

Harbeth

20 30 40

MASTERING  
SERIES



ADVANCED TECHNOLOGY  
STUDIO MONITOR LOUDSPEAKERS



# MASTERING SERIES

Since 1977, when Harbeth was founded by the senior ex-BBC audio engineer, Harbeth has pioneered advanced loudspeaker technology, first with polypropylene and now in the digital era with RADIAL™. Engineered around Harbeth's British Patent 2269511, Harbeth's professional monitors satisfy the most critical users demand for high resolution, natural easy sound, and reveal low-level detail in compressed (MPEG) audio that is inaudible on conventional speakers.



*The Mastering Series provides a frame of reference to the sound professional in:*

*Sound/vision galleries*

*On/off line editing and dubbing*

*Outside Broadcast and audio/video workstations*

*Technical Quality Assessment and control*



Users familiar with 'the BBC sound' will be instantly at home with these monitors and their natural 'family' sound, so that projects commenced on the miniature Monitor 20's can be confidently finished on Monitor 30's or 40's and vice versa. The clear advantage of Harbeth's technology is vividly demonstrated in today's 'workstation office', where modest acoustic isolation and high ambient noise levels require the high definition 'BBC sound' at all listening levels. Magnetic shielding permits positioning right next to colour picture monitors.

Designed by Alan Shaw for a consistent Harbeth sound balance throughout the range, the Mastering Series philosophy enables any combination of Monitor 20, 30 or 40 to be integrated into two channel stereo through five+ channel Dolby Digital (AC3) monitoring solutions, all with a smooth, involving uniform sound. For critical listening, nothing out-performs Harbeth's patented technology.

### *Available in both passive and active*

Advanced electronics allows fine adjustment of frequency response to compensate for difficult environments or user taste via comprehensive local and remote control facilities. In the case of the Monitor 40's Open Architecture, there is no limit to the flexibility of adjustment: it is, quite simply, the ultimate monitoring solution.



## Monitor

20

Well known in sound and vision galleries, digital workstations and OB's, the Monitor 20 offers a remarkably full scale sound that belies its extremely compact dimensions. Magnetically shielded, the 20's can be sited immediately adjacent to TV monitors: ideal for nearfield monitoring in desktop sound and video editing. The two-way sealed box has a skillfully contoured bass response for a solid impression of bass warmth combined with an accurate presentation of programme balance and excellent stereo imaging. Wherever space is at a premium and a true monitor is demanded, the Monitor 20 is the solution.



*The passive Monitor 20 is a drop-in replacement for the BBC LS3/5a.*

*An Active Monitor 20 is also available.*

### Monitor 20 Short form Spec

Size: (h x w x d)	306 x 190 x 190 mm
Sensitivity:	82dB/1W/1m ea.
Impedance:	4-6 Ohms
Max power:	50W
Recommended amp (passive)	50-75W rms
Drive units:	110mm bass/mid; 19mm HF

Full specifications: [www.harbeth.com](http://www.harbeth.com)

~ L O U D S P E A K E R



## Monitor 30

■ Crafted around Harbeth's RADIAL™ technology, the Monitor 30 achieves effortless clarity throughout the midrange, with extended bass and at higher levels than the Monitor 20. The excellent midband clarity and resolution of the 30's permits critical judgement of audio quality - essential where multi-pass MPEG encoding/decoding/re-encoding occurs. Magnetically shielded, the 30's can be conveniently mounted on floor stands, hung from ceiling brackets or positioned right next to colour monitors.

Ideally suited to medium size control rooms/cubicles for all speech and music reproduction, the Monitor 30 is the excellent all-round solution. Combined with Monitor 20's for the rear channels, a Monitor 30/Monitor 20 system creates a superb yet compact Dolby Digital surround mastering system.

■  
The passive Monitor 30 is a drop-in replacement  
for the BBC LS5/9.

■  
An Active Monitor 30 is also available.



## Monitor 40

■ Of similar dimensions to the BBC LS5/8, the 40's build on the 'BBC Grade 1 Reference Monitor standard' with extended dynamic and frequency range together and the complete elimination of colouration. The Monitor 40 is the preferred choice for sound professionals working at the cutting edge of recorded sound, where absolute confidence ensures on time/cost production budgets.

Three optimised drive units (including the mid and tweeter units from the Monitor 30) are seamlessly combined to generate a 'curtain of sound' experience for pin-point stereo and thrilling neutrality. No matter how long or late the session, the Monitor 40 delivers clean, smooth natural sound at any listening level and distance in the near, mid or far field. The ultimate monitor. *Active, see overleaf...*

■  
The Active Monitor 40 is a drop-in replacement  
for the BBC LS5/8.

■  
Also available as a passive monitor.

### Monitor 30 Short form Spec

Size: (h x w x d)	460 x 277 x 285 mm
Sensitivity:	85dB/1W/1m ea.
Impedance:	8 Ohms
Max power:	100W
Recommended amp (passive)	50-150W rms
Drive units:	200mm RADIAL™ bass/mid; 25mm HF

Full specifications: [www.harbeth.com](http://www.harbeth.com)

### Monitor 40 Short form Spec

Size: (h x w x d)	750 x 432 x 400 mm
Sensitivity:	84dB/1W/1m ea.
Impedance:	6 Ohms
Max power:	200W
Recommended amp (passive)	100-250W rms
Drive units:	300mm bass; 200mm RADIAL™ bass/mid; 25mm HF

Full specifications: [www.harbeth.com](http://www.harbeth.com)

# The active Monitor 40 is the ultimate monitoring solution: the 'BBC sound' and unlimited user flexibility.



## The Secret is RADIAL™

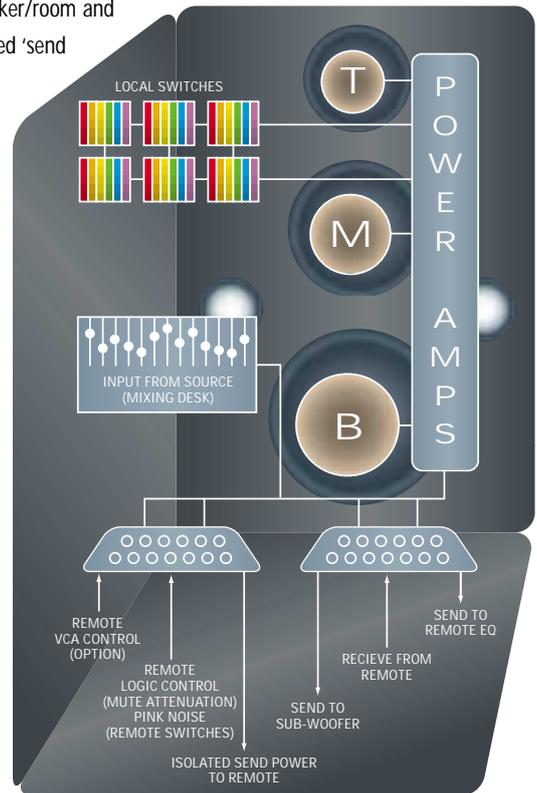
A loudspeaker's fundamental sound quality is limited by the colouration of its midrange cone material. A Harbeth/British Government sponsored R & D programme has produced an innovative breakthrough: Harbeth's patented RADIAL™ cone. Engineered from basic polymeric molecules upwards for superb acoustic properties, the clarity and detail of the midrange confirms the Mastering Series as the highest resolution monitor systems in the world.



Alan Shaw ~ Harbeth's Designer/Managing Director

Engineered around Harbeth's Open Architecture, the 40's local multi-band, user programmable shelf-up/shelf-down controls, subsonic filters, optional VCA and inbuilt pink-noise generator make for perfect speaker/room and user integration. The ingenious balanced 'send to remote' and 'receive from remote' allows unlimited and highly specific equalisation to be applied to correct acoustic differences in less than ideal environments - or to force the 40's at the touch of a button - to emulate any other loudspeaker; a convenient way to reassuring the Producer of audibility in a typical listener's home.

Modular, future proof and easily serviced, the 40's opto-coupled logic control allows muting of individual drive units, and the MOSFET power amps develop a generous reserve for accurate transients. Wherever absolute confidence, flexibility and effortless neutrality is necessary, the Monitor 40 Active is the comprehensive solution.



## Harbeth Technical Support

Although Harbeth Monitor 20, 30 and 40 systems functionally replace the BBC LS3/5a, LS5/9 and LS5/8, Harbeth are able to refurbish and recalibrate the earlier BBC models using original spares. This support will continue as long as spare part stocks permit.

Whatever your monitoring needs, the Harbeth Mastering Series can accommodate with precision. For further application or technical support, please contact Harbeth:

**Harbeth Audio Ltd.** Unit 11, Ditchling Common Est. Hassocks, West Sussex, U.K. BN6 8SG.  
Tel. 01444 235566 Fax. 01444 870066 E-mail. [monitors@harbeth.com](mailto:monitors@harbeth.com)

Specifications are subject to change without notice:  
please check with [www.harbeth.com](http://www.harbeth.com) for latest details.

# Harbeth®

~ L O U D S P E A K E R S ~  
~ N A T U R A L L Y ~