

Inspiration System

An extraordinary dimension of realism

The *Inspiration Systems*® are complete reproduction systems that provide the most natural and accurate rendition of musical events. An absolutely holographic representation of the original venue is achieved.

The *Inspiration Systems*® employ an entirely different concept than existing "high-end" audio systems.

- ♪ All limitations inherent in the usual system configurations are avoided.
- ♪ Unique component selection results in unmatched precision.
- ♪ Gone are all the compromises.
- ♪ No crossover correction circuits - which create phase errors, dynamic distortion etc. - are required.
- ♪ Trade-offs, necessary in other systems to assure that they can be driven by usual power amplifiers, are completely avoided thanks to the drive capability of the *Resolution Series*® amplifiers.
- ♪ No more need for error corrections and compensation because in the *Inspiration Systems*® ; errors are avoided in the first place via selected and optimized components.
- ♪ No more room dependent variations of the speaker`s reproduction:
the *Inspiration Systems*® can be calibrated to any specific acoustic environment.
- ♪ Fine tuning to any acoustic environment.

This optimization of the *complete* music interface ends all limitations of previous designs.

The *Inspiration Systems*® are based on the *Resolution Series*® electronics. The singular characteristics of the *Resolution Series*® amplifiers (with their unique dynamic damping and unprecedented drive capability together with the *Resolution Series*® line stages) allow the use of a singular, true balanced crossover design. This combination offers entirely new possibilities in the accuracy of music reproduction.

The entire system operates as an complete entity. Each system component can be optimized without compromise as variables and individual characteristics of all system components are precisely defined. Variations due to the interaction of different component`s characteristics, non-optimal interfacing, grounding issues, lack of coherence, limitations in dynamics, lack of drive capability and other musically relevant values are avoided.

Because of this **complete system solution**, no other brand of component - no other preamplifier, crossovers, cables, or power amplifiers - can be used. The entire system is dependent on the characteristics and tuned to the specific components and each component is part of the systems' unique performance. Only with this systematic and thorough approach is utmost accuracy achievable.

The materials in the transducers are specifically chosen for their acoustic properties, leaving the speakers reasonably sized and - while not exactly "light" - not excessively heavy.

Each *Inspiration System*® is installed, calibrated and fine tuned to the room by a trained engineer.

The result is truly unique, a realism of music reproduction surpassing anything ever heard.

The *Inspiration Systems*® XS-IB - XS-IIB - XS-IIIB

All *Inspiration Systems*® share the same design concepts, parts and execution. They differ in size, max. sound pressure level and lowest reproducible frequency. All are powered by a pair of FM ACOUSTICS *Resolution Series*® stereo power amplifiers (one stereo amplifier is used for the left side, one for the right side) or four *Resolution Series*® mono amplifiers. One amplifier channel supplies low frequency signals directly to the low frequency driver (absolutely no phase-changing components - as are required in the usual speaker designs - are needed). This guarantees optimal phase accuracy and unmatched control thanks to the *Resolution Series*® unique dynamic damping of the diaphragm. A second amplifier channel supplies all mid-, upper-mid-, high- and ultra-high frequency signals.

The dedicated crossovers are unique. They are *absolutely* free of any overshoot and ringing and provide phase linearity while precisely optimizing the frequency bands for each dedicated transducer. System-specific cables have been developed and are included in the system so that absolutely optimal signal transfer is guaranteed.

XS-IB

The low frequencies of the *Inspiration System*® XS-IB are reproduced by a special 40cm transducer that is directly coupled to one amplifier channel using special low impedance cable. The other amplifier channel connects to a high-accuracy multi-way crossover that routes the different frequencies to the respective low-mid, high-mid, high- and ultra-high frequency transducers with precisely defined characteristics.

XS-IIB, XS-IIIB & XS-IIIB-R

The *Inspiration Systems*® XS-IIB and the XS-IIIB use specially selected low frequency transducers. They are used in smaller enclosures but contain all the features of the larger XS-IB System. The XS-IIIB is somewhat smaller in width and depth than the XS-IIB with the lowest reproducible frequency a few Hertz above the one of the XS-IIB.

The XS-IIIB is combined with a set of purpose-designed amplifiers (the F-10B-XSIII) that incorporate the low level crossovers and use a special output connection for the system-specific multicore cables.

For those who already own a *Resolution Series*® power amplifier the "XS-IIIB-R" has been devised. Two additional external low-level crossovers and system-specific cables are required.

No compromises are permitted in the *Inspiration Systems* .

Component selection, materials, construction and the all important fine-tuning and testing are singular. For example, each transducer - all of which are specifically designed for (and only available in) the *Inspiration System*® - undergo unique proprietary measurements and selection procedures. Those transducers that have not been rejected during these tests receive individual transducer-specific treatment and optimization. The goal is an accuracy of 0.2 dB (yes, zero point two dB; this is 5-10 times more accurate than other so called "high-end" systems). After this, a further selection follows, this time entirely by listening.

