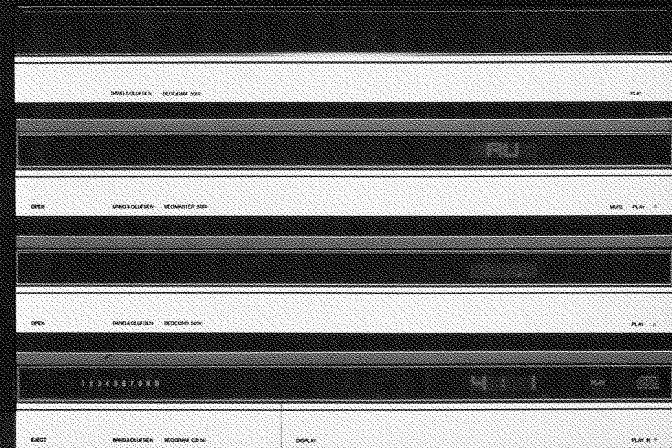


BANG & OLUFSEN

BEOGRAM CD 50

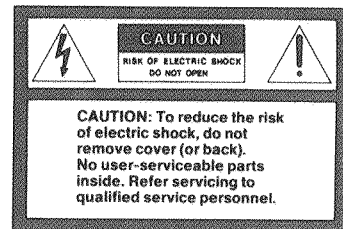
Beosystem 5000



BEOGRAM CD 50

Contents

- 1 Setting up
- 2 How to load the compact disc
- 3 Start playing
- 4 What's the meaning of the displays on the compact disc player?
- 5 Finding other tracks
- 6 Pause during play
- 7 Programming tracks
- 8 Scanning a compact disc
- 9 Switching off
- 10 Direct operation on the Beogram CD 50
- 11 Cleaning
- 12 Handling compact discs
- 13 Playback with laser optics
- 14 Technical specifications
- 15 International guarantee



WARNING: To prevent fire or electric shock, do not expose this appliance to rain or moisture.



This symbol indicates that a dangerous voltage constituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 >

08:25

PLAY

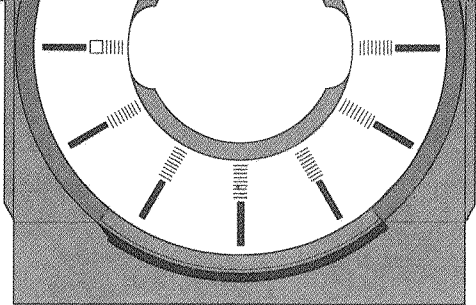
COMPACT
DISC
DIGITAL AUDIO

OPEN

BANG & OLUFSEN BEOGRAM CD 50

DISPLAY

PLAY H



Beogram CD 50 is a compact disc player from Bang & Olufsen, Denmark. It has been specially designed and developed to be an integral part of the Beosystem 5000, which is now a full-fledged music system consisting of:

*Beomaster 5000
Master Control Panel 5000
Beogram 5005 or Beogram 5000
Beocord 5000
Beogram CD 50*

All the components in the Beosystem 5000 feature the Bang & Olufsen Datalink system. This means that only one single touch is required to switch from one source to the other, e.g. from radio to tape recorder or compact disc player.

COMPACT
disc
DIGITAL AUDIO

Operation in general

If you connect your Beogram CD 50 to the Beosystem 5000, all its functions can be operated by remote control via the Master Control Panel 5000. This owner's manual is composed on that basis, and so **when describing the various functions we refer to the buttons on the Master Control Panel.**

The owner's manual for the Master Control Panel also contains a description of how to operate the Beogram CD 50. However, it must be noted that this description may differ slightly from the description in this manual for the Beogram CD 50. This is due to the fact that the Beogram CD 50 has been modified since the owner's manual for your Master Control Panel was written.

Where any differences exist you should follow the instructions in this owner's manual.

Of course, Beogram CD 50 can be connected to other Bang & Olufsen products or products of other makes. The CD Terminal, a remote control unit designed specially for the Beogram CD 50, offers you the same possibilities of remote control as does the Master Control Panel. An infrared receiver must be installed into the compact disc player. The CD Terminal and the infrared receiver (optional accessories) can be supplied and installed by your Bang & Olufsen dealer.

1 Setting up

Placement

The compact disc player must be placed horizontally on a stable surface. To ensure sufficient ventilation, the compact disc player must not be placed closer than 5 cm (2 inches) from any wall or panel of a shelving system.

The compact disc player may be placed as the bottom component in the Beosystem 5000. All the components in this system are supplied with rubber feet so as not to impede ventilation when the components are stacked.

You must make sure that sufficient room (10-15 cm or 4-6 inches) is left in front of the compact disc player to allow the disc tray to open freely.

