



Newform Research produces an array of finished loudspeaker systems and kits all based around our new technology Ribbon midrange/tweeters. These new drivers capture the transparency, openness and detail of the classic design Ribbon and electrostatic speakers while being far less demanding in terms of placement and specialized and expensive amplification.

Our Ribbon speaker systems are suitable for virtually any home application from dedicated high end, pure audio to very musical home theater systems. Whatever the size or application, Newform systems all share the dynamics, smoothness and musicality which are hallmarks of our new Ribbon technology.

From the LineSource Monitor to the R630v3 to the LineSource Reference, our loudspeakers offer superb fidelity and soundstaging previously available only from vastly more expensive and less practical designs. For those new to upscale audio, the sound will be a revelation. Experienced audiophiles, used to mortgage like price points, will be astonished at how affordable the state-of-the-art has finally become. All users can obtain excellent results very easily and very quickly.

Newform Research loudspeaker systems have been widely reviewed and highly praised in numerous international audio publications. The bare Ribbons themselves are being integrated into systems and custom manufacturers in many parts of the world. This brochure covers a comprehensive range of topics from the fundamental advantages of Ribbon drivers to product applications to setup suggestions for your specific room. It will answer many of your questions. For those it doesn't, please phone or email and we will do our best to help you identify your optimal solution in the rapidly changing world of high fidelity in the home.

Note that a wide variety of custom finishes and custom cabinets are available for special customer requirements.

Clockwise from left: LineSource Reference front, R645v3 no grill front angle, NHB645 front angle, R630v3 front angle grill on, LineSource Monitor front

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For model specifications please see our product brochure "The Starting Lineup"

NATURAL RANGE LOUDSPEAKERS

The Newform Research family of Ribbon loudspeakers was developed around a very simple goal: don't compensate for errors, eliminate them. This required a clean sheet design of Ribbon drivers with broader ranges, smoother frequency response and more ideal dispersion than either conventional dome/box speakers or existing planar designs could offer.

Our wide bandwidth Ribbons cover both the critical mid-range and treble allowing the woofer to operate within its natural range where its distortion is the lowest, dispersion is the widest and frequency response is the smoothest. Operating in its natural range, a woofer stays quick and clean enabling it to fully complement the transparency of the Ribbon.

Why Ribbon drivers? With extremely low mass and driven over their entire diaphragm area, Ribbon drivers avoid many of the problems inherent in their cone and dome siblings. Not only do cones and domes have greater mass, they have far less directly driven area, (the apex of the cone and the perimeter of the dome) with which to achieve perfect control. Ribbon drivers are also inherently phase coherent over their entire bandwidth which is a major contributor to their ability to reveal a tremendous amount of the music's inner detail.

Why Newform Ribbons? The Newform design is a modern, clean sheet design benefiting from both 20/20 hindsight on 40 years of film driver development and a clear vision of future applications beyond pure 2 channel audio. The Newform Ribbon is a wide dispersion monopole (sound emanates from only the front) whereas all other panel (film) speakers are narrow dispersion dipoles with sound emanating from both front and rear (dipolar). This is of major importance in both room setup and any move to surround sound.

The Newform diaphragm is very narrow (3/4") and is positioned at the front of a swept-back magnet structure, minimizing diffraction and baffle bounce, thereby improving soundstage depth and focus. The inner detail of the music is then free to emerge. Newform Ribbons are higher constant impedance, easier loads than the older designs which significantly reduces the stress on the amplifier and these new technology Ribbons deliver the dynamics that the music demands.

In addition our Ribbons offer superb fidelity and soundstaging that will fully involve you with the music and lower the entrance fee for true high fidelity in terms of both equipment costs and listening room requirements. Those who have experienced the transparency and musical truth of the classic design panel speakers will never be satisfied with a conventional dome system again. Now, with the practicality of the Newform Ribbon, music lovers can have the fidelity they cherish in a system that accommodates their room, electronics and future home entertainment trends.

A RIBBON FOR EVERY APPLICATION

Newform makes Ribbon drivers in four different sizes; 8", 15" 30" and 45". This range provides an ideal solution for virtually every application that home audio installations are likely to involve. The benefits of the larger Ribbons are found in the areas of sensitivity, maximum output, depth of soundstage and vertical coverage. The smaller Ribbons offer a wider range of placement and decor integration options. Whatever size of Newform Ribbon

you select, be assured the clarity, smoothness and musicality will remain consistent. A great home theater system is a superb audio system played in conjunction with video. Pure audio will be the same system with the video turned off. Home Theater will be the path that will lead many future audiophiles back to music. Although home theater and pure audio have been polar opposites in the past, with the advent of thin profile TVs and front projectors music and video can happily co-exist in one system.

The Dolby Digital and DTS specs are clearly intended for use with mono-pole speakers since the back wave of a bi-polar arrives 5 to 15 milliseconds after its front wave. This delay in arrival will degrade soundfield coherence and the source localization effects.

Newform Ribbon speaker systems are designed with the both pure audio and home theater environments in mind. Using R630v3s, or R645v3s or LSRs as the front left and right may make subs unnecessary for many people. For home theater the ideal speakers will be tall to match the size of our growing screens, narrow, to minimize diffraction and minimize decor and placement problems. These systems must have very high definition and dynamics to exploit the large improvements in recording and production techniques which are now being broadly implemented.

Newform Ribbons present a tall and deep audio image which matches the scale of the larger video images and thus avoid the disconnect of looking up to the screen and listening down to the speakers.

Precise time arrival, broad horizontal dispersion and transparency are the factors which contribute to a focused, coherent soundstage and true high fidelity. Newform Ribbon systems meet all of the sonic requirements demanded by both music and home theater formats. Also of critical importance when building a system, is the mix and match capability of our Ribbon speakers since they all have the same sonic characteristics and similar dispersion patterns. An excellent soundfield can be set up in surround systems without a centre channel speaker. Set up the Ribbons for a great soundstage and then select the "Phantom" mode (centre off) on your processor/receiver.

For most people, eliminating the centre channel will produce a more coherent, more natural soundfield especially given the huge variability in movie and audio programming. Have the speakers as far away from the TV (large reflective surface) as possible. Always make sure the seated listener's head is in the "sweet strata". A great soundstage in audio makes for a coherent soundfield in video. Optimize first in stereo since it is easier to identify the best setup. Newform Ribbons produce a coherent, vertically directional waveform, naturally, with no cancellations to limit soundstage degrading ceiling and floor reflections. Whatever the format true fidelity and musicality are the ultimate objectives.

BUYING STRATEGY TIPS

Given the onslaught of digital technology don't spend large amounts of money on amps, processors and speaker cables. Why? These are being taken over by digital technology which means better performance at lower prices every 12 months. This also applies in spades to video projectors. See our website www.newformresearch.com for a digital amplifier perspective.

LOUDSPEAKER TECHNOLOGY

Loudspeakers are merely air pumps. The speaker with the greatest fidelity is the air pump producing the fewest errors. (room interactions aside). Film drivers have the greatest potential for making the fewest errors given their low mass and virtually 100% driven diaphragm. The low mass and excellent diaphragm control can also produce the near absence of diaphragm resonances which is a major source of harshness and listening fatigue in cone and dome drivers.