Only transducers that better all *Inspiration System* - specific criteria are used, all others are rejected.

The *Inspiration Systems*® are versatile and can be installed in any domestic or professional environment. The specific audilisation process features linearization for each transducer while multiple controls allow individual tuning to every acoustic environment. Optimal calibration is even possible for non-symmetrical rooms and/or rooms with difficult acoustics; with this, a major limitation of all other designs has been

Conventional measurements confirm the superior performance of the system, however, existing measurements are too limited to explain the astounding lifelike reproduction of the *Inspiration Systems*®.

One of the unique characteristics is that - for the first time ever - an absolutely holographic image of the recording venue is achieved: the speakers become 'invisible' creating a totally "true to the original" reproduction. Three-dimensionality is exactly as in the original recording venue: close-miked studio recordings are correctly reproduced upfront with clarity, speed and harmonic accuracy. Recordings in concert halls are precisely reproduced with the original acoustics intact; the real reverb and reflection characteristics are represented perfectly. The systems can reproduce tremendous depth and/or width but only if the original recording contains these characteristics. Nothing is artificially added and nothing is taken away. The original presence and dynamics are kept.

The *Inspiration Systems*® is what the "optimal monitoring system" should be: reproducing precisely what is captured on the original recording.

To be clear about this: it is not what the majority of "audiophiles" are looking for. It is, however, what music aficionados are striving for.

A further peerless characteristic of the *Inspiration System*® is that - at the same time as delineating this holographic reproduction - it provides an accurate "pinpoint" stereo image: musicians and singers can be located precisely. Unique is - provided that reasonably phase coherent recordings are used - that this localisation capability remains intact even when one's listening position is not in centre (usual "high end" systems require sitting pretty close to the "sweet spot"). This is not necessary with the *Inspiration Systems*. The sound stage can extend to almost 180° (but by far not all recordings allow such a feat because during recording the original phase characteristics have been damaged by excessive multi-miking and similar recording mistakes).

THE SYSTEM

An *Inspiration System*® is a once in a lifetime investment. Only made to order, each comes in a finish that is alternately hand polished and lacquered multiple times, then long-term heat cured. A final triple seal using medium gloss transparent lacquer protects the original colour. After this it is again hand polished & buffed.

The *Inspiration Systems*® comprise:

- Two enclosures with 4 (XS-IIIB & XS-IIIB) or 7 (XS-I) hand- & listening-selected precision transducers
- 2 line-level and high-level crossovers
- 4 pairs of ultra-low-resistance speaker cables
- 2 special multi-conductor speaker cables
- All interconnect cables between preamplifier and crossovers, the crossovers and the power amplifiers
- Base plates
- Resonance eliminators
- Individual packing of the components in crates and 3-wall boxes
- Audilisation, installation and calibration/fine tuning of the system in clients room

REQUIREMENTS

The **XS-IB** and **XS-IIB** require a true balanced line stage from FM ACOUSTICS; it can either be an FM 245, FM 255, FM 266 or FM 268 but not an FM 155 or an earlier type of FM ACOUSTICS preamplifier nor any other type or brand. The system crossovers are using FM ACOUSTICS' true balanced circuitry to optimize response with the preamplifiers and the power amplifiers. The preamplifier must perfectly interface with the characteristics of the line-level crossovers and both are all fully dependent on each other.

Two stereo or four mono *Resolution Series*® power amplifiers are required (for details see page 7).

The **XS-IIIB** can be used with any of FM ACOUSTICS line stages (FM 155, FM 245, FM 255, FM 266, FM 268) but not with any other brand.

The XS-IIIB requires a pair of dedicated stereo power amplifiers, the F10B-XSIII, which have built-in active crossovers and system-specific connectors.

The **XS-IIIB-R** is a special version which allows the XS-IIIB-R to be used with all *Resolution Series* power amplifiers. This "R" version is made especially for customers who already own a *Resolution Series* power amplifier. To achieve this an additional cable set and one pair of external crossovers are required.

COLOUR

The colour of the *Inspiration Systems*® is medium gloss champagne gold so that it does not stand out and optimally integrates with a wide variety of interiors. It also matches the colour of the *Resolution Series*®, making the system's appearance integrated and visually much less dominant.

Depending on production and on special order basis, the cabinets may be available in other colours and finishes. Additional charges will occur. *Resolution Series*® products are only available in champagne gold finish.

DELIVERY

Delivery is subject to the schedule of our craftsmen and availability of components and will usually vary between three and twelve months.

If there are special requirements in regards to importation of the products into the country of destination, your cooperation may be needed.

