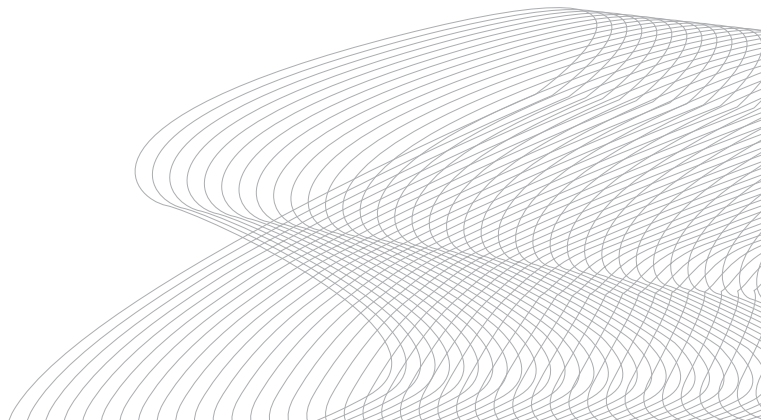
STARKE SOUND

HALO

STARKE

HALO SERIES

Owner's Manual



STARKE SOUND

Starke Sound Inc.
17810 S.Main St., Suite B, Gardena, CA 90248 starkesound.com

A New Approach to High-end

At Starke Sound, we believe high-end audio should be about musical enjoyment, not luxury statements. The new Halo series embodies this philosophy - where every innovation serves the soul of music, not the ego of ownership.

Our approach combines cutting-edge technology with purposeful design. We've challenged conventional wisdom by focusing on what truly matters: the pure, emotional connection between listeners and their music. The Halo series isn't engineered to win specification wars or showcase exotic materials; it's created for music lovers who seek authentic musical experiences.

Every component in the Halo series is chosen for performance, not prestige. From our meticulously designed first-order crossovers to our precisely engineered drivers, each element serves a clear purpose in delivering exceptional sound quality. This isn't about following traditional high-end formulas - it's about pioneering new paths to acoustic excellence.

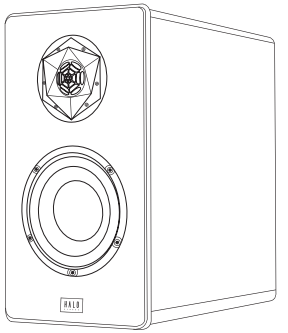
What sets Halo apart isn't just what we've added, but what we've eliminated. Gone are the unnecessary complexities and excessive components that often inflate prices without enhancing performance. Instead, you'll find purposeful innovation, precision engineering, and an unwavering focus on musical truth.

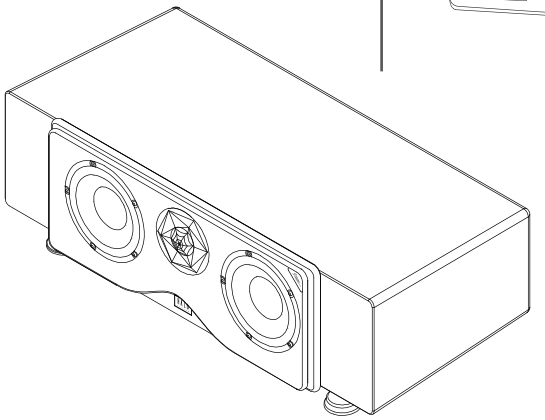
The result? A high-end system that reconnects listeners with the heart of music. No distractions, no compromises - just pure, engaging sound that reminds us why we fell in love with music in the first place.

Experience the new Halo series - where technology serves the soul of music, and excellence is measured by emotional impact, not price tags.

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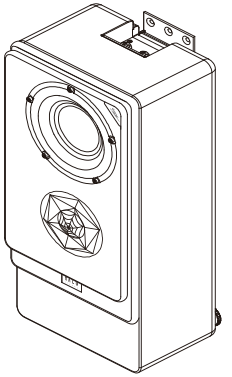
M1
Main speaker
-01-





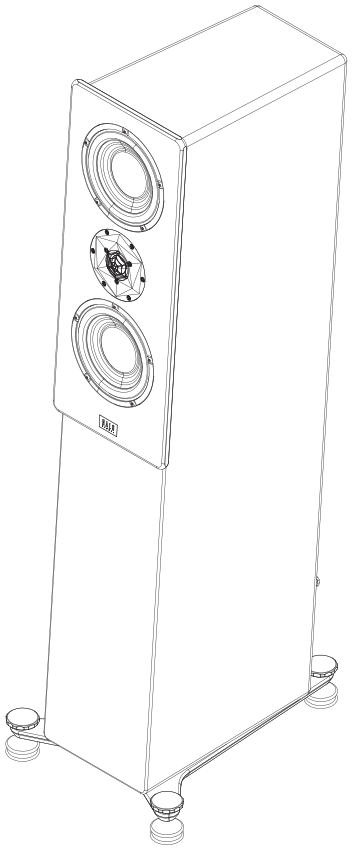
C2
Center Speaker
-05-

W1
Main/Surround Speaker
-09-



M2

Main speaker



M1

Pure Musical Emotions, Rediscovered

The M1 is the inaugural masterpiece of Starke Sound's new HALO series, a speaker that flawlessly embodies our vision of "pure musical connection." With an unwavering dedication to detail, it merges groundbreaking innovation with the essence of music, setting a new benchmark for high-end audio.

At the heart of the M1 lies a seamless fusion of advanced materials and exceptional engineering. It features the Diamaze28™ Be Tweeter, delivering exquisitely refined highs, and the MaxCarbon65™ Woofer, offering expansive and richly textured low-frequency extension. These state-of-the-art drivers are harmoniously integrated through a premium-grade first-order crossover, ensuring low distortion and perfect phase coherence. The result is an awe-inspiring musical texture and immersive soundstage.

The M1 also introduces a pioneering design foundation, combining the Rogrid™ Aluminum Frame with a reinforced aluminum cabinet. This synergy provides unmatched structural stability and acoustic precision. The robust metal frame eliminates unwanted vibrations, allowing every note to flow with purity and authenticity.

"Silent Night: The Warrior's Solitude"

Beneath the luminous moon, a lone warrior stands atop the mountain. His Samurai Black armor, a silent silhouette, gleams faintly with Lunar White.

