophony will never be the same again ...

Obwohl jedes Mitglied der Chario Academy Familie ein Unikum in seiner Klasse gegenüber jedem anderen Endverbraucher-Lautsprechersystem darstellt, ist es notwendig, für Solitaire die üblichen Bewertungskriterien beiseite zu lassen.

Seine komplexe Funktionstheorie setzt Chario Loudspeakers definitiv auf ein privilegiertes Niveau des "non-shared know-how" im Bereich der psychoakustischen Forschung.

Dank Solitaire wird die Mehrkanal-Stereophonie nicht mehr so sein wie vorher ...

Low Frequency Load
4-Ports Back Vented

Configuration
5 Way

Drivers

1 Tweeter 32 mm SILVERSOFT™ dome
NeFeB magnet
2 Midranges 130 mm ROHACELL® with
Poly-Ring NeFeB magnet
Differentiated Asymmetrical Chambers with
Aperiodic Tunings
2 Woofers 130 mm ROHACELL®
Full-Apex™ Poly-Ring NeFeB magnet
Differentiated Asymmetrical Chambers
Right Woofer tuned @ 85 Hz
Left Woofer tuned @ 75 Hz

Sensitivity

90 dB SPL normalized to 1 m / 2.83 Vrms /
Pink Noise in IEC 268-13
compliant listening room

Low Frequency Cut Off

75 Hz @ -3 dB referred to C4 WETS

Overlapping Points

530/650/800/900/1500 Hz

Rated Impedance

Modulus 4Ω (min 3.0) Argument ±36°

Speakers Positioning

Installed on own metal stand

Listening Distance

Not less than 3.5 m

Listening Layout

A carpeted floor in front of the speakers is
recommended

Side Walls

Symmetrically apart where possible

Suggested Amplifier

Rated for 250W/4Ω Average Power Max

Size (HxWxD)

220x1120x420 mm

Weight

36 kg

Cabinet Finish

Solid wood and HDF

Stand

Weight 20 kg

Size (HxWxD): 590x750x500 mm

Finish Black painted

Packaging

Size (HxWxD): 400x1240x560 mm

Pieces: 1

Weight: 38 Kg

Stand Packaging

Size (HxWxD): 375x895x595 mm

Pieces: 1

Weight: 30 Kg

Prices (one piece)

Walnut, Cherry, Oak: 4.990,00 €

Stand Prices

Iron and HDF: 705,00 €

All prices are VAT Included

