

Catalogue Number 32



The Audio Concepts, Inc. listening room



Audio Concepts, Inc.

We're Working For You!

- * Fast, efficient service
- * Only the BEST products
- * Guaranteed BEST Pricing
- * Guaranteed satisfaction
- * Easy ordering 1-800-346-9183
- * Easy to figure shipping charges
- * Quality
- * Value
- * Stability & Security
- * Showroom & Demo Facilities

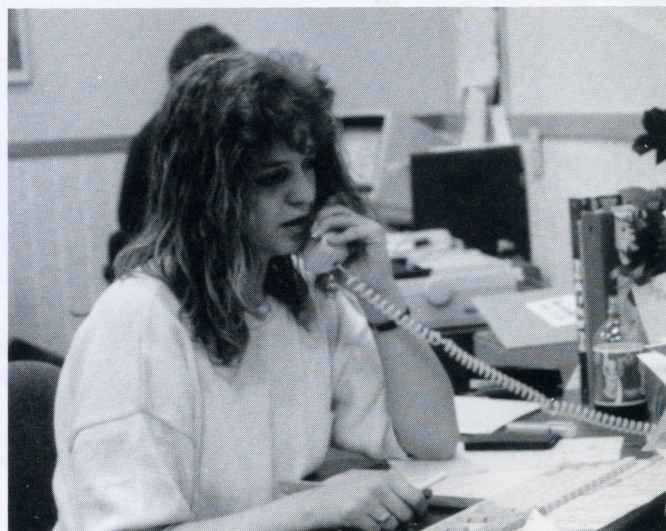
Phone

(608) 784-4570

**901 S. 4th Street
La Crosse, WI 54601**



Arlene taking a customer's order



Michele answering a customer's question

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Method of Payment

Pre-payment with certified check, money order, Visa or Master Card will immediately expedite your order. Personal checks take two to three weeks to clear. Overseas orders must be pre-paid in full with U.S. currency.



Delivery & Shipping Charges

DELIVERY

*All orders will be shipped by UPS (Manuals will be sent U.S. Mail)

*UPS 2nd or Next day packages: Call for rates (608) 784-4570.

*APO/FPO addresses: We will ship PAL (Parcel airlift). Call for rates. Call for overseas, Alaskan, Hawaiian, Puerto Rican, & Canadian delivery information and rates.

SHIPPING CHARGES

KITS (or any order containing a kit): Add 8% to the total order.

OTHER ORDERS: Minimum shipping and handling charge of \$5.00. Maximum charge of \$16.00. Anything in between add 8%.

APPROVED DEALERS: Dealers will pay exact charges, which depend on the weight of the package.

C.O.D.s

C.O.D.s are a good faith transaction. There is a \$4.00 charge on all C.O.D. orders and a \$5.00 minimum shipping charge. Any order over \$200.00 requires a 25% down-payment. Payment for C.O.D. will be cash, certified check or money order. NO PERSONAL CHECKS will be taken on C.O.D. orders. If any C.O.D. is refused or returned to us for any reason you will be liable for a 15% restocking charge. NO C.O.D.s ON BACK-ORDERED ITEMS.

Phone & Mail Orders

*PHONE orders are for credit card or C.O.D. orders only. Please have ALL information ready BEFORE you call the 800 line. The 800 operators will not offer any technical assistance on this line. Please call (608) 784-4570 for assistance.

*MAIL ORDERS must have complete address information and payment information for your order to be expedited quickly. Wisconsin residents must include 5% sales tax, or submit tax exempt number. Sales tax not charged on out of state deliveries. UPS does not deliver to P.O. Boxes.

Pricing

We periodically "shop" the competition to make sure we have the lowest prices. If you happen to see a lower current price somewhere, let us know, we'll gladly meet or beat that price! Prices effective 7-1-89. Prices subject to change without notice.

Our Guarantee & Warranty

KITS: If you are not 100% SATISFIED with one of our kits FOR ANY REASON, we will give you a FULL refund. You have 30 days after you receive an AC kit to decide if you want to keep it. We believe that you must be satisfied with the speaker in YOUR home. If you are thinking of purchasing somewhere else, insist on the same security. Over the last several years our return rate has been LESS THAN 1%! We couldn't make this offer if we didn't have a superior product.

*Please call for a return authorization number. Pre-pay the UPS shipping charges back to us, and send us a dated receipt of the charges and we will reimburse you. Ship in the proper shipping containers. You will be issued a FULL REFUND for your original invoice, plus shipping.

*Kit Warranty: For two years, AUDIO CONCEPTS, INC. will, at

it's option repair or replace factory defective components. This warranty does not apply to products which have been abused or damaged in shipping. Please call for a return authorization number.

DRIVERS, CAPS, COILS ACCESSORIES:

Unless otherwise specified, drivers, caps, and coils are guaranteed against original manufacturers' defects only. Anything returned under warranty must be returned within 90 days of the date of purchase. No returns will be accepted without prior authorization from Audio Concepts. We cannot replace products that have been damaged in shipment; that is the responsibility of the shipper. We cannot replace products that have been improperly installed and abused. Audio Concepts, Inc. reserves the right to determine the cause of product failure and to replace or repair the product at our option. All returns must have a return authorization number.

SOLDERING VOIDS WARRANTY

Returns and Damages

RETURNS

Please call for a RETURN AUTHORIZATION NUMBER and information for returning a product. (608) 784-4570. All returns must be made within 15 days of receipt (except kits). Customer pays shipping back plus 15% restocking on returned items.

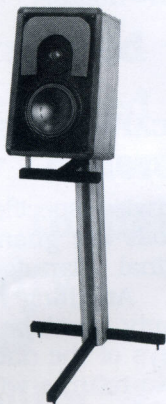
DAMAGES

Report all damages to the carrier in your city. They will come to inspect the damaged product and give you a set of "damage numbers." Call us when you receive these numbers and we will ship new merchandise to you. (608) 784-4570.

Compact Monitor

Parts Kit: \$325.90

Full Kit: \$419.90



The Compact Monitor is a state-of-the-art small speaker. Owners often compare it with the Celestion SL600 (\$1800 pair), the Compact Monitor more than holds its own. In fact, the Compact Monitor has three advantages; deeper bass output, higher efficiency, and higher output levels. Besides an incredible ability to sound like real music, the Compact Monitor can play louder and cleaner than just about any other speaker of comparable size. No wonder it's so popular! We highly recommend the AC stands for this speaker. They allow the precise positioning and coupling to the floor that will give you that "reach out and touch the musicians" realism.

That's not all! Want even more dynamics and bass? A pair of Pulse subwoofers can be easily added at any time. The passive crossover will provide for a smooth blend. For those who really want the best, biamping with an electronic crossover and Pulse or Saturn subs will give you sonic excellence for a fraction of what you would expect to pay.

Go out and buy any pair of small speakers that you like from \$500 to ANY PRICE, make sure that you can get a full refund on them. Send for ours. Try them for 30 days. Most people take the expensive speakers back after the first day or two! Just think, for the price of a pair of Celestion SL600s you can own a pair of Compact Monitors, Saturn subwoofers, Sledgehammer Electronic Crossover, a second amplifier, and AC stands!

Assembly time: Under three hours.

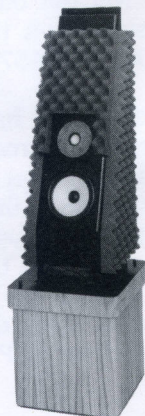
NOW
WITH

Acoustical Magic™

Sapphire

Parts Kit: \$399.90

Full Kit: \$849.90



If you want the absolute best in imaging, resolution and overall musicality, look no further. Music heard through the Sapphire sounds alive. Audition speakers in any price range, then listen to the Sapphires. You'll keep the Sapphires!

Most speaker enclosures add unwanted resonances and colorations to the sound resulting in a loss of clarity, detail and three-dimensionality. The panels and edges of most cabinets also cause diffraction, which gives the speakers a "boxy" sound. The unique construction of the Sapphire eliminates most cabinet resonances and diffractions. Listen to the best from Acoustat, Apogee, KEF, Infinity, ProAc, Quad, Thiel, Vandersteen or Wilson Audio. Compare them to the Sapphires. Notice the correctness of harmonic texture and timbre. Hear the appropriate sizing of individual instruments and voices. The musical image from the Sapphires is palatable and real.

For the ultimate system, add a pair of Saturn subwoofers. This setup must be heard to be appreciated. The Saturn passive crossover yields a seamless integration.

The Saturns must be six to eight feet closer to your listening position than the Sapphires for correct balance and alignment. Using an electronic crossover and bi-amping to the subwoofers will mean less critical placement and greater dynamic range but the cost will be significantly higher.

If you are an audio perfectionist, you will gain more musical satisfaction from the Sapphire than you ever thought possible. Call us now and enjoy them soon!

Assembly time: Under seven hours.

What do you get when you purchase an AC Kit?

All Audio Concepts, Inc. kits are available in two forms:

PARTS KITS include: the drivers, assembled and tested crossovers, (no soldering required, all connections with push-on aircraft type terminals, all cabinet stuffing materials, (depending on the kit: foam, dacron, or wool), a tube of silicone sealant for installing crossovers, foam tape to use as gaskets for the drivers, and a complete manual with instructions for cabinet drawings. You build the enclosures from our drawings or modify to suit your needs.

FULL KITS include: all of the above, plus assembled cabinets* with assembled grills, and all mounting hardware. The oak or walnut veneers are sanded but unfinished. You may finish to suit your taste with oil or lacquer. A FULL KIT can be assembled by anyone in a couple of hours!

*The Super Titan cabinets are shipped in knock-down form to save shipping charges. You only need wood glue to fit the grooved joints together.

Not sure which kit to order?

Call

(608) 784-4570

today and talk to one of our advisors.

Subwoofers

Deep bass is the foundation of music. Systems that lack deep bass usually lose that last bit of ambient information and certainly the power that makes music sound so real in a home stereo. Often, systems that do an excellent job in the mids and highs fall short in the bass. Or perhaps they have reasonable bass extension, but lack the power handling and output at low frequencies to play at loud levels.

Adding subwoofers is a way to enhance the low-frequency performance of a system without hurting, but in fact helping the upper-range performance of your system. By taking the bass "out of" your main speakers, the midrange will be cleaned up because the drivers won't be pumping like crazy trying to make low bass, (this causes Doppler distortion).

Low bass requires size: large driver area, and large cabinets. If you are willing to sacrifice some efficiency, you can get the same extension from smaller cabinets. This is what we've done with our acclaimed PPCB, (push-pull-compound-bass) system. If you look at the drawing, you'll note that we use two identical drivers. One is mounted firing out of the cabinet. The other is coupled in reverse to the external woofer and fires into the main cabinet.

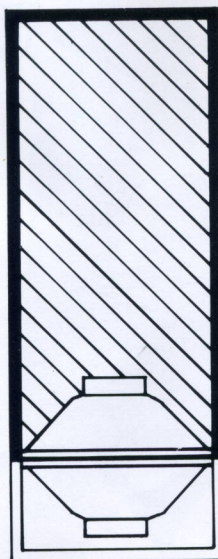
The PPCB approach allows us to get extremely deep, quick, clean and tactile bass out of relatively small enclosures. You'll hear details in the bass that you never knew were there!

Both of our subwoofers are sold in stereo pairs. You can purchase them individually if you like, but we encourage you to go with stereo subwoofers. It's true that most records have the low bass mixed to mono, but many CDs have full stereo all the way down in the bass. With a mono subwoofer you'll be missing some of the ambience and imaging that's available. Use of two woofers also improves room matching and dynamic range.

Saturn

Parts Kit: \$279.90

Full Kit: \$639.90



Every time I see a video of the huge Saturn rocket heading for the moon I think of the ultimate combination of power and finesse. The Saturn subwoofer is a musical version of that rocket. Incredibly powerful, but more importantly, extremely accurate. It will give your home stereo the solidity, power and clarity of live bass sounds. Classical pipe organ, symphonic bass drums, string bass, synthesizers and piano will all take on added realism with the Saturn. There are a lot of subwoofers and a few actually do go flat to the low 20Hz region. Most of these woofers sound muddy and lack definition. The good ones having clarity and detail cost thousands of dollars. The Saturn is simply the ultimate combination of bass power, accuracy and extension in a reasonably sized enclosure. So, take that extra couple of thousand dollars that you didn't have to spend and put it into your musical collection!

You'll note that the Saturn looks much different than most subwoofers. Its tall, column shape only uses up a little over one square foot of floor space. Visually, it provides a beautiful match with a pair of Compact Monitors on stands, or Sapphire speakers. It looks more like a designer pedestal than the awesome slot-loaded PPCB subwoofer that is is! Why shouldn't stereo look good too?

Assembly time: Under three hours.

Pulse

Parts Kit: \$229.90

Full Kit: \$449.90



We should call this the Pulse Mk2 since we've redesigned it with an all new woofer. This is a subwoofer that is fast enough to easily mate with ribbons or electrostatics. The Pulse has been successfully matched with Quads, Accoustats, Martin Logans, and other electrostatics as well as many different satellites. The optional passive crossovers are sold as pairs to be used with stereo Pulse. This crossover will allow you to increase dynamic range and extend the bass of your Compact Monitors or S2s. You won't believe how much power and extension is available from this compact enclosure. You'll feel the low bass as well as hear the wealth of musical detail most people never enjoy.

Assembly time: Under three hours.

*"There are no weak areas!
What can I say? Your design ability
is outstanding!! From the first time I
turned on a disc, wow! Stereo to
match any.*

Cabinet millwork is a work of art!!

- E.P.T.

Fort Myers, FL

C2

Parts Kit: \$149.90
Full Kit: \$269.90



Successor to the highly regarded Mod C, the C2 represents a low cost investment in high quality audio. Efficiency and bass performance are both exceptional for a speaker of this size. The C2 is an excellent choice for use in systems with receivers and integrated amps of between 25 and 100 watts per channel. The C2 is an outstanding selection in any situation that demands good efficiency and output from a small cabinet. Apartments, small living rooms, dorm rooms, extension speakers, or any situation, the C2 is up to the task. We have customers who tell us they like their C2s better than speakers that are much larger and cost two to four times as much!