The Newform Ribbons take film drivers to their next level by eliminating the well known problems of classic designs and taking advantage of new advances in our understanding of what constitutes true high fidelity to the human ear. Our new technology Ribbons improve on existing Ribbon and electrostatic designs by representing high, purely resistive loads with virtually zero loads that any amplifier can drive to the best of its ability. At the same time, the higher sensitivity further reduces amplifier stress and allows the greater dynamics of our systems to be exploited. Newform Ribbons provide extremely smooth and extended frequency response with unmatched horizontal dispersion.

Why do our new designs compare so well to the classic electrostatic and Ribbon designs? Newform Ribbons have narrow (3/4”), tightly suspended diaphragms that inherently provide extremely good horizontal dispersion. As one of our kit customers pointed out, “Newform Ribbons simply store less energy than any other design I have heard.” The less stored energy, the cleaner the sound. Once we have exploited the benefits of film diaphragms to create a superior soundwave, there is the question of delivering that wave to the listener’s ears with maximum integrity.

Diffraction is a critical performance factor. Our Ribbons have the smallest acoustic profile of any driver operating from 1 kHz up. When it comes to acoustic profile, the less you see, the more you hear. The entire structure is only 3-1/4” wide and 2-1/4” deep. It is heavily beveled at the front and the diaphragm is within 1/8” of the front of the structure. Given the narrow width of the diaphragm (dispersion is a function of diaphragm width and

wavelength), there is very little to interfere with extremely even off-axis response.

Wide and very even off-axis dispersion patterns are prime contributors to a deep and well-focused soundstage. The clarity, which is created by our narrow film diaphragm, is maintained by the absence of anomalies as the waveform moves beyond the loudspeaker structure and into the room. Once into the room, the sound field will not be degraded by ceiling and floor reflections because as broad as our horizontal dispersion pattern is, our vertical dispersion is conversely limited. This line source characteristic is of extreme importance to soundstaging focus and depth as well as to soundfield coherence in home theater.

Conventional system manufacturers are coming to this conclusion as well as can be seen by the emergence of systems in the higher end featuring dome arrays. These arrays produce cancellation patterns which effectively reduce vertical dispersion. Newform Ribbons produce a naturally limited radiation pattern which does not rely on cancellation patterns for vertical control. The more quickly the sound decays, the cleaner the sound and greater the ability to define subtleties in the music.

What the Ribbon design does for our mid-bass drivers is also extremely important. By crossing over at such a low frequency, the Ribbons allow the mid-bass drivers to operate within their natural range, before resonant cone breakup and beaming degrade both on and off-axis response. With conventional systems, crossover points are above 2 kHz and as high as 3.5kHz. These high crossover points move cone breakup into the audible zone no matter how complicated the crossover and create large off-axis suck-outs which severely degrade the focus of the soundstage and mask detail.



- Narrowest acoustic profile
- Widest, most even horizontal dispersion
- Unsurpassed soundstage, focus and depth
- Minimal baffle bounce equals superb music detail at high or low levels

CABINET TECHNOLOGY

Many people have said our Ribbon speakers produce the finest high end in audio. Obviously, we don't take issue with those statements and for the third generation of the R630 and R645, we have elevated the already excellent performance of our midbass systems to a level of musicality approaching that of our Ribbon drivers.

For the v3s, we have stayed with the superb ScanSpeak carbon fibre pulp coned 7" midbass. Made in Denmark, these midbass loudspeakers offer excellent bass reach and transient response and have proven to be virtually bulletproof in the field. Many high end loudspeaker manufacturers feel as we do, using the ScanSpeak in their finest designs, very few of which are sold below the \$5000 level.

WHY IS A 2 WAY DESIGN IMPORTANT?

Why is a two way system so desirable? In a word, simplicity. A well executed 2 way eliminates the complexity of adding a midrange driver with its associated dispersion, phase, and crossover problems. The low crossover point of our unique Ribbon drivers allow a full range system that delivers the full musical spectrum without the off-axis upper midrange suck-outs typically found in two way dome tweeter systems

WHY IS THE CABINET IMPORTANT?

The job of a speaker cabinet is to contain the rear wave of the midbass driver so it does not cancel the front wave. In doing so, the cabinet should not contribute any sound of it's own or introduce radiation anomalies as the front wave from the diaphragm moves around the cabinet sides. If the walls move, they create detail obscuring noise. A speaker cabinet should not perform like a violin body! The cabinet with the best damping of the back wave, the best damping of the walls (to minimize "wall talk") and the lowest diffraction will do the best job of getting out of the way of the music.

The R645v3 bass cabinet weighs 75 pounds (34 kg) without wood base (4kg) or R45 Ribbon (22)kg. You can't really appreciate acoustically dead weight until you pick it up for the first time!

NEW CABINETS

The cabinet changes from the Version 2 R645 are quite significant. We have gone to a sealed enclosure from the ported configuration. This has improved transient response in the midbass as well as the pitch definition of the bottom end.

At higher volumes a sealed enclosure will "hang together" better than a ported configuration reducing unwanted oscillations of the diaphragm and breathing noises from the port itself. A sealed enclosure is also much easier to equalize for a better room response and it generally presents a slightly easier load for the amplifier to drive. Obviously sealed enclosures have fewer placement issues given that clearance around the port no longer has to be considered.

In going to a sealed enclosure, we have taken the opportunity to completely overhaul the construction of the bass enclosure. In a word, it is a vast improvement over most of the speaker cabinets high end or otherwise on the market. The v3 speaker cabinet is extremely rigid, well damped inside and highly acoustically

streamlined on the outside to reduce diffraction to the minimum. It features a very attractive look with an acoustically dead solid surface top.

Now, with even greater transparency due to the addition of very sophisticated diagonal internal wall damping, bracing, backwave absorption and diffraction minimization (be sure to TAKE THE GRILLS OFF for critical listening) these classic loudspeakers stand still further ahead of the field.

R630V3 AND R645V3 CABINET ATTRIBUTES

The R630v3 and the R645v3 speaker cabinets have been quite heavily upgraded. The objectives were to improve bass pitch definition, midbass transient response and reduce diffraction effects. These new cabinets meet their design targets very successfully but, as you can see, they are far from simple to construct!!

Features of the new cabinets:

- heavy shelf bracing using void free Baltic Birch plywood
- complete diagonal wall bracing (Baltic Birch)
- damped wall surfaces (3 layer damping pads)
- damped air volume (acoustic foam)
- damped cross braces
- decoupling mat on top and bottom of cabinet
- solid surface Corian top
- seamless, large radius vertical edges

The new LineSource Reference Modules also incorporate most of this new cabinet technology in addition to ultra rigid formed and curved maple plywood walls.

Bottom line: Superior construction yielding excellent internal damping and very low wall vibration plus excellent anti-diffraction characteristics. The basic elements of the speaker cabinet construction are as follows:

- Vertical Wall thickness 1" high quality MDF board
- Bottom thickness 1" bottom + 0.070" damping pad
- + 1" MDF base
- Top thickness 1" top + 0.070" damping pad
- + 0.5" Solid Surface polished top
- Shelf braces 2
- Diagonal wall braces 9
- Vertical Corner Contour Heavily radiused (1.5")
- Wall Damping Damped walls _ Multiple layers
- Cross Brace Damping Damped cross braces damped with 0.070" barrier mat



FORMED CABINETS

We make great mention of our Ribbon driver technology throughout this brochure and on our website but the importance of the enclosure to midbass transparency and bass pitch definition cannot be overstated.