At his feet, the Ember Noir stirs in the dying fire. The red glow flickers softly, embers swaying like fleeting spirits, their gentle dance carried by the night breeze.

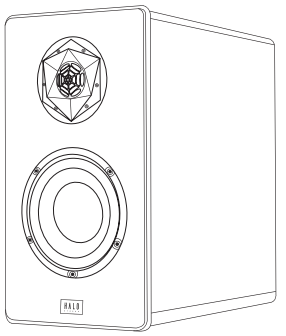
Dark, Soul, Dance.

In this timeless moment, everything feels suspended. The warrior's thoughts, untethered from the world below, drift between moon and flame. It becomes a dialogue—moonlight spreading its calm radiance, firelight responding in restless motion. Eternity brushes against the fleeting, intertwined in a fragile, timeless moment.

Samurai Black

Lunar White

Ember Noir

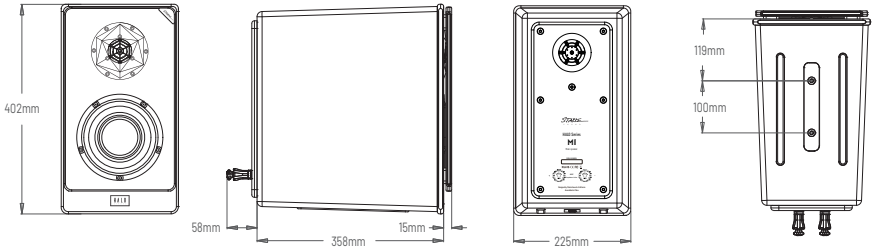


Main Specs

Max SPL output(1m)	112dB
Frequency response (±2dB)	33.5Hz-28 kHz
Recommended amplifier power	50 - 500W
Nominal impedance	4 ohms
Sensitivity (2.83v at 1m)	89dB
Drivers	Diamaze28™ Be: 28mm(1.15 inch) MaxCarbon65™: 165mm(6.5 inch)
Finish	Aluminum and Piano Lacquer
Color options	Samurai Black/Lunar White/Ember Noir

Sizes and Weights

Full size	H 15.8 x W 8.9 x D 16.4 inches (without grill) H 15.8 x W 8.9 x D 17 inches (with grill) H 402 x W 225 x D 416 mm (without grill) H 402 x W 225 x D 431 mm (with grill)
Weight	30.2lbs (13.7kg)
Shipping size	L 20.2 x W 13.7 x H 20.3 inches L 512 x W 349 x H 515 mm
Shipping weight	38.8 lbs (17.6kg)



C2

The Voice of Cinema

Key Features

M1: Higher-end sound at a quarter price

• **Diamaze28™ Be**: Sweet, pure highs with enlarged beryllium tweeter diaphragm.

• **MaxCarbon65™**: Real-world dynamics powered by a large carbon-ceramic dome Woofer.

• **Rogrid™** structure: Remarkably solid cabinet that eliminates box coloration.

• **PhaseAlign™** Crossover: Phase-accurate, delivering refined and natural sound.

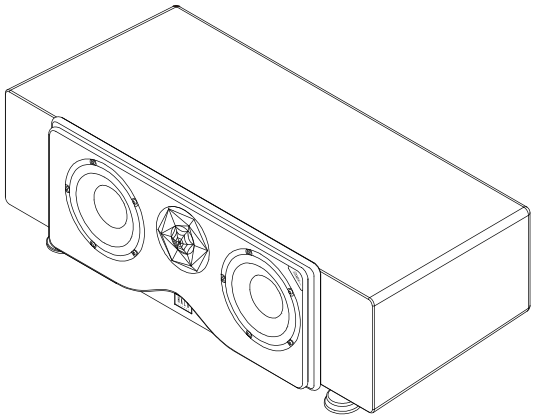
The Voice of Cinema, Redefined.

C2, the core masterpiece of the HALO series, is born for cinema. It brings clarity, authenticity, and emotional depth to multi-channel systems. Every dialogue, every melody feels more alive with C2. It is the soul of sound, making every listening experience complete and deeply moving.

C2 features the same high-performance drivers as the M1, mastering the art of reproducing natural vocals and lifelike ambiance. The Diamaze28™ Be Tweeter unveils unprecedented detail; dual MaxCarbon65™ mid-bass drivers infuse sound with power while maintaining harmonious balance. C2 doesn't just let you hear it—it lets you feel it.

Continuing the signature design of the HALO series, C2's aluminum-reinforced cabinet provides a solid foundation for sound excellence. The Rogrid™ aluminum Frame ensures exceptional structural stability, eliminating unwanted vibration and faithfully preserving the purity of each note. Whether paired with the M1 or the upcoming M3, C2 is the solid anchor of any multi-channel cinema system, creating a dedicated cinematic experience just for you.

C2 is more than just a center channel speaker. It is the bridge between picture and sound, the perfect blend of emotion and technology. Every movie becomes more captivating, every moment more meaningful. This is how we redefine "The Voice of Cinema".