If you were about to spend \$400-\$800 on Polk, Boston, AR, etc. try these first, we guarantee you'll like them better or we'll buy them back! If you want a truly exceptional stereo image, we recommend the use of the AC Stands. Just hope your friends won't be too jealous! (They'll have to get their own).

Assembly time: Under three hours.

S2

Parts Kit: \$129.90
Full Kit: \$219.90



The S2 features our new AC7 woofer in a space saving enclosure. There are many fine small speakers on the market, but the S2 is priced far lower than speakers which offer comparable performance. Like all our speakers, the S2 is finished in real oak or walnut. This is a speaker that looks and sounds expensive.

Use the S2s as your main system in small to medium sized rooms with 20-100 watts per channel. Or use the S2s for rear or side channel speakers in video and ambience setups. The S2s also make terrific extension speakers for bedrooms or offices. The S2s only flaw is that the cost is so low that no one believes how good they sound until they hear them! Owners report that they run rings around other small speakers that are priced under \$500 per pair.

If you want more bass or louder volume, add a pair of Pulse subwoofers with the passive crossovers. The S2-Pulse combination yields a lot of flexibility and excellent musicality at a very affordable price. Assembly time: Under three hours.

The S2 can be placed on bookshelves, but for optimum performance we recommend the AC Stand. Like most small speakers, the S2 will sound best when they are moved out into the room and about 20 inches high.

Laser

Parts Kit: \$239.90
Full Kit: \$439.90



Take the C2, make the cabinet taller, add a second woofer above the tweeter, use the right crossover and what do you have? A system with extremely high efficiency, excellent output, smoothness and clarity. Add a solid three dimensional image that rivals speakers costing much more. Yet amazingly, it takes up less than a square foot of floor space! All AC speakers are designed to be as neutral and uncolored as possible. They sound excellent with all types of music. But the Laser really is dynamite for Jazz and Rock lovers. As a 4 ohm speaker of high-efficiency, it'll get the most out of receivers and integrated amps running 25 to 150 watts per channel. The sheer dynamic range and output capability for its size has to be heard to be believed. Classical lovers who want great dynamic range in a small size to go with their receivers or integrated amps will also like the Lasers.

Because we've tried to cut our cost to the bone, the Laser is available in oak only. But it's real oak, not cheap vinyl like most other speakers in this price range. Like all our cabinets, this one has internal bracing and is constructed of a very non-resonant type of speaker board.

We're confident you'll like this speaker. It also has the full 30 day money back guarantee like all our kits. Try the Laser and be amazed!

Assembly time: Under three hours.

G2

Parts Kit: \$239.90

Full Kit: \$469.90



The G2 is our best selling speaker, and possibly the best selling kit in America. The G2's success is based on:

- * Excellent tonal balance. Lows, mids and highs are reproduced in correct proportion without colorations.
- * Wide frequency range in a reasonably sized cabinet. The bass goes lower than some subwoofers and the highs are cleanly extended beyond audibility.
- * Accurate three-dimensional stereo imaging.
- * Good efficiency with high power handling to give impressive dynamic range.
- * Attractive appearance; genuine oak or walnut veneers combined with pleasing lines.

The G2 performs well in a modest system. Yet, the potential is such that it fits perfectly with much higher resolution systems. This speaker is equally adept at playing Guns & Roses, Vivaldi or Marsalis. The power and depth of a pipe organ comes through with clarity and realism. You can hear the string sound of the bass. Vocals project clearly and smoothly. Even a difficult instrument like the piano sounds convincing. Enjoy!

Assembly time: Under four hours.

*"For its budget price, the G2 is a very good speaker. As a floor-standing model, it has the advantage that it can be designed for its intended placement, and its size gives the designer room to broaden both the frequency range and the dynamic range compared to a smaller and possibly more expensive speaker." Robert Long **High Fidelity** April 1989.*

M2

Parts Kit: \$279.90

Full Kit: \$599.90



The M2 speaker impressively reproduces all forms of music. If you're into Rock or Electronic Jazz, you'll consider the M2 exceptional. Put on a CD with a lot of electric bass or synthesizer, and you will feel its punch and power. The M2 is a speaker that can help you become involved with your music. The louder you crank it, the better it sounds. This is a speaker for party people.

Unlike many high-output speakers, the M2 projects a good stereo image and has the smoothness and detail necessary to enjoy today's cleaner recordings. Play your favorite CDs, records, or tapes through the M2s and enjoy them as never before.

Like all of our kits, the M2 is extremely easy to assemble. If you can put together a child's tricycle, you can easily assemble one of our kits. You save a lot of money, invest in exceptional quality and gain the satisfaction of doing it yourself!

Assembly time: Under four hours.

To improve transparency and clarity, install a set of our spikes in the bottom. Adding spikes is an excellent way to improve the sound of most speakers for a nominal cost. Coating the inside of the speakers with Acoustic Magic™ also makes a major improvement in sound for a minimal investment.

Super Titan

Parts Kit: \$699.90

Full Kit: \$1099.90



The Super Titan is one of the finest high-output speakers available for home use. Compare it to speakers that cost up to seven times more from companies like B&W, KEF, JBL etc. The Super Titan can hold its own with any of them. Incredible dynamic range is available whether you are listening to Mahler or to Motley Crue. The bass doesn't just play loud and clean, it goes DEEP. You feel the weight of bass below 30Hz from synthesizers, drums, organ pedals, etc. Our unique bass design features two identical woofers. One mounted on the front and one mounted on the bottom. Combined with elaborate internal dampening, this setup yields bass with definition and power that has to be experienced. People spend more for a **single** subwoofer and don't get this quality of bass!

People who have bought the Super Titans tell us that the real surprise was not the bass, but everything else! The mids and highs are more accurate and "real" than many highly regarded speakers. This is one of the very few "big" speakers that will give you a stable, three dimensional stereo image. Not just left and right stereo, but plenty of depth and height as well. Most good small speakers have good imaging, but they give up the power, bass, and dynamics of the Super Titan.

The Super Titan is a four ohm speaker. It is fairly efficient and will play quite loudly with as little as 40 watts per channel. To get the best out of it we recommend a quality amplifier of between 50 and 300 watts per channel. We suggest that your listening room be no smaller than about 10' by 17'. You owe it to yourself to hear the Super Titans, it may be the best musical investment you'll ever make! Assembly time: Five to eight hours.

Kit Features At A Glance

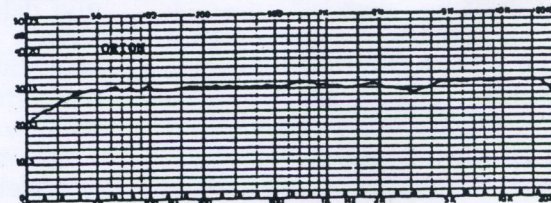
Model	Dimensions Height x Width x Depth	Range + 3db	F ₁₀ ¹	Sen.	Woofers	Midrange	Tweeter	Power
C2	19x12x10 1/2 .86 cubic ft.	48-20K	36	89	AC8		Seas H392	100 RMS
G2	28 1/2 x 14 1/2 x 13 1.69 cubic ft.	36-20K	24	89	AC10 Poly	Seas 10FM	Seas H398	200 RMS
Laser	35x10 1/4 x 12 1/2 1.8 cubic ft.	48-20K	36	93 (four ohms)	AC8 (2)		Seas H392	150 RMS
Super Titan	36 1/2 x 17 x 16 1/2 3.8 cubic ft.	30-20K	21	92.5 (four ohms)	AC12 Poly (2)	Focal 7N313	Dynaudio D28af	300 RMS
Compact Monitor	16x10x8 .46 cubic ft.	43-20K	30	87	Dynaudio 17W75		Dynaudio D28af	175 RMS
Sapphire	35x13x12 1/2 .45 cubic ft.	65-20K	41	90	Focal 7K011DBL		Focal T120K	100 ³ RMS
Pulse	18 1/2 x 14 1/2 x 17 1.25 cubic ft.	34-400	20	87 (four ohms)	AC10 Poly (2)			200 RMS
Saturn	44x13x12 1/2 2.5 cubic ft.	22-200	14	88 (four ohms)	AC12 Poly (2)			300 RMS
M2	36x14 1/4 x 12 1/2 2.6 cubic ft.	30-20k	20	89.5	AC12	10FM Seas	Seas H398	200 RMS
S2	16x10x8 .46 cubic ft.	65-20k	44	89	AC7		Seas H392	100 RMS
Orion	56x13 1/2 x 13 2.5 cubic ft.	35-20k	23	90db (four ohms)	JC12	Focal 5K013L	Focal T120k	200 RMS

¹ F₁₀ is the measured point at which the woofer output is down 10db compared to the midband. This figure often gives a better idea of low bass response than the F3 point.

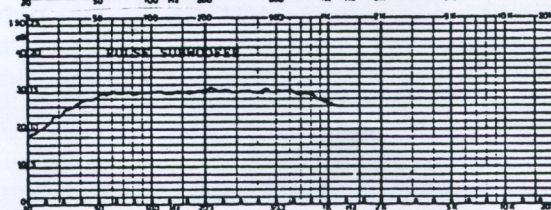
² All crossovers are hard-wired (not circuit boards!), for lowest resistance. Wonder Solder™ used on all connections. Polypropylene jacket, pure stranded copper Livewire Brown™ used throughout. Aircraft type push-on terminals used for driver connections, (no soldering required). All crossover components are matched to closer than 1% tolerance on precision bridges. Gold five-way binding posts are installed which allow you to use: spade lugs, banana plugs, bare wire, or pin connections to your receiver or amplifier. Super Titan and Sapphire have two sets of posts to allow bi-wiring.

³ One Hundred when used full range. One hundred-fifty when crossed over above 100Hz.

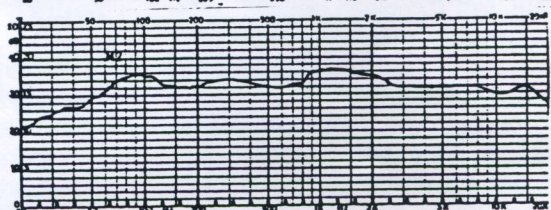
Orion



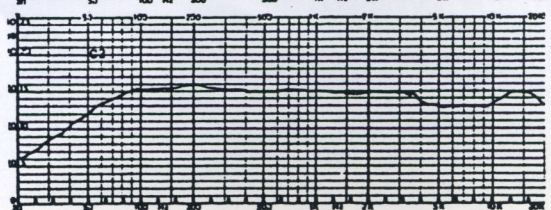
Pulse Subwoofer



M2

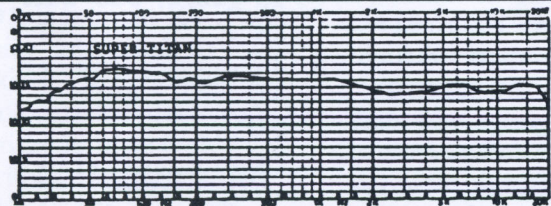


C2

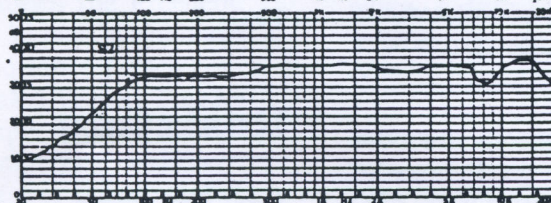


Bass Loading	Crossover ²	Feature / Comments
Sealed	1st order Audio Grade Caps Air Core coil 2.8kHz	Exceptional value. AC Stand is highly recommended. Great speaker for video use also.
Aperiodic	1st order Audio Grade Caps Air Core coil 900 Hz, 6kHz	Phenomenal bass quality and quantity from this size. One of the best values in audio.
Aperiodic	3rd order combination 3kHz Air Core coils	High efficiency, high performance at rock bottom price. four ohm system. Oak cabinets only.
Aperiodic, Variable dampening of foam and long hair wool Aperiodic	Variable slope, Audio Grade Caps Including Polypropylene. 275 Hz, 18db/oct. 5kHz 6db/oct. All Polyprop and Air Core 2kHz variable	A great speaker for those who want accuracy, output, and deep strong bass. You simply can't go wrong with the Super Titan. The best selling high-performance kit in the U.S. AC stands help you get the best imaging.
Aperiodic	All Polyprop and Air Core 2kHz variable	The ultimate satellite. Incredible detail and imaging.
Push-pull compound	Optional 150 Hz	Great subwoofer in compact enclosure. Fast enough for electrostatics etc. Four ohms.
Push-pull compound, slot-load	Bi-amplification or Optional Passive (with Sapphire)	The best subwoofer money can buy for all-around accuracy, power and extension. Four ohms.
Aperiodic	1st order Audio Grade Caps Air Core coil 900 Hz, 6kHz	Excellent three-way design with a lot of clean bass.
Aperiodic	1st order Audio Grade Caps Air Core coil 3kHz	Superb compact speaker at a bargain price.
Slot-load aperiodic	All Polypropylene and Audio Grade Components 200 Hz, and 4.5kHz	Fantastic new speaker. Imaging, dynamics, frequency response and musicality are absolutely first rate.

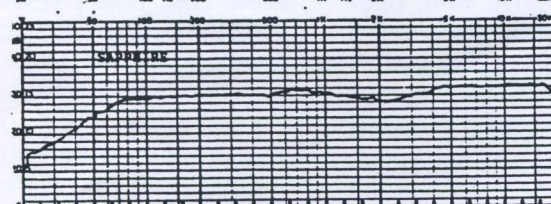
**Super
Titan**



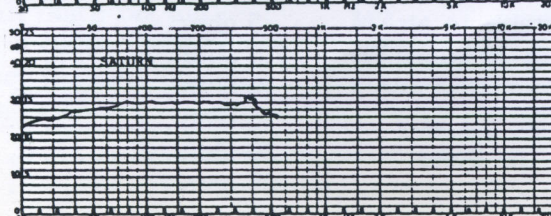
S2



Sapphire



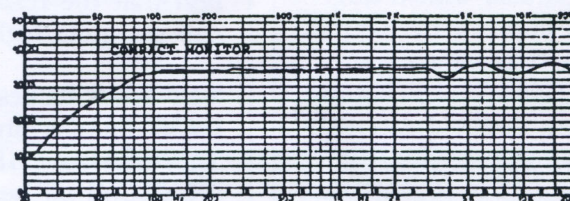
**Saturn
Subwoofer**



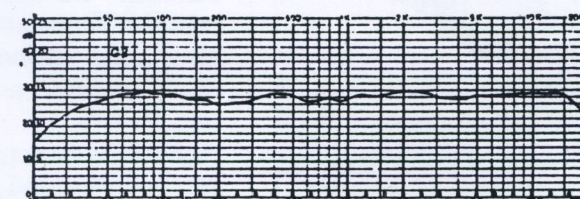
Laser



**Compact
Monitor**



G2



Capacitors

*For low cost, large value capacitors, we stock a line of **non-polarized electrolytics** that have a low DF, 100 Volt rating and 10% Tolerance. Our capacitors are an excellent value when you need a lot of microfarads.

***Chateauroux polypropylene** capacitors are an excellent audio grade capacitor that we sell at a bargain price with a 10% Tolerance, 250v ratings and sizes up to 200 mfd. They are great sounding caps for use in electronics or speaker crossovers. They are very cost-effective!

***IAR Wonder Cap™** is the finest premium audio capacitor available and the result of ongoing research by Peter Moncrief. Used in some of the finest and most costly stereo equipment made, the IAR is rated highly in capacitor reviews published in England. They aren't inexpensive, but if you want the very best, they are a real value.

TIPS

*Add up the values of capacitors when putting in parallel. To get a 3.47mfd. cap, you would parallel a 3mfd. and a .47mfd.

*Midrange crossovers are more sensitive to capacitors than woofer crossovers and, tweeter crossovers are even more sensitive to capacitors.

*Putting a small value, high quality capacitor in parallel with a larger capacitor can improve the sound, and is called "bypassing".

*IAR Wonder Caps™ can improve the sound of just about any amp, preamp, or CD player. Get the schematics, or hire a technician to make the change.

N.P.Electro	15mfd.	.....\$ .99
N.P.Electro	50mfd.	.....1.75
N.P.Electro	100mfd.	.....2.75

Chateauroux	1mfd.	.....\$1.90
Chateauroux	2mfd.	.....2.05
Chateauroux	3mfd.	.....2.20
Chateauroux	4mfd.	.....2.55
Chateauroux	5mfd.	.....2.75

Chateauroux	6mfd	.....3.10
Chateauroux	7mfd	.....3.25
Chateauroux	8mfd	.....3.50
Chateauroux	10mfd	.....4.20
Chateauroux	12mfd	.....4.30
Chateauroux	15mfd	.....5.35
Chateauroux	20mfd	.....6.80
Chateauroux	25mfd	.....7.50
Chateauroux	30mfd	.....9.00
Chateauroux	35mfd	.....9.50
Chateauroux	40mfd	.....10.99
Chateauroux	45mfd	.....12.50
Chateauroux	50mfd	.....13.50
Chateauroux	60mfd	.....15.75
Chateauroux	70mfd	.....17.75
Chateauroux	80mfd	.....19.99
Chateauroux	100mfd	.....23.75
Chateauroux	150mfd	.....34.50
Chateauroux	200mfd	.....43.50

Wonder Cap™	.01mfd	.....\$1.95
Wonder Cap™	.1 mfd	.....2.50
Wonder Cap™	.22mfd	.....3.50
Wonder Cap™	.33mfd	.....2.75
Wonder Cap™	.47mfd	.....3.25
Wonder Cap™	.68mfd	.....3.75
Wonder Cap™	1 mfd	.....4.75
Wonder Cap™	2 mfd	.....6.50
Wonder Cap™	3 mfd	.....7.95
Wonder Cap™	4 mfd	.....9.50
Wonder Cap™	5 mfd	.....7.50
Wonder Cap™	10 mfd	.....11.95

Coils (Inductors)

*We stock three coils. For most applications, the standard **18 gauge air core** coils are excellent. These have heavier gauge wire and are wound to tighter tolerances than many coils available. When you get to larger values, you will find that the resistance of this wire can get quite high.

*For larger values, the **ferrite core coils** we offer are a good choice. They also have 18 gauge wire, but are wound on heavy duty ferrite bobbins. Do not confuse these coils with typical iron cores that have small diameter cores that can easily saturate and cause distortion.

Resistance is comparable to air core coils wound with 12 gauge wire. Their tolerance is 5%.

*For those who require the very finest coils, we offer the **Solen**

Perfect Lay 14 gauge air core coils. These 1% tolerance, high purity copper coils are the choice for those who want the absolute finest in sonics.

Air Core 18 gauge

.1, .15, .2, .25, .3, .35, .5 . . .	\$2.00
.67	2.20
.8, .9	2.95
1.0, 1.1	3.10
1.25, 1.5	3.50
1.75, 2.0	4.20
2.25, 2.5	4.90

Air Core 14 gauge Solen Perfect Lay

.22	\$ 4.50
.33	5.25
.47	6.50
.62	7.50
.75	8.50
1.0	9.50
1.2	11.00
1.5	12.25
1.8	13.75
2.0	14.25
2.5	16.00
3.0	17.75
3.7	19.25
4.0	20.25
4.5	21.75
5.0	24.50

Ferrite Bobbin

18 gauge, 500 watt

2.0	\$ 5.50
2.7	6.50
4.0	8.50
5.0	9.50
7.0	10.00
10.0	11.00
12.0	12.50

Resistors

Sand cast power resistors have a 10 watt rating with 10% or better tolerance.

2 ohm . . . . .	.45 each
3 ohm . . . . .	.45 each
4 ohm . . . . .	.45 each
5 ohm . . . . .	.45 each
7.5 ohm . . . . .	.45 each
10 ohm . . . . .	.45 each
15 ohm . . . . .	.45 each
20 ohm . . . . .	.45 each
25 ohm . . . . .	.45 each

Literature

Manuals for building all of our kits are available for purchase. Manuals are an excellent way for you to see how easy it is to build our kits. Complete cabinet drawings are included for those interested in building their own cabinets. When you order the kit the cost of the manual will be deducted from the parts kit or full kit price. Some manuals contain more than one kit:

#1 Design Manual and Data Pak	\$20.00
#2 Compact Monitor, S2 and C2	10.00
#3 G2	10.00
#4 Super Titan	10.00
#5 Pulse subwoofer	10.00
#6 Saturn subwoofer	10.00
#7 Sapphire	10.00
#8 Focal	3.00
#9 Laser	10.00
#10 Subwoofer ideas manual	10.00
#11 M2	10.00
#12 Orion	10.00

All manuals post paid

The Designer Manual and Data Pak manual #1 is a must for anyone seriously interested in building speakers. It contains more useful information than you can get in hundreds of dollars worth of journals, magazines, etc. Our price includes the excellent "Loudspeaker Design Cookbook," by Vance Dickason. Topics covered are: Sealed-Vented Passive-Radiator-Compound-and-Transmission-line systems. Cabinet construction-driver types-and choices, crossover designs and testing are all covered. Included FREE is a Data Pak which holds information on manufacturers specs, test data and computer designed box sizes for the speakers we sell. But that's not all! You'll also get a coupon that will save you money the next time you order from us.

The Focal manual #8 includes complete specs on all Focal drivers as well as some basic cabinet and crossover plans you can use to build your own. There are some interesting high-efficiency designs to look at.

The Subwoofer Ideas manual #10 includes all driver specifications, performance specifications, recommended box sizes, guidelines for designing your own subwoofers and crossover suggestions.

Cabinets

All our cabinets are real wood veneers. Cabinets are constructed of multi-layer medite and internally braced. Minimum thickness is 3/4". No cabinet assembly required on any speakers except the Super Titan. (You will need only wood glue to assemble the Super Titans.)

Be sure to specify oak or walnut when ordering cabinets or full kits.

Cabinets may be purchased separately. Additionally, the Compact Monitor, the C2, G2, or the S2 may be purchased as blanks with no holes for your custom project. Call for approximate lead time on special order cabinets. And, as always, make sure you specify oak or walnut when ordering.

**NOTE: Lasers only available in oak.*

Compact Monitor:	\$ 115.90 pr
S2	115.90 pr
C2	129.90 pr
Laser (oak only)	219.90 pr
Pulse subwoofer	259.90 pr
Saturn subwoofer	389.90 pr
Super Titan	419.00 pr
Sapphire	459.90 pr
Orion	629.90 pr
M2	349.90 pr
G2	249.90 pr
Focal Eggs (Cast Resin)	290.00 pr
(2 wk. lead-time)	

Need more information?

We can help you make the right purchase decision. We are also available to help you get the best out of your Audio Concepts products once you have them. Phone inquiries welcome. (608) 784-4570.

Hours: 9:00-5:00 C.S.T.
Monday - Friday.
Saturdays from
10:00-4:00

Unsure Whether To Purchase A Full Kit or Parts Kit?

All kit manuals are available for purchase separately. The price of the manual will be deducted from the price of the kit when you order full or parts kits. Look at the drawings and instructions, this will allow you to judge if you have the time and expertise to construct the cabinets yourself.

Call Our Toll-Free Number

1-800-346-9183

when you are ready to place your order.

If you need additional information call our technical assistance line:
(608) 784-4570

Mail orders should be addressed to:
Audio Concepts, Inc.
901 South 4th St.
La Crosse, WI 54601

Speaker Components - Drivers

Today's speaker builder has literally thousands of drivers to choose from. But because of the specialized nature of design, only a handful will be appropriate for a given application. There really is no "best" tweeter, or "greatest" woofer, it depends on what the intended use is. We have applied our experience and narrowed our stock to what we feel gives the best performance and greatest value. There are hundreds of other drivers we could have added, but they didn't meet our criteria for performance and value. You will note that we catalog only current drivers from reputable manufacturers.

We have chosen to present scale drawings with mounting measurements and list specifications of the drivers we stock. We have not included all the manufacturers specifications or response graphs for two reasons:

- (1) Different manufacturers get their data using different test methodology, it's like comparing apples with oranges.
- (2) Including full manufacturers data would more than double the size of the catalog.

If you want 1-4 specification sheets call or send a self-addressed stamped envelope. If you want all the information on these raw drivers we urge you to get the Designer Manual, (see page 11 of this catalog for details).



About the Manufacturers

There are hundreds of speaker companies. But only a handful of plants where the actual raw drivers are built. The following Original Equipment Manufacturers (OEMs), supply drivers to companies such as: DCM, Duntech, Focus, Fried, Fusilier, Martin Logan, Respons, Synthesis, Thiel and dozens of others. Rather than carrying the most, we carry the best!

Dynaudio of Denmark is a relatively small manufacturer. Dynaudio drivers are virtually hand built. They feature innovative technology, and excellent quality control. Dynaudio drivers are used in some of the finest, and most costly systems in the world.

Focal of France manufactures an extensive line of driver. Focal drivers are built

with strict attention to quality. Although Focal drivers are not inexpensive, more and more high-end manufacturers are using drivers designed and built by Focal. We stock Focal cone drivers with their own, individual response curves and ship them in matched pairs! A manual is available with a variety of projects based on Focal drivers.



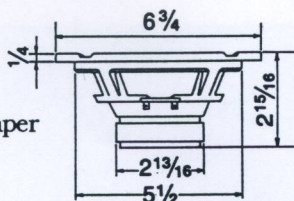
Seas of Norway builds a large range of drivers. We stock the ones that offer the best value and performance. Seas tweeters and woofers are used in many highly regarded systems built around the world.

Audio Concepts drivers are designed by us with the help of America's finest OEM manufacturer. The company that builds these drivers for us focuses more strongly on research and quality than any other American manufacturer. They also build drivers for some of the largest and best U.S. speaker companies.

Count on us to help you put together your "dream" system. Give our technical assistance people a call. They'll help you pick out the best drivers for your application.
1-608-784-4570.

Audio Concepts AC7

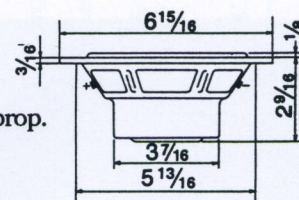
Xmax¹: 6 mm
 RMS Power²: 50 watts
 Fs: 5.3 Hz
 Re: 5.3 ohms
 Qms: 2.6
 Qes: 0.5
 Qts: 0.44
 CONE: 14 cm / Treated paper
 Vas: 46.7 liters
 Sen³: 89 db
 Box Type⁴: sealed
 Box Size: .46 cubic ft.
 F3: 66 Hz
 F10: 43 Hz
 Vent Dia.: --
 Vent Length: --
 Driver Size: 6 1/2"



8 ohms only
\$29.90 each

Dynaudio 17M75

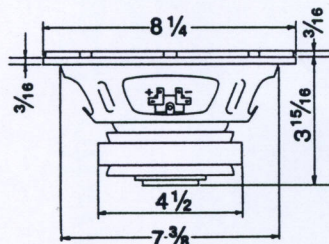
Xmax¹: 5.5 mm
 RMS Power²: 180 watts
 Fs: 74 Hz
 Re: 5.5 ohms
 Qms: 2.05
 Qes: 2.13
 Qts: 1.05
 CONE: 13.5 cm Polyprop.
 Vas: 5.9 liters
 Sen³: 88 db
 Box Type⁴: sealed
 Box Size: .46 cubic ft.
 F3: 65 Hz
 F10: 48 Hz
 Vent Dia.: --
 Vent Length: --
 Driver Size: 6 1/2"



\$71.90 each

Audio Concepts AC8

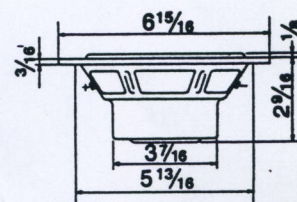
Xmax¹: 5.2 mm
 RMS Power²: 100 watts
 Fs: 30 Hz
 Re: 5.1 ohms
 Qms: 2.9
 Qes: .5
 Qts: .41
 CONE: 18 cm Polyprop.
 Vas: 58 liters
 Sen³: 90 db
 Box Type⁴: sealed
 Box Size: 1.0 cubic ft.
 F3: 47 Hz
 F10: 30 Hz
 Vent Dia.: --
 Vent Length: --
 Driver Size: 8"



\$39.90 each
 4 ohm or 8 ohm

Dynaudio 17W75

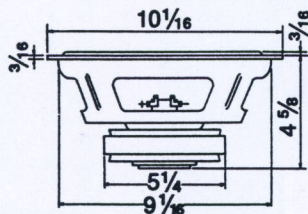
Xmax¹: 5.5 mm
 RMS Power²: 150 watts
 Fs: 39 Hz
 Re: 5.5 ohms
 Qms: 2.18
 Qes: 1.12
 Qts: .74
 CONE: 13.5 cm Polyprop.
 Vas: 18.8 liters
 Sen³: 88 db
 Box Type⁴: sealed
 Box Size: .46 cubic ft.
 F3: 45 Hz
 F10: 32 Hz
 Vent Dia.: --
 Vent Length: --
 Driver Size: 6 1/2"



\$71.90 each

Audio Concepts AC10

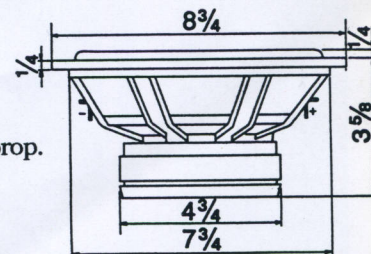
Xmax¹: 7 mm
 RMS Power²: 150 watts
 Fs: 23 Hz
 Re: 6.1 ohms
 Qms: 3.6
 Qes: .5
 Qts: .44
 CONE: 22.2 cm Polyprop.
 Vas: 138 liters
 Sen³: 89 db
 Box Type⁴: sealed
 Box Size: 1.69 cubic ft.
 F3: 37 Hz
 F10: 24 Hz
 Vent Dia.: --
 Vent Length: --
 Driver Size: 10"



\$49.90 each
 4 ohm or 8 ohm

Dynaudio 21W54

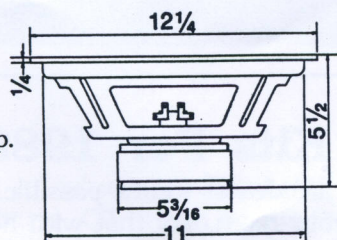
Xmax¹: 7 mm
 RMS Power²: 160 watts
 Fs: 30 Hz
 Re: 5.6 ohms
 Qms: 2.03
 Qes: .356
 Qts: .3
 CONE: 18.8 cm Polyprop.
 Vas: 59.6 liters
 Sen³: 89.5 db
 Box Type⁴: vented
 Box Size: .94 cubic ft.
 F3: 40 Hz
 F10: 28 Hz
 Vent Dia.: 2"
 Vent Length: 5.91"
 Driver Size: 8 1/2"



\$105.90 each

Audio Concepts AC12

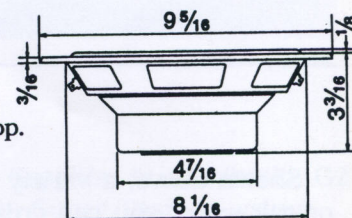
Xmax¹: 8 mm
 RMS Power²: 150 watts
 Fs: 18 Hz
 Re: 6.1 ohms
 Qms: 3.4
 Qes: .49
 Qts: .43
 CONE: 27.5 cm Polyprop.
 Vas: 240 liters
 Sen³: 89.5 db
 Box Type⁴: sealed
 Box Size: 4.0 cubic ft.
 F3: 29 Hz
 F10: 17 Hz
 Vent Dia.: --
 Vent Length: --
 Driver Size: 12"



\$59.90 each
 4 ohm or 8 ohm

Dynaudio 24W100

Xmax¹: 8 mm
 RMS Power²: 350 watts
 Fs: 32 Hz
 Re: 5.2 ohms
 Qms: 1.6
 Qes: .45
 Qts: .35
 CONE: 18.8 cm Polyprop.
 Vas: 62 liters
 Sen³: 90 db
 Box Type⁴: vented
 Box Size: 1.56 cubic ft.
 F3: 34 Hz
 F10: 26 Hz
 Vent Dia.: 3"
 Vent Length: 9.1"
 Driver Size: 8 1/2"



\$109.90 each



Audio Concepts Kits For 1989

Shown above, a variety of Danish oil finishes to give you an idea of what's possible. With your choice of walnut or oak wood, you can create just the right finish to match your room. Try that with a pair of store bought speakers!

Our superb cabinetry is one of the reasons we sell more high performance speaker kits than anyone in the country.



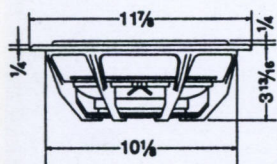
Listed from left to right:

Compact Monitor or S2 in oak on AC Stand, M2 in oak, Saturn subwoofer in oak, Sapphire in oak (back), G2 in oak (front), Orion in oak (back), C2 in oak on AC Stand, Pulse subwoofer in oak (front), Super Titan in walnut (back), and Laser in oak.

Dynaudio 30W54

Xmax¹: 8 mm
 RMS Power²: 210 watts
 Fs: 22 Hz
 Re: 6.25 ohms
 Qms: 2.39
 Qes: .42
 Qts: .357
 CONE: 24.7 cm Polyprop.
 Vas: 257 liters
 Sen³: 90 db
 Box Type⁴: sealed
 Box Size: 4.0 cubic ft.
 F3: 41 Hz
 F10: 23 Hz
 Vent Dia.: --
 Vent Length: --
 Driver Size: 12"

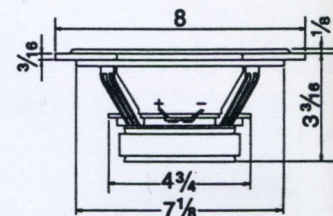
\$149.90 each

**Focal 7N412DB**

Xmax¹: 4.5 mm
 RMS Power²: 75 watts
 Fs: 35 Hz
 Re: 3 ohms
 Qms: 3.26
 Qes: .31
 Qts: .34
 CONE: 16 cm Neoflex
 Vas: 34.5 liters
 Sen³: 89.5 db
 Box Type⁴: vented
 Box Size: .49 cubic ft.
 F3: 53 Hz
 F10: 41 Hz
 Vent Dia.: 2"
 Vent Length: 6.69"
 Driver Size: 6 1/2"

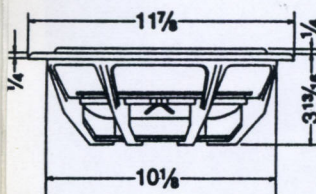
Dual Voice Coil

\$52.90 each

**Dynaudio 30W100**

Xmax¹: 8 mm
 RMS Power²: 450 watts
 Fs: 24 Hz
 Re: 5.85 ohms
 Qms: 2.7
 Qes: .8
 Qts: .619
 CONE: 24.7 cm Polyprop.
 Vas: 269 liters
 Sen³: 89 db
 Box Type⁴: sealed
 Box Size: 4.0 cubic ft.
 F3: 33 Hz
 F10: 23 Hz
 Vent Dia.: --
 Vent Length: --
 Driver Size: 12"

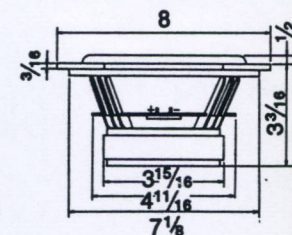
\$239.90 each

**Focal 7K011DB**

Xmax¹: 4.5 mm
 RMS Power²: 60 watts
 Fs: 39 Hz
 Re: 3 ohms
 Qms: 2.6
 Qes: .28
 Qts: .26
 CONE: 16 cm Kevlar
 Vas: 35.3 liters
 Sen³: 90.5 db
 Box Type⁴: vented
 Box Size: .86 cubic ft.
 F3: 45 Hz
 F10: 33 Hz
 Vent Dia.: 3"
 Vent Length: 4.18"
 Driver Size: 6 1/2"

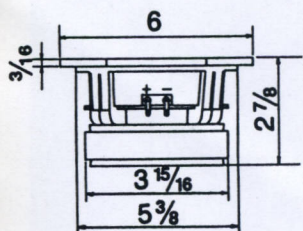
Dual Voice Coil

\$64.90 each

**Focal 5K013L**

Xmax¹: 5.5 mm
 RMS Power²: 40 watts
 Fs: 52 Hz
 Re: 6.5 ohms
 Qms: 2.75
 Qes: .35
 Qts: .31
 CONE: 11.8 cm Kevlar
 Vas: 12.9 liters
 Sen³: 89 db
 Box Type⁴: vented
 Box Size: .35 cubic ft.
 F3: 60 Hz
 F10: 48 Hz
 Vent Dia.: 2"
 Vent Length: 5.3"
 Driver Size: 5 1/4"

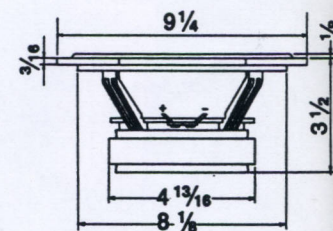
\$64.90 each

**Focal 8K011DB**

Xmax¹: 4.5 mm
 RMS Power²: 75 watts
 Fs: 34 Hz
 Re: 3 ohms
 Qms: 3.4
 Qes: .26
 Qts: .24
 CONE: 18 cm Kevlar
 Vas: 99.7 liters
 Sen³: 92 db
 Box Type⁴: vented
 Box Size: 1.69 cubic ft.
 F3: 43 Hz
 F10: 32 Hz
 Vent Dia.: 4"
 Vent Length: 4.25"
 Driver Size: 8"

Dual Voice Coil

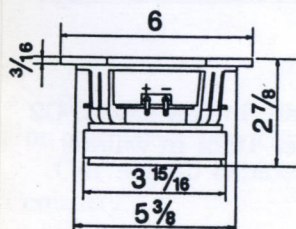
\$58.90 each

**Focal 5N412DB**

Xmax¹: 4.3 mm
 RMS Power²: 75 watts
 Fs: 45 Hz
 Re: 3 ohms
 Qms: 2.92
 Qes: .25
 Qts: .27
 CONE: 11.8 cm Neoflex
 Vas: 12.2 liters
 Sen³: 88 db
 Box Type⁴: vented
 Box Size: .25 cubic ft.
 F3: 55 Hz
 F10: 42 Hz
 Vent Dia.: 1"
 Vent Length: 2.7"
 Driver Size: 5 1/4"

Dual Voice Coil

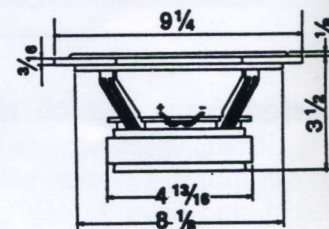
\$47.90 each

**Focal 8N411DB**

Xmax¹: 4.5 mm
 RMS Power²: 75 watts
 Fs: 31 Hz
 Re: 3 ohms
 Qms: 3.56
 Qes: .288
 Qts: .266
 CONE: 18 cm Neoflex
 Vas: 88.2 liters
 Sen³: 91 db
 Box Type⁴: vented
 Box Size: .86 cubic ft.
 F3: 55 Hz
 F10: 37 Hz
 Vent Dia.: 3"
 Vent Length: 3.46"
 Driver Size: 8"

Dual Voice Coil

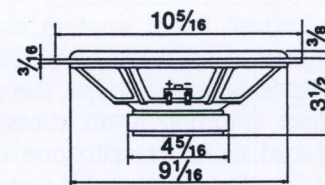
\$53.90 each



New Product!

AC Speaker Guards are inserted between your amplifier and speakers to provide effective protection against excessive power input. AC Speaker Guards come in a variety of power ratings to effectively protect any speaker. Fuses and circuit breakers hurt the sound of your speakers but AC Speaker Guards are harmless to the sound quality of your system. Available September of 1989.

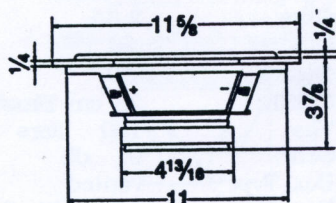
Seas P25REX	
Xmax ¹ :	6 mm
RMS Power ² :	100 watts
Fs:	29 Hz
Re:	6.1 ohms
Qms:	2.6
Qes:	.6
Qts:	.49
CONE:	22 cm Polyprop.
Vas:	130 liters
Sen ³ :	90 db
Box Type ⁴ :	sealed
Box Size:	1.69 cubic ft.
F3:	43 Hz
F10:	30 Hz
Vent Dia.:	--
Vent Length:	--
Driver Size:	10"



\$49.90 each

Focal 10K515

Xmax ¹ :	7.7 mm
RMS Power ² :	150 watts
Fs:	28 Hz
Re:	7.8 ohms
Qms:	7.1
Qes:	.34
Qts:	.32
CONE:	21.8 cm Kevlar
Vas:	138 liters
Sen ³ :	94 db
Box Type ⁴ :	vented
Box Size:	3.0 cubic ft.
F3:	35 Hz
F10:	26 Hz
Vent Dia.:	4"
Vent Length:	6"
Driver Size:	10"

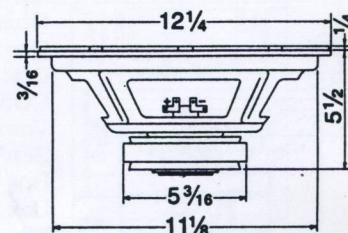


\$119.90 each

JC12

Xmax ¹ :	8 mm
RMS Power ² :	150 watts
Fs:	18 Hz
Re:	3 ohms
Qms:	7.9
Qes:	.32
Qts:	.31
CONE:	27.5 cm Paper
Vas:	339 liters
Sen ³ :	89 db
Box Type ⁴ :	sealed
Box Size:	2.6 cubic ft.
F3:	36 Hz
F10:	22 Hz
Vent Dia.:	--
Vent Length:	--
Driver Size:	12"

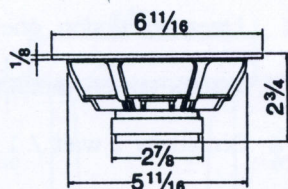
Dual Voice Coil



\$59.90 each

Seas P17RC

Xmax ¹ :	6 mm
RMS Power ² :	60 watts
Fs:	37 Hz
Re:	5.7 ohms
Qms:	.8
Qes:	.53
Qts:	.33
CONE:	13.7 cm Polyprop.
Vas:	36 liters
Sen ³ :	87 db
Box Type ⁴ :	sealed
Box Size:	.46 cubic ft.
F3:	77 Hz
F10:	41 Hz
Vent Dia.:	--
Vent Length:	--
Driver Size:	6 1/2"



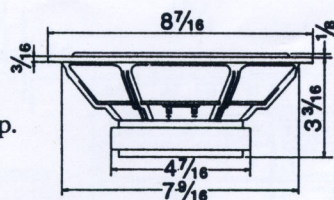
\$36.90 each

Confused by all the driver choices?

If looking at all the choices of drivers is frustrating you, check out our line of AC kits. An average AC kit has over 500 hours of design time in it before we go into production. Here at Audio Concepts, Inc. we use precision test instruments and a fully equipped listening room to develop and refine our systems. More importantly, our designers have over fifty years of speaker design experience. Purchasing an AC kit is incredibly cost effective because you receive a fully engineered product for about the same cost as the raw parts alone! Remember, satisfaction is completely guaranteed on all our kits or we'll give you a full refund!

Seas P21REX

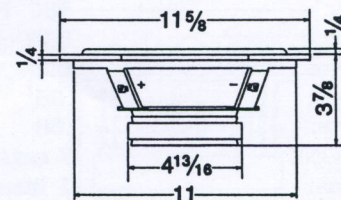
Xmax ¹ :	6 mm
RMS Power ² :	100 watts
Fs:	33 Hz
Re:	6.1 ohms
Qms:	2.4
Qes:	.44
Qts:	.37
CONE:	18 cm Polyprop.
Vas:	69 liters
Sen ³ :	89 db
Box Type ⁴ :	sealed
Box Size:	1.0 cubic ft.
F3:	57 Hz
F10:	34 Hz
Vent Dia.:	--
Vent Length:	--
Driver Size:	8"



\$42.90 each

Focal 10V516

Xmax ¹ :	8 mm
RMS Power ² :	100 watts
Fs:	23 Hz
Re:	4.8 ohms
Qms:	6.697
Qes:	.448
Qts:	.42
CONE:	21.8 cm
Vas:	132 liters
Sen ³ :	88 db
Box Type ⁴ :	sealed
Box Size:	3 cubic ft.
F3:	35 Hz
F10:	21 Hz
Vent Dia.:	--
Vent Length:	--
Driver Size:	10"



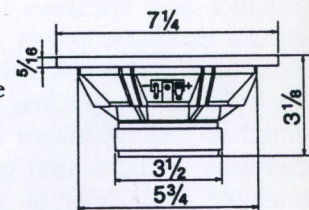
\$105.90 each

About Dual Voice Coiled Woofers

Certain Focal woofers as well as the JC12 Woofer feature dual voice coils. Using two voice coils allows the designer to shape the sound of the system. In the most common application, a large value inductor is placed in series with one of the coils so it only operates at low frequencies. The other coil crosses over in the midrange. This allows extended bass performance compared to single coil woofers. Plans are available in the Focal manual for implementation of this design feature.

Eton 7-380

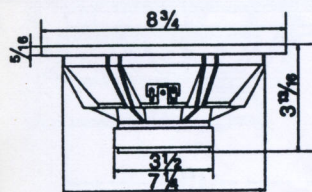
Xmax¹: 7 mm
 RMS Power²: 100 watts
 Fs: 37 Hz
 Re: 6.6 ohms
 Qms: 2.9
 Qes: .30
 Qts: .28
 CONE: 13.5 cm Hexacone
 Vas: 33 liters
 Sen³: 90 db
 Box Type⁴: vented
 Box Size: .4 cubic ft.
 F3: 56 Hz
 F10: 40 Hz
 Vent Dia.: 2"
 Vent Length: 8.15"
 Driver Size: 7 3/4"



\$99.90 each

Eton 8-480

Xmax¹: 7 mm
 RMS Power²: 100 watts
 Fs: 24.5 Hz
 Re: 6.9 ohms
 Qms: 2.828
 Qes: .385
 Qts: .339
 CONE: 17.5 cm Hexacone
 Vas: 93.11 liters
 Sen³: 91 db
 Box Type⁴: vented
 Box Size: 2 cubic ft.
 F3: 30 Hz
 F10: 22 Hz
 Vent Dia.: 3"
 Vent Length: 10.67"
 Driver Size: 8 3/4"



\$109.90 each

Eton 11-580

Xmax¹: 8 mm
 RMS Power²: 250 watts
 Fs: 23 Hz
 Re: 6 ohms
 Qms: 2.34
 Qes: .31
 Qts: .30
 CONE: 23 cm Hexacone
 Vas: 180 liters
 Sen³: 91 db
 Box Type⁴: vented
 Box Size: 2.5 cubic ft.
 F3: 35 Hz
 F10: 25 Hz
 Vent Dia.: 4"
 Vent Length: 12.88"
 Driver Size: 11"

Drawing
Unavailable

\$209.90 each

Bass Driver

- 1 Linear excursion, one way.
- 2 Power handling. RMS voice coil, drivers may be over driven with less power if driven against the end stops.
- 3 Sensitivity 1 watt / 1 meter.
- 4 Recommended boxes are given as a guide. F₃ and F₁₀ are given as the points that output will be down 3 and 10db in level relative to the midband. Box size is given in cubic feet, vent dimensions are given in inches.

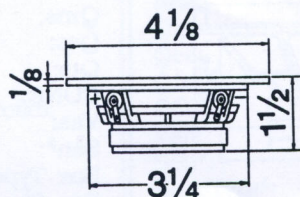
Midrange

- 1 Linear excursion, one way.
- 2 System power handling when crossed over properly.
- 3 Sensitivity 1 watt / 1 meter.
- 4 Enclosure volume necessary to give flat response down to recommended crossover.

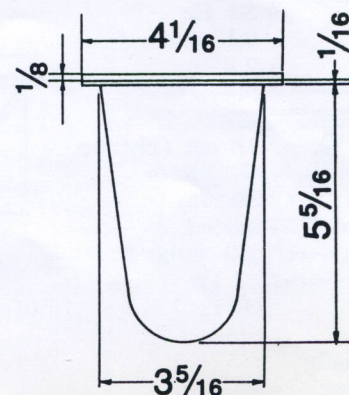
Midrange Drivers

10FM

Xmax¹: 13 mm
 RMS Power²: 150 watts
 Fs: 180 Hz
 Re: 5.7 ohms
 Qms: 5.7
 Qes: .85
 Qts: .58
 CONE: 7 cm Doped Paper
 Vas: 1 liters
 Sen³: 90 db
 Reg. Enclosure⁴: Sealed back
 Range: 800-6k
 Size: 4"
 Comments: Excellent performance/price ratio!

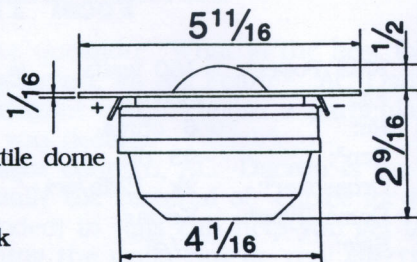


\$21.90 each



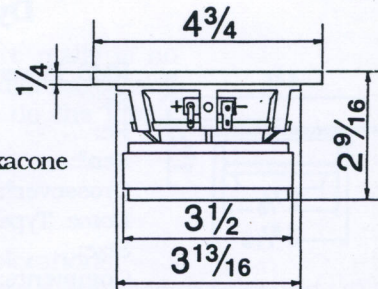
Dynaudio D52af

Xmax¹: .3 mm
 RMS Power²: 350 watts
 Fs: 350 Hz
 Re: 4.6 ohms
 Qms: 1.1
 Qes: 1.03
 Qts: .53
 CONE: 5.5 cm Textile dome
 Vas: --
 Sen³: 91 db
 Req. Enclosure⁴: Sealed back
 Range: 800-5k
 Size: 2"
 Comments: Linear response, easy to use dome

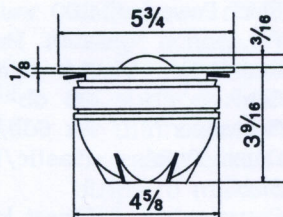
**\$75.90 each****Eton 4-206**

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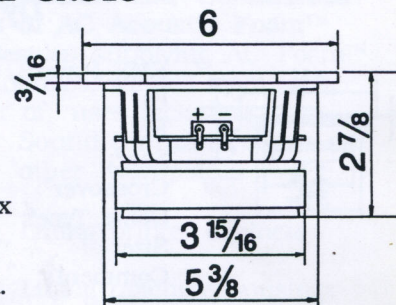
Xmax¹: 3 mm
 RMS Power²: 70 watts
 Fs: 66 Hz
 Re: 2.9 ohms
 Qms: 3.51
 Qes: .408
 Qts: .366
 CONE: 8.5 cm Hexacone
 Vas: 4.26 liters
 Sen³: 90 db
 Req. Enclosure⁴: .1 cubic ft.
 Range: 150-5k
 Size: 4 3/4"
 Comments: 4 ohm version

**\$85.90 each****Dynaudio D54af**

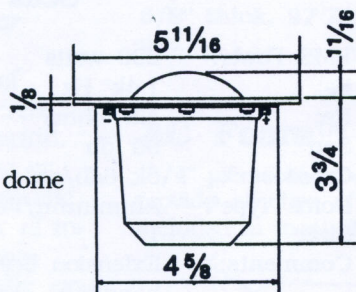
Xmax¹: 3 mm
 RMS Power²: 400 watts
 Fs: 350 Hz
 Re: 4.6 ohms
 Qms: 1.0
 Qes: .56
 Qts: .36
 CONE: 5.3 cm Textile dome
 Vas: --
 Sen³: 94 db
 Req. Enclosure⁴: Sealed back
 Range: 1k-5k
 Size: 2"
 Comments: Tricky but fast!

**\$93.90 each****Focal 5N313**

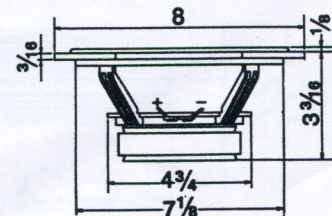
Xmax¹: 3.5 mm
 RMS Power²: 200 watts
 Fs: 50 Hz
 Re: 5.3 ohms
 Qms: 1.7
 Qes: .266
 Qts: .23
 CONE: 11.8 Neoflex
 Vas: 14.3 liters
 Sen³: 91.5 db
 Req. Enclosure⁴: .15 cubic ft.
 Range: 400-6k
 Comments: Phase plug, excellent range!

**\$47.90 each****Dynaudio D76af**

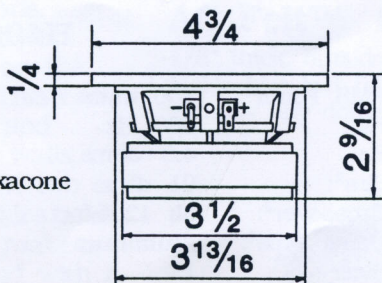
Xmax¹: 3 mm
 RMS Power²: 200 watts
 Fs: 220 Hz
 Re: 5.1 ohms
 Qms: --
 Qes: --
 Qts: --
 CONE: 7.5 cm Textile dome
 Vas: --
 Sen³: 88 db
 Req. Enclosure⁴: Sealed back
 Range: 500-4k
 Size: 3"
 Comments: Smooth Sounding!

**\$71.90 each****Focal 7N313**

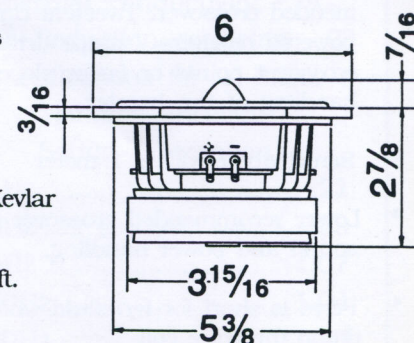
Xmax¹: 1.6 mm
 RMS Power²: 300 watts
 Fs: 60 Hz
 Re: 6.2 ohms
 Qms: 4.6
 Qes: .336
 Qts: .313
 CONE: 16 cm Neoflex
 Vas: 21 liters
 Sen³: 95 db
 Req. Enclosure⁴: .3 cubic ft.
 Size: 7"
 Comments: SOTA wide band driver.

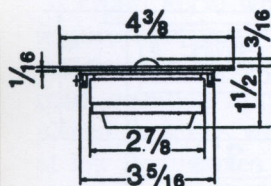
**\$86.90 each****Eton 4-203**

Xmax¹: 2 mm
 RMS Power²: 70 watts
 Fs: 59 Hz
 Re: 5.8 ohms
 Qms: 4.50
 Qes: .28
 Qts: .26
 CONE: 8.5 cm Hexacone
 Vas: 6 liters
 Sen³: 92 db
 Req. Enclosure⁴: .1 cubic ft.
 Range: 150-5k
 Size: 4 3/4"
 Comments: Exceptional range!

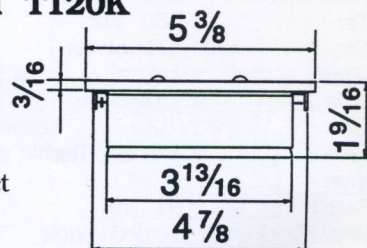
**\$85.90 each****Focal 5K413**

Xmax¹: 16 m
 RMS Power²: 200 watts
 Fs: 94 Hz
 Re: 6.2 ohms
 Qms: 2.49
 Qes: .468
 Qts: .394
 CONE: 11.8 cm Kevlar
 Vas: 4.2 liters
 Sen³: 92.5 db
 Req. Enclosure⁴: .15 cubic ft.
 Range: 400-6k
 Size: 5 1/4"
 Comments: Exceptional detail!

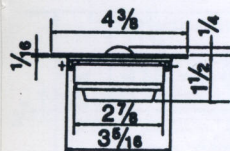
**\$77.90 each**

Dynaudio D21af

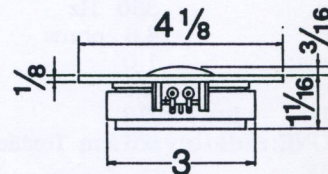
RMS Power¹: 400 watts
 Fs: 1.3k
 Re: 5.3 ohms
 Sen²: 91 db
 Crossover³: 5k 6db/oct
 Dome Type⁴: Cloth/ferro
 Size: 3/4"
 Comments: Sounds best crossed over above 10k.
 Response beyond 25K.

\$45.90 each**Focal T120K**

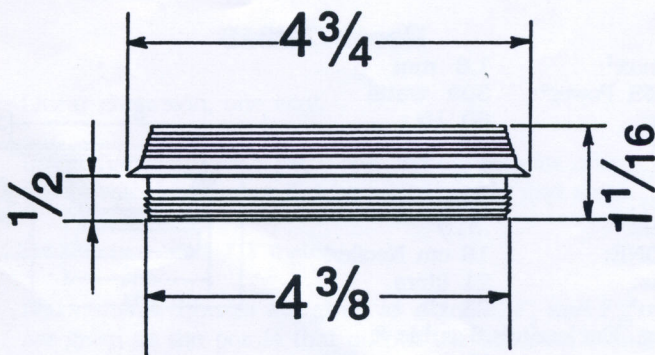
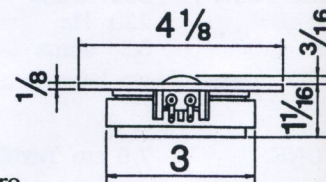
RMS Power¹: 150 watts
 Fs: 600 Hz
 Re: 6 ohms
 Sen²: 93 db
 Crossover³: 2k 12db/oct
 Dome Type⁴: Kevlar
 Size: 3/4"
 Comments: Fast and open, good power handling, very good air and detail.

\$50.90 each**Dynaudio D28af**

RMS Power¹: 200 watts
 Fs: 700 Hz
 Re: 5.3 ohms
 Sen²: 91 db
 Crossover³: 2k 6db/oct
 Dome Type⁴: Cloth/ferro
 Size: 1"
 Comments: Highly regarded. The only tweeter for low crossovers, 6db slopes.

\$43.90 each**Seas H392**

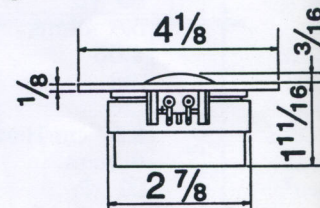
RMS Power¹: 200 watts
 Fs: 1.4k Hz
 Re: 4.8 ohms
 Sen²: 90 db
 Crossover³: 5k 6db/oct
 Dome Type⁴: Plastic/ferro
 Size: 1"
 Comments: Finest low cost tweeter around. Used in systems costing over \$2000.

\$18.90 each**Variovent \$9.90 each****Seas H398**

RMS Power¹: 200 watts
 Fs: 1.4k Hz
 Re: 4.8 ohms
 Sen²: 90 db
 Crossover³: 5k 6db/oct
 Dome Type⁴: Aluminum/Ferro
 Size: 1"
 Comments: Extension beyond 25k, good power handling, clean, detailed sound.

\$23.90 each

- ¹ System power handling when crossed over at recommended crossover. Tweeters can be burned by low powered receivers / amps driven into clipping. Higher crossover points or faster slopes raise the power handling of the tweeter.
- ² Sensitivity 1 watt / 1 meter.
- ³ Lower recommended crossover point and slope for good sound and power handling.
- ⁴ Ferro is short for ferrofluid which is used to cool and damp the voice coil.

Seas**H400**

RMS Power¹: 100 watts
 Fs: 660 Hz
 Re: 4.8 ohms
 Sen²: 91 db
 Crossover³: 3k 12db/oct
 Dome Type⁴: Aluminum
 Size: 1"
 Comments: As above, power handling, slightly less, aperiodic chamber.

\$26.90 each

We are often asked the question, "What is the best for stuffing my speakers?" There really is no simple answer to that question, as AC Foam™, AC Dacron, and AC Wool all have advantages and disadvantages. Each designer might choose a particular material or combination to do the job.

A few ideas might help you decide:

- 1) If cost is the major concern, AC Dacron is the most cost effective.
- 2) AC Wool is usually the material of choice for transmission lines.
- 3) AC Dacron (bonded) in rolls can help you get that "tight" bass quality.
- 4) AC Foam™ lining the walls can be very effective for absorbing midrange colorations.
- 5) Combining AC Foam™ on the walls, with Bonded Dacron or Wool often gives a very accurate sound.

In the AC kits we usually spend days testing and listening to different dampening materials and combinations before finalizing the design.

AC Acoustic Foam™

Diffractions and your room cause all sorts of problems with your stereo sound: harsh midrange and treble, irregular response in different parts of the room, inaccurate, flabby bass, smeared detail and poor imaging.

The Solution:

For the music lover, a small investment in AC Foam™ will improve listening pleasure more than investing thousands of additional dollars in electronics. AC Foam™ is effective, and inexpensive.

Tips for Improving your Stereo Sound

Our ears hear two types of sound when listening to a stereo, direct sound, and reflected sound. The reflected sounds can color or distort our perception of the music. This is the main reason a pair of inexpensive headphones can have sound quality rivaling extremely expensive speakers. If we can control the reflected sound in the room, we can greatly improve the clarity, dimensionality, and smoothness of the music system.

*Using AC Foam™ on the room surfaces near the speakers allows us to control these reflections. Serious enthusiasts often cover virtually all room surfaces on the speaker end of the room. This can be done by making panels and standing these against the walls. For the more casual listener, two or four sheets placed to the sides and to the rear of the speakers make a major improvement in sound with a minimum of fuss.

*AC Foam™ can also be glued to ceilings if a totally dampened room is desired. Cut sections 1'

square, attach back to back, and attach to the ceiling on edge. A handful of them spread around the ceiling can do a lot to reduce nasty "slap" echoes. Besides that, it looks slick! AC Foam™ may be attached to surfaces with silicone adhesive, or thin nails. Attractive panels can be easily constructed using 2" wood strips to make a frame and covered with an open weave grill cloth.

*AC Foam™ is also an excellent material for lining the inside walls of your speaker enclosures to absorb internal reflections and suppress standing waves.

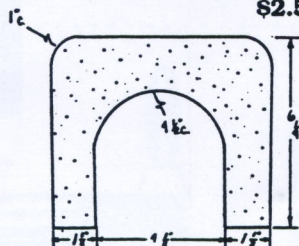
2" thick, 27" x 84"
convoluted \$29.90 sheet

5/8" thick, 27"X 42"
pad \$ 6.90 sheet

AC Foam™ U-shape

3/4" pieces fit around most tweeters to provide effective off-axis attenuation. Included in most of our kits.

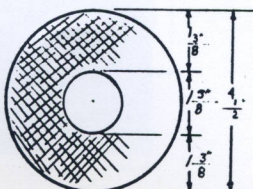
\$2.50 each



AC Felt™ tweeter rings

1/8" thick, outside diameter is 4 3/8", inside hole is 1 5/8". Effective with virtually any dome tweeter or midrange up to 1".

\$ 2.50 each



Industrial and Commercial Uses of AC Acoustic Foam™

Besides supplying AC Foam™ to audiophiles, we sell foam for a number of uses including:

- * Sound control in offices and other workplaces
- * Lining printer cabinets
- * Lining machine housings such as air conditioning units
- * Recording studios
- * Radio Station control rooms
- * Concert halls and auditoriums
- * Any place noise control is desired

If you have any requirements for large quantities of foam, discounts are available. Call or write atten: OEM Sales, 901 South 4th Street, LaCrosse, WI 54601. Please estimate the quantities in which you are interested.

Thermal conductivity: .28
Noise Reduction coefficient: .93
Specifications for 2" foam.
Random Incident
Sound Absorption

125Hz .....	.21
250Hz .....	.58
500Hz	1.07
1000Hz	1.04
2000Hz	1.03
4000Hz .....	.95

AC WOOL

If you have ever read any articles on building transmission lines, you know that often long-hair wool is recommended for "stuffing" the lines. The long-hair wool that we stock is premium quality, cleaned, deoderized and carded in one pound bags. Along with AC Dacron and AC Foam™ it is useful for "stuffing" sealed systems and midrange chambers.

AC Wool \$11.90 lb. bag

AC Wool is produced in the U.S.A.

AC DACRON

We stock two types of Dacron Polyester to use for dampening the insides of speakers. The bagged Dacron is similar to cotton and is packed in 12 ounce bags. Bonded Dacron is sold by the foot. It is 27" wide and approx. 2" thick.

Dacron 12 oz. bag \$2.59 bag
Bonded Dacron,

2" thick75 ft.

ACOUSTICAL MAGIC™

Acoustical Magic™ is a special latex based paint that may be sprayed or brushed on the inside of speaker cabinets. We didn't pick the name, but the improvement in transparency, detail and dynamics might be thought of as nearly "magic". No one is sure precisely how Acoustical Magic™ works, but in controlled listening tests, the difference between a treated and untreated pair of speakers is clearly audible. We recommend it as one of the most cost-effective ways of improving your speaker system.

You will want to apply two to three coats, so order one quart for every four cubic feet of internal speaker volume.

Acoustical Magic™ is shipped free in Continental U.S.

Acoustical Magic™

..... \$19.90 quart
 \$59.90 gallon
 shipping included



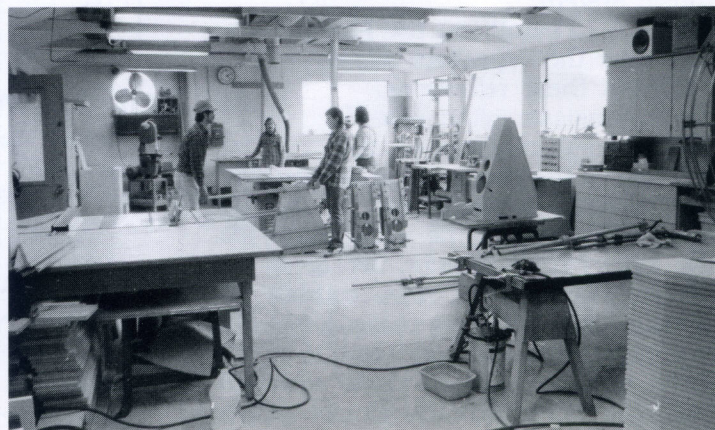
The Audio Concepts, Inc. display area



Tim is assembling a G2 for demo



Mike is working on a new design

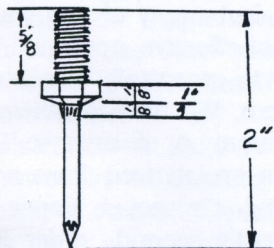


Our wood shop cutting room

Spikes and Casters

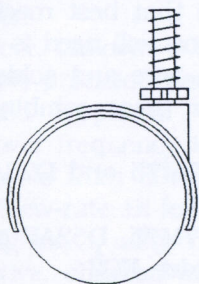
Our AC Spikes are excellent for coupling your speakers to the floor. The dimensions are 1 5/8" in length with the spike being 7/8" in length. There is a fixed nut followed by 1/2" of threads.

AC Spikes \$14.90 set of 8



The casters we carry are black, highly attractive units that will support 500 pounds per four casters. They are 2" in height and insert into the bottoms of your speakers.

Castors \$29.90 set of 4



AC Speaker Stand/Pedastals

Possibly the finest stand on the market for use with speakers ranging in size from the S2's to the C2, the height is adjustable from approximately 14" to 24". Spikes are installed downward and up to the speaker. Spikes are covered with removeable plastic to protect your speakers until you get the setup just right. The steel pieces are heavy gauge and may be filled with Acoustic Magic or sand. The solid hardwood sides are available in oak or walnut. There are provisions for rigidly attaching the speaker: a stand with a long shanked screw through the rear main piece. The pedestal functions excellently with the newly revised Sapphire Speakers. They provide a rigid foundation that raises them to the right height which gives them optimum stereo imaging...highly recommended!

Choice of oak or walnut.

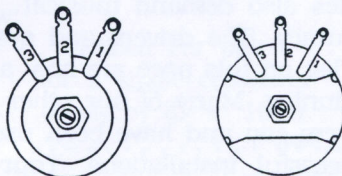
AC Stands /Oak or Walnut
 \$119.00 pr.
Pedestals/ Oak or Walnut
 **99.00 pr.**

(Pedestals and Stand pictured on page 15-16)

L-pads:

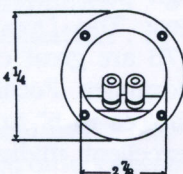
For variable level control, ceramic type

15 watt **2.90 ea.**
 100 watt **6.90 ea.**

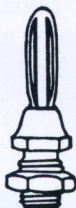


Terminals

5-way gold plated post cups/
 gold posts removeable
 **\$4.49 ea.cup**



Gold-plated banana plug
 **2.50 ea.**



Gold-plated spade lug **.50ea.**



Solder

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The best solder around is the **IAR Wonder Solder**. Available in heavy gauge (16) or thin gauge (22), the IAR Solder may be purchased in 5' packages or by the pound. Less expensive than many exotic solders, this solder is universally acclaimed for its excellent sound. It flows well and makes an audible improvement over other solders. We use it exclusively in all our crossovers.

IAR Solder 16 gauge . . . \$ 4.00/ 5 ft
IAR Solder 16 gauge 29.00/ lb.
IAR Solder 22 gauge 2.00/ 5 ft
IAR Solder 22 gauge 34.00/ lb.

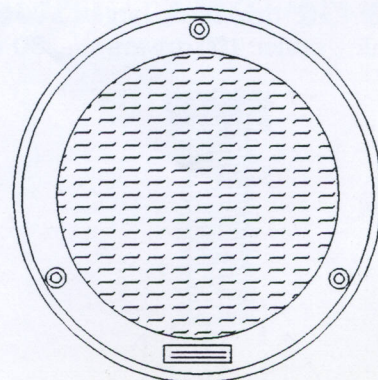
Silicone Sealant

*Worksite silicone . . . 3 oz. **\$2.95**
 *Worksite silicone . . .10 oz. **4.95**
 (Need caulking gun)

Grills

We stock Dynaudio, Focal and AC Standard size grills for driver protection.

AC8/ most U.S. 8" 8.00 ea.
AC10/ most U.S. 10" 9.00 ea.
AC12/ most U.S. 12" 11.50 ea.
Dynaudio D28af, D21af 5.00 ea.
Dynaudio D52af, D54af, D76af 6.00 ea.
Dynaudio 17W75/17M75 7.00 ea.
Dynaudio 24W100 9.00 ea.
Focal 5 1/4" 5.00 ea.
Focal 7" 6.00 ea.
Focal 8" 7.00 ea.



GRILL CLOTH

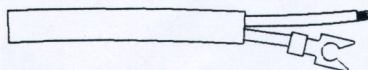
Our grill cloth is an open-weave synthetic and has almost no attenuation of high frequencies and is the best possible choice! It's available in black or beige.

60' in width \$ 6.99 yd.

WIRE

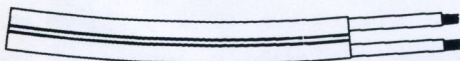
Livewire Blue™ This is a superb, yet cost-effective speaker wire. One pair of 14 gauge surface-only conductors. High purity copper stranding with a polypropylene center core and jacket. Sounds better than many cables that cost three to four times as much.

\$ 1.99 ft.



Livewire Brown™ is a high-quality yet inexpensive speaker wire from Audioquest. Surface only conductors with polypropylene insulation.

\$.99 ft.



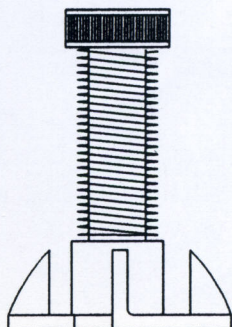
IAR Wonder Wire™

Non-insulated hookup wire .50 ft.

T-NUTS

Large - 10" drivers or larger .30 set

Small - under 10" drivers .30 set



Automotive Sound Systems

Want a "concert hall on wheels?" We supply drivers and crossover components to many of the finest high-end installers in the country. Many of you wish to do your own systems. You can purchase the finest components from us at a fraction of the cost you'll pay through a local dealer. The components we carry are some of the same that are winning the car audio contests. Output levels and quantity of bass are still important, but today's auto audio-philosophies also demand musical accuracy. The drivers and systems we list on this page are only a beginning. Many of our other drivers can and have been used in successful installations. Your imagination is the only limit!

Tweeters: Seas H398, excellent sound at reasonable price, with integral screen for a clean installation. A 12db/oct crossover is recommended. The Dynaudio D28AF is the premier tweeter for cars. A 6db/oct crossover, handles extremely high power levels.

Midranges: The Dynaudio D52AF or D76 are great choices for dome midranges. Focal has many fine choices in 5" and 7" drivers for excellent midrange quality.

Woofers: Again, lots of choices from Focal. Many of the Focals will give superb results from compact vented enclosures. The Dynaudios are the frequent choice of installers, they make excellent woofers in sealed chambers. The 17M75 doesn't require an enclosure.

Subwoofers: The AC7, AC8, AC10 or AC12 are the best choice for sealed box application. Awesome power and clarity from mid-sized boxes. Vented alignments are

also possible.

Crossovers: It seems that everyone wants something a little different in the way of crossovers. Some of you will spend hundreds of dollars to have the best capacitors, but many of you want to take a cost-effective approach. What we offer is essentially a custom order system. We have plans for a select combination of drivers. These plans are derived from actual testing. Crossover slopes are primarily second order Bessel, although some first order slopes are used with Dynaudio drivers. The plans are free with purchase of the drivers. They are not for sale and are only available with purchase. Using these plans you can select and order the combination of components that best meet your needs. All you will need is to glue them down, wire and solder. Plans available for these combinations:

- * 17W or 17M75 and D28AF order XC1
- * 17W or 17M75, D52AF and D28AF order XC2
- * 24W100 and D28AF order XC3
- * 24W100, D52AF and D28AF order XC4
- * Any Focal 5" or 7" dual voice coil and H398 order XC5
- * Any Focal 5" or 7" single coil woofer and H398 order XC6
- * Any Focal 5" or 7" dual voice coil and D28AF order XC7
- * Any Focal 5" or 7" single voice coil and D28AF order XC8
- * Any Focal 8" dual voice coil and D28AF order XC9
- * Subwoofer stereo crossover 4ohm AC10 or AC12 to satellites order XC10

Be sure to ask for the plans when ordering the drivers!

Sledgehammer Electronic Crossovers

Biamplication is the process of dividing the music signal before it reaches the amplifier. One amplifier then sends low frequencies to the woofer while the other amplifier sends the upper frequencies to the mid-range-tweeter.

Biamplication is ideal for adding subwoofers to existing systems. The extra octave or more of clean bass adds an incredible degree of power, ambience and realism. The midrange is improved because the midrange driver isn't trying to reproduce the bass notes anymore.

SLEDGEHAMMER crossovers are highly recommended because they offer:

- * 24db oct. Linkwitz - Riley filters with 1% precision parts for a flat summed response.
- * Crossover frequency is dial adjustable from 60Hz to 7kHz.
- * High Slew-rate Bi-fet design using the highest quality components.
- * Attractive, charcoal colored 19" rackmount chassis.

Sledgehammer Biamp: . . . \$425

Triamp: . . . \$525

Shipped free in Continental U.S.

Passive Crossovers

The crossovers for all our kits are available for purchase as matched pairs. Perhaps you already have the drivers and now wish to get the best out of them, or have some very similar drivers and don't want to design your own crossovers. Crossovers are ready to mount in cabinet rear or bottom from the inside. Gold Binding posts are mounted through the crossover for connection to your amp or receiver.

Available crossovers are listed below:

Priced Per pair
(for a single crossover
divide by 2, + 10%)

S2	\$44.00 pr
C2	44.00 pr
G2	79.00 pr
Laser	59.00 pr
Super Titan	229.00 pr
Compact Monitor	105.00 pr
Sapphire	159.00 pr
Pulse	79.00 pr
Orion	229.00 pr
M2	99.00 pr
Saturn-Sapphire	
Combination	199.90 per
	4 piece unit

Sledgehammer

Electronic Crossover

- * **Biamp** **425.00**
- * **Triamp** **525.00**

Wanna make a million bucks?

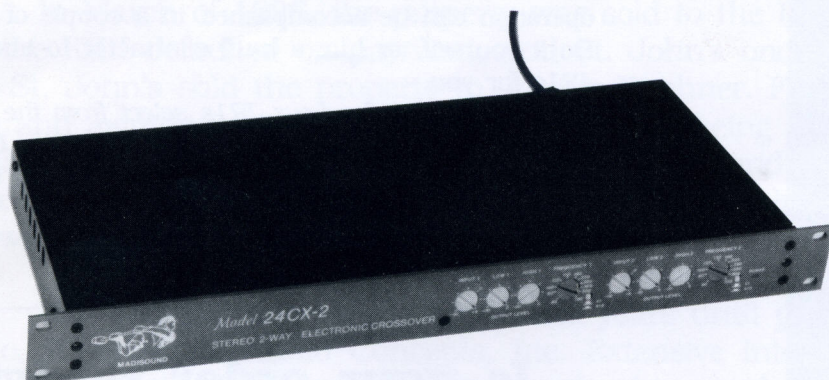
Or would you settle for some extra cash to help pay the bills and feed your stereo habit? A lot of our customers make money by building and selling our speakers. Some of them build from a kit and add a profit for themselves. Others do custom installations and construction. Just building for your friends can generate a fair amount of income. If you build enough you will even qualify for quantity discounts!

Want to know more? Drop us a note and we'll sent you more information:

Audio Concepts, Inc.
P.O. Box 212
La Crosse, WI 54602-0212
Attention: Dept. D

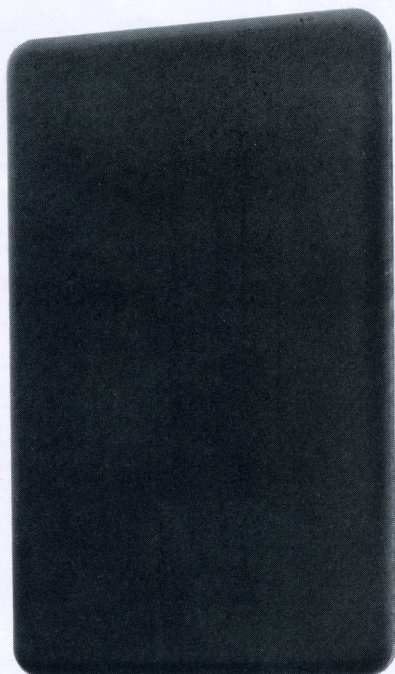
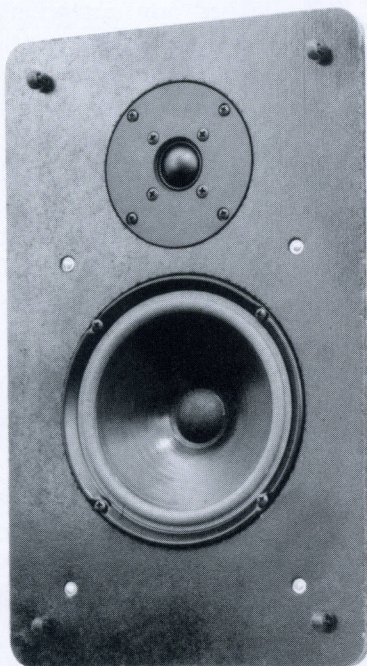
Questions ?

Call
(608) 784-4570



The JR1 Wall Speaker

\$299.00 pr.



The JR1 Wall Speaker will revolutionize the way you enjoy music in your home. Now you can have the sound quality of the finest stereo speakers without the clutter of conventional speaker boxes. The JR1 speakers mount flush in your wall and take up absolutely no floor space.

Use of the highest quality parts with an innovative design in the JR1 yields sound quality comparable to fine conventional speakers. The JR1s sound like much larger speakers. The bass is powerful and clean and the mids and highs are clear and lifelike. The JR1s produce a quality of sound that you will enjoy for years.

The JR1s can be used in many ways:

- * As your main stereo speakers,
- * For side or rear channel speakers in custom video installations,
- * To extend quality stereo throughout the home, to enjoy quality sound in bedrooms, kitchens, family rooms and work areas,
- * To provide high quality music in your personal or business office.

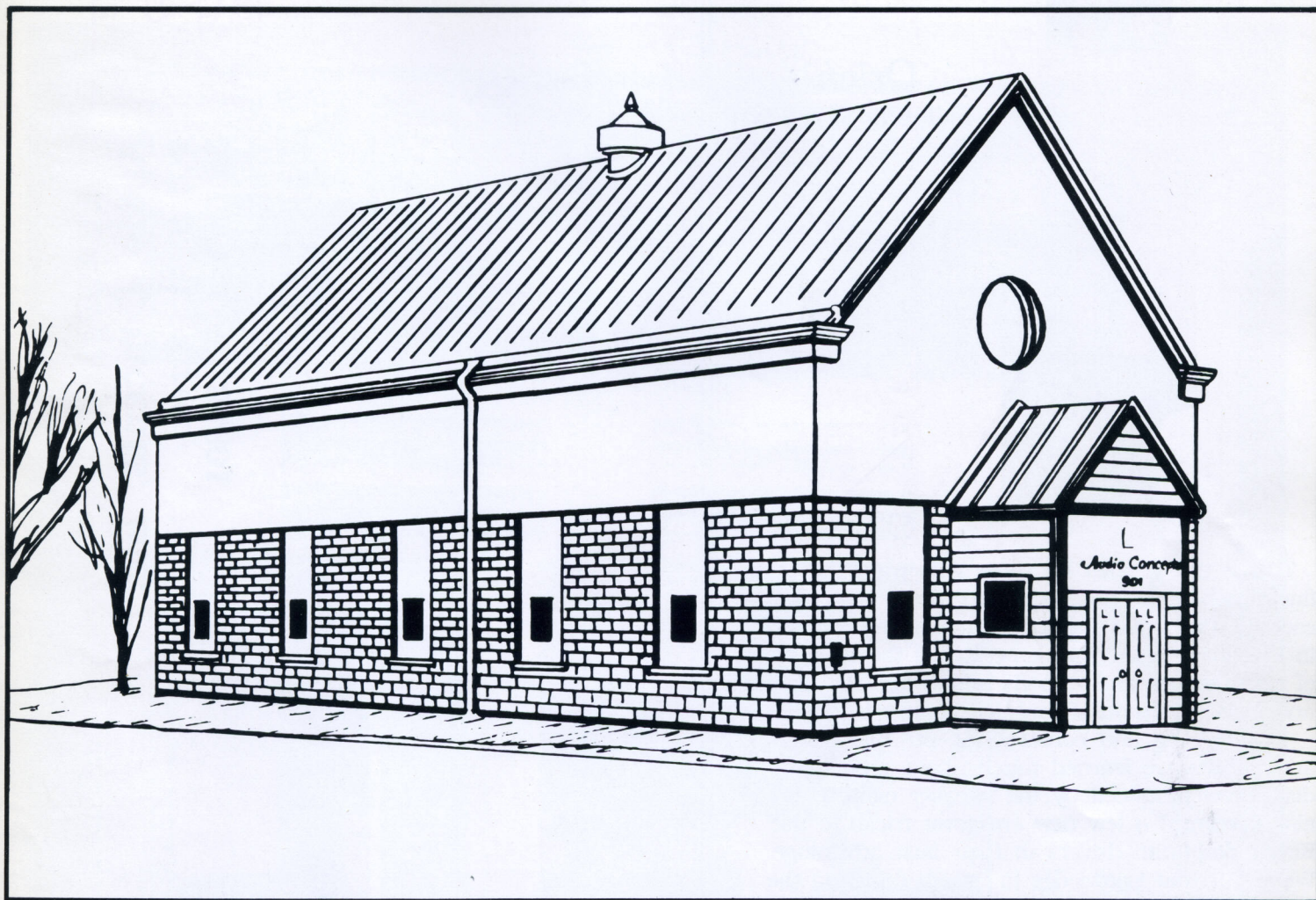
The JR1s can be installed in any wall with conventional two by four framing and sheet rock construction. Installation requires cutting a hole in the sheet rock and using the JR1 clamping mechanism to mount the unit into the wall. The entire operation can be accomplished in a couple of hours. Do it yourself, or hire a local contractor to install the JR1s for you.

