

Technical introduction

BeoLab 8000 is an active speaker equipped with integrated power amplifier and electronic crossover network.

There is one amplifier for the reproduction of bass and one for the reproduction of treble.

BeoLab 8000 is a two-way reflex cabinet system with two woofers, and one tweeter.

BeoLab 8000 is equipped with ABL (adaptive bass linearization), ABL are given the lowest frequencies an adjustable boost, depending on the sound pressure. The human ear will not immediately notice this change because of the sensitivity curve of the ear.

ABL is introduced from serial no. 10145230.

Sound update in March 2003

The product

The sound performance is improved significantly in the updated BeoLab 8000.

The ABL and crossover/equalization circuitry are improved. This implies an improvement of both the overall tonal properties as well as the bass performance - especially when playing at a high sound pressure level.

New item nos.

The updated version of BeoLab 8000 will maintain both its name and the existing type numbers. Only the part numbers has been updated:

Type No.	Item No.	Color	
6801	1680100	95	New
6801	1680101	11	Old
6802	1680200	95	New
6802	1680201	11	Old
6803	1680300	95	New
6803	1680301	11	Old
6804	1680400	95	New
6804	1680401	11	Old
6805	1680500	95	New
6805	1680501	11	Old
6806	1680600	95	New
6806	1680601	11	Old

New amplifier section

A new part number for the amplifier section is now available: 8100082.

The earlier used amplifier (part number: 8000681) is still available for service purposes.

How to update an old product

It's necessary to replace the complete amplifier section (part number: 8100082) to update an older product. The loudspeaker units will need a new adjustment as described in the instruction following the amplifier section. It is recommended to change all BL8000's in a setup.

The above mentioned improvement of the sound performance has been introduced in the production as from serial no.: 16992475.

Type numbers

Markets	Type number
EU	6801
GB	6802
USA-CDN	6803
J	6804
AUS	6805
KOR	6806
CHK	6809

First serial number and date of introduction

Introduced in 1992. Type 6806 introduced in 1998 and type 6809 was introduced in 2004.

Survey of modules

Product name:
BeoLab 8000

Type:
6801(EU) - 6802(UK) - 6803(USA) - 6804(J) - 6805(AUS) - 6806(KOR)

Module no.	Name	Part no.	Text
1	Transformer	8006038	
2	Power Supply	8000681	<i>incl. PCB 4</i>
3	Output Amplifier	8006046	
4	Crossover network	8006048	
4	Crossover network and ABL	8000681	
5	Line/Shift	8006052	
6	Stand by	8006050	
7	Power Link	8006049	
8	NTC	8006049	

How to service

Service on component and module level.

Speaker level adjustment is necessary when replacing a loudspeaker unit, or replacing the amplifier PCB 03.

Other service issues

Service manual	GB - D - F	3538801	Pasted into 3538717
Service manual, ABL	GB - D - F	3538826	Pasted into 3538717