V3 Enclosure technology takes the conventional 6 sided box close to its limits of performance inside and out. How does one measure a loudspeaker enclosure performance? By it's degree of invisibility. Inside, it damps the rear wave of the diaphragm. Outside, it allows the soundwave from the front of the diaphragm to radiate cleanly into the listening space without reflection off the baffle or discontinuities in side radiation around the edges of the cabinet called diffraction.

The construction of the enclosure should be such that it is perfectly inert, with no vibrations or movement, adding no voice of its own.

The short story: the diaphragm creates the soundwave as faithfully as it can. Anything added or subtracted by the enclosure reduces the fidelity of the system as a whole. The v3 enclosures get out of the way of the original soundwave better than virtually any other conventional enclosures.

The Newform formed enclosure technology used in the No Holds Barred and Line-Source Reference systems are just that little bit more acoustically visible. The walls are slightly more rigid, the internal reflections are slightly lower and the diffraction effects are basically as low as it is possible to achieve.

EVEN MORE RADIAL ENCLOSURE TECHNOLOGY

The No Holds Barred formed enclosures take loudspeaker cabinetry up a notch. Using moulded 3/4" maple plywood for the cabinet walls yields an incredibly rigid structure whose shape has been optimized for both internal and external acoustic considerations. Result: very low levels of cabinet colouration. Translation: more transparent midbass and superior bass pitch definition. - music sounds cleaner and more lifelike.

TURNABOUT IS FAIR PLAY

The v3 cabinets use heavy and inert 1" mdf for the body panels and the more rigid Baltic birch for bracing. The NHB turns this around by using ultra rigid maple plywood for the body and a combination of mdf and Baltic birch for the bracing. These materials are softer and better able to dampen vibration transfer.

Both the v3 and No Holds Barred cabinets have very heavy multi-layer damping glued to the interior walls to maintain noise (vibration) free surfaces so only the loudspeaker diaphragms do the talking. For volume damping in the enclosures we use 1" acoustic foam.

The bracing and the damping methods used in both types of cabinets use very high quality materials and require considerable time to fabricate. However, once you have felt the rigidity and inertness of these enclosures, you'll understand how well all of this effort has paid off.

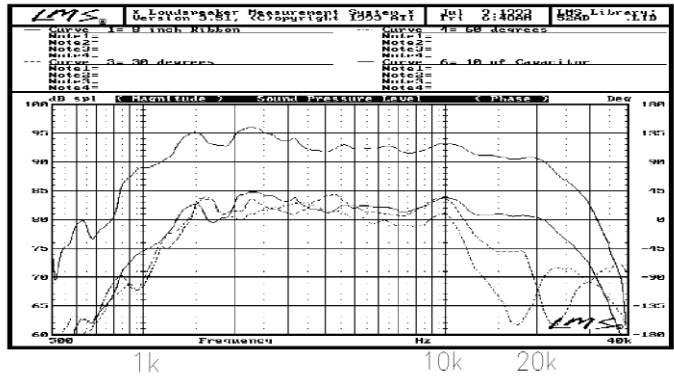
Externally, the formed cabinets are shaped in a fashion simply not possible with flat mdf sheet. The very large radiused vertical edges reduce diffraction dramatically and also offer shape and finish options which will fit into more rooms than conventional enclosures.

The formed midbass enclosures are available in the No Holds Barred models as well as the Line-Source Reference. State-of-the-art never looked so good. Speaker enclosures have never gotten out of the way of the music so well.



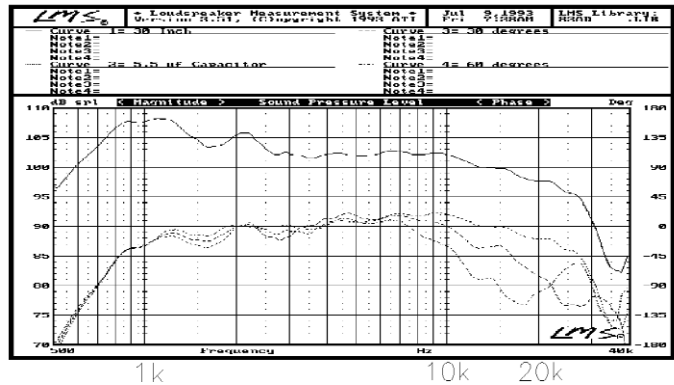
R8

- Height 8.5" – Width: 3.3" – Depth 2.5" – Weight 6lbs.
- Frequency Response: 1.2 k - 20khz + / - 3db
- Nominal Power: 20 watts
- System Power 100 watts
- Sensitivity 85 db at 1w, 1m
- Impedance: 9 ohms Straight Line
- Capacitor Value to Obtain Lowest
- Recommended Frequency: 10uf
- Termination: stranded wire form end cap.
- Recommended Users: any 2 way system with 8" or smaller woofer. In wall custom installations. Centre channel or rear channels in Home Theater Dolby Digital systems when used with a mid/base driver extending response down to 100hz. Give them air and a world-class soundstage will be yours.



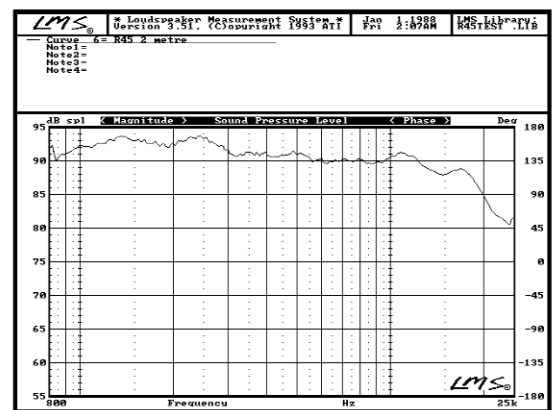
R30

- Height 30.8" – Width: 3.3" – Depth 2.5" – Weight 24lbs
- Frequency Response: 1000 hz - 20khz + / - 3db
- Nominal Power: 60 watts
- System Power 200 watts
- Sensitivity 88 db at 1w, 1m
- Impedance: 7 ohms Straight Line
- Recommended Lowest Frequency: 950 hz
- Capacitor Value to Obtain Lowest Recommended Frequency: 8 uf
- Termination: 5 way gold plated binding posts.
- Recommended Uses: any 2 way system with woofer smaller than 8". In wall custom installations. Any channel Home Theater Dolby Digital systems. Small to medium permanent sound reinforcement systems stacked in line source arrays. Give them air for a truly superb soundstage.



R45

- Height 46.5" – Width: 3.5" – Depth 2.75" – Weight 44lbs
- Frequency Response: 950 hz - 20khz + / - 3db
- Nominal Power: 80 watts
- System Power 250 watts
- Sensitivity 91 db at 1w, 1m
- Impedance: 4.8 ohms Straight Line
- Recommended Lowest Frequency: 950 hz
- Capacitor Value to Obtain Lowest Recommended Frequency: 12 uf
- Termination: 5 way gold plated binding posts.
- Recommended Uses: any 2 way system with woofer smaller than 8". In wall custom installations. Any channel of Home Theater Dolby Digital systems.
- Small to medium permanent sound reinforcement systems stacked in line source arrays. Give them air for a truly superb soundstage.



Specifications for Oval Ribbons currently being developed. Please email Newform for details.

Glad to hear your show went well. I am amazed more each day on these (R645v3) speakers. Love them.

– Thanks R. W.

