

icon Audio *PM6 Loudspeaker*
Incredible Value Horn Loaded System
Designed, Tested and Manufactured in the U.K.

The Ideal Loudspeaker?

At Icon Audio we have a belief that keeping things simple has enormous benefits in terms of sound purity, spatial quality and realism. This is born out by the reviews and testimonials we have for our amplifiers.

The new Icon Audio PM6 loudspeaker addresses many of the problems associated with matching loudspeakers to relatively low powered mainly valve amplifiers, and obtaining high quality sound, without the electrical distortion or colouration caused by complex inefficient crossovers that many modern speakers use. These often appear as spatial and colouration problems.

Most conventional moving coil loudspeakers use two or three units to achieve the full range of sound. But this causes problems: for example at what point in the frequency range do you get one speaker to take over from another? It also follows that there are times when both the low, high, (and mid, if fitted) can be trying to reproduce the same parts of the note or tone.

Then there are several problems associated with the 'crossover' network which decides which tones go to which speaker. Crossovers are of varying complexity using capacitors, inductors and resistors, the first two have the property to store energy, the second to dissipate it in the form of heat. Not good news for two reasons, firstly no amplifier (esp transistor) likes to have energy 'kicked back', and secondly the crossover can waste most of the valuable watts delivered from the amplifier, especially tragic in the case of very high quality low powered amps such as single ended valve types, vintage Leak, Quad etc.

The solution that most designers use when dealing with an unwanted 'peak' in the frequency response is to 'flatten' it, which always results in a loss of efficiency, and every time this is done the loudspeaker will become more inefficient. Not only soaking up more and more power but also losing that realistic 'live' quality.



Shown in Light Oak finish



The legendary Lowther PM6 full range does not need a crossover, therefore at a stroke all the problems associated with it are dispensed with. With the added bonus that all the watts from the amplifier reach the speaker voice coil intact resulting in an enormous gain in efficiency, and a purity of sound that is virtually without equal.

Now you may think that the upper frequency response from a full range unit will be limited. Not true! This can be easily overcome by design in the use of powerful magnets (shouldn't all speakers have these?) and special cone materials to give a top response beyond 20khz.

Lowther speakers perform at their best in horn enclosures which have two problems for modern living especially for the smaller room, and that is that they need to be large, and secondly horn enclosures are often an 'unfriendly' shape which can be hard to accommodate. The Icon PM6 overcomes this by using a 2.5m folded vertical horn which is vented at the upper rear. This means the speaker is a very 'Living Room Friendly' vertical shape with a small footprint of only 25cm wide, 34cm deep.

The height of 103cm is an ideal listening height without the use of stands.

An additional advantage is that horn speakers work well close to the wall or corners depending upon your bass preference.

Our cabinets represent incredible value for money, accurately machined from 20mm heavy duty 'Medite' by one of the UK's leading cabinet manufacturers

The standard finishes are real veneers of light oak or cherry



'Medite'. Expensive! But Solid, tough, strong, heavy, inert, non-resonant. Ideal speaker material.

Much has been written about these exception drive units which have been in production for many years and easily repaired or upgraded. The Lowther web site 'lowtherloudspeakers.co.uk' has further reading.

Pros:

- Exceptional clarity and coherence of sound.
- Do not mask any detail from recordings
- High efficiency ideal for amplifiers 4-20 watts
- Well suited to single ended valve amplifiers.
- Small footprint takes up the minimum of space. 25cm wide, 35cm deep.
- Do not need to stand halfway down the room
- Ideal listening height means no stands are required.
- Easy to listen to.
- Precise location of instruments and vocals
- Wide dynamic range
- Easily upgraded to higher spec Lowther unit
- No need to bi-wire'

and Cons:

- Limited power handling (5-20watts) for optimum sound (Max 100watts)
- Exceptionally long 'run in period' of several months, (some say up to 3 years!).
- Not ideal for rock music
- Are more 'directional' than some conventional speakers.
- Do not 'mask' faults in poor recordings

Specifications and Features

- Lowther PM6c Full range loudspeaker
- Frequency response: 35hz to 20khz
- 100 db efficiency @ 1w /1m
- Impedance 8 ohms
- 'Pull off' / 'Clip on' fabric covers
- 2.5m horn loaded cabinet
- High quality banana and spade terminals
- Cabinets ready for spikes or plinths
- Real wood veneers
- 25cm wide, 34cm deep 103cm high, 22kg
- Boxed 1.1m x 35cm x 27cm 24kg (PM6)

(Specifications & price subject to change, errors & omissions excepted 25/10/05)

Recommended Options

Although in its supplied form the PM6 is excellent value for money, we have several other options that have various benefits to the user:

**Two quad sets of high quality spikes
Connects your speakers with the floor to
give you that extra firm bass. £29.95 set**

**A custom made plinth is available to
enhance the appearance of your
speakers, raising them slightly and also
allow the use of spikes. £79.95 pr**

Upgrade Options

The standard model is fitted with the PM6C over 50% of customers upgrade from the basic PM6 when they order. Here are some examples of the additional cost:

EX2	add	£210.00pr
DX2	add	£180.00pr
PM6A	add	£315.50pr
PM7A	add	£620.00pr

All other units will fit apart from the deep Alcomax magnets (PM2A, PM5, PM4) and the smaller 17cm.