ORDERING

Inspiration Systems® are only available through a few selected representatives that have received the special training required to install and calibrate the *Inspiration Systems*®.

A questionnaire regarding the room and the ancillary equipment will be required before acknowledgment of an order. This questionnaire will be analysed by a team of engineers and acousticians who may then give specific recommendations if modifications should be required to achieve optimal results.

The choice of which *Resolution Series*® power amplifier to be used with the XS-IB, XS-IIB and XS-IIIB-R systems will be made together with the client. The choice obviously depends on the size and the acoustical characteristics of the room, requested SPL, the styles of music to be reproduced etc.

All *Resolution Series*® power amplifiers have identical characteristics and provide the same performance. The difference is the max. output power / sound pressure level.

Not included in the price are insurance, transport, taxes, various charges such as customs, luxury, excise taxes etc. Additional costs may include return travel charges for one engineer in business class to destination, plus accommodation (4- or 5-star).

Also not included is any other associated equipment.

Reactions and Comments on the

Inspiration Systems®

"(...) If I had this system as my reference my recordings would get better (...)"

John Eargle, world renown recording engineer, past AES president, U.S.A.

"(...) This is a tremendous success, just phenomenal. Never has music sounded so real (...)"

Yves Ehrenbolger, Music enthusiast, Switzerland

*"(...) It is safe to assume that I experienced the best music reproduction I have ever listened to.
Congratulation on this presentation! (...)"*

Walter Iten, Analogue Audio Association, Switzerland

"(...) I have never heard a smoother system (...)"

Tom Jung, renown recording engineer, president of DMP Recordings, U.S.A.

*"(...) - "Music like you have never heard before" - I must say that it was not exaggerated!
I don't think I will ever again hear music like reproduced through the *Inspiration Systems* (...)"*

Peter Meister, Lugano, Switzerland

"(...) Quite honestly I must admit that I have never heard a system reproduce music like this. This is by far the best music system I have ever heard (...)"

President of R&D of a famous loudspeaker manufacturer, USA.

*"(...) The *Inspiration System* is THE reference (...)"*

Armand L. Van Trigt, Bussum, Holland

"(...) In 50 years in the music business I have never, never ever heard anything like this (...)"

Hazy Osterwald, Band leader, Switzerland

"(...) Listening to the beautiful sound of your new system, I was enormously impressed (...)"

Professor M. Weisfeld, Durham, NC, USA.

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Details and specifications subject to change without further notice.

All prices are NET in CHF, excluding V.A.T. (MWST) and any local taxes, custom duties and any other charges.

Prices are subject to be changed without notice / Errors and omission excepted.

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Specific Notes

The Inspiration Systems are designed to be used with two identical stereo or four mono power amplifiers of FM ACOUSTICS' *Resolution Series*.

One channel (or one mono amplifier) is connected directly to the bass driver, the other channel amplifies the mid, upper mid, high and ultra-high frequencies. This is so on all three systems.

Recommended combinations are:

XS-IB: 2 pcs FM 1811 or 4 pcs FM 115

XS-IIB: 2 pcs FM 411-MKII or 4 pcs FM 111 or 2 pcs FM 711-MKII

XS-IIIB: 2 pcs F-10B-XS-III

XS-IIIB-R: 4 pcs FM 111 or 2 pcs FM 411-MKII

In case a customer already has two different FM ACOUSTICS power amplifiers it is recommended that one is traded in so both sides use the identical amplifiers and the system is balanced.

The prices are calculated with one preamplifier and the required power amplifiers (see above) ordered together. It is a mixed calculation. If a customer already owns an FM ACOUSTICS products with proof of purchase the prices will be somewhat higher.

These are *complete* systems. The transducers/cabinets are *only* available together with all required *Resolution Series* components, cables and their dedicated, individually tuned crossovers (for more details see Price sheet).

NEVER ever try to connect any other make of power amplifiers or preamplifiers in any part of the system.

They do NOT work with other components of any brand nor with older FM ACOUSTICS power amplifiers (like e.g. Classic Series F-30) nor with professional series amplifiers (FM 600A, FM 800A, FM 801). One would damage several components of the *Inspiration Systems* and could damage these 29 - 39 year old power amplifiers.

Also, the system's performance is directly dependent on the specific true-balanced output circuits of FM ACOUSTICS pre-amplifiers and the balanced input circuits of the *Resolution Series* power amplifiers, as the crossover system is specifically tuned to these characteristics.

By not adhering to this requirement one would defeat the *Inspiration Systems*' unique characteristics and introduce multiple errors (phase errors, frequency response errors, non-linearity, distortion, wrong loading etc.). Worse, one could damage the pre-amplifiers, amplifiers and/or transducers.

