Oracle HD & SHD Audio Interfaces

Reference-level speaker interfaces & audio interconnects for the discerning listener

Handmade in the USA

MIT®
Music Interface Technologies™

MIT: defining cable technology for 25 years

MIT Cables founder Bruce Brisson began purposefully designing audio cables in the 1970's after encountering the sonic problems inherent in cables typical of the day. He later founded Music Interface Technologies in 1984 after patenting and licensing his early designs to other manufacturers, producing some of the audio industry's most groundbreaking and seminal products.

The Interlink® Reference: the interface that started the high-end cable industry. Designed by Bruce Brisson for Monster® Cable.

Over the ensuing three decades, MIT Cables has risen to prominence in the audio industry as the technology leader in audio and video cabling, as well as power line treatment. MIT Cables are used to interface the finest professional recording studios throughout the world.

MIT Cables' core audio cable technology is our exclusive Poles of Articulation, named after the fact that every audio cable has a single point where it is most efficient at storing and transporting energy. At this point in the audio frequency spectrum, the cable will articulate best, and represents the cables' particular Articulation Pole.

A cable that has its Articulation Pole tuned to a high frequency is described by audiophiles as "bright" or "fast." Conversely, a cable that has its Articulation Pole tuned to a lower frequency would be described by audiophiles as "muddy" or "veiled." MIT Cables' interfaces are engineered to have multiple Articulation Poles optimized for the lows, mids, and highs. Our Poles of Articulation synergistically work together to transport the audio signal with a more even response than just a single cable, as if multiple cables are being used together.

When choosing an interface, look for the Multipole Technology logo with the performance rating indicating the number of Poles of Articulation in each product. This simple feature will help you select the correct performance level for any system, with complete confidence and accuracy.

Multipole Technology provides better bass, better midrange, and better highs.

Oracle MA-X SHD Proline™ Balanced (XLR) audio interconnect.

MIT Multipole™ Technology Explained

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Graph A: Represents the bandwidth of the audible range of the human ear. We will use this graph to describe how well a cable articulates across the audible bandwidth. The 50% line serves as our baseline for articulation response.

Graph B: This articulation plot describes an example cable that has its Articulation Pole tuned to a high frequency, described by audiophiles as "bright" or "fast." Conversely, a cable that has its Articulation Pole tuned to a lower frequency would be described by audiophiles as "muddy" or "veiled." MIT Cables' interfaces are engineered to have multiple Articulation Poles optimized for the lows, mids, and highs. Our Poles of Articulation synergistically work together to transport the audio signal with a more even response than just a single cable, as if multiple cables are being used together.

Graph C: The plot to the right is a conceptual illustration showing how Multipole technology works synergistically throughout the audio spectrum. Poles A & B provide an area of better bass, Poles C & D provide an area of better midrange, and Poles E & F provide an area of better highs. Together, they provide controlled bass, and smoother, more extended highs along with a lower noise floor –"like multiple cables in one!"

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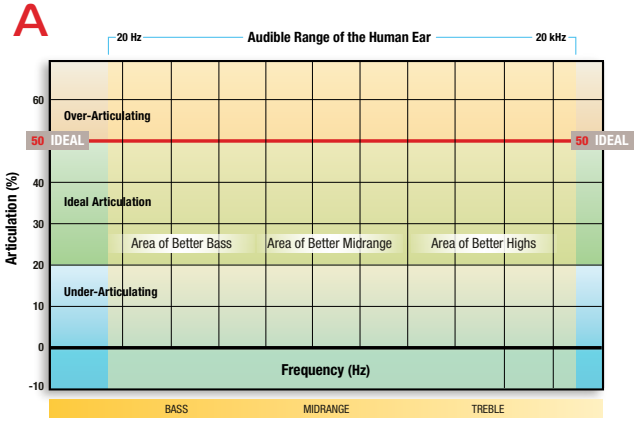
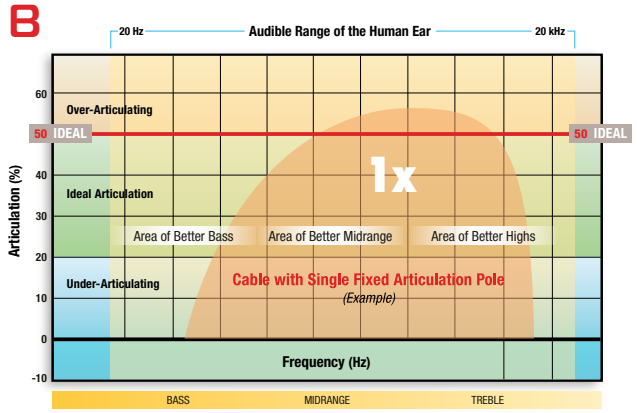
Multipole Technology.