I've had a pair of the new R630v3's for almost 2 months now. Fantastic sound! Bass goes down very low now. Soundstaging and imagery are outstanding. Definitely need to be bi_wired now and need about 50_100 hours burn_in for the speaker to come together but once it does this speaker reaches a new level.

– Very happy results. Marc

John, Got up at 6:30AM this morning and turned stereo on. I have a 300 disc CD changer, great for break_in. Started changer on first disc and let it play. While I get ready for running around I listen and stop every once in a while. I'm amazed at how good the speakers sound. I think you make a great speaker at a bargain price. Not everybody will like the look and I feel sorry for them.

– Jim South Carolina

With the 630v3s (relative to 830s) I seem to be getting:

- more detail and clearer sound, even at lower volumes
- more authority
- a better 3D musical image
- improved ability to play louder without any loss of quality
- a more pleasing sound that can be quite hypnotic and addictive
- crisper hand claps and crisper brushes going across cymbals
- voices that should be coming from the centre of the tv screen seemed to be more pronounced and easier to hear.
- small musical details that I had never noticed before were now making themselves heard
- a more effortless listening experience
- better sense that some pieces of music consist of multiple layers of sound

These 630 improvements are not minor, they are significant and easy to detect. I am delighted that I decided to make this upgrade.

Even regular tv shows listened to via Dolby PL 2 seem to be better, especially some of the commercials.

Before the 630s I don't think I would have been so aware that the commercial was sounding better than the program.

With the 630s I seem to be more aware that the soundtracks on some DVDs are better than others. Prior to the 630s I would have considered them equal.

– D.S. Ontario

John, I'm up and running. They sound great so far. I am an opera enthusiast and opera is the type of music (I would argue) that most benefits from accurate spacial presentation. On the Newforms good opera recordings (esp the older 1960s and early stereo ones) give a positively spooky sense of space. Sometimes a little too much: sometimes I can hear or imagine I can hear the microphoning arrangement and spot_lighting. Also I am amazed at the quantity and quality of the bass. Best regards

– Julian S UK

The R630V3 is breaking in fastly. After replacing the stock ribbon caps to Mundorf Supreme, I hear more details and air. Also, the woofers are now making deep bass better than they did a week ago. The imaging gets better after some tuning in the speaker position, but the sweet spot seems to be rather small, less than 50Cm wide. Any way, I love this speaker, thanks. Regards,

– Sun, Korea

The Ribbons sound great, the mid_bass units seem to be coming along slowly. At first I was concerned that this design was overdamped but each time I play them they seem to have a bit more life. I always end up buying floor models so I've never had to "break in" a speaker. I am very impressed with the build quality. I am very very happy with this system and I thank you for making what I consider to be an astounding bargain available to audio enthusiasts. I would like to congratulate you on your Ribbon design. I have never heard reproduced music like this before. Details, details, more details.

– L.L. Florida

The imaging is remarkable. I shall forbear a rhapsody in the awful style of "Stereophile": sufficient to say that one can hear separate voices in the choir on the Bach B Minor Mass we have.

– D.B. Colorado

The imaging and detail from these Ribbon speakers is stunning.

– R.B. Manilla

My R8-1-30 continues to be a great pleasure and the strong point of my stereo set-up. Let me tell you about the sound. It's wonderful.

– J.R. Buffalo

Thanks again for a superb product. They make me just listen to the music again.

– L.S. Nova Scotia

I have had my speakers since March and they are superb!! I am constantly stunned by their imaging and clarity.

– mg Cyberspace

After 10 years of trying, your Ribbons have finally gotten rid of the "squonk" ("box sound").

– Thank you! D.A



Soundstage

R8-1-30, Spectron

Doug Schneider • www.sstage.com

This ribbon's sound is exceptionally transparent, revealing, with wonderful body and weight. There is an incredible amount of detail and a fabulous sense of transparency. At the same time, this ribbon retains its composure and unlike other ribbons I have heard is never, never, never harsh.

If it sounds as though I am raving, it is because I am. The ribbon has extremely good horizontal dispersion resulting in good off-axis performance. As well, they handle a lot of power and are capable of producing near ear-splitting volume levels. Where many speakers begin to choke, the Newforms begin to sing. ... the R8-1-30 captures and conveys the "soul" of the music. As well, with the detailed yet non-fatiguing nature of this speaker, they were ideal for overall voice reproduction. The R8-1-30s are some of the best speakers for home theatre that I can think of at anywhere near this price. The result was thrilling. Furthermore, I felt no need for a subwoofer at any time.

Starry Eyed ... The R8-1-30 offers aspects of performance that outclass many speakers near this price. As previously noted, the high level of performance is mainly due to the ribbon unit. Within the ribbon's range, the speaker compares to other speakers costing upward of two, three, or four thousand dollars. The performance in the lower frequencies is very good, but not outstanding in the same way and is more in line with speakers selling in the sub-\$2000 range. Taken as an overall package, the R8-1-30 is a star performer. At \$1236 the R8-1-30 represents superb musical value and is simply a steal for someone contemplating setting up an outstanding music/home theatre system.

Audio Ideas Guide

R8-1-30 x 4 in home theatre,

Andrew Marshall, Canada

The R8-1-30 achieves a superb +/- 2dB tolerance between 40 and 10,000 Hz. The 30" Ribbon is as well a behaved treble reproducer as I have seen. A pair of these speakers can form the acoustic end of a very fine high end audio system, and a quartet, well, they make up as good a home theatre system as I've ever heard. These speakers will handle power like few others, the ribbon having tremendous dynamics and no breakup modes whatsoever.

Because of excellent lateral dispersion, the individual speakers tend to disappear, but very exact imaging is provided by each line source. The other aspect of the Newform ribbon that should be emphasized is its speed: the dynamic capabilities are lead by extraordinary transient capacity. I've lived with the Newform quartet now for a couple of months, and have come to appreciate their honesty; next to them most other home theatre systems are decidedly coloured sonically. It took living with and then measuring the R8-1-30 for me to objectively realize how



really good these speakers are and how superbly well suited they are for high end home theatre systems. Simply put, reference quality.

Soundstage, Montreal Audio Show Report Soundstage, Montreal Audio Show Report - No Holds Barred

Doug Schneider www.sstage.com

The Newform ribbon is one of the finest midrange/tweeter ribbon drivers I have ever heard. It is exceptionally detailed, yet smooth, with excellent dispersion characteristics. The NHB sound at the show was very detailed with an excellent soundstage. Newform Research deal only factory direct which makes their speaker prices very competitive. John had things very well balanced and the system was sounding very natural with the ribbons, dynamic modules and subs integrating seamlessly. Speaker placement must be a breeze with these because I was getting good imaging from just about anywhere I stood.

Audio Review

R8, Focal Kit

Bruno Ragionier, Italy

Translation not available but "Un grande tweeter" perhaps doesn't need any.

Speaker Builder, No Holds Barred

Robert Greene, Joe D' Appolito USA

But not only do the NHBs present a large, expansive, seemingly unlimited sound picture, they also produce unusually realseeming instrumental or vocal images. The whole effect is startlingly convincing. And none of the astronomically priced box speakers I know of do any better, nor even as well. It won't be easy to go back to box loudspeakers. The song may be over but the soundstage lingers on.

NEWFORM COMMENTS ON THE REVIEWS

The themes running through all of the above reviews are detail, transparency and soundstaging. The reviewers comment on these qualities not just in relation to similarly priced loudspeakers but in absolute terms. The R830 review by Andrew Marshall is important because it finally addresses the advantages of our Ribbon design in a surround sound application. The Speaker Builder article by Robert Greene looks beyond the loudspeaker system (NHB) to the presentation of musical space and is a flat out endorsement of our Ribbon technology as the best there is for soundstage (stereo) and soundfield (surround sound) creation.