NEVER use any other cable than the ones that are supplied with the system. You may damage parts of the system. These are NOT standard cables.

Inspiration Systems® XS-IIIB Layout / Pricing Sheet

	<i>Inspiration System</i> ® XS-IIIB using dedicated F-10B-XSIII amplifiers with built-in crossovers	<i>Inspiration System</i> ® XS-IIIB-R using <i>Resolution Series</i> amplifiers with external crossovers
Sources	Client's choice	Client's choice
Preamplifier	FM 155, 245, 255, 266 or 268 (select one of above preamps) CHF. **	FM 155, 245, 255, 266 or 268 (select one of above preamps) CHF. **
Cable: preamp to Crossover	Length = m * included in system price	Length = m * included in system price
High level crossovers	<i>Inspiration System</i> ® XS-IIIB included in system price	<i>Inspiration System</i> ® XS-IIIB included in system price
Line level crossovers	included in F-10B-XSIII included in amplifier	2 external crossovers INS-26514 CHF. 3'980.00
Multicore cables	<i>Inspiration System</i> ® XS-IIIB included in system price	<i>Inspiration System</i> ® XS-IIIB included in system price
Base plate and isolators	<i>Inspiration System</i> ® XS-IIIB included in system price	<i>Inspiration System</i> ® XS-IIIB included in system price
Additional cable set	<i>Inspiration System</i> ® XS-IIIB not required	Cable set INS-26519 required CHF. 7'600.00
System	<i>Inspiration System</i> ® XS-IIIB CHF. 73'980.00	<i>Inspiration System</i> ® XS-IIIB CHF. 73'980.00
Amplifiers	2 pcs. F-10B-XSIII CHF. 41'760.00	2 stereo <i>Resolution Series</i> CHF. ** or 4 mono <i>Resolution Series</i> CHF. **
Total net price of complete system ex-works	CHF. =====	CHF. =====

Inspiration System® XS-IIIB

using dedicated F-10B-XSIII amplifiers with built-in crossovers

Inspiration System® XS-IIIB-R

using *Resolution Series* amplifiers & external crossovers

Description

The *Inspiration System*® XS-IIIB is a complete music reproduction system including electronics, transducers and cables. Only the sources (turntable, download server, blueray, DVD, CD players, tuner etc.) have to be added.
The *Inspiration System*® XS-IIIB allows an absolutely holographic reproduction of musical events. The system provides all the features of the *Inspiration System*® XS-IIB.
It comes in an enclosure having smaller footprint and uses many of the same type of transducers as the XS-IIB.

The "R" version of the *Inspiration System*®, the XS-IIIB-R, is for use with the *Resolution Series* power amplifiers (e.g. for clients who already own a *Resolution Series* power amplifier - or clients who request to use *Resolution Series* amplifiers).
The "R" version is the same as the XS-IIIB but instead of built-in crossovers it uses a pair of additional external crossovers and a special set of cables for connection of crossovers, the preamplifier, the power-amplifiers and the cabinets.
The cabinets and transducers are identical.

Linear Frequency Response

Low frequency limit: depending on room size and acoustics
High frequency: 28000 Hz

Low frequency limit: depending on room size and acoustics
High frequency: 28000 Hz

System includes

- 8 selected transducers in special enclosures
- 2 built-in Low- and High-level crossovers
- 2 Interconnect cables from preamplifier to F10B-XSIII amplifier
- 2 dedicated multicore cables
- 2 transducer mounting base plates
- resonance eliminators
- Complete acoustic model analyses and audilisation
- Installation, complete calibration and fine tuning of the system to customer-specific listening room

- 8 selected transducers in special enclosures
- 2 built-in High-level crossovers
- 2 external Low-level crossovers
- 2 Interconnect cables from preamplifier to crossovers
- 4 sets of dedicated speaker- and 2 multicore cables
- 2 transducer mounting base plates
- resonance eliminators
- Complete acoustic model analyses and audilisation
- Installation, complete calibration and fine tuning of the system to customer-specific listening room

Total Crated Weight

Transducers: 90 Kg
Transducers, electronics, pre- and power amplifiers, accessories and all cables: ca. 200 Kg

Transducers: 90 Kg
Transducers, electronics, pre- and power amplifiers accessories and all cables: 200-300 Kg

Transducer Size

Dimensions incl. base plate: 46cm x 62cm x 119cm

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Finish

Special high-class medium-gloss champagne gold

Special high-class medium-gloss champagne gold

Required additionally

2 pcs dedicated F-10B-XSIII stereo power amplifiers
1 *Resolution Series*® 155, 245, 255, 266 or 268 preamplifier

2 *Resolution Series*® stereo or 4 mono power amplifiers
1 *Resolution Series*® 155, 245, 255, 266 or 268 preamplifier