Avoid placing the compact disc player in direct sunlight or heat from radiators and other heat sources.

Power supply

When connecting the compact disc player to the main power supply, you will see a tiny red dot (a light diode). This indicates that the compact disc player is in its

stand-by position and ready to be operated. The compact disc player is designed to be left in its stand-by position when not used.

Connection to amplifier

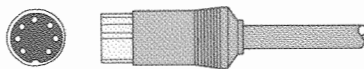
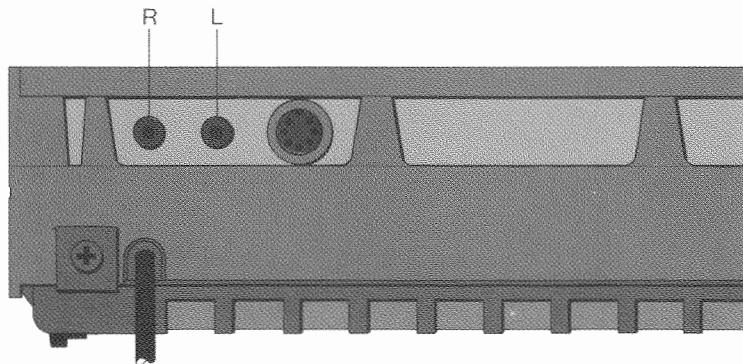
Connect the compact disc player to the AUX-CD input on the Beomaster by means of the cable with 7-pin DIN plugs supplied with the compact disc player.

You may also connect the compact disc player to any other amplifier via the phono-sockets next to the 7-pin DIN socket on the rear of the compact disc player.

Protection during transportation

We have placed a piece of red tape on the front edge of the disc tray in order to protect it against damage during transportation.

When the compact disc player is in its stand-by position, you can make the disc tray open by pressing OPEN in the left corner of the front panel. The disc tray will come out and you can now see the red tape. Remember to remove the piece of tape before operating the compact disc player. Press gently on LOAD on the front edge of the disc tray to make it close again.



2 How to load the compact disc

Press OPEN in the left corner of the front panel and wait for the disc tray to come out. Now lay the compact disc on the tray with the printed side down. Press gently on LOAD on the front edge of the disc tray to make it close again.

The disc tray closes automatically if you press **PLAY** on the compact disc player or **AUX-CD** on the Master Control Panel.

3 Start playing

Press **AUX-CD** on the Master Control Panel, or press **PLAY** in the right corner of the compact disc player.

All the information contained in the compact disc, i.e. the various tracks, will now be registered.

Playing is begun at track no. 1 as soon as all information has been registered.

4 What's the meaning of the displays on the compact disc player?

The displayed figures indicate all the information contained in a compact disc and registered by the compact disc player. The illuminated words are indicators of the function the compact disc player is carrying out.

Green numbers

The green numbers to the left give you the total number of tracks on a compact disc. The track which is being played is indicated by the flashing number. If you program the compact disc player to play specific tracks (see section 7), only the track numbers to be played will light up.

If the compact disc player is operating at tracks above 14, the arrow after the figure 14 will also be illuminated. In that situation the exact number of tracks cannot be read off on this display.

Red numbers

The red 4-digit display indicates:

- individual track times, i.e. how long one particular track has been playing. Thus, **3:15** means that a track has been playing for three minutes and 15 seconds.
- elapsed time, i.e. how much of the total playing time of a compact disc has elapsed. Thus, **08:25** means that a compact disc has been playing for 8 minutes and 25 seconds.
- track and index number, if any. Thus, **4 : 1** means that track 4, index 1, is being played. Like conventional records, compact discs consist of tracks. On some discs, typically those with classical music, the tracks are subdivided into several index numbers.

The red 4-digit display will only display one of these modes at a time. Press **DISPLAY** on the compact disc player to switch between them.

»?»

A »?» on the red display is an indication that your command cannot be executed by the player. For example, it will appear if you have selected a track that is not on the disc (see section 5). The compact disc player simply ignores this command and goes on playing. The »?» will also appear if the compact disc player is not ready to receive your order, e.g. in connection with programming (see section 7).

»PLAY«

Whenever »PLAY« is illuminated, the compact disc player is playing a compact disc (see section 3).

»INT PLAY«

This display is an indication that the scanning function is in progress (see section 8).

»REP PLAY«

This display means that the compact disc being played will be repeated automatically (max. 4 times). The repeat play function can be activated by pressing **AUX-CD** more than once. It may be cancelled by pressing **TRACK** and **CLEAR** (Note: either of the **CLEAR** buttons on the Master Control Panel may be used). You may also cancel the repeat play function by pressing **●** (see section 9).

5 Finding other tracks

Next track

If you want to listen to the next track on the disc, you just press **ADVANCE**. Then the next track on the compact disc will be played. You can jump through the tracks by pressing **ADVANCE** repeatedly until you reach the track you want.

Previous track



If you want to listen to a track previous to the one you are playing, press **RETURN** (white button). At the first pressure play is resumed from the start of the track being played. By pressing **RETURN** rapidly again you can jump backwards through the preceding tracks until you reach the track you want.





Direct track selection

If you want to listen to a specific track on the compact disc, e.g. no. 10, press **TRACK**, **1** **0** and then **AUX-CD**. Track no. 10 now starts playing immediately.



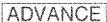


Once you have pressed the number of the track desired, the corresponding figure in the row of green numbers will flash rapidly until you press **AUX-CD**. If you fail to press **AUX-CD** within 12 seconds of pressing the number of the track, playing continues as before, and the number indicating the track being played flashes again.

Forward and backward search

If you want to find a specific spot on the compact disc, you can use  or  to search through the tracks, forward or backwards. You can follow the searching process on the display, which can be set to the display mode serving your purpose best: individual track times, elapsed time or track and index number (see »Red numbers« in section 4).

The search proceeds at two different speeds: slowly to begin with, and after a few seconds the speed accelerates. Press  or  to slow down the scanning speed. When you reach the spot you want, press  to start playing. The searching process may also be stopped by pressing .

6 Pause during play

Playing may be stopped at any time by pressing . To resume playing just press  and you will hear the music from the same place. Press  or  if you want to resume playing from the next track or from the beginning of the track you were listening to when pressing .

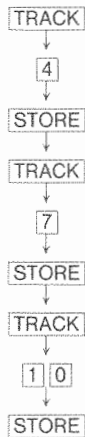
The pause may last up to 30 minutes. If playing has not been resumed within that period of time, the whole Beosystem 5000, including the compact disc player, goes automatically into stand-by position.

7 Programming tracks

You can program your own sequence of tracks if you do not want to hear the compact disc from beginning to end, or if you want to record only some of the tracks on a tape.

Press **AUX-CD** and wait for the red display to appear in full, i.e. both track and index number or both minutes and seconds, according to the display mode you have chosen (see »Red numbers« in section 4). Programming can now be carried out in either of the following two ways:

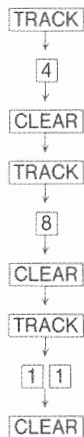
1. You can select specific tracks by pressing **TRACK**, track number (on Master Control Panel keyboard) and then **STORE** (use **STORE** immediately below **TRACK**). E.g.:



Remember to press **STORE** within 12 seconds of pressing the track number, i.e. while the corresponding figure in the row of green numbers flashes rapidly.

The tracks you have selected will now light up on the green display. Note: the tracks may be selected in any order you like.

2. You can also skip tracks by pressing the track numbers you do not want to hear and then **CLEAR** (Note: either of the **CLEAR** buttons on the Master Control Panel may be used). E.g.:



Remember to press **CLEAR** within 12 seconds of pressing the track number, i.e. while the corresponding figure in the row of green numbers flashes rapidly.

The tracks you are going to hear will now light up on the green display. The tracks you have cleared will no longer be illuminated.

When you have programmed your sequence of tracks, press **AUX-CD** to start playing the programme. The tracks will be played in the order you have selected them.

How many tracks can I program?


If you select tracks by touching **STORE** (cf. example 1), the programming capacity is 34 tracks. No compact disc is likely to contain as many as 34 tracks, but it means that the same track, or series of tracks, can be programmed several times, leaving you a total playing time that is much longer than you would normally expect of a compact disc.

Can I jump through a program?

ADVANCE and **RETURN** can also be used while playing programmed tracks. In this case you just go to the next or the previous tracks in your program in the order you have previously selected.

How do I cancel a programming?

Press **TRACK** and then **CLEAR**. All the green numbers indicating the total number of tracks on the compact disc will now light up, and playing will continue in numerical order with no tracks being skipped.

Note: Any programs will be retained if you switch off the compact disc player by pressing  (see section 9).

8 Scanning a compact disc

Place a compact disc in the disc tray and press **AUX-CD**. Wait for the red display to appear in full and then press **TRACK**, **0** and finally **STORE**. The compact disc player will now play the first 10-12 seconds of each track on the compact disc.

If you want to hear some of the tracks in their entirety, you may use the programming function (see section 7) along with this scanning function. Press **TRACK** and **STORE** while you are listening to a track that you want to hear in its entirety. The compact disc player immediately jumps to the next track, which you may also store in the program by pressing **TRACK** and **STORE**.

If you press **TRACK** and **STORE** for the first time while e.g. track 3 is playing, tracks 1 and 2 will be skipped. So will the tracks following track 3, unless you press **TRACK** and **STORE** to order the compact disc player to store and play each of these tracks.