WHY SETTLE FOR A POOR SEAT IN YOUR OWN THEATER?

Next to the loudspeakers themselves, proper room setup is the most important factor in the listening experience. Describe your room to us and we will help you to achieve the best results. You will need a tape measure and about 15 minutes of your time. Each of the squares in the box below represents 1 foot.

Draw in the outline of your room to the nearest foot. Sketch in doors, windows major furniture, large plants etc. Indicate what each side wall is made of. Please add your own comments and make your own specific answers. Please provide the following information. Check off appropriate choice and feel free to make your own comments.

| Type of Building | Listening Rm. Location | Wall Material | Floor Type | Floor Covering | Ceiling Type |
|---|---------------------------------------|--|--------------------------------------|------------------------------------|--|
| <input type="checkbox"/> Single House | <input type="checkbox"/> Basement | <input type="checkbox"/> Concrete | <input type="checkbox"/> Concrete | <input type="checkbox"/> Broadloom | <input type="checkbox"/> Concrete |
| <input type="checkbox"/> Attached House | <input type="checkbox"/> Main Floor | <input type="checkbox"/> Dry Wall | <input type="checkbox"/> Wood Joists | <input type="checkbox"/> Hardwood | <input type="checkbox"/> Wood Joists |
| <input type="checkbox"/> Apartment | <input type="checkbox"/> Second Floor | <input type="checkbox"/> Wood Paneling | <input type="checkbox"/> Tile | <input type="checkbox"/> Area Rugs | <input type="checkbox"/> Suspended Glass |

| Type of Amplifier | Main Music Source | Main Type of Music | Typical Listening Level |
|---------------------|---|------------------------------------|---------------------------------|
| Make _____ | <input type="checkbox"/> CDs | <input type="checkbox"/> Classical | <input type="checkbox"/> Low |
| Watts/Channel _____ | <input type="checkbox"/> LPs | <input type="checkbox"/> Rock | <input type="checkbox"/> Medium |
| | <input type="checkbox"/> Tuner | <input type="checkbox"/> Folk | <input type="checkbox"/> High |
| | <input type="checkbox"/> DAT | <input type="checkbox"/> Jazz | |
| | <input type="checkbox"/> Laser Disc (video) | | |

YOUR ROOM LAYOUT

Name: _____

Address: _____

City/Prov/State: _____ Postal/Zip Code: _____

Tel: _____ Fax: _____ E-mail: _____

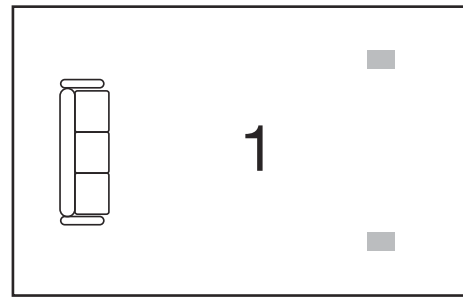
Our goal is to deliver a true high fidelity experience in your room quickly and easily. This will avoid frustration and unnecessary furniture movement. Virtually any room can produce good sound with the right setup. The following diagrams will assist you in achieving optimal sound performance.

BASIC SETUP RULES

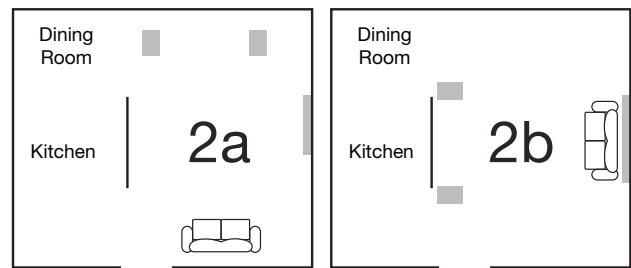
Strong reflections foul the soundstage and upset tonal balance and must be avoided whether from the front, side or rear wall. This can be accomplished by moving the speakers away from the walls and/or putting something on the walls, bookshelf, tapestry, plant etc. to break up the reflecting wave. Toe-in can also be used. Once the reflected waves are in balance the soundstage will become very well defined with excellent depth and focus. Bass becomes stronger and usually less well defined as the speakers are moved toward the walls and corners. As they are moved toward the listening position, these tendencies are reversed. Changes of as little as several inches can produce dramatically different results. Your room is unique. The key to success is experimentation and simplicity.

WHY THE EXAMPLES WORK

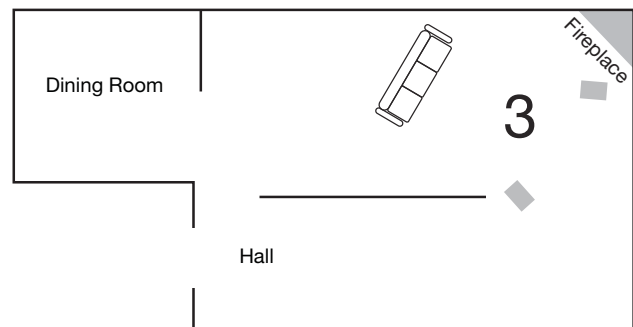
1. This large rectangular room with no obstructions allows the speakers to be moved well away from the front and side walls and the listening seat is well forward of the rear wall. The reflections are weak and well delayed relative to the direct wave.
- 2a. Typical apartment setups can be done like this or as per 2b. The speakers have plenty of air and the right side wall is treated in some fashion.
- 2b. This setup quite a bit of air but requires a large amount of sound absorbent material behind the listeners head to damp the reflected rear wave.
3. Going diagonally across a room breaks up the reflections and gives an excellent soundstage in what otherwise would be a very compromised installation. No wall treatment was used but the speakers were toed in.
4. Placed on either side of a large opening into another room, depth of soundstage is excellent due to a weak front reflection and room re-arrangement is minimal. Side walls need some treatment (plant and bookcase, etc.).
5. If you are set up well for stereo, you can be just as well set up for home theater if you can locate the rear speakers behind and off to the side of the seating position. The object here is to create an enveloping soundfield as opposed to being blasted with noise from the four corners of the room.



Large Listening Room



Apartment



Diagonal Setup



*Listen for:
soundstage, depth
and focus
bass extension
and clarity*

Assembly consists of taking the mid-bass enclosures out of the cartons, attaching the bases and setting them up. For the smaller speakers, no assembly is required as the Ribbons are attached to the bass enclosures.

For the systems using the R30 and R45 Ribbons, the Ribbons are packaged separately and must be bolted onto the brackets on the top of the mid-bass enclosures. This is done by first inserting the two smaller bolts bottom rear of the Ribbon structure and sliding their heads into the keyhole slots in the bracket. These smaller bolts do not have to be tight as they are there for alignment and stability. The larger bolt should then be inserted and tightened finger tight. Connect the interconnects from the binding posts on the top of the enclosure to those on the back of the Ribbon and installation is complete.

Warning: The Ribbons are heavy and smooth so handle with care so that you do not drop them or put pressure on the screen in front. Do Not Move Speakers with R45 or R30 Ribbons attached as they may topple over.

