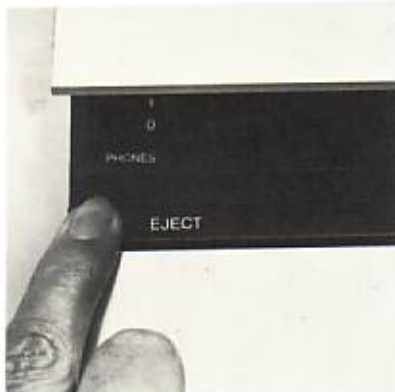


1. EJECT, opening the cassetteholder
2. Headphone level
3. TIMER START, programming the tape start-point
4. REC OPEN, ready-to-record
5. DOLBY NR switch
6. TIMER STOP, programming the tape stop-point
7. TIME SET, presetting the timer
8. Tape selector, automatic or metal tape

9. Recording level, left channel
10. Recording level, right channel
11. PROGRAMMING, opening the holder panel
12. Light indicator REC OPEN
13. Peak Program Meter, drive indicator
14. Light indicator RECORD
15. Light indicator MEMORY
16. Tape position indicator and timer
17. Headphone socket
18. Microphone and auxiliary socket

19. Selector switch: radio/amplifier; mic. or aux.
20. STAND-BY switch
21. RETURN, erasure of already begun recordings
22. Rewind
23. RECORD, recording pushbutton
24. STOP
25. Forward
26. MEMORY+, actuation of the memory function

27. MEMORY-, deactuation of the memory function
28. Fast forward
29. Programming 0 to 9
30. CE, programme cancellation
31. GO, concluding a programme.



TAPE PLAYBACK

Place the connected radio or amplifier in the TAPE mode.

Pressing **[EJECT]** will cause both the large metal cover and the cassette holder to open. Insert the tape cassette into the holder and press down.

Adjustment to tape-type, i.e., ferro or chromium, takes place automatically – as soon as the TAPE switch is placed in AUTO. (The position, MP should be used for metal tape recordings, only). Press **[>]**.

Pause or stop

Press the **[STOP]** pushbutton. Playback will recommence from the same position on the tape when **[>]** is pressed anew.

Automatic stop

The tape will stop automatically at the conclusion of playback; this also holds true for forward- and rewind.

Fast forward

Press **[>>]**.
Stop: press **[STOP]**.

Rewind

Press **[<<]**.
Stop: press **[STOP]**.

Pushbuttons **[>>]**, **[<<]** and **[>]** may be pressed in arbitrary sequence and without the need for pressing **[STOP]** within the sequence.

PLAYING TIME

Most tape recorders incorporate a tape position indicator that displays an arbitrary multi-digit number – a number that has no direct relation to real time.

Beocord 8000 features a tape position indicator that displays tape playback time in minutes and seconds. This allows you to note the virtual playback time of your cassettes.

The position indicator will begin automatically at 0:00 when a tape cassette is inserted – regardless of how large a portion of the tape has been wound. As long as the first digit flashes, – as shown in the photo – forward wind and rewind will shift 0:00 to that tape position corresponding to where/when you have pressed the **[STOP]** pushbutton.

This means that you can – during the interval of the first few (max. 3 minutes) moments – shift 0:00 tape reeling. As soon as you have read-out 4 digits, say, 00:50, the counter will lock and an eventual rewind to below position 00:00 will reverse the counter and cause it to run in reverse – much the same as a thermometer that shows a temperature below the freezing point. A point will appear before the number when this occurs – as shown in the photo.



Actual playback time

To achieve maximum utilization of the tape position indicator, time should be measured from the very beginning of the cassette tape.

When the Beocord 8000 indicates virtual tape time, a precondition is that the recorder must first itself be cognizent of what tape has been inserted – for example, C60 or C90. For this reason the tape will wind forward/reverse several times, automatically. When the correct position is found, two dots (:) will appear midway between the second and third of the four digits.

Two different procedures may be utilized, namely:

Automatic playback from tape beginning

Press **[0]** and **[GO]**.