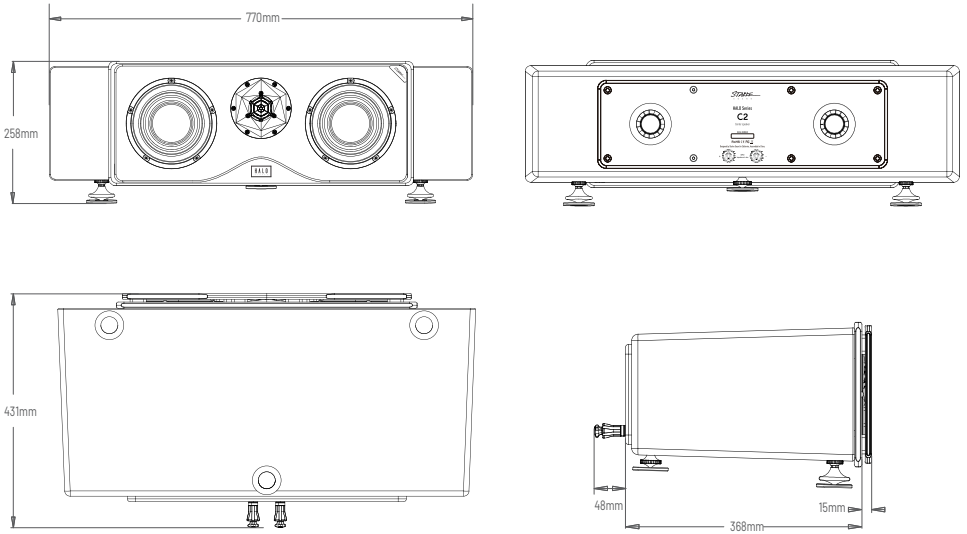


Main Specs

Max SPL output(1m)	115dB
Frequency response (±2dB)	33.5Hz-28 kHz
Recommended amplifier power	80 - 500W
Nominal impedance	4 ohms
Sensitivity (2.83v at 1m)	90dB
Drivers	Diamaze28™ Be: 28mm(1.15 inch) MaxCarbon65™: 165mm(6.5 inch) x 2
Finish	Aluminum and Piano Lacquer
Color options	Samurai Black/Lunar White/Ember Noir

Sizes and Weights

Full size	H 10.2 x W 30.3 x D 16.4 inches (with spikes, without grill) H 10.2 x W 30.3 x D 17 inches (with spikes, with grill) H 258 x W 770 x D 416 mm (with spikes, without grill) H 258 x W 770 x D 431 mm (with spikes, with grill)
Weight	51.6 lbs(23.4kg)
Shipping size	L 36 x W 20.1 x H 13.1 inches L 912 x W 510 x H 332mm
Shipping weight	63.3 lbs (28.7kg)



Key Features

C2: One Speaker, an Army of Sound

•Equipped with the same **Diamaze28™ Be** tweeter and **MaxCarbon65™** mid-bass driver as the M1.

•Similar **Rogrid™** structure, delivering exceptional stability.

•ZeroR **PhaseAlign™** Crossover: No resistive components, ensuring unmatched signal purity.

W1

Sleek. Emotional. Immersive

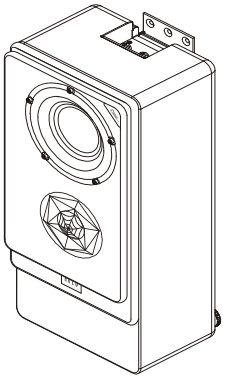
W1 is the first on-wall speaker in the HALO Gen3 series. Combining elegant design with outstanding sound performance, it fits seamlessly into any space. Whether as a surround speaker or a standalone unit, W1 delivers rich, natural sound that fills every corner.

Equipped with the Diamaze28™ Beryllium Tweeter, W1 produces crystal-clear highs, revealing the finest musical details. The MaxCarbon65™ Woofer adds smooth and powerful audio, ensuring every dialogue and bass note feels authentic and natural.

With its slim body crafted from dual aluminum panels reinforced by the Rogrid™ aluminum frame, W1 delivers stability while minimizing vibration. Its compact size sacrifices nothing in sound quality, achieving a perfect balance of robust performance and elegant design.

Whether used as a standalone speaker or part of a multi-channel system, W1 excels in every configuration. Seamlessly pairing with other HALO series speakers, it creates a truly immersive, cinema-grade experience in your home.

This is sound, reimagined. This is W1.

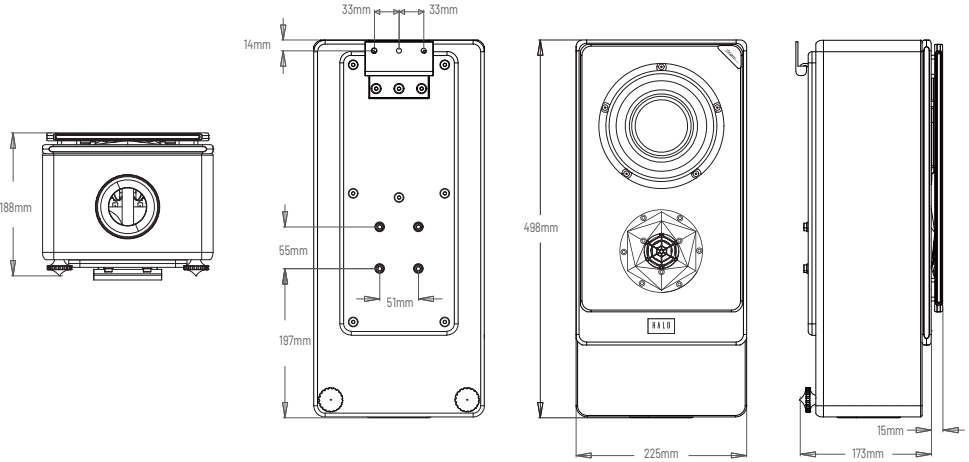


Main Specs

Max SPL output(1m)	112dB
Frequency response (±2dB)	40Hz-28 kHz
Recommended amplifier power	50 - 500W
Nominal impedance	4 ohms
Sensitivity (2.83v at 1m)	89dB
Drivers	Diamaze28™ Be: 28mm(1.15 inch)
	MaxCarbon65™: 165mm(6.5 inch)
Finish	Aluminum and Piano Lacquer
Color options	Samurai Black/Lunar White/Ember Noir

Sizes and Weights

Full size	H 19.6 x W 8.9 x D 6.8 inches (with spikes, without grill)
	H 19.6 x W 8.9 x D 7.4 inches (with spikes, with grill)
	H 498 x W 225 x D 173 mm (with spikes, without grill)
	H 498 x W 225 x D 188 mm (with spikes, with grill)
Weight	25.4 lbs (11.5kg)
Shipping size	L 25.2 x W 12.9 x H 11.3 inches
	L 639 x W 327 x H 287mm
Shipping weight	32 lbs (14.5kg)



Key Features

W1: To be the most beautiful on-wall speaker

- Impressive performance with the same driver and crossover configuration as the M1.
- Ultra-stable **Rogrid™** structural cabinet.
- Slim design offering exceptional flexibility for wall-mounted installations.

M2

Reference Floorstanding Loudspeaker

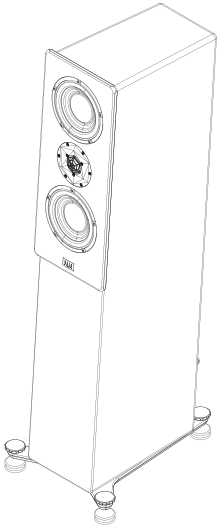
COMMANDING PRESENCE, PURE EMOTION

Expanding the boundaries of scale, depth, and dynamic truth.

