

Owner's Manual

DLS On-wall speakers

Flatbox



Audio for Life

**The information contained in this manual is subject to change without prior notice. The most current version of this manual is available on our official website at:
www.dls.se**

Introduction

Please read this manual fully before unpacking and installing the product. It will help you to optimise the performance of your speakers.

Unpacking and maintenance

Your speaker should be treated with the same care you would treat a piece of furniture. Use only a piece of soft cloth and a small quantity of warm soapy water to clean the loudspeakers. Avoid touching the cone of the bass unit or treble dome since this may leave a finger mark or even damage the dome and spoil its performance. After unpacking, we suggest you retain all packing material for future transports.

Running-in period

The performance of the speaker will change subtly during the listening period. Please allow your new speakers to play about 50 hours of music at normal listening level before doing any critical listening.

Room positioning

The performance of a loudspeaker system in a room varies with placement. Ideal positioning of the speakers are 2-3 metres apart and preferably at least 0.5 metres away from side walls. The speakers must be installed hanging on the wall. You will experience the most accurate sound picture if you listen from a position halfway between the loudspeakers, and 3 to 4 metres away. Objects in the direct sound path can disturb the coherence of the sound picture. Try out different positions before deciding on a final arrangement.

Mounting

The Flatbox speakers have "keyholes" on the back side to allow mounting in many different ways. Mount the speaker box in a way that allows a free air flow from the port.

Front cloth panel

All Flatbox speakers comes with both a black and a white cloth front. The fronts can be easily removed, just pull outwards. Choose the color that best matches your room interior. For best sound performance the front cloth must be mounted.

Adjustable rubber feet

All models have adjustable rubber feet, you can screw them in or out by turning the rubber foot. It is important to adjust the feet if your wall is uneven. The speaker box should have a good contact against the wall.

NOTE!

All On-wall speakers must be installed hanging **on** a wall. The good sound performance of these speakers is obtained only when they are wall mounted.

Connections

Make sure to turn off all amplifiers before connecting your new speaker to your system. Connect the cable to the terminal. Use the marking of the cable to ensure that the red or "+" mark of the amplifier is connected to the "+" side of the terminal, also marked with red. We recommend high quality cables. Ask your dealer for the best cable for your needs.

Power handling

DLS recommends using amplifiers within a specific power range. However, the most important thing is that the amplifier has sufficient power reserves for handling peaks and transients in the music signal. The power rating figure of a loudspeaker is a very imprecise figure. Since the energy in the music signal varies, neither peak nor average value is relevant. A power rating of e.g. 100W RMS says only that you can play a continuous tone of 1kHz at this output. It does not mean that you can turn the volume all the way up on a 100W amplifier and expect clear sound and healthy speakers. The greatest danger to a loudspeaker is distorted signal. Distortion in the low frequency range produces overtones in the entire spectrum, with an energy that can easily damage the tweeter units. And since a more powerful amplifier can play louder without distortion, we have the paradox that it is a greater risk to damage speakers by playing loud with a smaller amplifier.

Caution!

If you hear distortion when you increase the volume this is normally a sign of overloading the amplifier and you should immediately reduce the output level. Use of loudness, bass or treble boost increases the risk for harmful distortion in the amplifier. We recommend that you use these controls with care.

Service

Should your DLS loudspeaker system require service, or if you have difficulty in achieving the fine performance of which your DLS loudspeaker system is capable, consult your DLS dealer. Your dealer has the knowledge required to provide expert advice and assistance. In case the DLS dealer is unable to assist you, you are welcome to contact the DLS Technical Department at: info@dls.se.

Warranty conditions

This product is covered by warranty, depending on the conditions in the country where it is sold. If the speaker is returned for service, please include the original dated receipt with the product. This warranty is valid only in the country of purchase, to the original purchaser and is non-transferable.

DLS loudspeakers are music listening devices and should be used for listening purposes only. They must not be connected to any other equipment than amplifiers within the specified power range.

DLS cannot be held responsible for damage or injuries caused by improper use, or use in violation with the recommendations in this leaflet.

Technical data

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CE

Marking by the "CE" symbol indicates compliance of this device with the EMC (Electromagnetic Compatibility) and LVD (Low Voltage Directive) standards of the European Community



This product must be returned to the separate collection system for electronic products. Do not dispose this product together with general household waste.