Automatic playback from the tape position at insertion

Press **[GO]**.

Elapsed time is measured from the beginning of the tape.

The tape will automatically reel to that tape position at insertion, and playback will then commence.



Note

The time measurement is more accurate when you use one of these **[GO]** functions, rather than if you simply press **[>]** at the beginning of the tape.

AUTOMATIC SEARCH

If – as an example – a definite recording is begun 3 minutes and 30 seconds from the beginning of the tape: Press **[3]** **[3]** **[0]** and **[GO]**.

The Beocord 8000 will automatically wind to the position desired and then begin playback. Playback will begin 8 seconds before the selected time to ensure that the full recording is reproduced.

If, however, you should wish to stop the tape after 3 minutes and 30 seconds, hold down the **[GO]** pushbutton for at least 2 seconds, hold down the **[GO]** – until the first digits display the pattern shown in this photo.

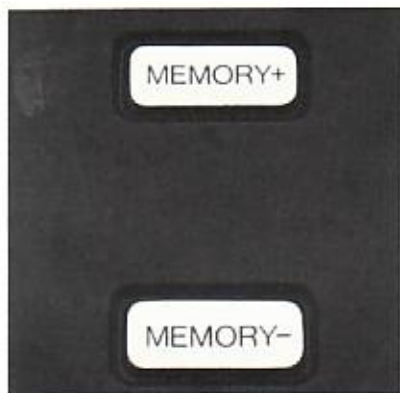


Incorrect operation

If you press the wrong control and instruct the Beocord 8000 to do something impossible, the pattern shown in this photo will appear.

Cancellation

If you have keyed-in the wrong digit(s), press **[CE]**.



MEMORY

MEMORY- allows you to introduce a stop point which will function when you actuate **>>** or **<<**, but not the **>** pushbutton.

If, for instance, you have wound to the beginning of a selection of music – a selection you wish to find again in the future:

Press **MEMORY+**.

A light indicator will flash "MEMORY", when you reel either towards, or away from the memory tape position and when the reeling ceases at the desired position.

"MEMORY" will light without interruption in other recorder functions.

Stop-position may be shifted by simply pressing **MEMORY+** anew.

MEMORY is cancelled by pressing **MEMORY-**.

Dolby[®] noise reduction system

Place the DOLBY NR switch to ON when you playback a Dolby NR recording and when you wish to record with Dolby NR.

Removing a tape cassette

Press **EJECT**, regardless of what particular function the Beocord 8000 happens to be operating in.

RECORDING

Insert a cassette into the cassette

holder and press **REC. OPEN**.

This pushbutton is your assurance that you do not unintentionally record on a tape and come to erase selections recorded earlier.

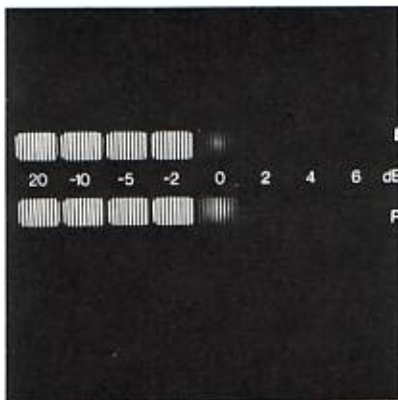
A light indicator will show REC. OPEN and if the tape cassette is itself secured against recording – the tabs at the rear of the cassette have been removed – the position indicator will flicker three times (the pattern shown in the photo) to inform you that recording onto this particular cassette can not take place.

This function will be cancelled if

REC. OPEN is pressed.

Tape type

When this switch is placed in TAPE AUTO; the Beocord 8000 will, itself, adjust for either ferro or chromium tape. If you wish to record on metal tape, place the switch to TAPE MP. The tape recorder is adjusted for tapes that conform to European (DIN) standards. Some tapes may be found, produced following other standards; many of these tapes will produce an accentuation of the treble frequency range during recording. Chromium tape or tapes with chrome properties are, however, more uniform.