The M2 is the first floorstanding loudspeaker in Starke Sound's new HALO series—a flagship design created to bring HALO's pursuit of pure musical connection to a more commanding scale. While inspired by the foundation established by the M1, the M2 opens the next chapter in HALO's acoustic journey: a loudspeaker engineered to deliver greater presence, deeper bass extension, and effortless dynamic authority, making music music feel vividly alive.

At the heart of the M2 is a meticulously engineered MTM driver array featuring the **Diamaze28™ Be** Tweeter flanked by **Dual MaxCarbon65™** Woofers. This architecture reproduces delicate high frequencies with crystalline finesse, preserves the natural, organic texture of the midrange, and delivers low frequencies with immense weight, control, and physical impact. Seamlessly integrated through the AccuPhase™ Crossover, the M2 ensures ultra-low distortion, controlled dispersion, and an expansive, deeply immersive three-dimensional soundstage.

Carrying forward HALO's signature structural design, the M2 pairs the **Rogrid™** Aluminum Frame with a reinforced acoustic cabinet, finished in our bespoke **TrueChrome™** piano lacquer. This robust synergy eliminates cabinet coloration, allowing the M2 to reveal every nuance with breathtaking scale, precision, and emotional truth.

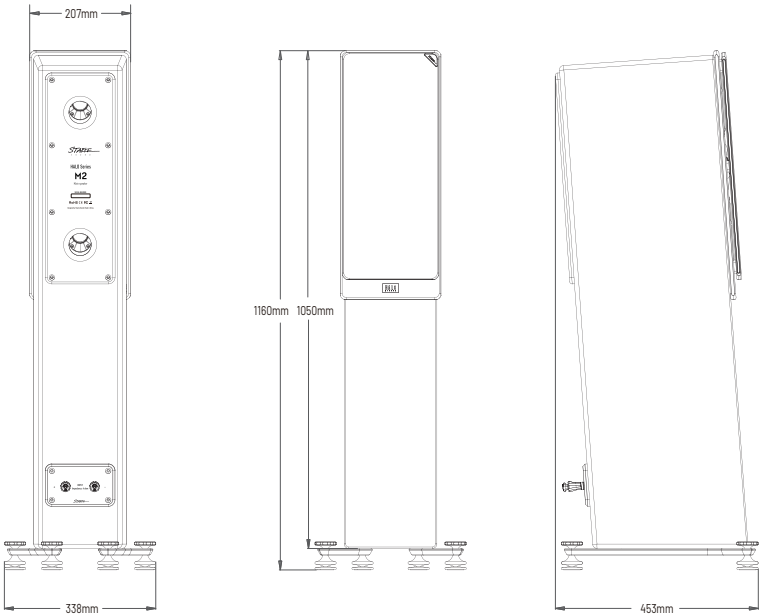


Main Specs

Max SPL output(1m)	115dB
Frequency response (±2dB)	32Hz-28 kHz
Recommended amplifier power	80 - 500W
Nominal impedance	4 ohms
Sensitivity (2.83v at 1m)	90dB
Drivers	Diamaze28™ Be: 28mm (1.15 inch) MaxCarbon65™: 165mm (6.5 inch) x 2
Finish	Aluminum and Piano Lacquer
Color options	Samurai Black/Lunar White/Ember Noir

Sizes and Weights

Full size	H 45.7 × W 13.3 × D 17.8 inches (with spikes, with grill) H 1160 x W 338 x D 453 mm (with spikes, with grill)
Weight	93.3 lbs (42.3kg)
Shipping size	L 49.7 × W 20.3 × H 14.7 inches L 1262 × W 516 × H 372 mm
Shipping weight	97.9 lbs (44.4kg)



Key Features

- **Diamaze28™ Be Diamond-Facet Beryllium Tweeter**
  Features an enlarged 28mm pure beryllium diaphragm to deliver sweet, airy, and ultra-extended high frequencies with micro-dynamic resolution and zero harshness.
- **Dual MaxCarbon65™ Carbon-Ceramic Dome Woofers**
  Symmetrically arranged dual carbon-ceramic drivers unleash visceral bass impact, lightning transients, and expansive low-frequency scale with total authority.
- **AccuPhase™ MTM Crossover Topology**
  Optimized for the symmetrical driver array to ensure perfect vertical phase coherence, wide horizontal dispersion, and precise holographic imaging.
- **Full-Length Rogrid™ Aluminum Framework**
  Extended heavy-duty aluminum exoskeleton with zero-rigid-contact architecture, firmly anchoring the floorstander to extinguish all cabinet resonance.
- **TrueChrome™ Piano Lacquer Finish**
  Hand-polished across multiple layers to create a deep, glass-like reflection that accentuates the tall, commanding silhouette of the flagship cabinet.

