

Dynaudio Acoustics LS5/12A BBC Reference Monitor

Since 1922, the BBC has led the field in broadcasting design, and BBC Research and Development enjoys a reputation and depth of experience which is quite simply unique. The rarity of new loudspeaker designs from the BBC stands testament to the long gestation period and extended lifespan of each project, as illustrated by the legendary LS3/5A and LS5/9 models which have for many years formed the mainstay of broadcast monitoring in almost every country in the world.

BBC Loudspeaker specialists from TV, Radio, Outside Broadcast and World Service have pooled their resources to define the requirements for a new monitor, capable of meeting the following criteria:

The unit should be similar in size to a LS3/5A, but have a sound balance similar to existing large monitors. It should produce extended bass for its size, but be sufficiently robust for use with an external Bass Extension System, forming the basis for a family of modular monitoring systems. Coloration should be very low. Consistency should be very high. The maximum achievable SPL should be 96 dBA or greater. The unit should have a very low external magnetic field, to permit use alongside television monitors. The tweeter should be protected from external damage.



Main Features:

- Miniature loudspeaker with big monitor sound.
- Optimised to BBC specifications.
- Very low distortion.
- Superior transient response.
- Every cabinet matched to within 0.25dB of reference.
- Ferrofluid cooled tweeter for reduced power compression.
- Innovative aerodynamic design techniques allow the LS5/12A to use an unusually large port cabinet size, reducing port noise to a minimum.
- Sophisticated crossover design allows for bi-wiring.
- Gold plated binding posts supplied as standard. Neutrik "Speakon" connectors optional.
- Shielded magnets reduce magnetic radiation, allowing use near T.V. monitors.
- Only air cored inductors and high grade polypropylene capacitors used in crossover construction.
- PCBs use 5 oz. copper instead of the normal 1 oz. copper for low resistance
- Fully compatible with Dynaudio Acoustics ABES (**discontinued**) system for extended frequency response and configuration flexibility, including full range use in L-C-R monitoring with sub bass channel.

LS5/12A BBC Specifications:

Position	Nearfield.
System Type	2 way passive
Size mm	296Hx184Wx206D.
Weight/Kg	7.2.
Sensitivity dB/1Watt at 1 metre	82.
Impedance/ohms	8.
Typical SPL at 1.25 metre, 2 cabs/dB	108.
Frequency response	50Hz-20kHz (3dB)
Long term powerhandling RMS/Watts	100.
Maximum power handling/Watts	1000.
ABES Option (discontinued)	Output levels up to 114dB, with 35Hz-20kHz frequency response.

The LS 5/12A combines standard Dynaudio drivers with a crossover and cabinet of BBC design, and is now manufactured under license by DynaudioAcoustics in Denmark. It may be operated as a stand alone, full bandwidth monitor, for use in small studios or listening rooms, and fully recreates a large speaker sound from a very small box. Maximum midband output SPLs on most types of program are in excess of 100dBA. When combined with a single DynaudioAcoustics Active Bass Extension System (ABES) (**discontinued**), SPLs of up to 114dB may be achieved, with a frequency response from 35Hz - 20kHz. Addition of the ABES surround sound extender option allows realisation of full L-C-R monitoring to these specifications.