SPEAKER PLACEMENT AND ROOM SETUP

After the loudspeakers themselves, proper placement in the listening room is the most important factor in your listening pleasure. Due to their exceptionally wide and consistent horizontal dispersion, Newform Ribbons are capable of presenting both unsurpassed soundstage depth and focus. The best room setup sacrifices the least of their potential.

THE IDEAL SCENARIO

Under ideal circumstances, the bass response will be tight and deep and the soundstage will exist in three dimensions with precise 3D location of all of the music sources. The soundstage will extend to the sides of the loudspeakers themselves and the speakers will “disappear”.

ROOM PLACEMENT ISSUES

Bass response will vary with the distance between the speakers and the back and side walls. Bass depth and output will be reinforced by backing the speakers into corners or up against the back wall. Such locations typically produce too much bass and sacrifice depth of image. Corner placement may also degrade the horizontal image.

Soundstage has three variable components; breadth, depth and focus of image. There should be an even distribution of sound across the soundstage with no holes in the centre (i.e. where sound can be distinctly heard to be coming from the individual left and right speakers). Depth of image is usually the hardest to achieve but when it is achieved, musical sources extend back into space behind the speakers. The curtain goes up! The precision of the location of the instruments within the soundstage should develop as the horizontal and depth properties are improved. Generally speaking, the further out from the front wall, the greater the soundstage depth. Consider moving them out for critical listening sessions when it is not possible to have them out in the room all the time. The depth effect is highly variable from room to room. As always, experiment.

Newform Ribbon Series Loudspeakers were originally made for the seated listener. But most current models have the vertical coverage for “mobile” listening. When the listener's head is significantly above or below the plane of the Ribbon drivers, high frequencies will be reduced. If you like to walk around when listening, then the R645v3, LSRs are recommended.

Strong wall reflections can degrade the soundstage but fortunately the solutions are simple. A strategically placed plant, bookcase, tapestry etc., will reduce sidewall reflections. Make sure both sides of the room are as balanced as possible. With all Newforms, the best results are usually obtained with the speakers facing directly forward. Toeing in the speakers results in less information being reflected off the side walls which can be beneficial in some rooms. Toe in may also be necessary if the listening position is close to the speakers. The advice above holds true for most loudspeakers. Newforms are actually easierto setup than most due to the lack of ceiling bounce and rear wave.

Do you think you have a soft (acoustically absorbent) room because of the carpets and couches? The Ribbon sees the walls above the 2 foot level. Walk around the room clapping your hands to judge the echo. If you get lots of it, you will have to take greater care in the room setup.

TIPS

- *Placing subs in close proximity to the listening seat often reduces room modes.*
- *Corner placement and using both a front and rear sub may also reduce strong modes.*
- *Allow 3 weeks for the Ribbons to break in but you should notice a significant difference in 3 days.*
- *For different speaker placements, move the listening seat closer and further away from the speakers to learn how the direct/reflected sound balance changes.*
- *Avoid strong rear reflections.*
- *Don't over damp the room. Keep it simple.*
- *Make sure the ribbons cover the seated listener's ear.*
- *Put the sub in the listening seat and then walk around the room to find where the bass is the best. Try the sub there.*
- *Ideally the surrounds should be behind the plane of the listener so they aren't pointing in from the sides.*

R630V3, R645V3, LSR MODULES

Designed to be placed some distance out from the back wall (3' to 6') and the side walls (2' to 4'). All of these distances are relative to the hardness or softness of the room. More air for hard rooms, less for soft. The ample bass output of the R645v3s allows them to be located far from the walls for maximum depth of stage. The listening position should be between 1 and 1.5 times from the speakers to the distance between the speakers.

SUBS

The subs should provide solid bass to around 20Hz in room. The key elements in integrating a sub seamlessly are picking the location with the fewest room modes (i.e. smoothest and deepest response at the listening seat) and crossing over low enough (35-50Hz) to avoid muddy mid-bass and localization of the sub. A sophisticated electronic crossover is very valuable in this area either in your processor or in the subwoofer itself. Experiment with tuning the phase in every different location. This will help eliminate 'fat midbass' and maintain the speed of the system.

All Newform speakers produce very substantial and tight bass and are typically run full range. Subwoofers will have to be high quality to properly augment already excellent bottom end performance.

PLACEMENT – THINGS TO AVOID

Avoid placing the listener's head close to a hard rear wall. Reflection from the wall will play havoc with both imaging and bass response. If the listening position must have a wall right behind it, cover the wall with Sonex, a heavy curtain or a tapestry laid over fiberglass or foam acoustic insulation etc. Whatever the method, the listeners ears must not be subject to a strong, direct rear reflection.

Don't place one speaker beside a reflective wall and one with open space to the side. Try to make the acoustic floor plan acoustically symmetrical for both right and left sides. If there is open space on one side try to simulate space on the other with absorbent material on the wall, plants etc. Avoid putting large objects in between the speakers. If a large TV or equipment rack (especially with glass doors is placed between the speakers, try to have the object recessed as far as possible. If the object is close to the same depth plane as the speakers, both horizontal and depth elements of the soundstage will fall short of the speakers potential. Don't make assumptions or expect the speakers to work well just because they are setup roughly the same way they were in a friend's sound room, Your room is unique. It has different dimensions, furnishings and its boundary walls are made of different materials.

Once you understand the trade-offs, the key to success is experimentation. Try various positions and listen for the differences on different pieces of music. Even a change of two inches one way or the other can result in dramatic improvements at the listening position. But be careful when moving the speakers, they are tall and heavy! Don't install the spikes until the best position is found. If you run into problems, call Newform for ideas. With the vast majority of rooms, a 90% setup can be achieved very quickly with the final 10% coming with small tweaks over the break-in period.

Once you have optimized placement, it will be possible to forget about the loudspeakers and enjoy the music to its fullest.

Factory Direct Sales also means Factory Direct Support from the designer. Make use of our expertise.

SUGGESTED HOME THEATRE SYSTEMS

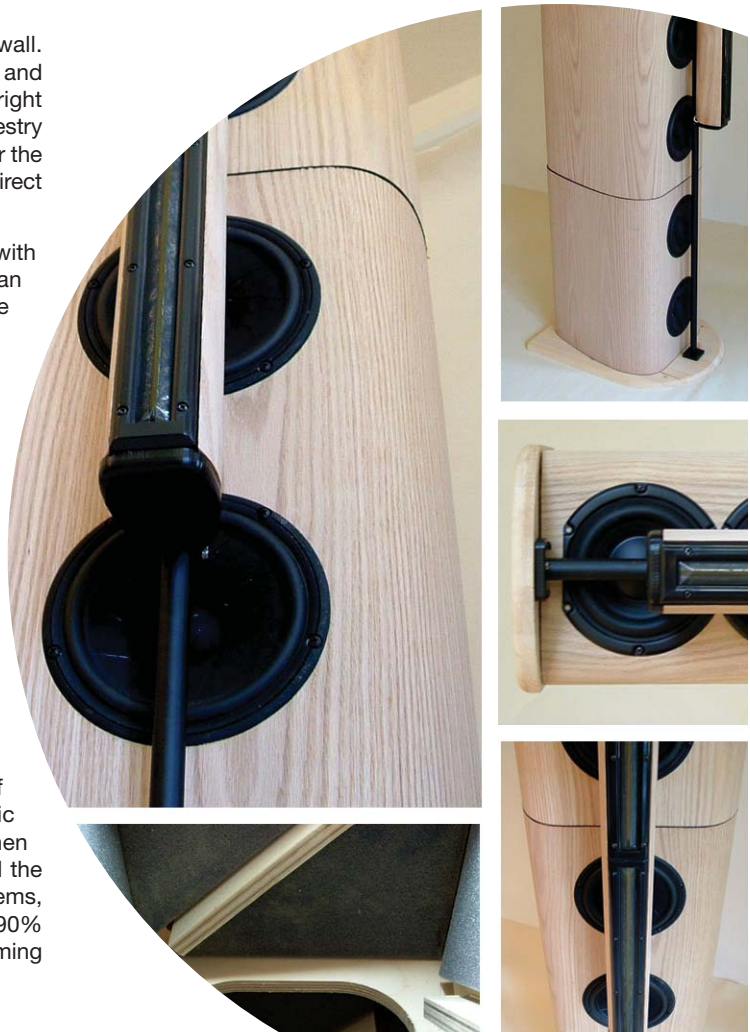
For a world-class home theatre system depending on the room, one of the following configurations should be ideal:

MEDIUM TO LARGE ROOMS

- 4 x R630v3 (add a first-class sub-woofer)
- 2 x R645v3 up front
- 2 x R630v3 in the rear
- add a first-class sub-woofer for the bottom half octave
- LineSource Reference Modules 2, 3, 4 no sub required for pure music.

SMALL TO MEDIUM ROOMS

- 2 x R630v3 and sub-woofer with possibly omni speakers on rear walls.



THE FINEST HIGH END IN AUDIO

The choice of electronics is completely 'open ended' since Newform Ribbons represent such a benign load. Our systems are being driven by everything from home made 7-1/4 watt, 300B tube amps to 200 watt Levinsons and 500 watt monoblocks. Cheaper receivers are getting very good as well. The Panasonic XR45, 50, 55, 57, 59 series offer digital amp sections which send most big iron, old school, high end amps packing. Onkyo, Pioneer and Yamaha are now offering receivers with fairly advanced room correction. Their amp sections are getting better too.

In the end, your favourite amp will be able to deliver its best performance so don't be restricted by conventional guidelines. Since our speakers will work with any commercially available amp, base your amplifier decision on sound quality and output level in your room. The chart below will help you quickly arrive in the right ballpark. These power ratings are for most of our speakers which are medium sensitivity. For R645v3 and LSR models only half of the power is required. Also, the use of a powered sub-woofer will cut your power requirements by up to half.

HIGH EFFICIENCY SYSTEMS

Single ended tube amplifiers typically have outputs of under 10w and so require a very sensitive loudspeaker to obtain reasonable levels of playback. SE tube amps are also less stable than transistor amps and must have a high, relatively stable impedance in order to produce a flat frequency response. The LineSource Reference and LineSource Monitor can accommodate both of these requirements.

CD – DVD PLAYERS

There has been a great deal of difference in the sound quality of various CD/DVD players over the years. On the whole, sound quality has improved immensely but there are still differences. But it's where the differences are that is a main source of confusion.

The differences between the digital outputs of the best cd player on the planet and the cheapest, will be far smaller than between the analog outputs. Why? It is in the conversion from digital to analog and back that the most errors are made. Building a first class digital-to-analog converter (DAC) circuit takes time and money. A lot more than building a digital to digital port.

Are you using the digital output only from your dvd/cd player to go directly to your pre-amp/processor or receiver as most people do? Then don't pay the extra hundreds or thousands of dollars for a player deemed to sound fabulous in a review which focused on the analog outputs!

BLUE RAY PLAYERS

Sound quality of the new high definition players should be no problem and easily match that of dvd/cd players. These new players have the potential to offer a step up in sound quality due to the high res formats they can accommodate and output via their HDMI ports. When all of the formats and standards eventually line up, then they should sound superb. Don't hold your breath.

MUSIC SERVERS

Computer based music servers can handle the high res sources (24/96 and up) and have the potential to improve both sound quality and convenience dramatically. The lack of standards and extremely limited high res music options are the (hopefully) temporary holdups.

HIGH RESOLUTION SOURCES

Newform has developed a method of relating the potential fidelity of different formats from wax drums to LPs, CDs and all digital formats. The Fidelity Potential Index now appears on our website under Planet Audio and provides a very informative summary and standard for audio playback specifications. There is also some lively discussion. What sounds better absolutely is not answered but the question is now well framed.

ROOM CORRECTION

Now common in mass market receivers, this process allows some sonic problems created by the speaker/room interaction to be minimized. Much more transparent than they used to be, this processing can still draw some life out of the music but there can be big payoffs in spectral balance. Not perfect yet but real progress.

DIGITAL CROSSOVERS

Another area of great advances in loudspeaker systems, these digital crossovers offer a huge amount of flexibility and power and also can deal with some room resonance issues. A tremendous advance over passive crossovers, they require bi-amplification and are complex to integrate into any system but especially a home theater system.

The Behringer DCX2496 is incredibly versatile and cheap while the DEQX probably sounds better. It should.

But as far as sonic performance goes, digital crossovers are a big step up. All you have to do is pay. A high quality, reasonable cost, simple and flexible all digital chain solution may be available in early 2010.

| AMPLIFIER WATTS/CHANNEL FOR DESIRED VOLUME LEVEL | | | | |
|---|-----|-----|------|--------------|
| ROOM SIZE Sq.Ft. | LOW | MED | HIGH | VERY HIGH |
| Small 100 sq.ft. | 5 | 20 | 50 | 100 |
| Medium 200 sq.ft. | 10 | 40 | 100 | 200 |
| Large 400+ sq.ft. | 10 | 80 | 200 | 500 |

VALUE VS. COST

*The benefits of New Technology
Sold Factory Direct*

Audio enthusiasts are looking for verifiable performance, not fads.

Custom installation has become very popular given the complexity of current systems which has frustrated many audiophiles onto the sidelines. However, custom installation pushes the cost of fully functioning high end music _ home theater systems well out of the price range of most music lovers.

But things are beginning to change back in favour of the performance oriented hifi hobbyist. Format chaos is largely past. The formats are here but now we clearly understand they aren't going anywhere. The digital trend is lowering both the cost and the human interface complexity of high end systems.

A 4.1 surround sound system (using wide horizontal dispersion speakers) is as complex as it needs to get and is now well within the ability of enthusiasts to set up and fine tune.

Expert advice is generally welcome in this process and that is where Newform excels. With the demise of knowledgeable high end shops, expert opinion is still available, included in the cost of the product itself as opposed to being an extra charge as in the case of the high end installer.

Here is the cost structure in simple terms.

Factory Direct Model

Product Cost + Overhead + Profit = Selling Price

Dealer / Custom Installer Model

Manufacturers Product Cost + Overhead + Profit) + (Distributor Overhead + Profit) + (Dealer Overhead + Profit) = Selling Price

Please note that while the dealer/distributor system of sales is vastly more expensive, the manufacturers typically have larger runs and lower production costs.

But overall, genuine factory direct sales offer large savings to the individuals confident and experienced enough to take advantage of them.

Newform Research spends far more on product development than we do on advertising and promotion. This is possible for a direct sales manufacturer but not for a dealer based distribution business model. We price our product on a cost up basis not on a list price down basis. In fact, if we had to sell product through a dealer network (never mind a dealer/distributor network) our list prices would have to jump more than 100% to allow for heavier promotion, bad debts (a biggie) and wildly extended payment times.

Custom installation has become very popular given the complexity of current systems which has frustrated many enthusiasts onto the sidelines.