Halo series

Manual Specs

	M1	C2
Max SPL output (1m)	112dB	115dB
Frequency response (±2dB)	33.5Hz-28 kHz	33.5Hz-28 kHz
Recommended amplifier power	50 - 500W	80 - 500W
Nominal impedance	4 ohms	4 ohms
Sensitivity (2.83v at 1m)	89dB	90dB
Drivers	28mm (1.15 inch) 165mm (6.5 inch)	28mm (1.15 inch) 165mm (6.5 inch) x 2
Tweeter	**Diamaze28™ Be** 28mm Beryllium Tweeter with Enhanced Acoustic Chamber, Wide Frequency Response	**Diamaze28™ Be** 28mm Beryllium Tweeter with Enhanced Acoustic Chamber, Wide Frequency Response
Woofer	**MaxCarbon65™** 6.5-inch Carbon Fiber Sandwich Cone, 3-inch Copper-Clad Aluminum Flat Wire Voice Coil, Symmetrical Magnetic Circuit Design with NeoPower™.	**MaxCarbon65™** 6.5-inch Carbon Fiber Sandwich Cone, 3-inch Copper-Clad Aluminum Flat Wire Voice Coil, Symmetrical Magnetic Circuit Design with NeoPower™.
Cabinet Structure	**Rogrid™** Aluminum Rod-Reinforced Frame Structure, Ported Enclosure Design	**Rogrid™** Aluminum Rod-Reinforced Frame Structure, Ported Enclosure Design
Input terminals	HL301 binding posts, 1 pairs Torque-Pressure Sensing Speaker Terminals Banana plug, Y plug and bare wire supported	HL301 binding posts, 1 pairs Torque-Pressure Sensing Speaker Terminals Banana plug, Y plug and bare wire supported
Crossover	2-way first-order **PhaseAlign™** Crossover	2-way first-order ZeroR **PhaseAlign™** Crossover
Crossover points	2000 Hz	2000 Hz
Grille	Lacquered wooden structure with fabric overlay, reinforced by an aluminum alloy framework.	Lacquered wooden structure with fabric overlay, reinforced by an aluminum alloy framework.
Finish	Aluminum and **TrueChrome™** Piano Lacquer	Aluminum and **TrueChrome™** Piano Lacquer
Color options	Samurai Black/Lunar White/Ember Noir	Samurai Black/Lunar White/Ember Noir
Full size (H x W x D)	15.8 x 8.9 x 16.4 inches (without grill) 15.8 x 8.9 x 17 inches (with grill) 402 x 225 x 416 mm (without grill) 402 x 225 x 431 mm (with grill)	10.2 x 30.3 x 16.4 inches (with spikes, without grill) 10.2 x 30.3 x 17 inches (with spikes, with grill) 258 x 770 x 416 mm (with spikes, without grill) 258 x 770 x 431 mm (with spikes, with grill)
Weight	30.2lbs(13.7kg)	51.6 lbs(23.4kg)
Shipping size (L x W x H)	20.2 x 13.7 x 20.3 inches 512 x 349 x 515 mm	36 x 20.1 x 13.1 inches 912 x 510 x 332 mm
Shipping weight	38.8 lbs (17.6kg)	63.3 lbs (28.7kg)
Warranty	8 years (from original purchase date)	8 years (from original purchase date)

	W1	M2
Max SPL output (1m)	112dB	115dB
Frequency response (±2dB)	40Hz-28 kHz	32Hz-28 kHz
Recommended amplifier power	50 - 500W	80 - 500W
Nominal impedance	4 ohms	4 ohms
Sensitivity (2.83v at 1m)	89dB	90dB
Drivers	28mm (1.15 inch) 165mm (6.5 inch)	28mm(1.15 inch) 165mm(6.5 inch) x 2
Tweeter	**Diamaze28™ Be** 28mm Beryllium Tweeter with Enhanced Acoustic Chamber, Wide Frequency Response	**Diamaze28™ Be** 28mm Beryllium Tweeter with Enhanced Acoustic Chamber, Wide Frequency Response
Woofer	**MaxCarbon65™** 6.5-inch Carbon Fiber Sandwich Cone, 3-inch Copper-Clad Aluminum Flat Wire Voice Coil, Symmetrical Magnetic Circuit Design with NeoPower™.	**MaxCarbon65™** 6.5-inch Carbon Fiber Sandwich Cone, 3-inch Copper-Clad Aluminum Flat Wire Voice Coil, Symmetrical Magnetic Circuit Design with NeoPower™.
Cabinet Structure	**Rogrid™** Aluminum Rod-Reinforced Frame Structure, Ported Enclosure Design	**Rogrid™** Aluminum Rod-Reinforced Frame Structure, Ported Enclosure Design
Input terminals	HL301 binding posts, 1 pairs Torque-Pressure Sensing Speaker Terminals Banana plug, Y plug and bare wire supported	HL301 binding posts, 1 pairs Torque-Pressure Sensing Speaker Terminals Banana plug, Y plug and bare wire supported
Crossover	2-way first-order **PhaseAlign™** Crossover	2-way first-order **PhaseAlign™** Crossover
Crossover points	2000 Hz	2000 Hz
Grille	Lacquered wooden structure with fabric overlay, reinforced by an aluminum alloy framework.	Lacquered wooden structure with fabric overlay, reinforced by an aluminum alloy framework.
Finish	Aluminum and **TrueChrome™** Piano Lacquer	Aluminum and **TrueChrome™** Piano Lacquer
Color options	Samurai Black/Lunar White/Ember Noir	Samurai Black/Lunar White/Ember Noir
Full size (H x W x D)	19.6 x 8.9 x 6.8 inches (with spikes, without grill) 19.6 x 8.9 x 7.4 inches (with spikes, with grill) 498 x 225 x 173 mm (with spikes, without grill) 498 x 225 x 188 mm (with spikes, with grill)	45.7 × 13.3 × 17.8 inches (with spikes, with grill) 1160 x 338 x 453 mm (with spikes, with grill)
Weight	25.4 lbs (11.5kg)	93.3 lbs (42.3kg)
Shipping size (L x W x H)	25.2 x 12.9 x 11.3 inches 639 x 327 x 287 mm	49.7 × 20.3 × 14.7 inches 1262 × 516 × 372 mm
Shipping weight	32 lbs (14.5kg)	97.9 lbs (44.4kg)
Warranty	8 years (from original purchase date)	8 years (from original purchase date)

IMPORTANT SAFETY INSTRUCTIONS
PLEASE READ CAREFULLY

The exclamation mark represented in an equilateral triangle is intended to alert users to the existence of important instructions in the user manual relating to the use and maintenance of the device.

1. Please read these instructions thoroughly.
2. Keep these instructions for future reference.
3. Please take all warnings into careful consideration.
4. Follow all instructions precisely.
5. Do not use this device near water.
6. Clean only with a soft, dry cloth.
7. Position your loudspeakers away from heat sources such as radiators, stoves, heat registers, or any other devices (including amplifiers) that produce heat.
8. Only use attachments, stands, tripods, brackets or tables recommended by Starke Sound or those supplied with the product. When using a cart or rack, please exercise caution when moving the equipment to avoid injury from tip-over.



