With the new Beosystem 7007 you have a music system designed to give you hi-fi sound of excellent quality – and flexibility, so that you can extend the system. The system consists of the Beocenter 7007 and a Beocenter Terminal.

You can play records, tapes and AM/FM radio just by pressing a single button, either on the Beocenter 7007 or, if you prefer to control the system from your armchair, on the Terminal.

And nothing is left to chance. Every time you touch a button the Beosystem tells you what's going to happen. And it tells you clearly, so that you're never in any doubt as to whether your instructions have been received or not.

This manual tells you how to operate the Beosystem 7007 and how to make the most of the music system's numerous possibilities. You'll be doing yourself a favour by reading it: not only will you discover how easy it is to get high quality hi-fi, you'll also find out how many advantages the Beosystem actually provides.
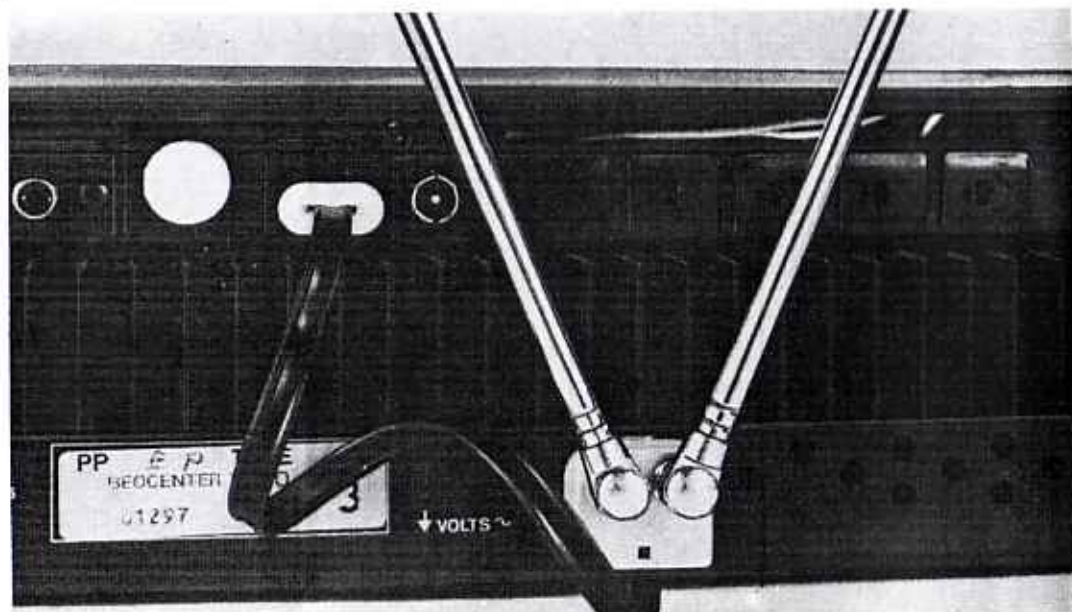
For instance, you'll see just how flexible the Beosystem 7007 really is: how easily you can extend the system, so that you can both listen to it and operate it from other rooms. It's simply a matter of connecting up Bang & Olufsen's Master Control Link system to a pair of speakers in each room and using an extra Beocenter Terminal; or a Master Control Panel, which also has a display to tell you what's going on.

But whether you want music in one room or in a number of rooms, the Beosystem 7007 will satisfy your music requirements for many years to come.

Should any difficulty arise, or if you want additional information, get in touch with an authorized Bang & Olufsen dealer. You won't face problems there either.

Bang & Olufsen

Placement

With the dust cover open, the height requirement is 36 cm. The depth, including leads and plugs, is 38 cm. The width is 72 cm.

Mains

The Beocenter 7007 can be switched between 110, 130, 220 and 240 volts, 50-60 Hz, using the switch on the base.
The power supply must not be cut off on account of the remote control and programmed functions. Use ⬛ to switch off.

This Beocenter fulfils the conditions stated in the EEC Directive 76/889 concerning radio frequency interference.

Speakers

A total of 4 speakers can be connected to the Beocenter 7007. The sockets are located on an easily accessible panel on the back which you can tilt up when inserting the plugs.
SPEAKERS 1 is for a pair of speakers in the same room as the Beocenter, SPEAKERS 2 for a pair in another room. We recommend using speakers designed for not less than 40 watts continuous load, impedance not less than 4 ohms.
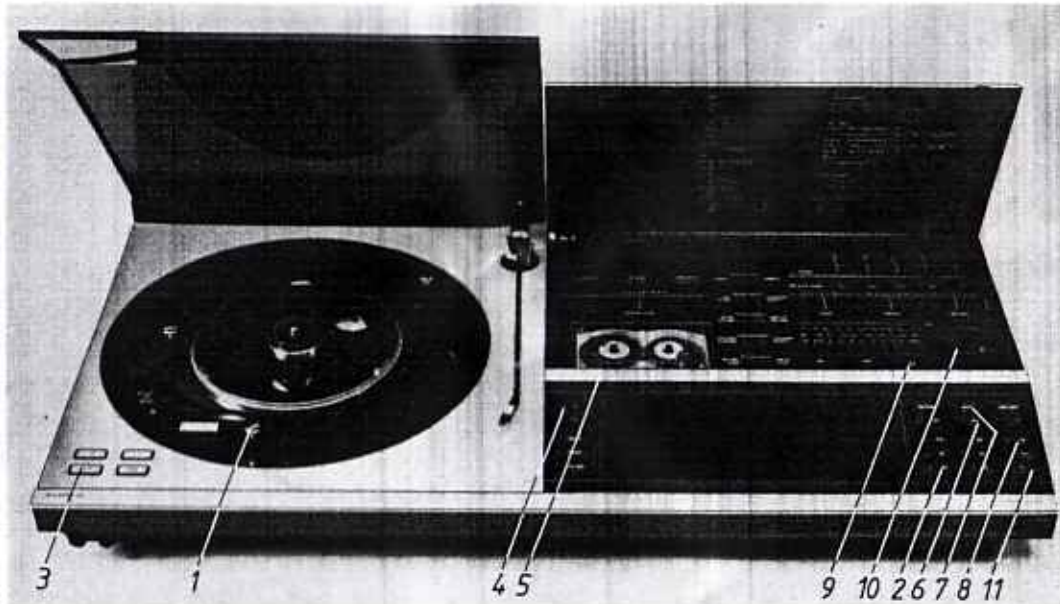
Headphones