**Another worthwhile upgrade is the phase equaliser plug add £101.00pr
(fits all current models)**

Pure silver audiophile cable add £50.00

A choice of light oak, ash or cherry real veneers are available. (subject to availability)

Already have a pair of Lowther Units?

Our cabinets are available for sale at £599.95 per pair.

Price in standard form £1095.95

UPS Next day service £59.95 (UK mainland)
(without options including VAT)

How to order:

Contact us by email or phone to discuss availability, payment etc. You can then pay by credit card or cheque. Your speakers will normally be dispatched in about 7-10 days (credit card) or when cheque is cleared, By UPS next day service, or you could collect and save the shipping cost.

30-Day Trial (personal callers only)

If upon testing the speakers in your own system you are not satisfied. Icon Audio will refund the purchase price less a 10% handling charge.

icon Audio

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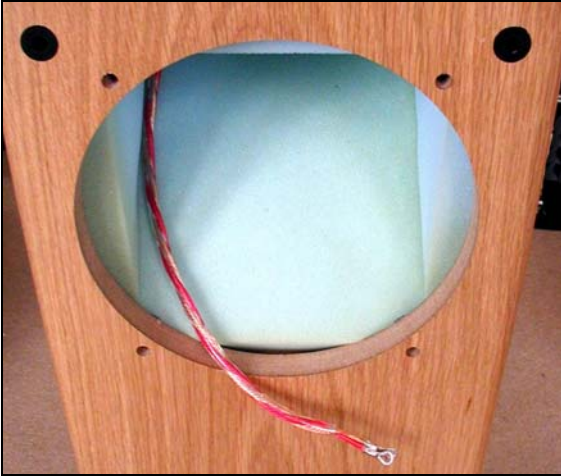
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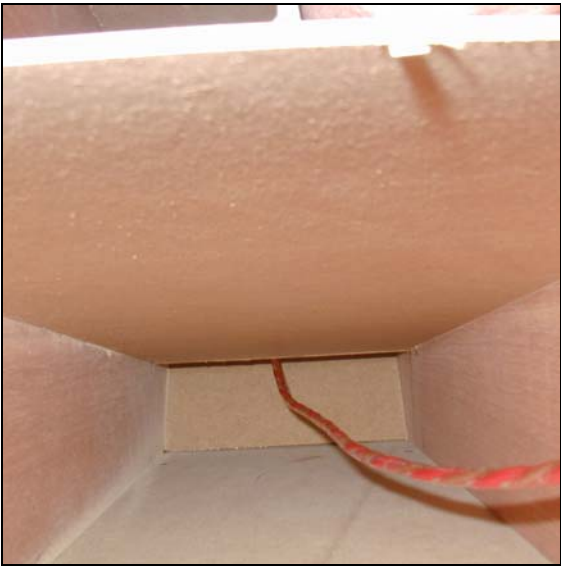
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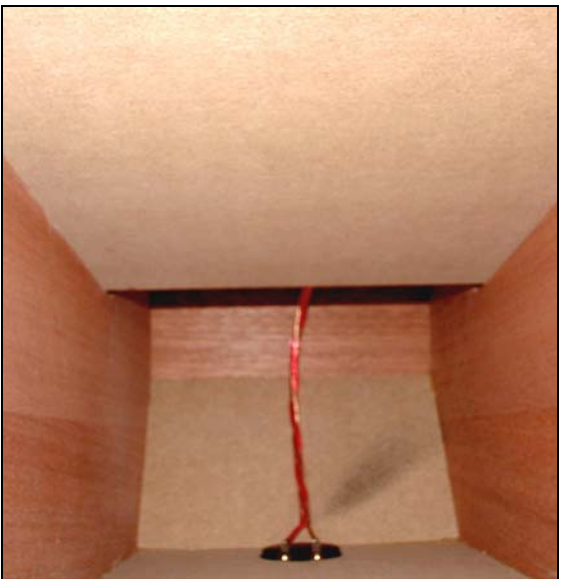
The PM6 during construction:



Precision machined aperture, holes and driver chamber with damping material.



Looking up in the 2nd part of the horn showing the first part of the taper.



Looking down the mouth of the horn showing how the taper is maintained at the 'U' in the bottom of the cabinet.



Horn mouth at the rear (without dust cover)



High quality audio cable and connections.



Driver, ready for installation