Ready to record

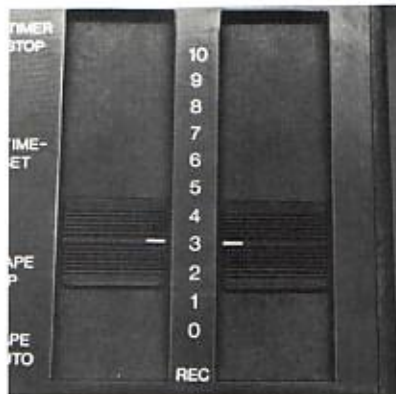
Select a programme on the radio or amplifier, connected. Select DOLBY NR ON, if you wish to record with reduced noise.

Press **RECORD**. The Beocord 8000 is now placed in recording-pause and this is shown by a flashing light in the RECORD indicator. You may now adjust the recording levels simultaneously; observe the PPM – Peak Program Meter indicator; The two RECORD slider levers are brought forward until the loudest sound passages correspond to 0 dB on the indicator.

When pure metal-tape is used, recording level may increase such that the first red field lights, + 2 dB.

When you are ready to record, press **RECORD** again.

The RECORD light indicator will show constant light as an indication that recording is in progress.



Stop or pause

Press **STOP**.

The tape will not halt instantaneously: A pause of approx. 4 seconds is automatically introduced to ensure a brief interval between recordings.

Extended recording pause

The 4-second pause between two recorded selections may be extended by merely holding down **STOP** when you go from recording to pause.

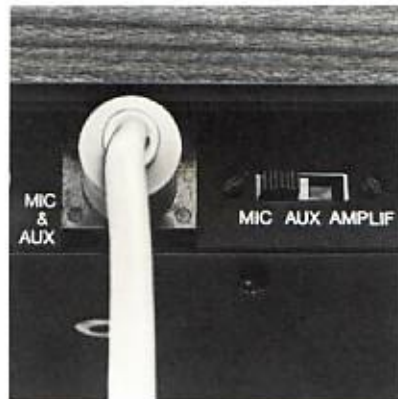
Continued operation

Recording continues or starts again if the **RECORD** pushbutton is pressed.

Automatic RETURN function

If you should change your mind and no longer wish to record the programme you have begun, then press **RETURN**. Recording will stop and the tape will reel back to the starting point corresponding to that before recording began (the previous recording pause).

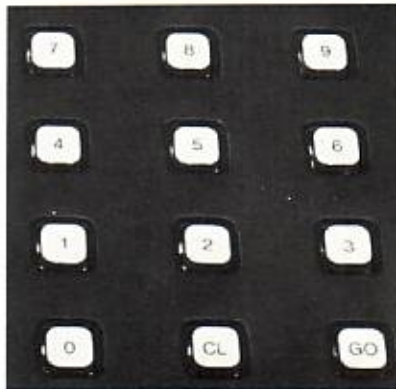
RETURN function – rewind to the preceding recording pause – may also be employed after the **STOP** pushbutton has been used.



HEADPHONES

Stereo headphones may be connected to the PHONES socket on the front panel edge of the tape recorder. Adjust volume level with the separate PHONES slider control, found under the metal panel lid.

Headphones may be used during recording as well as during playback.



TIMER PROGRAMMING

Programming for tape playback

If – for instance – you wish to listen to a tape at 12.30 hours: Reel the tape to the desired programme selection position.

Caution: the REC. OPEN light indicator must **not** show light. If it does, press **REC. OPEN** followed by **TIMER START**, **1 2 3 0 GO**.

The tape position indicator shows the desired time and will then return to display playing time.

Press **STAND BY**.

Programming for recording on tape

If – as an example – you wish to listen to a radio broadcast at 13.00 hours:

The tape winds up in the cassette and the REC. OPEN light indicator will illuminate; press **REC. OPEN** if required.

Tune in the radio receiver to the desired programme and adjust the RECORD slider control to that level you use to record radio programmes.