You can connect stereo headphones to the PHONES socket on the front of the Beocenter.

FM and AM aerials

Let your dealer advise you as to which aerials are best in your particular case.
For both FM and AM reception, aerials should be placed high and clear of obstructions; you may use a communal aerial.
If you can use an indoor FM aerial with its inherent limitations, you can purchase Bang & Olufsen's FM aerial, type 8902010. It fits into a holder on the back of the receiver and the cable plugs into the 240-300 ohm socket.

Recordplayer

Great care has been taken to protect the Beocenter 7007 against damage during transport.

Assembly after transport ①.

Turn the three transport screws clockwise as far as they will go. Lay the platter on the turntable. If you ever want to remove the platter, lift the record spindle and then insert your fingers under the rim of the platter. Keep the packaging for any subsequent transport.

Playing records

To start, press PH . ②.
Stop, press STOP ③ or another program button.

Volume ④

Increase volume, hold ⋀ down.
Decrease volume, hold ⋁ down.
The volume is indicated by figures 0:0 to 6:0.

Sound pause

Press MUTE.
To restore volume, press MUTE again.

Tapedeck

Tape playback ⑤
Insert the cassette.
Start, press TP1 . ⑥
Stop, press STOP . ⑦
Return to start, press RETURN.
Rewind, press ≪.
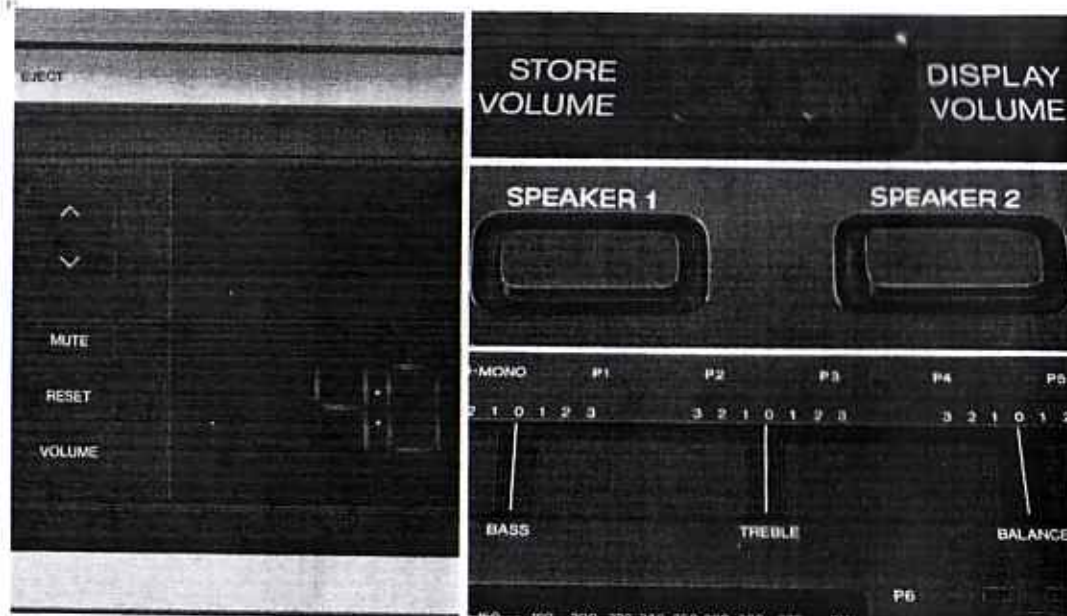Fast forward, press ≫.

Radio

FM broadcast
Press P6 , ⑧ and then PROGRAMMING.
Press the FM button ⑨ and tune the large tuning knob.

Switching off

Press ⬛ . ⑪

A key to radio, record player, tape deck and programming controls is printed on the inside of the cover.

Volume

Preset volume
You can turn the volume up and down with VOLUME ∧ and ∨. Volume is indicated in steps of 0:2, from 0:0 to 6:0.
You can also use RESET to get the same volume every time you switch on. Having set the volume at e.g. 3:00, press STORE VOLUME. The maximum volume which can be preset is 4:0.
When the Beocenter is on ● you can turn the volume down with VOLUME ∨. This is the volume you get next time you switch on.

Return to programmed volume level
Press RESET.

Volume check
Press DISPLAY VOLUME.

Mute
You can shut down the sound with MUTE – if you have to answer the phone, for instance. Volume can be restored in several ways. By again pressing MUTE, by selecting a programme or by making an adjustment.
If you do not rescind the MUTE function, the Beocenter automatically switches to ● after half an hour.

The Tone

Bass
Moving the cursor to the right turns up the bass, moving it to the left turns it down.

Treble
Moving the cursor to the right turns up the treble, to the left turns it down.