Newform Research is very small but very healthy. We spend far more on product development than we do on advertising and promotion. This is possible for a direct sales manufacturer but not for dealer based distribution. We price our product on a cost up basis not on a list price down basis. In fact, if we had to sell



product through a dealer network (never mind a dealer/distributor network) our list prices would have to jump more than 100% to allow for heavier promotion, bad debts (a biggie) and wildly extended payment times.

An indication of how the true factory direct cost structure stacks up against that of normal retail distribution can be seen clearly in our models using the renowned ScanSpeak 8545 carbon fibre pulp cone mid-bass. There are virtually no systems using this superb driver listing below \$5000 per pair. Even at much higher prices the high frequency driver is an off-the-shelf dome (although almost certainly of very high quality). Contrast this with the R630v3 price per pair delivered which includes a very large and very expensive 30" Ribbon compared to a plug and play dome tweeter. You will continue to see many small companies adopting the factory direct approach. Some larger companies will attempt the conversion as well but it is a lot harder to grow down than it is to grow up. The high end audio industry is continuing to live in interesting times but we feel that whatever may happen, the flight from fads towards value will continue.

The bottom line is: don't pass over our loudspeakers simply because they cost far less than you would expect to pay. Our loudspeakers offer world class soundstaging, transparency and musicality regardless of price.

1 YEAR 100 % TRADE-IN UPGRADE POLICY

Concerned that you might not end up with the right loudspeaker? Maybe you are buying too much speaker, maybe not enough. Maybe its just plain not appropriate anymore. What about the cost of upgrading?

To take some of the worry and risk out of buying loudspeakers, Newform is offering a 1 year 100% trade-in policy. If you buy a Newform product and decide you want to step up, Newform will apply 100% of the original purchase price to the new speakers. A \$50 handling fee applies and you must pay return freight on your tradeins.

This can apply to any product except bare Ribbons and kits. All shipping, taxes, duties etc. are included as usual. This will allow audiophiles to buy the minimum they think they might need and upgrade if they feel they need to do so up to a year later. Since Newform owners tend to hold on to their speakers for a long time, depreciation is not really a big issue here. The upgrade policy is designed to make sure you settle down painlessly with the right speaker for the long haul.

You have probably purchased quite a number of audio components in your lifetime. You know your musical tastes and your aesthetic requirements. Using the Newform R630v3 as a central reference point of value, performance and simplicity, let's see where we go from there to satisfy other priorities.

MORE BASS

Only a very good sub will improve the on the bass performance of the R630v3. The big Paradigms, HSU, M&K, Bag End and the larger Velodynes are a few examples.

HIGHER OUTPUT

R645v3, LineSource Reference and NHB 645

HIGHER EFFICIENCY

R645v3 or LineSource Reference

SURROUNDS

The R630v3 and the R645v3 will allow you to avoid a rear sub in a surround system but the LineSource Monitor has very decent bottom end and it was designed as a surround monitor.

GREATER HEIGHT

Do you like to stand up and walk around when you listen?

Then the height of the R645v3 or LineSource Reference are for you.

A REALLY BIG ROOM

If you want to "Light Up" a room of over 400 sq. ft., then you will need a sub-woofer and the R645v3 or the LineSource Reference in a suitable 3+ Module configuration.

ON-WALL

The LineSource Monitor can be mounted on wall but given its near 50 pounds, make sure it is "on stud".

SMALL ROOM

The LSM has surprisingly extended, tight and dynamic bottom end and can do very well on stands one or two feet out from the wall.

DESKTOP

The LSM works well as long as the magnetic field from the Ribbons is over 2 feet away from any CRT monitor. Don't put magnetic media within a foot.

STUDIO NEAR FIELD MONITOR

That is what the LSM was designed for. Align and shoot.

CENTRE CHANNEL

The application we love to hate. If you absolutely have to use a centre channel, then it is the LSM. Mounted below the screen and angled up to cover the strata of the seated listeners' ears for extremely broad and even coverage.

Newform's evolutionary Coaxial Ribbon LineSource loudspeakers (patent applied for) take music delivery in the listening room several steps closer to perfection than any previous loudspeaker design. For the full description of this development, please see our website under Coaxial Ribbon LineSource white paper.

Since all Newform loudspeakers share the same transient capabilities, horizontal dispersion and timbral balance, there is a tremendous family resemblance in their sonic character. This is a critical consideration when expanding into a multi-channel system where soundfield coherence is dependent on the integration capabilities of all of the loudspeakers. The mix and match capability is so great with our Ribbon systems, the only limitation is physical fit and SPL output requirements. Otherwise, any of our systems can be put in any location. This improves flexibility and eliminates the possibility of wasted expenditure. Every audio system and every person is different. Keep in mind that helpful, expert advice is only as far away as your telephone, fax or keyboard.

HOW DO YOU PICK THE RIGHT SPEAKER SYSTEM?

Start by thinking about your music. Understand how you listen and the room you will be listening in and the right speaker choice will become clear to you.

The Right Loudspeaker for your music, for your ears, in your room.



LOUDSPEAKER CHOICES 20 YEARS OUT

Electronics for home entertainment 20 years from now are probably going to be unrecognizable. In terms of fidelity potential and room compensation, they will lay the groundwork for superb music reproduction in the home. Newform loudspeakers will work hand in hand with these electronic advances by providing the widest dispersion over the listening area and the lowest reflections from the ceiling and floors of any loudspeakers on the market. These physical, in-room advantages are a function of loudspeaker design and cannot be compensated for electrically.

HOW DOES NEWFORM ASSURE YOUR SATISFACTION?

By discussing your music taste, your room and your system. Once we are sure we have a good match, we can guarantee your satisfaction.

If, after going through our consultation process, the speakers do not work with your system, in your room, to your satisfaction, we will take them back up to 30 days after purchase and give you a full refund of the merchandise cost. This offer applies only to complete factory systems and not to bare Ribbons or kits.

Why has our return rate been near zero? The process and the product. The process assures a thoughtful selection. The comments from customers express how the products stand up according to the people who have paid their own money and lived with them for extended periods of time.

Newform warrants all of the products it sells to be free from defects in material and workmanship for a period of five (5) years from the date of purchase by the original owner. If any unit fails under normal use, within the warranty period, Newform will pay one way shipping costs and all customs and duty in North America plus all parts and labour costs to restore the defective unit to original specifications.

SIMPLY PUT

If you experience a problem with your Newform Research loudspeakers please call, fax or e-mail and we will quickly help to solve the problem. Newform Research has been in business, conducting research since 1986 and has been shipping Ribbons since 1992. We sell factory direct Worldwide and through direct distributors and custom manufacturers in a number of overseas countries.

The focus of Newform Research is on practical excellence and simple design for the purpose of producing superb musical experience in the listening room. We see the fusion of audio and video systems in the home. Our objective is to offer the highest standard of fidelity in a scalable, anti-obsolescent format. That is, products which are state of the art from either a 2 or multi-channel perspective and scalable to allow for painless expansion.

Our loudspeaker systems with their new Ribbon technology have solved a number of problems. They have squeezed the musicality of the large panel speakers into much smaller, more practical packages. They have substantially lowered the price of admission to high end sound. They have increased the ease with which a synergistic, first class sound system can be assembled. Newform Ribbons have opened up the future to seamless system expansion regardless of what format changes may occur in home entertainment. This will assure that in the future, the music will only get better.

Newform Research

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