Now press **TIMER START**, **1 3 0 0 GO**.

The tape position indicator will now show the desired hour and will then return to display playing time. Press **STAND BY**.

Programming for stop

If – for example – you wish the Beocord 8000 to go to stand by at 14.00 hours: Whether the tape recorder is in the process of recording or playback at that particular time, has no bearing. Press **TIMER STOP**, **1 4 0 0 GO**.

Check

You may at any arbitrary point in time check the programme status of the Beocord 8000:

Press **TIMER START**. The first digits should flash.

Press **TIMER STOP**. The last digits should flash.

Cancelling

If you do not wish to make use of an existing programme you may cancel it in the following manner:

Press **TIMER START**, **0**, **GO**, or **TIMER STOP**, **0**, **GO**.

STAND BY

When not in use, the Beocord 8000 may be turned off by pressing **STAND BY**.

Automatic stand by

Beocord 8000 will go to stand by automatically, ½ hour after the conclusion of a tape cassette.

SETTING UP

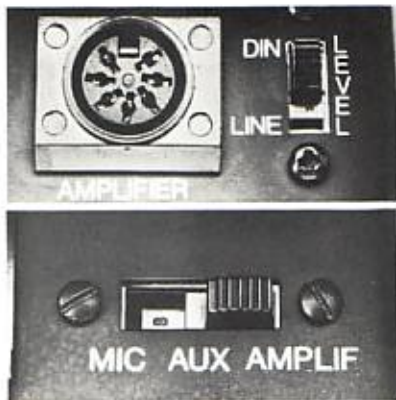
Your Beocord 8000 should be positioned on a horizontal surface – either a table or a shelf.

Depth measurement, including cables and connectors is 30 cm; width measurement is 53 cm.

Avoid placing the Beocord 8000 in direct proximity of a radiator – where temperature is considerably higher than that in other parts of the room.

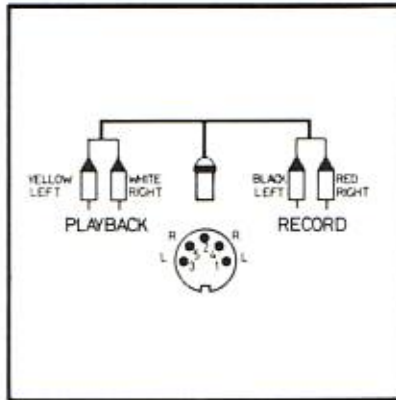


**TIME-
SET**



AMPLIFIER

MIC AUX AMPLIF



Power Mains

Beocord 8000 type 4825 is designed for 240 volts, 50–60 Hz. Changing to other voltages requires replacing the mains transformer; consult your dealer in this case.

PRESETTING

THE ELECTRONIC CLOCK

An electronic clock is incorporated into the design of the Beocord 8000. The purpose of this clock is to start and stop the tape recorder at pre-determined times. Normally, the clock is not visible; if **TIME SET** is pressed the time counter will display actual time. Indication is given in the form of the flashing point located lowest-midway, between the digits. When you connect your Beocord 8000 to the power mains, the clock will start with 00:01. Setting the clock to the actual hour is done as follows: If – for example – your watch shows that the time of day is 13.30: Press **TIME SET** and digits **1 3 3 1**. When your watch shifts to 13.31, press **GO**.

In the event of a power mains failure, reset the electronic clock again.

Check the clock reading, press **TIME SET** and conclude by pressing **GO**.

Connecting to a receiver

The DIN cable, 0961014, should be connected between the AMPLIFIER socket (on the rear panel) and the TAPE socket on the receiver. The DIN-LINE switch at the rear of the tape recorder must be placed in the DIN position. Place the MIC-AUX-AMPL switch – front panel edge – in the AMPL position.

Beomaster 8000

The Beomaster 8000 should be connected to the Beocord with the cable 6270222. Set the DIN-LINE-LEVEL switch in the LINE position.

Phono plugs

Beocord 8000 may also be connected to a radio or amplifier with the aid of phono plugs.