Balance
Controls balance between left and right channels.

Loudness
The switch is on the righthand side, on the front. When the switch is down, playback is adjusted to the human ear; the high and low notes are boosted at low volume. With the button up, playback is linear, irrespective of the VOLUME setting.
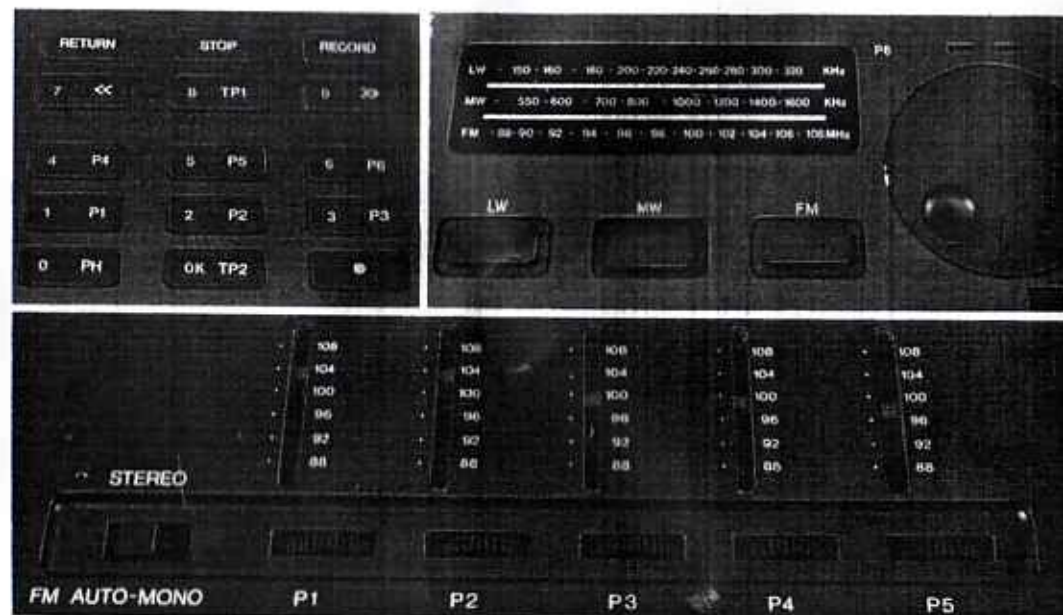
External tone correction
The LINE socket is designed for reduction. If the unit in question has phono plugs, use cable 6270215.
If no external unit is connected, make sure the 4-pin plug is plugged into the socket, otherwise the Beocenter 7007 remains silent.

Speakers
Select speaker pairs with switches SPEAKERS 1 and SPEAKERS 2. Speakers are cut in by pressing the corresponding button and cut out by pressing again.

Radio
Programmes are selected with buttons P1 to P6.
P1 to P5 are for FM stations which you pretune with 5 separate dials.
Press P1, set the FM switch to MONO AFC OFF and use the P1 dial to tune to the station you want, tuning until the two indicator lights are equally bright. Tune P2 to P5 to other stations in the same way.
Lastly, set the FM switch to AUTO.

Long and medium waveband
You can tune P6 to any FM, LW or MW station on the large calibrated scale. Press P6 followed by LW, MW or FM. Tune in the station you want with the large tuning knob.

FM level adjustment
In switching between FM, tapes and records, it is an advantage if the average volume level stays the same, so that you don't have to adjust VOLUME every time you switch.
The FM level can be adjusted with two switches on the base of the Beocenter, L for the left channel, R for the right.
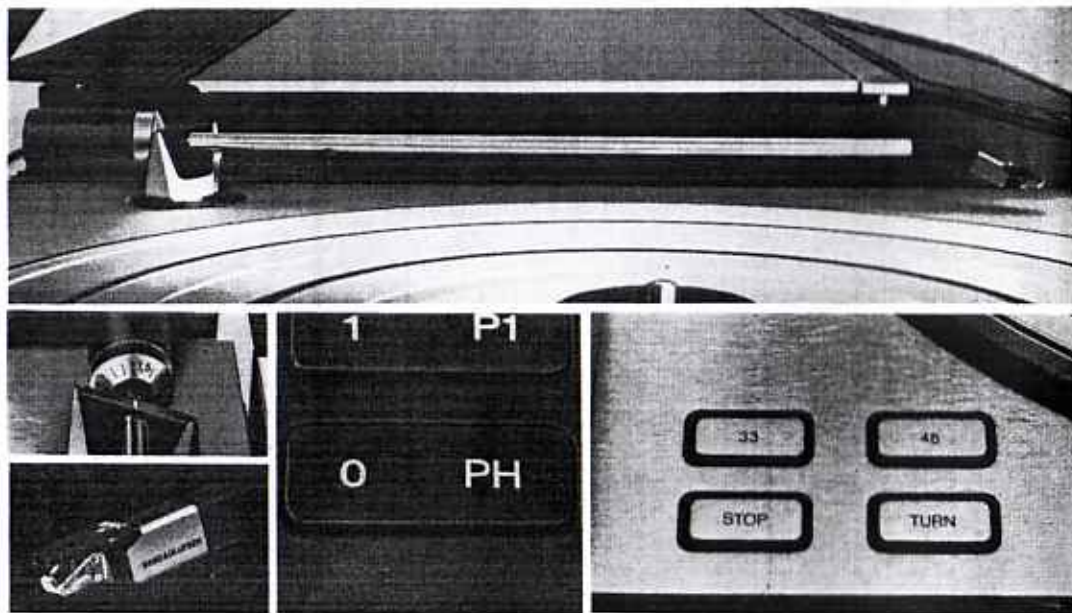
FM automatic
With the FM AUTO-MONO switch you can choose between two functions: FM AUTO, automatic. This is the normal position for listening to FM radio. It provides automatic fine-tuning to the FM station and smooth transition between FM stereo and mono. FM MONO. For picking up weak FM stations. Mono reproduction, without automatic fine-tuning.