When you order your JR1s select from the following grill colors: Black, Beige, Brown, White or Light Grey. Or, send us your own cloth and we will wrap the frames for a nominal charge.

Is your order ready?

Call

1-800-346-9183



The land on which Audio Concepts, Inc. is now located was originally sold by the U.S. Government to Nathan Myrick on February 8, 1848. The land was purchased by the trustees of the St. John's church in 1866 with construction of the present stone structure following in 1867.

In March of 1926, the property was sold to the La Crosse chapter of the KKK. A year later, the KKK defaulted on payment, and St. John's once again owned the property. At this point, St. John's sold the property to Joseph Buchner. From then on, the building was used for a tent and awning business with the second floor being added in the 1930's. Jack Buchel purchased the property in 1957 after Mr. Buchner died and the La Crosse Tent and Awning Company continued to do business out of the building for almost 20 years. In 1984 the exterior windows were partially covered and the stucco added on the upper half.

The building was vacant for several years until purchased in May of 1988 by Mike Dzurko, President of Audio Concepts, Inc. Extensive interior renovation and remodeling including all new heating and cooling systems, plumbing and electrical was completed in the summer of 1988. The all new lab and testing area was finished in January of 1989.



NEW!

Orion

Full Kit: \$1199.90

Parts Kit: \$679.90

This is the speaker for those who want the finest money can buy, but can't afford it. A true esoteric, the Orion has pinpoint imaging as found in the finest "mini" speakers. It has the resolution of electrostatics and ribbons and it has the power and bass extension of large dynamic systems.

In designing and constructing the Sapphire and Saturn, we learned much about reducing distortions produced by the speaker cabinet. We also developed a few new crossover tricks to use Kevlar diaphragm drivers to their best advantage. We've put that knowledge to use in designing the Orion. Overall, the Orion is our finest speaker.*

The Orion sounds like live music. The Orion simply cuts through all the veils that are found in most speakers and you hear the music as it was recorded. Music heard through the Orion is transparent, three-dimensional, powerful and lifelike. You would have to spend three to five times the cost of the Orion to equal its performance. The Orion has been compared with: B&W Matrix II (\$5000 pair), KEF 105 (\$5000 pair), Altec Lansing 550 (\$12,000 pair), and the Wilson WATT (\$4900 pair). Putting the huge price difference aside, the Orion competes on an equal level with any of these speakers. Building as a kit and buying direct from the factory means a terrific value to you.

The large Orion is visually impressive and will surely fit into your decor. The best investment you can make is to order your Orions today!

**The Sapphire-Saturn combination offers slightly higher output, better bass extension, and a slightly better stereo image. However, cost is significantly higher and the combination takes up twice as much space as the Orion.*

Assembly time: Under eight hours.



Audio Concepts, Inc.
901 S. 4th Street
La Crosse, WI 54601

17909
Wayne Hausknecht
523 N. Jacobus
Tucson, AZ 85705

(608) 784-4570

Bulk Rate
U.S. Postage
PAID
La Crosse, WI
Permit #100

AUDIO CONCEPTS, INC.

Update to catalog #32 -Revised speakers/kits and current prices.

Dear Music Lover,

Because total customer satisfaction is our goal, AUDIO CONCEPTS, INC. is pleased to announce several major refinements in our 1990 line of speakers.

- ❑ *In response to customer requests, we now offer all of our speakers assembled!*
- ❑ *Full Kit cabinets and assembled speakers now have clear lacquered finishes over A grade real oak! (No need to mess with stains or oils!)*
** Laser, M2, and Pulse cabinets are unfinished oak.*
- ❑ *Custom black or white lacquer finishes are now available on selected models, (please refer to chart).*
- ❑ *We've refined and revised our speakers and kits with updated crossovers and impressive cabinets. The 1990 speaker line-up looks and sounds better than ever while still offering incredible value!*
- ❑ *We've simplified ordering by having set shipping charges for each speaker and kit to be delivered in the continental United States.*

I invite you to audition one of our kits today. Our no-hassle, no-risk guarantee assures that you will be satisfied. Call Toll Free 1-800-346-9183 to order, Fax your order to (608) 784-6367, or call (608) 784-4570 and let one of our expert sales consultants help you pick the best AUDIO CONCEPTS, INC. speaker for your needs. We look forward to satisfying your listening needs!

Best Regards,



Mike Dzurko
President

Revised Prices on AUDIO CONCEPTS, INC. drivers effective 4/1/90

AC8 woofer \$45. - AC10 woofer \$55. - AC12 woofer \$65. - JC12 Woofer \$65.

Replacements: Seas H398 with Vifa D25A, Seas H392 with Vifa D26T, and Seas 10FM with Vifa M10. The Vifa units offer superior performance, same low cost. Replaceable voice coils for the tweeters available at: \$8.50 for D25A and \$5.75 for the D26T.

New Speakers and Revisions for Spring 1990

The S2R

The S2R is the third generation of an uncommon small speaker. We've played the prototypes for hundreds of people and the average price "guessed" has been \$1000 pair! The S2R has phenomenal image, is very low in coloration and has superior dynamic range. The bass is clean, tight and surprisingly powerful for its small size. Want more bass? Add the new JC12P/F subwoofer for an encompassing full-range

system at a bargain price. The new S2R simply blows away the small speakers from Bose, AR, Boston Acoustics, Polk, et al.

Thank the new angled front combined with the new Vifa D25A aluminum tweeter, the AC7 bass-mid and an innovative crossover for such superior performance from an inexpensive speaker. We've been told, "You're underpriced! You'd sell more if you'd double your price!"

but we want to pass the savings on to you!

The optional stands are highly recommended for the optimum stereo imaging. Fax your order today!

Compact Monitor Revised

Classic Dynaudio installed in an exceptional new cabinet combined with Jack Caldwell's crossover magic resulted in the Compact Monitor Revised. Thousands of owners of the original Compact Monitor returned warranty cards with comments like *"Excellent tonal and timbre accuracy, spatial clarity, solid bass extension."* The CM Revised is significantly better. You'll enjoy your music in ways you never dreamed of. Hear the palatable presence of the details and nuances of music recreated in your living room.

Can't decide between the CM Revised or the Sapphire II? Call (608) 784-4570 and let one of our expert sales consultants help you make the best decision. Order your CM Revised with matching stands in white or black lacquer. You'd pay twice as much anywhere else for these sand-loaded and spiked stands. Call us today!

Sapphire II

"The Sapphire is highly recommended, and before we forget we must also acknowledge the good looks and very solid construction of the various blond-oak cabinets we were sent," Peter Aczel, in the latest issue of The Audio Critic. (Full reprint available upon request.)

The Sapphire II is a small cabinet version of the Sapphire. The Sapphire II offers comparable performance to the Sapphire in a smaller, less costly enclosure. Extensive internal bracing, Acoustical Magic[™] coating, the sophisticated Caldwell designed filter, and the special Focal K2 drivers combine into what may be the finest small monitor speaker available *at any price!* Competition for the Sapphire II would range from the Celestion SL600si at \$1800 pair to the WATTs at around \$4900 for the pair.

The Sapphire II, (and original Sapphire) have exceptional transient accuracy. Pulse reproduction is better than all but a few exotic, (and costly) planar speakers. (The Sapphire/II reproduces a pulse very nearly as well as the reference Quad ESL63 U.S. monitor. For its price, the Sapphire II is the best buy in High-End

audio. Order the optional stands to get the best sound *and* appearance.

The Sapphire II has good bass-extension, but for the ultimate bass add a pair of the Saturn subwoofers using the four-piece Sapphire-Saturn crossover.

JC12P/F

The subwoofer you've been asking us for is finally here! Compact and attractive, use the JC12 as a plant stand or an end table! The JC12 is a great way to add bass impact and extension to most compact speakers. The dual-voice coil, Caldwell designed 12" woofer is flat to the mid 30Hz range. The integral crossover splits the signal between the satellites and the subwoofer at around 100Hz. This subwoofer-crossover is far superior to subwoofers commonly found in Hi-Fi stores in the under \$500 range. Bass is not only powerful, but clean and fast.

Order the JC12P if you want to build your own cabinets, order the JC12F if you want our cabinets, or order the JC12A if you want it already assembled. The JC12 stock finish is clear-coat A grade oak but white or black lacquer are also available options.

Orion II

The Orion II integrates the bass-performance of our highly-regarded Saturn subwoofer into a one-piece design. We recommend using a *lot* of power with the Orion II to realize its full potential. High-current amplifiers are necessary for the best sound.

Laser R and C2R

We've upgraded the tweeter in both of these popular speakers to the new Vifa D25A ferro-fluid cooled aluminum dome. This excellent aluminum dome tweeter offers improved smoothness and detail over the tweeter we used previously.

G2R and M2R

We've upgraded to the excellent Vifa D25A aluminum dome tweeter for improved high-frequencies, and have also updated the midrange to the Vifa M10 for better definition and clarity.

**Fax for orders only:
(608)784-6367**





1990 Kit Pricing Additions/Revisions..Effective 4/1/90

(All speakers and kits priced per pair unless noted)

	PARTS KITS	FULL KITS	ASSEMBLED
S2 Revised*	\$189.	\$299.	\$359.
shipping charges	\$ 12.	\$ 24.	\$ 24.
Compact Monitor R*	\$389.	\$499.	\$559.
shipping charges	\$ 14.	\$ 26.	\$ 26.
Sapphire II*	\$479.	\$699.	\$759.
shipping charges	\$ 15.	\$ 30.	\$ 30.

(*The S2R, Compact Monitor R, Sapphire II, and JC12F are also available in white or black lacquered oak. Allow two weeks additional on delivery and add \$60. per pair, (\$60 per each JC12F) when ordering 1-800-346-9183.)

Stands for the above three speakers only (sand filled, with spikes, priced per pair)

Black stands	\$ 99. shipping charges \$15.
White stands	\$119. shipping charges \$15.

Sapphire	\$479.	\$999.	\$1099.
shipping charges	\$ 15.	\$ 50.	\$ 100.
JR1 Wall Speakers	N/A	N/A	\$249.
shipping charges	N/A	N/A	\$ 16.
C2R	\$199.	\$299.	\$349
shipping charges	\$ 14.	\$ 32.	\$ 32
Laser R	\$299.	\$479. unfinished oak	\$549.
shipping charges	\$ 20.	\$ 45.	\$ 45.
G2R	\$299.	\$499.	\$569.
shipping charges	\$ 20.	\$ 45.	\$ 45.
M2R	\$319.	\$599. unfinished oak	\$669.
shipping charges	\$ 20.	\$ 50.	\$ 80.
Super Titan	\$799.	N/A	N/A
shipping charges	\$ 30.	N/A	N/A
Orion II	\$899.	\$1429.	\$1599.
shipping charges	\$ 30.	\$ 85.	\$ 110.

SUBWOOFERS	PARTS KITS	FULL KITS	ASSEMBLED
Saturn	\$299.	\$699.	\$849.
shipping charges	\$ 28.	\$ 70.	\$100.

(No crossovers are included with the Saturn subwoofer. Option: Sapphire-Saturn four-piece modular crossover \$199. per pair plus \$10. shipping.)

JC12P	\$149.	\$269.	\$319.
shipping charges	\$ 12.	\$ 25.	\$ 25.

(The JC12P is a single mono subwoofer which includes an internal passive crossover.)

Pulse	\$259.	\$459 unfinished oak	\$559
shipping charges	\$ 20.	\$ 50	\$ 50

(No crossover is included with the Pulse subwoofer. Option: Passive crossover for use with S2R or Compact Monitor R \$89. per pair plus \$5. shipping.)

Please note: Please call for current prices and availability of cabinets and crossovers sold separately, (not in a kit).



AUDIO CONCEPTS, INC. presents its updated versions of (L to R) the Sapphire II, the S2R placed on top of the JC12F subwoofer and the Compact Monitor Revised. (These speakers/kits are available in white, black or oak, please see price list inside.) Stands are optional.

AUDIO CONCEPTS, INC.

**901 South Fourth St.
La Crosse, WI 54601**

Bulk Rate
U.S. Postage
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La Crosse, WI
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