9. Please refer all servicing to qualified service personnel. Servicing is required when the device has been damaged in any way, such as 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.
10. To prevent risk of injury, please use only accessories recommended by Starke Sound.
11. Never insert any object into the ventilation openings on the device. Such objects may contact high-voltage components or cause a short circuit that could result in fire or electric shock. Never spill any liquid on the device.
12. Please do not attempt to service this product yourself. Opening or removing covers may expose you to dangerous voltages or other hazards. For all service matters, please contact qualified Starke Sound service personnel.
13. When replacement parts are required, please ensure the service technician uses replacement parts specified by Starke Sound or those having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
14. Following any service or repairs to this device, please ask the service technician to perform safety checks to determine that the product is in proper operating condition.
15. The device should not be mounted to a wall or ceiling unless specifically designed for such installation by Starke Sound.
16. To protect your hearing, please avoid prolonged listening at excessive volume levels. Extended exposure to high volume sound reproduction can cause permanent hearing damage. Listening at high volumes (above 85dB) for more than one hour may result in irreversible hearing impairment.



17. Your Starke Sound loudspeakers utilize a tweeter with an inverted dome crafted from pure beryllium. While beryllium is completely safe in its solid form, we recommend these precautions:

- The beryllium dome should never come into contact with abrasive materials.

- If the beryllium dome becomes damaged, please immediately apply the protective adhesive strip provided to cover the entire dome surface. This adhesive strip can be found in the plastic packet containing the documentation for the pure beryllium inverted dome tweeter.

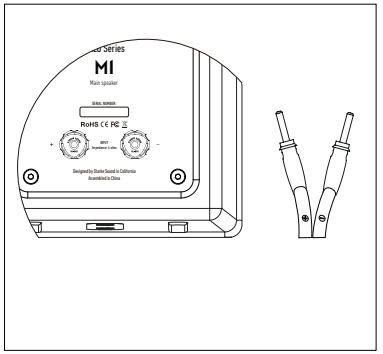
- Please contact your authorized Starke Sound dealer to have the tweeter professionally replaced by trained personnel.

- In the unlikely event that the dome breaks, carefully collect any beryllium particles using adhesive tape, place them in a sealed plastic bag, and return them to your dealer along with the loudspeaker.

- For more detailed information, please consult the safety manual included in your product packaging. For any questions or after-sales service, we invite you to contact us at: **service@starkesound.com**

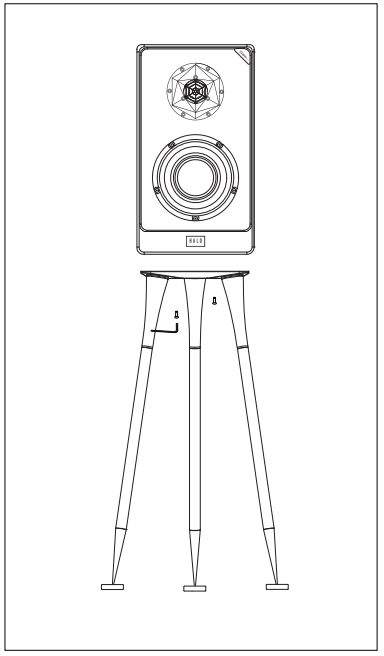
Thank you for choosing Starke Sound for your listening experience.

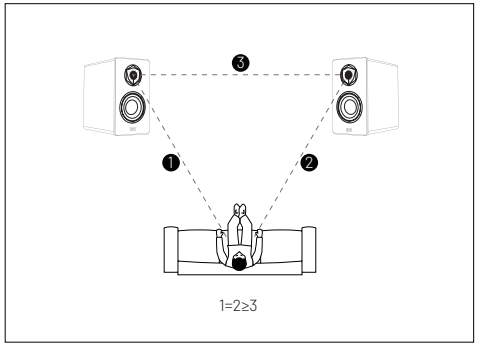
Connections



Halo HL301 connectors deliver reliable, versatile connectivity for stripped cables (up to 6mm diameter), fork terminals, or banana plugs. These premium terminals feature innovative torque-pressure sensing technology that ensures optimal pressure and contact quality by detecting the precise torque applied during connection.

Always observe proper polarity when connecting your loudspeakers. The terminal marked "+" must connect to the positive output on your amplifier, while the terminal marked "–" must connect to the negative output (fig. A). Stereo imaging and bass response will be significantly compromised if these connections are reversed. Use high-quality cables with appropriate gauge for your cable run length; your Starke Sound dealer can provide expert recommendations.





Stereo Positioning

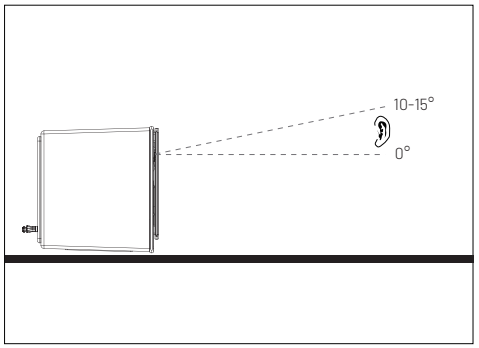
Starke Sound loudspeakers are engineered to faithfully reproduce all music genres and home cinema content. Following these guidelines will help optimize their performance for exceptional tonal balance and realistic soundstaging:

Position your loudspeakers symmetrically facing the listening area, ideally forming an equilateral triangle. These distances can be adjusted to accommodate your room's layout while maintaining optimal sound quality.

Securing the HALO M1 Bookshelf Loudspeaker to a Stand

The M1 loudspeaker can be securely attached to either the Stand3s or StandB models using the provided hardware. Each stand comes with two M6 screws that align perfectly with the two M6 threaded inserts on the bottom of the speaker.

Ensure the M1 loudspeaker remains stable throughout the mounting process to prevent falls. The speaker must be firmly secured to the stand with properly tightened screws for optimal safety and performance.

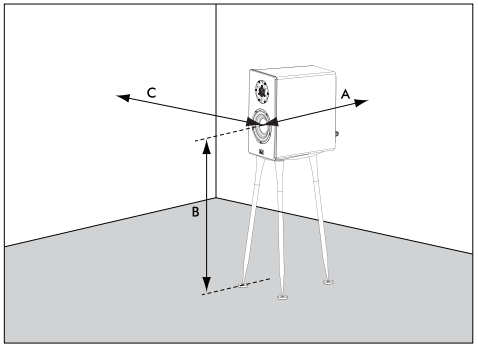


Mount the loudspeakers at identical heights in the same horizontal plane. For ideal performance, the tweeter should align with the listener's ear height in the primary listening position.

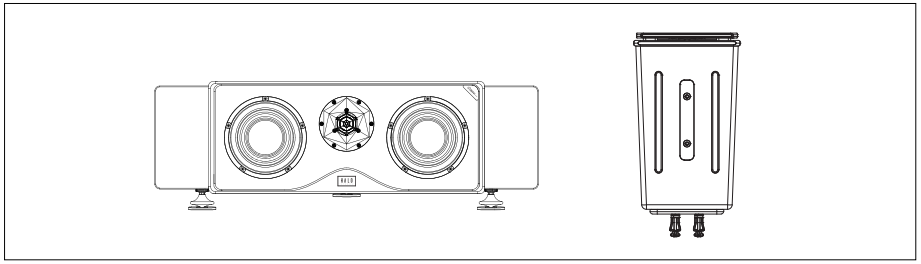
Avoid placing loudspeakers too close to room corners or walls, as this can create unwanted resonances and artificially boost bass response. If bass seems insufficient, carefully move the speakers closer to walls to achieve proper bass balance.

Optimization

For audiophiles seeking perfect placement, consider this formula:
If A represents the distance from the woofer center to the nearest wall or floor, B is the distance to the next closest boundary, and C is the greatest distance (A < B < C), the equation $B^2 = AC$ determines ideal speaker placement.



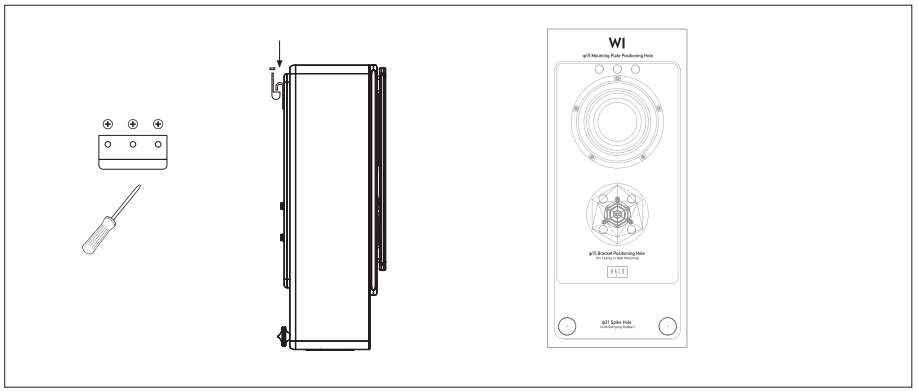
• **Example:**
With the woofer center 24" (60cm) above the floor (A) and 28" (72cm) from the side wall (B), the ideal distance to the rear wall would be 32.7" (83cm) [$C = B^2/A = 32.7"$ (83cm)].



HALO Speakers： Spikes, Mounts & Pads

Starke Sound center channel and on-wall loudspeakers feature precision-engineered adjustable decoupling feet that ensure perfect stability on any surface. These sophisticated adjusters compensate for uneven platforms or wall mountings, guaranteeing all contact points maintain firm, consistent pressure for optimal acoustic performance and structural stability.

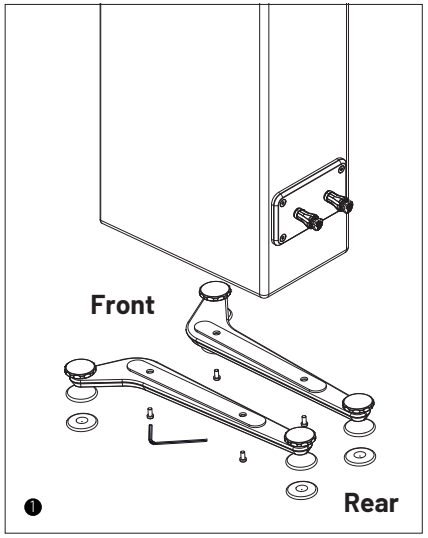
M1 bookshelf speakers come with premium silicone isolation pads that provide both protection and acoustic benefits. Before placing your speakers on furniture or shelving, make sure these specially designed pads are in position to prevent surface scratching while simultaneously minimizing unwanted vibration transfer between the speaker and supporting surface.



Mount the W1 Speakers to Your Wall

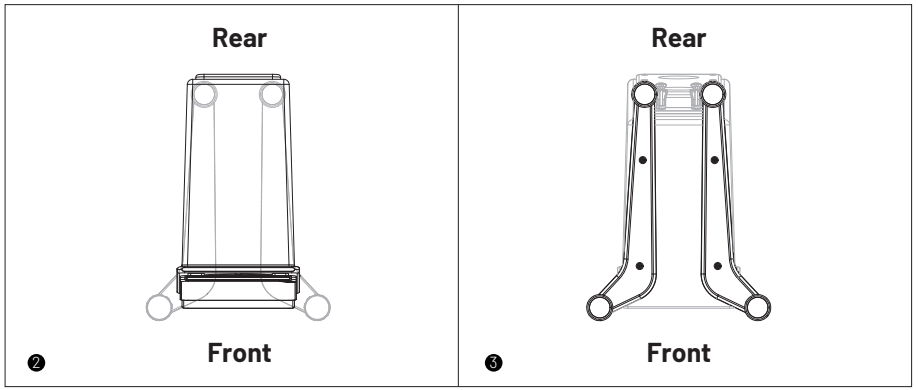
The W1 packaging includes a full-sized reference template that shows the actual dimensions of the speaker and precise positions for wall bracket mounting holes, along with recommended screw sizes.
Select an appropriate drill bit size and use a power drill to create holes at the marked positions on your wall. Then secure the wall mounting portion of the bracket using screws of the recommended size. Take special care to ensure the wall bracket is perfectly level.

Once you've confirmed the speaker is securely mounted, you can use the adjustment spikes on the rear of the speaker to fine-tune its angle. For optimal stability and performance, ensure both spikes maintain firm contact with the wall surface.



Installing the Outrigger Feet on the HALO M2 Floorstanding Loudspeaker

Each HALo M2 floorstanding loudspeaker includes a pair of precision-machined solid aluminum outrigger feet equipped with isolation spikes. The required mounting hardware–**four M hex socket screws per speaker (eight M6 screws total for a pair)** and an Allen hex key-is included in the accessory pack.



Installation Steps:

1. Orientation Check:
- Please note that the front and rear outrigger feet are direction-specific and designed to match the speaker's acousticalignment and aesthetic contour. Carefully refer to **Figure 1, Figure 2, and Figure 3** to verify the correct orientation of each footprior to installation.

2. Mounting the Feet:
- With the speaker resting safely (t is recommended to lay the speaker gently ona soft, clean surface or carpet, align the mounting holes on the feet with the **M6 threaded inserts** on the bottom of the cabinet.

3. Fastening:
- Using the included Allen hex key, secure each foot with two **M6 hex socket screws** (four screws per speaker). Ensure allscrews are firmly tightened to eliminate cabinet resonance, ensure physical stability, and optimize acoustic performance

Caution:
The HALO M2 is a substantial floorstanding loudspeaker. To prevent accidental tipping, personal injury, or damage to the cabinetfinish, handle with care throughout the assembly process. We strongly recommend having two people perform the installation.Ensure the speaker is placed on a level, stable surface before leveling the spikes.

Disclaimer:

The illustrations of products, accessories, and user interfaces in this manual are schematic diagrams for reference only. There may be slight differences between the actual product and the illustrations. Please refer to the actual product. This manual is published by the brand owner and may make necessary changes to correct any printing errors or inaccurate information in this manual without prior notice.

Version: V1.1

HALO Speaker Multi-Channel Placement: Center and Surround Positioning

Center Channel Placement
The Starke Sound Center loudspeaker should be positioned near the display for realistic dialogue reproduction. With standard projection screens, place the center channel directly below the screen for optimal performance. With acoustically transparent perforated screens, the center speaker may be positioned behind the lower half of the screen.

Surround Speaker Placement
Surround speakers should be positioned according to official guidelines from Dolby, DTS, and Auro-3D standards:

5.1 Configuration
Place surround speakers slightly behind the listening position at 110-120 degrees relative to the center channel, ideally at ear level when seated or slightly above.

7.1 Configuration
Position side surround speakers at 90-100 degrees from the center channel, with rear surround speakers at 135-150 degrees. Maintain consistent height between all surround speakers for cohesive sound field.

Dolby Atmos Configuration
Ground-level speakers follow traditional 5.1/7.1 placement, while height channels should be installed in the ceiling or as up-firing modules. Ceiling speakers are typically positioned in pairs (2.1.2, 5.1.2, 7.1.2) or in multiples of four (5.1.4, 7.1.4) according to Dolby Atmos specifications for optimal immersive audio reproduction.

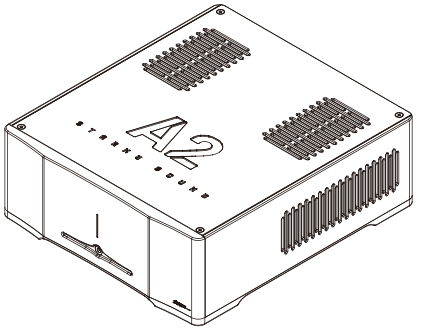
For precise measurements and room-specific adjustments, please consult the official documentation from Dolby, DTS, or Auro-3D.

Choosing the Right Amplifier

Loudspeaker damage typically results from insufficient amplifier power rather than excess power. When volume is pushed too high, an underpowered amplifier produces distortion that can damage tweeters. The exceptional dynamic capability and resolution of Starke Sound loudspeakers will reveal both strengths and limitations of connected electronics.

For optimal performance with HALO series loudspeakers, we highly recommend pairing them with Starke Sound's own premium amplifiers. The A+AB platform amplifiers—specifically the A2, A3, and A8 models—have been meticulously engineered to complement the sonic characteristics of HALO speakers, delivering an exceptional listening experience with perfect synergy between amplification and speaker design.

Your Starke Sound dealer can help select an amplifier that complements your preferences and budget.



Recommendations for Use

Your loudspeakers' performance depends on room acoustics, speaker placement, and listener position. Fine-tuning these elements can enhance your listening experience.

If stereo imaging seems imprecise or poorly centered: try positioning the speakers closer together and/or angling them more directly toward the listening position.

If sound appears harsh or aggressive: your room may be too reverberant. Consider incorporating sound-absorbing materials (carpets, upholstered furniture, tapestries, curtains) and sound-diffusing elements (varied furniture pieces) to manage resonances.

If sound seems flat or constrained: your room may have excessive acoustic absorption. Seek balance between absorptive and reflective surfaces for optimal sound reproduction.

Generally, maintain a somewhat reflective wall behind the speakers to allow proper sound development. The wall behind the listening position should ideally incorporate absorptive materials to prevent reflections that could compromise stereo imaging.

Strategic furniture placement along side walls helps diffuse sound waves and prevents exciting specific frequency ranges, particularly in the midrange (eliminating flutter echoes).

Break-in Period

Starke Sound loudspeakers utilize sophisticated driver components that require time to reach optimal performance and acclimate to your room's temperature and humidity. This break-in period varies with environmental conditions and may extend several weeks. To expedite this process, we recommend operating your loudspeakers for approximately twenty consecutive hours at moderate volume. Once fully stabilized, you'll experience the complete sonic potential of your Starke Sound loudspeakers.

Special Precautions

Starke Sound loudspeakers require minimal maintenance—simply dust with a dry cloth. For more thorough cleaning, use a slightly damp cloth.

Never use solvents, detergents, alcohol-based or corrosive products, scrapers, or abrasive materials on any loudspeaker surface.

Keep all loudspeakers away from heat sources.

Warranty Conditions

All Starke Sound loudspeakers are covered by warranty through your authorized Starke Sound distributor. Your distributor can provide complete warranty details. Coverage extends at minimum to the legal warranty requirements in the country where the original purchase invoice was issued.

Environmental Disposal Notice

The symbol on this product indicates that it should not be disposed of with regular household waste. Please follow your local regulations for electronic waste disposal by taking it to a designated collection facility for electronic waste, or returning it to a retailer when purchasing a similar product.



In many regions, manufacturers have paid recycling fees to promote environmentally responsible processing of these products. Proper disposal contributes to resource reuse and recycling, minimizes environmental and health impacts, and helps avoid potential penalties for incorrect disposal.

Please consult your local waste management authorities for specific disposal requirements applicable to your region.