FM stereo indicator
Lights up for FM stereo broadcasts.

Stylus pressure
The recommended stylus pressure for the MMC 5 is 1,5 grammes (15mN). Stylus pressure can be adjusted between 0 and 2 grammes by turning the counterweight.

Checking the counterweight
To check the counterweight adjustment, do as follows: Turn the counterweight until the tonearm is in balance. If the revolving scale does not show 0, hold the black part of the counterweight with one hand and turn the scale with the other hand until 0 faces upward. Finally, turn the counterweight to the recommended stylus pressure using the black part.

Playing records
The pick-up has a fixed stylus guard which you can tilt up and down with your fingernail. Make sure it is locked in the up position before playing a record.

Wiping records
Pressing TURN makes the turntable rotate without moving the pickup, allowing you to wipe the record with a soft cloth. There is no need to use an anti-static mat (e.g. carbon plate) under the record, as the platter itself ensures maximum static discharge by means of excellent metallic contact with every type of record.

Start
Start the record player by pressing PH.
The Beocenter 7007 registers whether a 30 cm or a 17 cm record has been put on and automatically selects the correct

speed, 33 or 45 r.p.m. If there is no record on the turntable, the display flashes ⎣⎜⎣⎜⎣⎜⎣⎜.

Pause
Press PH again.
To continue playing from the same place, press PH again. You can also move the pickup to another place on the record before pressing PH again.

Stop
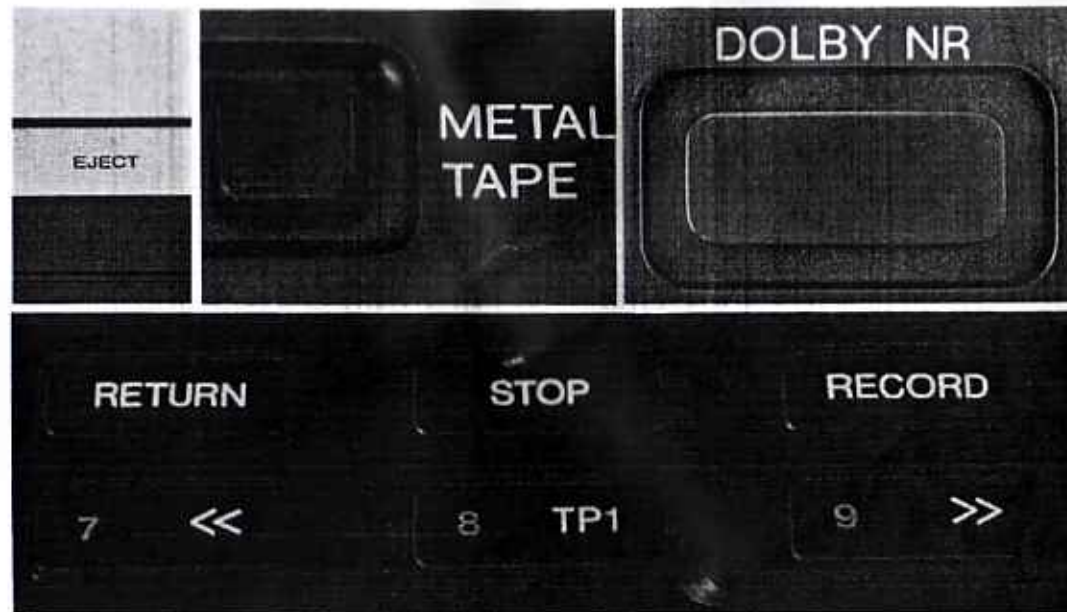To stop before the end of the record:
Press STOP on the record player, switch to another programme, e.g. P1, or switch off with ●.

Special records
17 cm 33 r.p.m.: press PH, then press 33 on the record player. 30 cm 45 r.p.m.: press PH, then press 45 on the record player. 25 cm 33 r.p.m.: move the pickup to the lead-in groove, then press PH.

Tape playback
Open the cassette holder by pressing EJECT.
Insert the cassette and start playback by pressing TP1.

Pause or stop
Press STOP.
Resume playback, press TP1.

Return
To repeat playback, press RETURN.
The tape stops and automatically rewinds to the place where you started playback. The tape is then played back again.

Winding the tape
Rewind, press ≪.
Fast forward, press ≫.
Buttons ≪, ≫ and TP1 can be pressed in any order without using STOP in between.

Automatic stop
When a tape has been played, wound or rewound to the end it stops automatically. The Beocenter 7007 remains switched to TP1.

Tape type
When a cassette is inserted the Beocenter 7007 automatically adjusts to ferro or chrome tape by checking the holes on the rear edge of the cassette.
You only need to use the METAL TAPE button in recording. Ferrochrome tape is treated as ferro.

Dolby B[*] noise reduction
Dolby noise reduction is a system which suppresses tape hiss. It is based on the fact that tape hiss has a sound characteristic which makes it most noticeable when playing back quiet treble notes and in

pauses. The system operates by boosting the quiet treble notes in recording and damping them correspondingly in playback, thereby reducing tape hiss and ensuring cleaner sound reproduction.
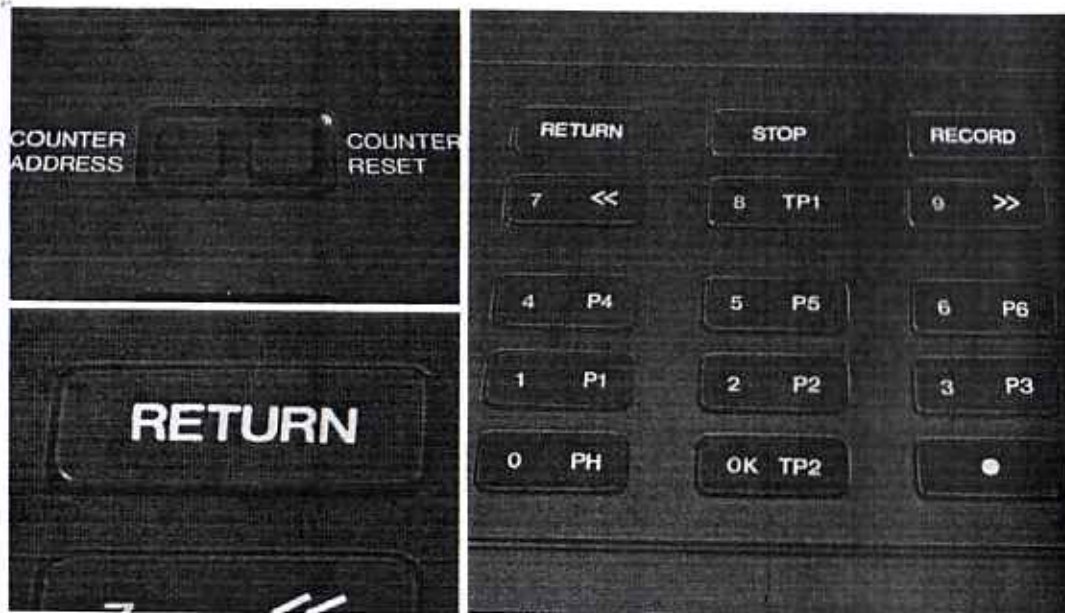When playing back a tape recorded with Dolby B noise reduction, press DOLBY NR.

Tape counter
The electronic tape counter is on the lefthand side of the large display panel. No matter where the tape is wound to when you insert a cassette, the counter automatically starts at 0000. If you wind back past 0000, the counter counts down from 9999.

[*] Trademark of Dolby Laboratories Licensing Corporation.
Noise reduction system manufactured under License from Dolby Laboratories Licensing Corporation.

Resetting the counter

If for recording purposes you wish to make a note of a counter reading on a cassette, set the counter to read 0000 at the beginning of the tape. Press ⎣≪⎦. When the tape has finished rewinding, press COUNTER RESET.

Time table

Counter readings are purely informative, indended for use in making notes, e.g. on the cassette, so that you can find various places on the tape. Readings depend on tape thickness and cassette type, C 60 or C 90. Therefore the time table should only be regarded as a general guide.

C 60 cassette		C 90 cassette	
Min.	Counter	Min.	Counter
0	0000	0	0000
5	0545	5	0562
10	0995	10	1045
15	1380	15	1470
20	1725	20	1860
25	2045	25	2215
30	2340	30	2550
		35	2860
		40	3160
		45	3440

Memory

You get a memory function by combining COUNTER RESET and RESET.
When in playback the tape reaches the place you want memorized, press COUNTER RESET. You are then free to use STOP, ⎣≪⎦ and ⎣≫⎦. To return to the place which has been memorized, press RETURN.
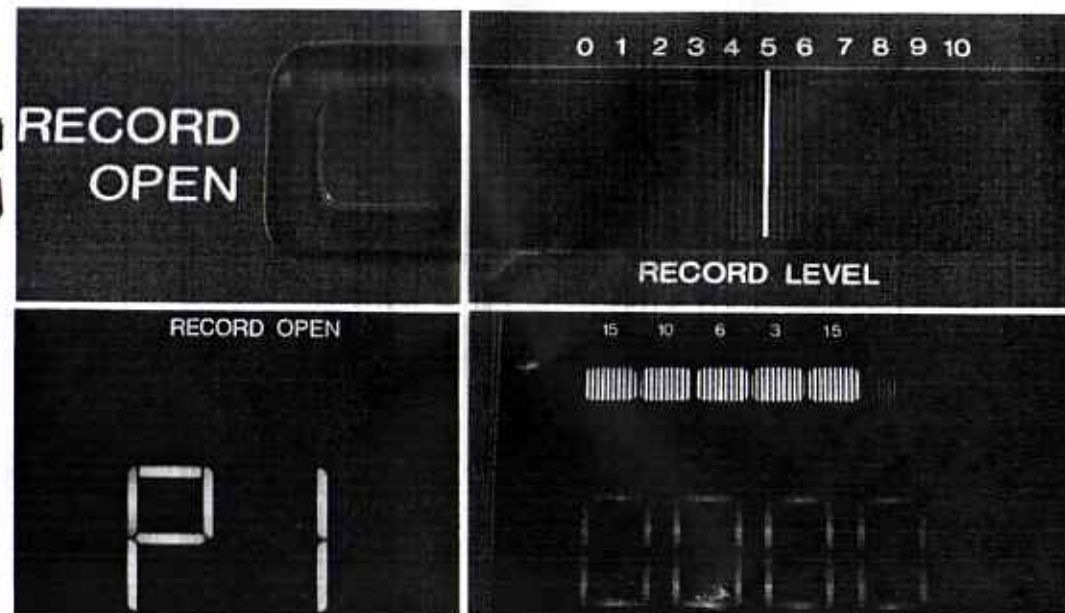
Automatic counter address

Say you want to start playback from reading 573, which you have noted on a cassette. Insert the cassette and press ⎣≪⎦. When the tape has finished rewinding, press COUNTER RESET.
COUNTER ADDRESS and the red digits ⎣5⎦ ⎣7⎦ ⎣3⎦ and ⎣OK⎦. Once the tape stops winding, start playback by pressing ⎣TP1⎦.

Keying error

If you have keyed in the wrong number, do not press ⎣OK⎦. Key in the correct number, then press ⎣OK⎦.

Tape recording

You cannot record straight away on a tape inserted in the Beocenter's cassette holder; the RECORD OPEN indicator has to light up first. This is to prevent accidental erasure of previous recordings.
The indicator lights when you press RECORD OPEN. The function is cancelled by pressing again.
If the cassette is secured against recording, the flap on the rear edge removed or REC OPEN has not been pressed down, RECORD OPEN will not light up and the display will flash ⊔⎜⊔⎜⊔ to indicate that you cannot record on this tape.

Tape type

The Beocenter 7007 automatically adjusts for ferro or chrome when you insert a cassette. For metal tape, press METAL TAPE. The indicator lights up. To cancel, press METAL TAPE again.
The Beocenter 7007 is adjusted to the following types of tape:
Ferro, IEC standard, e.g. BASF LH I.
Chrome, TDK-SA.
Metal, TDK-MA.

If you use tapes which follow other norms, treble reproduction can be slightly louder or softer.

Dolby B

If you want to record with Dolby noise reduction, press DOLBY NR.
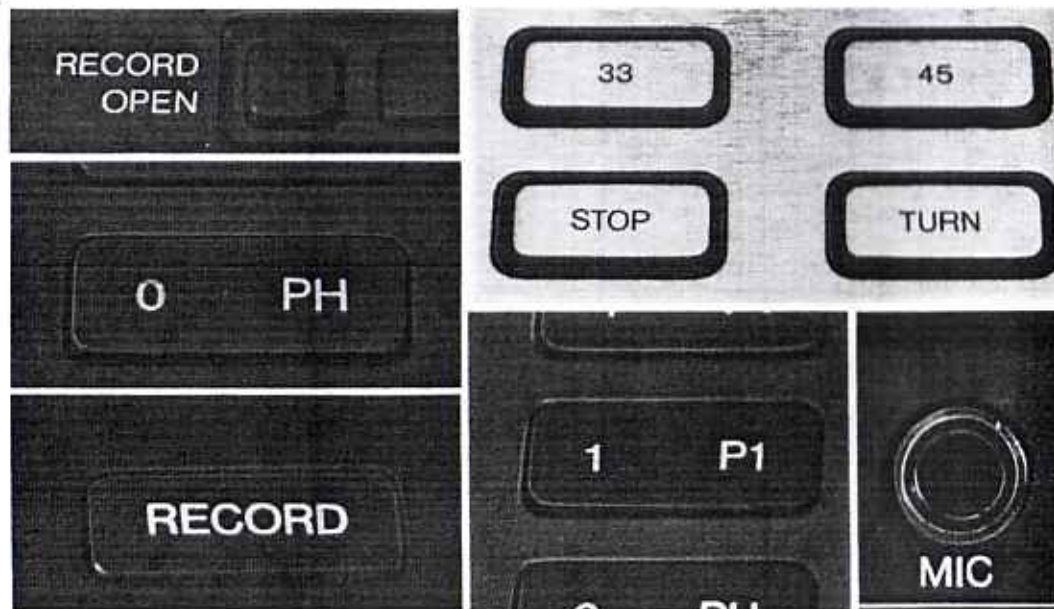
Recording level

Select programme, e.g. ⎣P1⎦, and press RECORD.
READY FOR RECORDING lights up, indicating that the Beocenter is on recording-pause.
Adjust the RECORD LEVEL cursor so that the Peak Program Meter's green squares flash. You can let the red squares flash during the loudest passages, depending on which type of tape you use. The better the tape, the more powerfully it can be recorded without causing distortion.

Start recording

Press RECORD again.
RECORDING lights up.
The Beocenter 7007 safeguards recordings against accidental interruptions. For instance, if you try to switch to another programme, the display flashes ⊔⎜⊔⎜⊔ to indicate that it cannot do it.

Recording from a record

Press
RECORD OPEN PH RECORD RECORD.
To adjust the recording level to the record before recording, press PH RECORD. The record starts and READY FOR RECORDING lights up. Adjust the RECORD LEVEL cursor. Now press the record player's STOP button and when the tonearm is back in its rest position, press PH RECORD.

Stop or pause

Press STOP. A 4-second pause is introduced at the end of the recording for the sake of the RETURN function.

Instant stop

Stop without 4-second pause, press STOP twice.

Extended pause

The 4-second pause between recordings can be extended by keeping STOP pressed down for as long as you want the pause to last.

To resume recording

Press RECORD again.
If you pressed STOP twice, you have to press RECORD twice.

Return function

If you want to record something else instead of the recording you've started, press RETURN. Recording stops and the tape rewinds to the beginning of the recording.
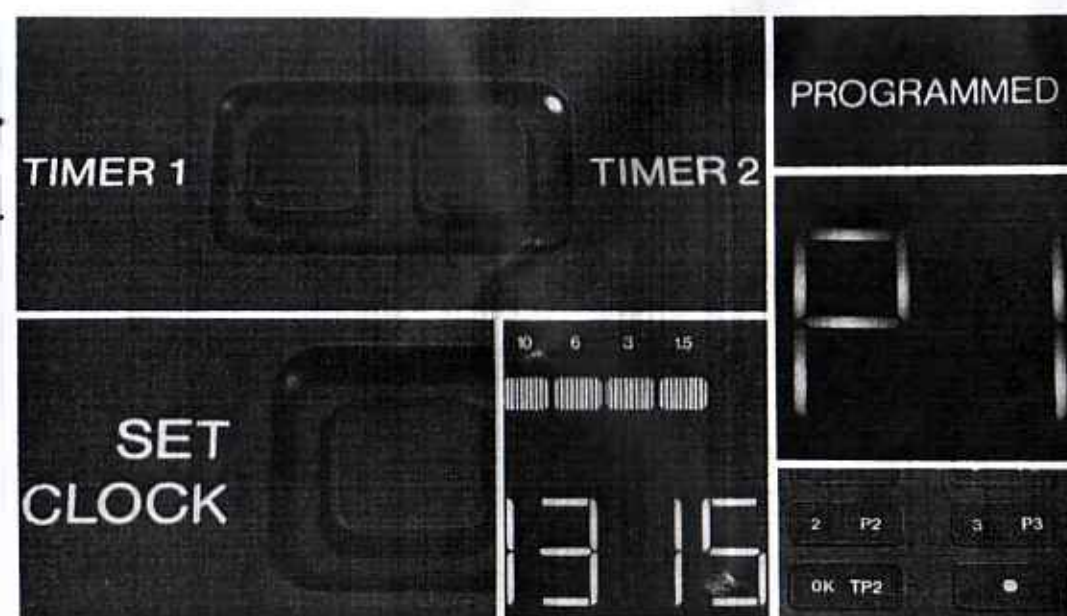
Counter/clock

The four digits on the lefthand side of the display panel constitute the tape counter in tape playback and recording.

When the tape deck is not in operation, the four figures, with : in the middle, function as a clock. Manual switching is with COUNTER/CLOCK.

Microphone

On the front of the Beocenter 7007 is a socket for a monomicrophone.
It can be used in two ways:
* With the Beocenter 7007 as microphone amplifier.
* For recording on tape. Press P1.
When recording on tape, adjust the volume to avoid acoustic feedback, i.e. speaker howl. Remove the microphone jack when not using the microphone.

Programming

With TIMER1 and TIMER2 you can programme the Beocenter 7007 to perform one/two of the following functions within the next 24 hours:
* Switch on a radio programme.
* Switch on the programme at the same time every day.
* Switch to another programme than the one you're listening to.
* Start playback of a tape.
* Start playback of a record.
* Start recording on tape.
* Switch off after recording on tape.
* Switch off the Beocenter 7007.

Setting the clock

When you switch on the Beocenter 7007 the clock will read 00:00.
Set the clock to the right time as follows: e.g. your watch is at 13:14. Press SET CLOCK and red digits 1 3 1 5.
When it is 13:15 on your watch, press OK. If you have pressed the wrong numbers, do not press OK. Key in the right numbers, then press OK.
If the clock flashes ⎵⎵⎵⎵, it is because you have keyed in a figure greater than 2400.
After a power-cut the clock will read 00:00 and need re-setting.

Programming.
Example 1

You want programme 1 switched on at 7:15: Press P1 TIMER1 and red digits 7 1 5 and OK.
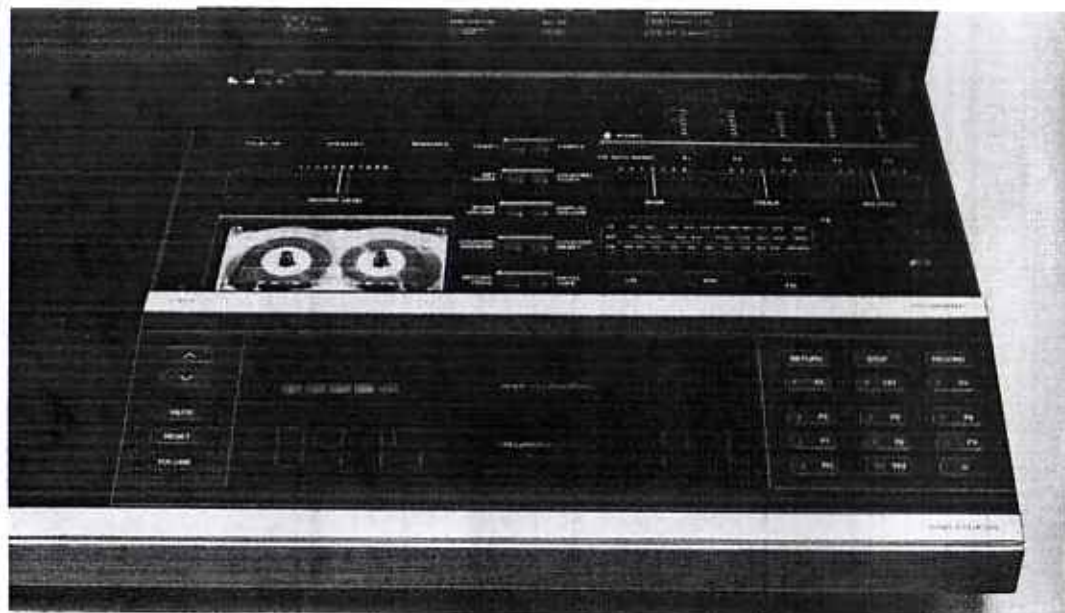Until 7:15 you can listen to other programmes or switch off with ●.

Example 2

You want to listen to programme 1 at 7:15 every day: press P1 TIMER1 7 1 5 and keep OK pressed down for about 2 seconds, until the display switches back on.

Example 3

To have programme 1 switched on at 7:15 and off again at 7:45, use TIMER 1 and TIMER 2.
Press P1 TIMER1 7 1 5 OK and ● TIMER2 7 4 5 OK.

Example 4
You want to record programme 1 (or any other radio programme), starting at 9:15, when you'll be out.
Press P1, insert a cassette, switch on RECORD OPEN and set RECORD LEVEL to the level you normally use for recording radio programmes. Press RECORD TIMER1 9 1 5 OK.
The Beocenter 7007 switches off automatically after the tape has run out.
To stop the recording at 9:30 instead, use TIMER 2. Press ● TIMER2 9 3 0 OK.

Keying error
If you key in the wrong time, do not press OK. Key in the right time, then press OK.

Cancelling
Press TIMER1 0 OK or TIMER2 0 OK.

"Programmed" indicator
When the Beocenter 7007 has been programmed and is switched on, PROGRAMMED lights on the display panel. The indication disappears when the programmed operation has been carried out, but not if the Beocenter is programmed to repeat the operation every day.
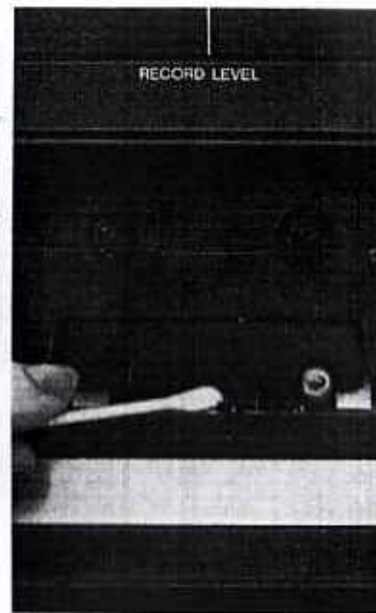
Programming check
With the Beocenter 7007 on ● you can check the times and programmes it is programmed to.
Press TIMER1; the first two digits flash.
Press TIMER2; the last two digits flash.
PROGRAMMED flashes or, if it is a program to be repeated daily, lights continuously.
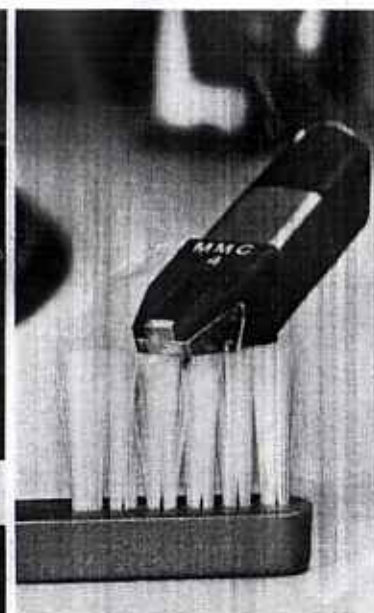Finish off the programming check by pressing OK.

Cleaning the stylus
Sound distortion may be due to dust on the stylus. Use the brush supplied, brushing forwards from the bottom of the metal housing. Brush carefully and make sure the stylus guard is up.
Beware of chemical cleaning fluids, which can contain solvents which can damage parts of the cartridge.

Replacing the cartridge
Hold the tonearm firmly with one hand, while carefully moving the cartridge from side to side and pulling outwards with the other.
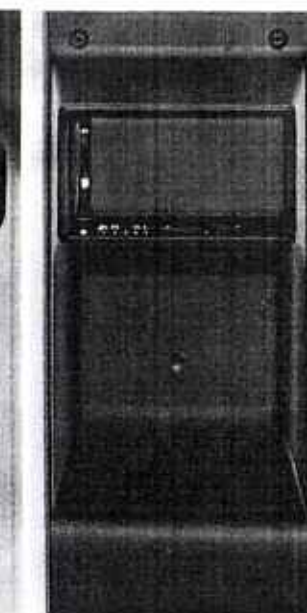
Tape heads
To ensure a pure sound quality, the two tape heads and the capstan must be kept free from tape dust. Use one of the cleaning fluids available for this purpose.
Avoid using methylated spirits, which may contain substances that attack rubber and plastic.

Beocenter Terminal: battery replacement
The portable Terminal is an infra-red sender which transmits signals to a receiver on the front of the Beocenter.
The terminal is delivered with a 9 volt Alkaline battery, type IEC 6LF22. For replacement you need the same type, e.g. B&O order no. 8700000. Remove the cover on the bottom and insert the battery in the connectors.

Dust cover
We recommend Ajax Window Cleaner or its equivalent for cleaning the transparent dust cover. Do not use spirits.

Metal surfaces
The chassis and turntable can usually be kept clean with a dry cloth.
Be careful not to touch the stylus. Grease stains can be removed with a lukewarm detergent solution on a soft cloth. Wipe dry with a clean cloth.

Teak and rosewood
If wood surfaces seem grey and dry, you can apply a thin layer of teak or rosewood oil not more than twice a year.

Brief operating guide

The buttons for operating the Beocenter 7707 are split into groups. The buttons which you use in daily operation are placed on each side of the display panel.

Volume
Increase volume, hold △ down.
Decrease volume, hold ▽ down.
The volume is indicated by figures 0:0 to 6:0.

Return to programmed volume level
Press RESET.

Sound pause
Press MUTE.
To restore volume, press MUTE again.

Radio
Press one of the buttons P1 to P6.

Playing records
To start, press PH.

Tape playback
To start, press TP1.
To stop, press STOP.
Return to start, press RETURN.
Rewind, press ