

The image features a large, dark, dome-shaped speaker component in the background. In the foreground, there is a black rectangular subwoofer with two silver control knobs on its right side. Surrounding the subwoofer are four smaller, cylindrical satellite speakers with silver-colored tops and black mesh grilles. The entire setup is presented against a plain, light gray background.

INTRODUCING OMNISAT.
SO REVOLUTIONARY IT TAKES
SOUND TO A NEW DIMENSION.

Mirage

OMNISAT

S O U N D E X P E R I E N C E

MIRAGE OMNISAT SERIES

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SPEAKERS FOR TODAY'S LIFESTYLES



IN TUNE WITH THE TRENDS OF TODAY.

TODAY'S LIFESTYLES DEMAND A SPEAKER THAT LOOKS AS GOOD AS IT SOUNDS. ONE THAT CAN BE THE FOCAL POINT OF THE ROOM OR BLEND IN UNOBTRUSIVELY. A SPEAKER WITH SOUND SO REAL, YOU COULD ALMOST BE LISTENING TO A LIVE PERFORMANCE. IN SHORT, A DREAM SPEAKER THAT NEVER EXISTED ... UNTIL THE LAUNCH OF THE OMNISAT.

25 YEARS OF CREATING WAVES.

For a quarter century, Mirage has been a leader in speaker innovation. Critics raved as Mirage, led by acclaimed audio engineer Ian Paisley and his protégé Andrew Welker, delivered both trendsetting design and award-winning products. Among these was the world's first bipolar speaker, the M-1, which revolutionized the industry in 1987 by dramatically increasing sound dispersion, turning flat recordings into full-bodied, near-realistic performances.

Mirage now launches a speaker so advanced, the world of sound as you know it will be completely shattered. The OMNISAT series incorporates Mirage's unique, patent-pending Omnipolar technology to radiate sound in a full 360 degree spherical spectrum, enveloping you in a musical heaven like you have never experienced before. Pioneering research, state of the art engineering and out-of-the-box thinking have produced a speaker so advanced, you will go quickly from admiring the design to marvelling at the nuances of the music and the complexity of the arrangement. This is sound with such unparalleled depth and feel, it could almost be live.

Unlike traditional speakers, there is no "sweet spot" for you to best appreciate the music. With OMNISAT, the best seat in the house is just about anywhere you choose to sit!

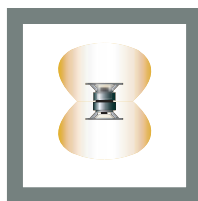
The Evolution Of Speakers And The Omnipolar Revolution.



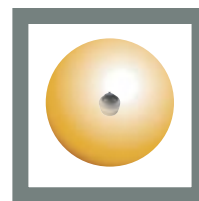
UNIPOLAR - This technology belongs to the early days of audio, with sound radiating in a narrow range from the front of the speaker. The soundstage came through as unnatural and unrealistic, making for a less than satisfactory audio experience.



DIPOLAR - These speakers use electrostatic or magnetic planar transducers in which the front wave radiates out of phase with the rear wave. This creates a 'figure 8' radiation pattern. The soundstage has depth, but its width is confined to between the speakers.



BIPOLAR - Pioneered by Mirage, bipolar speakers feature front and rear dynamic drivers radiating in phase. The result is improved sound dispersion. The soundstage now has the depth of a dipolar speaker, but with much improved width.



OMNIPOLAR - Mirage's revolutionary Omnipolar speakers break free from conventional speaker design, using proprietary Omnitech technology to achieve a perfect 360° spherical sound dispersion. Speakers using Omnipolar technology create a massive, three-dimensional soundstage, for an incredibly natural, believable performance.

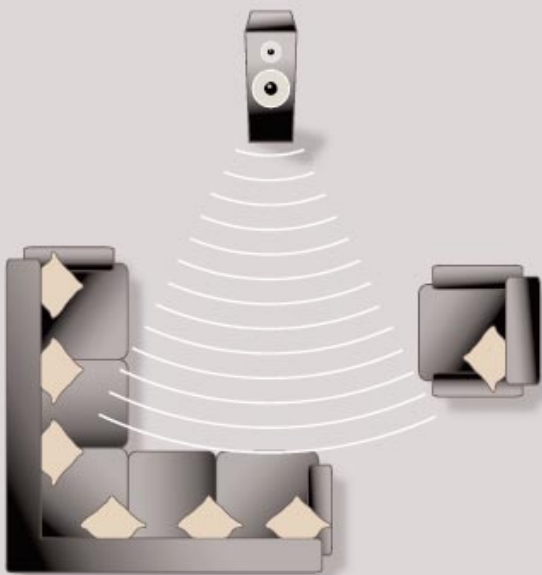
THE OMNIPOLAR ADVANTAGE.

THE NEW OMNISAT SERIES SPEAKERS USE MIRAGE'S PROPRIETARY OMNIPOLAR TECHNOLOGY, WHICH PROJECTS SOUND IN A PERFECT 360° THREE-DIMENSIONAL SPHERE. THE RESULT IS INCREDIBLY TRUE-TO-LIFE SOUND - NO MATTER WHERE IN THE ROOM YOU HAPPEN TO BE.



omnipolar

FEEL THE SOUND TOUCH YOU



A typical speaker with front-firing sound dispersion.



An OMNISAT speaker disperses sound in a perfect three-dimensional spectrum. Sound is projected 360° in all directions, exactly as it would be at a live event.

THE 3-D SOUND EXPERIENCE.

Picture yourself for a moment at a live music performance or at the theater. The sounds you hear come not just directly from the performers, but are also reflected off walls, the ceiling, the floor and other objects.

Research has shown that, in a typical room, approximately 30 per cent of what we hear is direct sound while 70 per cent is reflected sound that reaches our ears a fraction of a second later. While our brains use direct sound to recognize where it is coming from, it is the reflected sound that provides the sense of space and adds depth to music.

This is precisely why someone sounds so different in a big hall than he would in a small room – the echo takes longer to reach your ears, adding to the sense of space.

Conventional front-firing speakers use a 70 per cent direct to 30 per cent reflected sound ratio – or less than half of the important reflected sound that creates the soundstage of the original performance.

This is where Omnipolar technology comes in. OMNISAT speakers use a marvellous combination of progressive design and state-of-the-art materials to achieve a 30 per cent direct to 70 per cent reflected sound ratio, as well as a perfectly spherical dispersion of sound waves, for a performance that is as true to life as it can get.

The amazingly natural sense of space has had audio writers reaching for their dictionaries in search of new superlatives. Stereophile critic Thomas J Norton raved about how Omnipolar technology “draws me into the musical performance”, while Home Theater Magazine’s Jeff Cherun admired how an Omnipolar speaker’s frequency response was almost exactly the same “even if you’re at a 90 degree angle from it”.

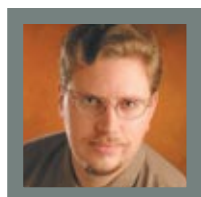


Why Omnipolar Technology Is Making Waves.



Mirage Sound Engineering legend Ian Paisley's quarter century of research and pioneering vision led to the birth of Omnipolar technology.

"Music should have the three dimensions of a sculpture, not the two dimensions of a picture."



Head Engineer Andrew Welker's ingenious Omnitech module design ensures exceptional Omnipolar sound from a small package.

"The challenge was to make the speaker vanish, leaving listeners with only the music."

A PERFECT FIT.

MIRAGE'S EYE-CATCHING NEW OMNISAT SPEAKERS ARE SO COMPACT AND THEIR SOUNDSTAGE SO ENVELOPING, THEY WILL FIT AND PERFORM FLAWLESSLY IN VIRTUALLY ANY ROOM. PURCHASE THEM SINGLY, IN SETS, OR IN COMBINATION WITH A MIRAGE LF SERIES SUBWOOFER FOR THE ULTIMATE HOME THEATER EXPERIENCE.



THE OMNISAT FEATURE ADVANTAGE



BLACK/PLATINUM

PLATINUM

WHITE

BLACK

COLOR YOUR MOOD

OMNISAT speakers are available in four stylish colors: Black/Platinum, Black, White and Platinum, to meet your individual tastes and fit into your room decor.

A VERSATILE SET

Your OMNISAT speakers are perfect for music, to enhance your television watching experience, or, when used in combination with the LF series subwoofer, to unleash a stunningly powerful home theater performance.

PERFECT TIMBRE MATCH

Using five identical "satellite" speakers for the front, center and surround units of your home theater system guarantees a perfect timbre match, providing seamless sound and an amazingly realistic movie-watching experience.

UNDER THE HOOD.

The OMNISAT series packs a punch because it combines innovative design and state-of-the-art materials into a revolutionary speaker. It features the latest generation of the famous Pure Titanium Hybrid (PTH) tweeter – which first made its appearance in the legendary Mirage M1si, the world’s best-known Bipolar speaker. PTH tweeters earned worldwide recognition for their crystal clear and lifelike high-frequency reproduction, low distortion and wide dispersion.

The PTH tweeter dome is mated to a compliant cloth suspension, eliminating the harsh ringing effect often found with metal domes. The small new Mirage mid-bass driver is constructed with injection-molded polypropylene, impregnated with graphite, carbon, mica and titanium-coated, to provide increased strength and rigidity in a super-light cone.

Here’s an exploded view of what goes into the making of the world’s most advanced speaker:

Omnitech Module. This beautiful module is made of solid aluminum to ensure the exacting tolerances of the Omnipolar Dispersion Modules and drivers. The aluminum is rigid, has low resonance and can be cast into the required shape to minimize edge diffraction. **Benefit:** An attractive cabinet that also helps create big sound.

Omnipolar Dispersion Modules. Strategically positioned and shaped conical cylinders that spherically disperse the sound emitted from the drivers. **Benefit:** Creates the lifelike Omnipolar effect despite using only two drivers.

Pure Titanium Hybrid Tweeters. The Pure Titanium tweeter dome is mated to a cloth suspension, ferrofluid cooled, and fitted with a Time Domain Equalizer. **Benefit:** Crystal clear and lifelike high frequency reproduction, low distortion, high power handling, and wide dispersion.

Polypropylene Titanium Deposit Hybrid Cone With Santaprene Surrounds. Polypropylene cones are subjected to a titanium deposit process to provide an ideal stiffness to weight ratio. Santaprene surrounds provide better strength and flexibility than rubber or foam and allow for the punishing excursion. **Benefit:** Tight and accurate bass response.

Magnetic Shielding. An oppositely charged magnet contains the magnetic field of the drivers. **Benefit:** Can be placed next to or on top of a television without causing interference to the picture.

High-Quality 5-Way Binding Posts. Allows the use of high gauge speaker wire and connectors. **Benefit:** Better speaker wire and connectors result in better sound reproduction.



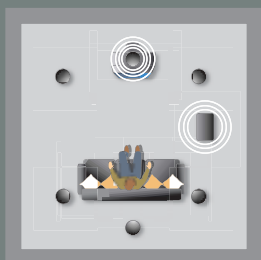
The
OMNISAT
Design.
Think
Outside
The Box.

FREEDOM TO EXPLORE.

MIRAGE'S OMNISAT SERIES IS SO FLEXIBLE, YOU CAN INTEGRATE THE SPEAKERS IN ANY ENVIRONMENT AND COMPLEMENT ANY DECOR. ENHANCE YOUR LISTENING PLEASURE, NO MATTER WHETHER YOU'RE TAKING IN A SPEECH, A MUSIC VIDEO, A MOVIE OR A FULL-FLEDGED OPERATIC PERFORMANCE.

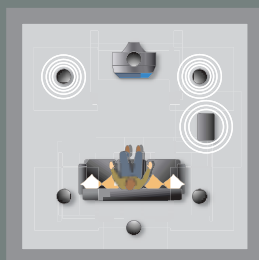


TAILORED SOUND FOR A PERFECT FIT



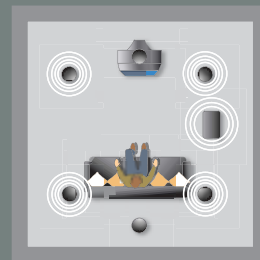
CENTER CHANNEL DIALOGUE

Even a single OMNISAT can greatly enhance your listening pleasure. When positioned above or below your TV, voices seem to emanate directly from the actors' mouths and carry throughout the room.



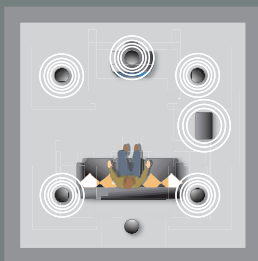
STEREO

The OMNISATs work perfectly in tandem as left and right speakers to provide sound that is amazingly true to life.



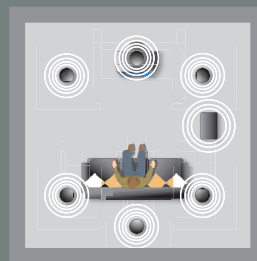
MULTI-CHANNEL MUSIC

Quiet harmony gets a really "big sound" when both sets of speakers work together. Listening to your old CDs will be a totally new experience.



HOME THEATER

When all five speakers are engaged, it recreates an authentic sound and a very real sense of dimension, bringing the atmosphere of the cinema right into your home.



DOLBY® DIGITAL AND BEYOND

Add one or more OMNISATs at any time to take advantage of advances in technology as they become available. With OMNISAT, you are always in tune with the latest technology.

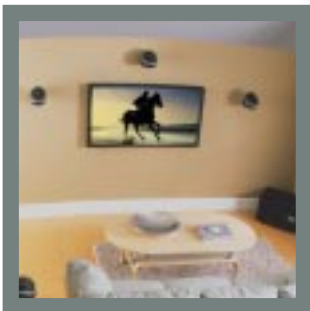
BREAK FREE FROM THE PAST.

With the OMNISAT series, Mirage packs big sound in a small, attractive package. You finally have the freedom to mount speakers just about anywhere you choose - on a bookshelf, on the ceiling, on the wall, on a stand... The OMNISAT is magnetically shielded so you can even place it on, or next to, the television without distorting the picture. The speakers can be mounted anywhere, even on ceilings and in bookcases, offering you ultimate flexibility.

The OMNISAT comes in a range of colors that allows the speaker to integrate into any decor. The sturdy casing and easy-mount system makes installation a breeze. With OMNISAT, you don't have to go to where the sound or music is; it's now everywhere you want it to be.

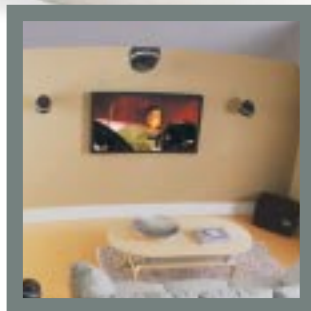


Unleash The Possibilities.



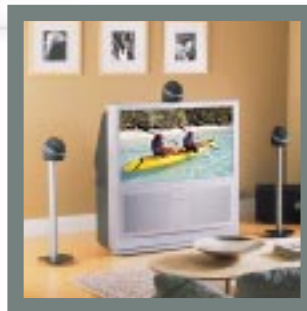
HANG IT ON THE WALL

The OMNISAT is equipped with a dual key-way bracket for simple wall installation with just one screw.



MOUNT IT ON THE CEILING

The OMNISAT comes with a clip that makes installing it on the ceiling a breeze.



STAND UP AND BE SEEN

The gorgeous OMNISAT is a work of art in itself, and who could blame you for wanting to show it off? The speaker can be easily installed on the OMNISAT stand, simply by sliding the base of the unit onto the clip of the stand.



ANYWHERE YOU WANT IT

The Macromount bracket fits the threaded insert in the back of the OMNISAT to allow the sturdiest, most versatile wall or ceiling mount.

THE ULTIMATE IN SOUND.

MIRAGE'S THUNDEROUS LF-150 SUBWOOFER AND FIVE IDENTICAL OMNISAT SATELLITES UNITE TO FORM THE SYSTEMS PICTURED TO THE RIGHT AND BELOW, THE OMNISAT 6. WITH ITS AMAZINGLY TRUE-TO-LIFE REPRODUCTION, THE OMNISAT 6 DELIVERS THE ULTIMATE SOUND EXPERIENCE.



EXPERIENCE THE WONDER



PRODUCT SPECIFICATIONS



OMNISAT

System Type:	Magnetically Shielded Omnipolar Satellite
Frequency Response:	70Hz-20kHz, +/- 5dB
Tweeter:	1" (2.5cm) PTH™ Pure Titanium Hybrid
Woofers:	4" (11.2cm) Polypropylene Titanium Deposit Hybrid cones with Santaprene surrounds
Power Handling:	150 watts
Crossover Points:	2.2kHz
Room Efficiency:	89dB
Impedance:	8-ohm nominal, 4-ohm minimum
Recommended Amplifier Power:	10 to 150-watts RMS/Channel
Inputs:	High Quality 5-Way Binding Posts
Dimensions:	inches: 8 x 6.25 x 8 (HxWxD) cm: 20.3 x 15.8 x 20.3 (HxWxD)
Weight:	7 lbs. or 3.2 kg
Colors:	Platinum, Black, White and Platinum/Black

LF-150 SUBWOOFER

System Type:	Magnetically Shielded, Front Ported Subwoofer
Power Output:	600 watt dynamic peak, 150 watts continuous
Woofers:	10" (25.4cm) Polypropylene Titanium Deposit Hybrid
Magnet Size:	28 oz.
Voice Coil Diameter:	1.5" (3.81cm)
Frequency Response:	23Hz-120Hz-3dB
Phase Switch:	0/180°
Variable Low Pass Filter:	40Hz-120Hz @ 18dB/octave
Inputs:	Low level input, crossover bypass, high level
Outputs:	High level
Dimensions:	inches: 12.5 x 19.75 x 16.25 (HxWxD) cm.: 31.5 x 50 x 39.4 (HxWxD)
Weight:	45 lbs. or 20.4 kg

• Specifications subject to change without notice. • OMNISAT and the LF-150 can be purchased separately or as part of the OMNISAT 6 system that consists of five identical OMNISAT satellites and a LF-150 subwoofer.

The Science Of Sound.

What do people look for when choosing a speaker? That is what Canada's National Research Council (NRC) sought to answer in what remains the biggest and most significant study of hi-fi sound ever. The 10-year study, in which Mirage's parent company API played a key role, involved double blind listening trials of more than 330 speaker designs by 2,000 listeners. Based on the results, audio engineers picked out three features that were common to all the speakers that scored highly in the listening trials:

1. FLAT RESPONSE AND WIDE BANDWIDTH. Most of what we listen to (including the human voice) falls within mid-bass frequencies, and so we can easily pick out distortions in this part of the audio spectrum.

Mirage OMNISAT uses well-designed drivers with wide bandwidth and smooth roll-off characteristics to achieve flat mid-bass response.

2. ACCURATE SOUND DISPERSION. Approximately 30 per cent of what we hear is direct sound, the rest is sound that is reflected off walls, ceilings and other objects. Speakers with wide dispersion characteristics scored highly with the test audience for reproducing sound with greater realism.

The OMNISAT features PTH tweeters with excellent waveform properties, a contoured baffle that significantly reduces diffraction of sound, and proprietary components that combine to provide the best, most natural dispersion.

3. LOW DISTORTION. Distortion, which is defined as any alteration of the original sound, can occur from a variety of sources, such as mechanical, electrical, cone break-up or changes in phase.

OMNISAT speakers are built to the highest standards, using precision manufacturing processes, close tolerance electrical components, linear motor systems and rigid, well damped cabinet construction techniques that ensure virtually distortion-free performance.



www.miragespeakers.com



S O U N D E X P E R I E N C E

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