Cable 6270215 is used and the DIN-LINE switch must be placed in the LINE position.

Playback sound level

If switch-over from receiving a radio broadcast, to playback results in a marked shift in sound level – you may regulate your Beocord 8000 up or down with the controls marked OUTPUT LEVEL, L and R – found at the base of the recorder.

MICROPHONE AND AUX

Recording microphone

A mono or stereo microphone may be connected to the MIC socket – at the tape recorder's front panel edge. An unbalanced, 600 ohms impedance microphone is recommended. If the microphone is balance-wired, pins 3 and 5 should be connected to pin 2 – in the DIN plug connector. The switch should be placed in MIC.

AUX input

The same socket may be employed as an auxiliary input - for instance, for copying from another tape recorder. Standard cable type 0961014 is used between the two tape recorders and the switch is placed in AUX. (Sensitivity: 100 mV/1.2 M ohms).

Remote Mains Switch

The programming for tape playback and recording also applies when the Beocord 8000 is used in connection with the Beomaster 8000.

If you wish to use the Beocord 8000 with another radio receiver, you can purchase a Remote Mains Switch, type 4002, which can switch the receiver on and off.

International Guarantee

This Bang & Olufsen product carries a guarantee against defects in workmanship and materials.

It is a national guarantee issued by the Bang & Olufsen Distributors for the country in which the product is purchased initially.

The terms of this guarantee apply principally to the country of origin but will also be met by any authorised Bang & Olufsen dealer in the other countries in which Bang & Olufsen products are officially marketed.

In order to obtain »guarantee« service whilst in a country other than that in which the product was originally purchased, it is essential to ensure that the original Bang & Olufsen guarantee form, which you may claim issued at the purchase of the product, is completed in full and that you copy is presented to the dealer on request for service.



MAINTENANCE AND UPKEEP

Tape head

To ensure pure and clear sound quality, the magnetic heads and capstan axle must be kept free of tape dust.

Use a rinsing fluid designed for this application.

Avoid the use of denatured alcohol; it may contain ingredients hostile to rubber or plastic.

Surfaces

Oily spots that may appear should be removed with a soft, dry cloth.

Teak and rosewood

If wood surfaces seem off-coloured and dry, you might apply a thin layer of teak or rosewood oil – though never more than twice yearly.

For the UK market only.

IMPORTANT

The wires in this mains lead 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. This set requires a **3 Amp.** fuse in the mains plug.

TECHNICAL DATA**BEOCORD 8000****Type No.****4825 (GB)**

Compact cassette

C46-C60-C90-C120

Tape head

Sendust

Noise reduction

Dolby NR

Tape switch

Aut. ferro/chrom, manual metal

Wow and flutter DIN

< ±0.1%

Speed deviation

< ±1%

Fast forward and rewind C60

70 sec.

Frequency range metal/chrom/ferro

30-16,000 Hz ±2.5 dB (with MPX filter)

Signal-to-noise ratio metal Dolby NR

>68 dB

Signal-to-noise ratio chrom Dolby NR

>66 dB

Signal-to-noise ratio ferro Dolby NR

>64 dB

Signal-to-noise ratio metal

>60 dB

Signal-to-noise ratio chrom

>58 dB

Signal-to-noise ratio ferro

>56 dB

Drivability metal

<8 dB

Drivability chrom

<15 dB

Distortion metal

<2.5%

Channel separation

>35 dB

Erasure

>70 dB

Erase frequency

96 kHz

Radio input DIN-LINE

1 mV/10 kohms-40 mV/470 kohm

Microphone input

0.1 mV/2.2 kohms

AUX input

100 mV/1.2 Mohms

Radio output adjustable

800 mV (500-2000 mV)/2 kohms

Headphones

Max. 5 V/56 ohms

Power supply (changeable transf.)

240 volts (GB)

Frequency

50-60 Hz

Power consumption

Max. 50 W

Dimensions W x H x D

53 x 13 x 30 cm

Weight

7.5 kg.

Subject to change without notice