It's like having multiple cables in one!™

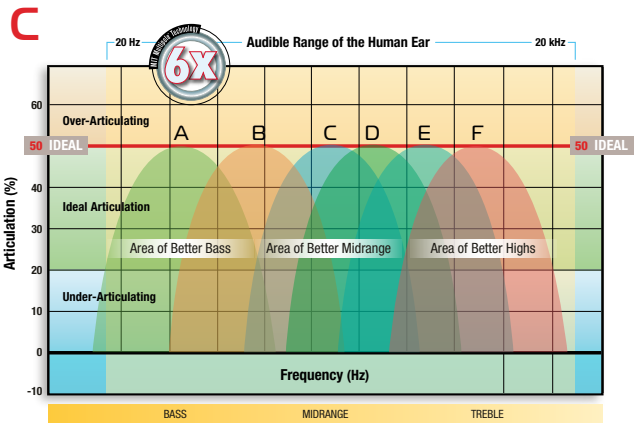
A



B



C



Fractional Articulation Technology

The new Oracle High Definition and Super High Definition interfaces: Reference Redefined

Advanced laboratory test and measurement equipment enabled Music Interface Technologies to include Fractional Articulation Technology in the designs of its reference level products. MIT first unveiled this technology in 2010 as "Fractional Articulation Technology" (F.A.T.) in its Oracle MA-X Rev. 2 HD Speaker Interfaces. Thanks to improved manufacturing techniques, MIT is proud to offer this technology in an entirely new product line, including Super High Definition Speaker Interfaces.

Today, through Fractional Articulation Technology (F.A.T.), interval optimization (notes within the octave) is achieved! The result is an interface that properly preserves additional timbre and more of the natural textures and density of music, "filling in the blanks and connecting the dots"–thus providing a higher definition audio playback

The Adjustable Articulation Response Module (A.A.R.M.)

The illustration below right is an artist's representation

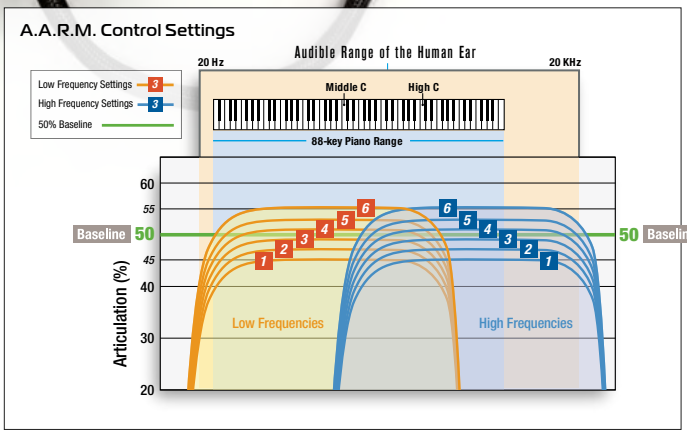
(from actual MIT factory measurements) of the articulation plots for the Oracle MA-X AARM. In particular, note the effect of the various settings as it pertains to the articulation response for the bandwidth of the low frequency (orange lines), and high frequency (blue lines). Low frequency and high frequency articulation can now be controlled independently by the two Articulation Selector switches.

The base line (ideal) is represented by the 50% line. By selecting level 4, 5 or 6, articulation is increased above the 50% line, which will enhance system transients, detail, imaging and musicality. Selecting values below the 50% line, (level 1, 2 or 3) will tend to have the opposite effect on a system, incrementally reducing articulation control as desired. It is purely subjective when deciding where each selector switch should be set—so plan to spend some time experimenting to find that perfect balance you have always known was possible in an audio system!

Fractional Articulation Technology & HD Switching

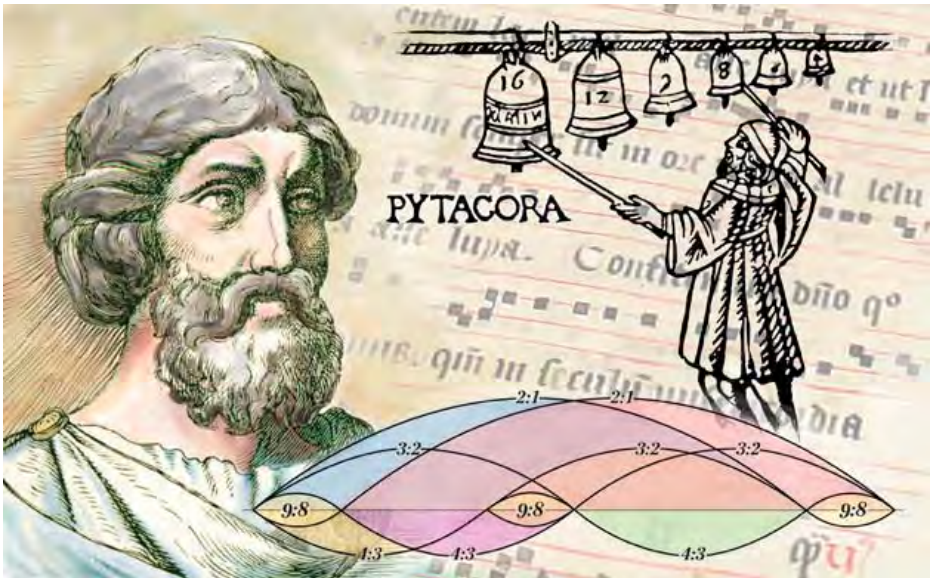
With the simple turn of the selector switch, you can move from "Standard Definition" to "High Definition" to "Super High Definition" mode by activating Fractional Articulation Technology (F.A.T.).

F.A.T. enables these interfaces to retrieve additional information that resides within each octave of the musical signal, forming individual images with crisp detail and without artificial hardness. Smooth and liquid from top to bottom, F.A.T. precisely extracts information lost by JUST cables, rendering incredible detail and solid image placement with more lifelike transients than ever thought possible. The result: improved timbre, texture and unparalleled detail, while preserving all of the delicate spatial information associated with Maximum Articulation.



F.A.T. and he value of "2 cents".

The philosopher Pythagoras is credited with discovering that musical harmony, or consonance comes when the ratio of musical frequencies consist of simple numbers. The story tells of the philosopher



talking as he passed a blacksmith shop. While hearing the familiar sounds of ringing hammers he discovered that it was the weights of the hammers themselves that were responsible for the relative tones he heard. He was able to determine that a hammer weighing half as much as another sounded twice as high. This is an octave (2:1). A pair with a weight ratio of 3:2 (a fifth apart) sounded beautiful as well. He discovered that simple ratios made the most pleasing (consonant) sounds.

The more simple the ratio between the harmonic and the fundamental, the more consonant the harmonic is.

Music intervals and cents–

A cent is a unit of measure used for musical intervals. In the western scale, an octave contains 1200 cents. Because each octave has twelve notes, the interval or space between each note is 100 cents*. Cents are often used to measure extremely fine intervals. It is commonly accepted that a person can detect a five to six cent interval. For example, if middle C on a piano lost its tuning to a degree of six cents, the human ear will detect that the key is out of tune, whether it is sharp (up) or flat (down).

Most audiophiles are able to discern a two cent interval or less. This may be due to practice, hours spent listening to music, or it may be simply related to an individual's "innate ability". This accounts for the ability of one person to detect the tiniest nuance in music while another person may not. Because of the audiophile's acute ability to discern these minute differences between tones, extreme care must be given in the design and construction of an audio interface to ensure that the consonant intervals and all harmonics being optimized are done so within an exacting tolerance. This technology is only provided by MIT.

Upgrade path now available!

If you are already fortunate enough to own an Oracle MA-X2 or MA-X2 HD speaker interface, MIT has an upgrade path to the new Super High Definition technology! This upgrade adds 25 Poles of Fractional Articulation Technology. Contact MIT for more information.

The Oracle MA-X Rev 2 Proline™ Balanced (XLR) audio interconnect.

Oracle HD & SHD speaker Interfaces

Oracle Matrix 90 Rev 1: Affordable F.A.T. Technology. Built to the same exacting HD specifications as the Oracle Matrix HD 120, the Matrix 90 uses a cost-effective combination of materials in its enclosure, including a CNC machined T6 aluminum billet base which isolates and protects sympathetic vibrations from entering the internal networks to avoid any loss of image. With 90 Poles of Articulation and HD Technology, the Matrix HD 90 reveals much of the tonal complexity and huge soundstage of the Matrix HD 100 and 120. SKU:ORASMTRXHD90.1S-08 *8 foot pair* Bi-Wired version available: SKU:ORASMTRXHD90.1BW-08 *8 foot pair*

Oracle Matrix 90 speaker interface.

Oracle Matrix Super HD 120: the modular Matrix. Larger than the Matrix 100 and smaller than the Oracle MA-X, the Matrix 120 features the unique and "future proof"* modular cable design that is hand laid and hand twisted. Teflon® insulated OFC strandings are used to ensure that noise-related distortions associated with the dielectric or the conductor are minimized.

Matrix 120 is finished in the same brilliant Ferrari silver two-stage paint as the Oracle MA-X HD. The CNC machined T6 aluminum billet enclosure serves to isolate and protect sympathetic vibrations from entering the internal networks to avoid feedback induced distortions.

Built to exacting tolerances from end to end, the Oracle Matrix HD 120 is capable of revealing tonal complexity, amazingly lifelike transients and stunning detail over a quiet background. The ultimate interface for the discerning audiophile! SKU:ORASMTRXSHD120S-08 *8 foot pair*
Bi-Wired version available: SKU:ORASMTRXSHD120BW-08 *8 foot pair*

Oracle Matrix Super HD 120 speaker interface.

Oracle MA-X Super HD Speaker Interface with A.A.R.M.


(Adjustable Articulation Response Module)
The Oracle MA-X "Rev. 2" speaker cable from MIT adds yet another new dimension of control to the listening experience, allowing the user to precisely "fine tune" the articulation in a High-End system through the use of the unique adjustable Dual Articulation Controls (patent pending). With the simple rotation of the bandwidth Articulation Selector knobs (shown), the listener can adjust for the optimal balance between transients, detail, imaging and musicality. MIT engineers have divided the audio bandwidth into low frequency and high frequency areas, enabling the user to precisely control the articulation between the system's amplifier(s) and speaker(s).

34 Additional Poles of Articulation!

The Oracle MA-X boasts 34 more Poles of Articulation than the Oracle MA. The result is a cable that is unsurpassed in its ability to reveal all the recorded music in a high-end audio system! SKU:ORASMA-XSHDS-08 *8 foot pair*
Bi-Wired version available: SKU:ORASMTRXSHD120BW-08 *8 foot pair*

Oracle MA-X Super HD speaker interface.

2013 the absolute sound Editors' Choice Awards

Oracle Matrix HD 90
Oracle Matrix Super HD 120
Oracle MA-X SHD

Oracle MA-X audio interconnects

Oracle MA-X– The Oracle MA-X Interconnect is the world's first fully-adjustable articulation audio interface. With 68 poles of articulation, the timbre is full, natural and rich, and the textures remain thick and dense, ensuring that voices and instruments will not lose their natural tones. All voices and instruments are "painted" on a noise-free background and portrayed within a large three-dimensional soundstage, remaining rock solid over a greater dynamic range.

The Adjustable Articulation Response Module—A.A.R.M.

The articulation selector allows the listener to "fine tune" this interface for optimal balance between transients, detail, imaging and musicality. SKU:ORAMA-X-1 *1 meter pair*
ORAMA-XP-1 Proline™ Balanced XLR *1 meter pair*

Oracle MA-X audio interconnect.

Oracle MA-X Rev 2– The second revision of the Oracle MA-X Interconnect builds upon its adjustable articulation predecessor with added textures, timbres and harmonics that perfectly compliment the Oracle MA-X Speaker Cable.

The Oracle MA-X Revision 2 is now the new reference standard, raising the bar to 95 poles of articulation! With these improvements, the timbre is fuller, richer, and more natural. All voices and instruments are "painted" on a noise-free background and portrayed within a large lifelike soundstage, remaining rock solid over an even greater dynamic range. SKU:ORAMA-X2-1 *1 meter pair*
ORAMA-XP2-1 Proline™ Balanced XLR *1 meter pair*

Oracle MA-X Rev 2 audio interconnect.

Oracle MA-X SHD– New and exclusive to the *Super High Definition* interconnects are dual articulation controls. The conventional A.A.R.M. (Adjustable Articulation Control Module) allows the listener to adjust for challenging room conditions, equipment changes, and sometimes software choices.

With 110 Poles of Articulation, the new SHD interconnect works to control and properly interface the lowest of the bass regions, right from the start at your source. The SHD interconnect allows your system to articulate down to 10hz, well below the lowest note of a typical recording. This lowest region of the audio spectrum is an area not previously addressed by any interconnects. SKU:ORAMA-XSHD-1 *1 meter pair*
ORAMA-XSHDPRO-1 Proline™ Balanced XLR *1 meter pair*

Oracle MA-X SHD audio interconnect.

Oracle MA-X Digital– The Oracle MA-X Digital is the world's first fully-adjustable articulation SPDIF interface. The Oracle MA-X Digital interface includes our proven patented network technology that eliminates undesirable reflections and false signals.

The Oracle MA-X Digital articulation selector allows the listener to "fine tune" this important interface for optimal balance between detail, imaging and musicality. All with the simple rotation of the MIT patent-pending Articulation Selector that is integrated into every Oracle MA-X Digital interface. SKU:ORADMA-X-1 *1 meter pair*

Oracle MA-X Digital interconnect.

Oracle MA-X Phono– The Oracle MA-X phono interconnect is the world's first phono interface to offer fully-adjustable articulation control. The Oracle MA-X is the new industry standard, raising the bar to an unsurpassed 68 poles of articulation. With 68 poles of articulation, the timbre is full, natural and rich, and the textures remain thick and dense, ensuring that voices and instruments will not lose their natural tones. All voices and instruments are "painted" on a noise-free background and portrayed within a large three-dimensional soundstage, remaining rock solid over a greater dynamic range. SKU:ORADMA-X-PHONO-1 *1 meter pair*

Oracle MA-X Phono interconnect.

MIT Technology Time Line

1982 MIT's Bruce Brisson introduces what many people regard as the world's first purposefully built audio cable (Pat. No. 4,538,023), a solution that would become the standard of all modern high performance interconnects.

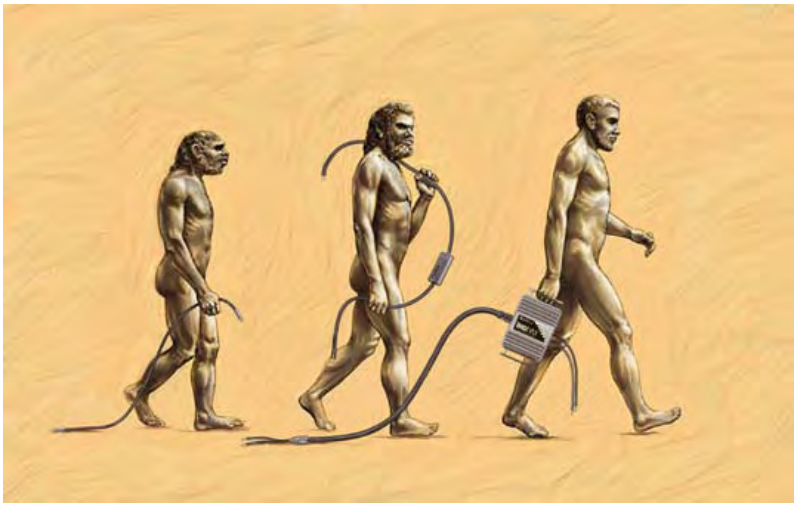
1984 - 1999 After years of R&D, MIT announced the development of the Efficiency Scale, a test and measurement program that correlates sonic qualities of cable with test-bench performance. Shortly after, MIT introduces Multipole Technology, which passively and in parallel corrects many of the problems that are inherent in ordinary cable designs.

2000 MIT introduces the Oracle series of music interfaces. This technology built upon previous Multipole designs which optimized the cable's ability to articulate at each octave.

2006 MIT introduces Maximum Articulation Technology to the Oracle MA speaker interface. When Maximum Articulation was added, MIT included the optimization of harmonics, which also helped to optimized timbre.

2010 MIT introduces Fractional Articulation Technology (F.A.T.) in High Definition and High Resolution products. With F.A.T., interval optimization (notes within the octave) is achieved! The result was an interface that was purposefully engineered and built to optimize tone and timbre. Going beyond the octaves and their harmonics, this technology optimized all of the notes of the music found within the octave, increasing the density and the natural textures of the music.

2012 MIT introduces Super High Definition products, adding yet another level of performance to Fractional Articulation Technology (F.A.T.). With SHD, tone, timbre and textures can all be optimized for your system with a simple selection of a three position articulation switch, giving the user the ability to select Standard Definition, High Definition, or Super High Definition.



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MIT
Music Interface Technologies™

Handmade in the USA

www.mitcables.com More than just Cable!®

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