If you do not want to hear a track, you can press **TRACK** and **CLEAR** while that track is playing. When playing your program the compact disc player will skip that track.

If you press **TRACK** and **CLEAR** for the first time while e.g. track 3 is playing, tracks 1 and 2 will be stored. So will the tracks following after track 3, unless you press **TRACK** and **CLEAR** to order the compact disc player to skip each of these tracks, too.

When the entire compact disc has been scanned, the compact disc player automatically starts playing at the first track in your program, or at the first track on the compact disc, if you have not carried out any programming.

9 Switching off

Press **●**. Playing is stopped immediately, and the whole Beosystem 5000 goes into stand-by position.

The compact disc player automatically goes into stand-by position when a compact disc has been played through. If the Beosystem 5000 receives no new orders within approximately 30 minutes, the entire system automatically goes into stand-by position.

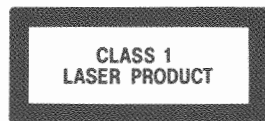
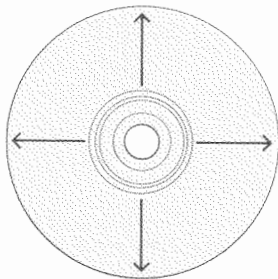
10 Direct operation on the Beogram CD 50

A few of the most important functions may be carried out by direct operation on the front panel of the compact disc player:

- | | |
|------------------|---|
| OPEN: | the compact disc tray opens (see section 2). |
| DISPLAY: | switches between display modes (see section 4). |
| PLAY ▷● : | first pressure: playing starts,
: second pressure: next track will be played,
: prolonged pressure: the Beogram CD 50 goes into stand-by position. The whole Beosystem 5000 also goes into stand-by position. |

11 Cleaning

Use a dry, soft cloth to wipe dust off the compact disc player. A damp soft cloth that has been dipped in a lukewarm solution of water and a mild detergent will do to remove any fingerprints and grease stains. Any dust in the compact disc compartment may be carefully removed by means of a dry cloth. Do not push down on the disc tray.



12 Handling compact discs

Compact discs should be handled and stored with the same care as conventional records.

If the compact disc is always held by the edges and replaced in its original cassette after playing, no further cleaning will be required.

Should the compact disc become soiled by fingerprints, dust or dirt, it can be wiped with a clean and lintfree, soft, dry cloth. Always wipe the compact disc in a straight line from centre to edge. No solvent or abrasive cleaner should ever be used on the disc.

13 Playback with laser optics

The black and yellow label on the compact disc player serves as a warning that the apparatus functions by means of laser beams. Laser beams are harmful to the eyes. However, the laser beams can only be activated if the compact disc compartment is closed, and so you will never be able to see the beams.

The apparatus must be opened by qualified technicians only.

CAUTION: Use of any controls, adjustments or procedures other than those specified herein may result in hazardous radiation exposure.

14 Technical Specifications

Beogram CD 50

Type No.	5111-5112-5113-5115
Frequency range	4-20,000 Hz \pm 0.3 dB
Signal-to-noise-ratio	> 95 dB
Dynamic range	> 95 dB
Harmonic distortion	0.003% at 0 dB
Channel separation	> 94 dB
Channel difference	< 0.5 dB
Converter system	16 bit, oversampling 88,2 kHz
Low pass filter	Digital + analogue
Damping > 20,000 Hz	> 60 dB
Output	2 V RMS at 0 dB
Power supply	Type No. 5111: 220 V Type No. 5112: 240 V Type No. 5113: 120 V Type No. 5115: 240 V
Power frequency	50-60 Hz
Power consumption	28 watts
Dimensions W x H x D	42 x 7.5 x 32.5 cm (16½" x 3" x 12¾")
Weight	8 kg (17.6 lbs)

Subject to change without notice

COMPACT
disc
DIGITAL AUDIO

This compact disc player fulfils the conditions stated in the EEC directive 82/499 concerning radio frequency interference.

15 International guarantee

This Bang & Olufsen product carries a guarantee against defects in workmanship and materials. It is a national guarantee, extended by Bang & Olufsen in the country in which the product was bought. The terms of the guarantee apply principally to the country of purchase but will be met by authorized Bang & Olufsen dealers in other countries.

In order to obtain service under this guarantee from a dealer in a country other than that in which the product was bought, the guarantee form must be completed in full and presented to the dealer.

COMPACT
disc
DIGITAL AUDIO

For the UK market only.

IMPORTANT

The wires in the mains lead supplied with this apparatus are coloured in accordance with the following code:

Blue: Neutral

Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Ensure that your equipment is connected correctly. If you are in any doubt, consult a qualified electrician.

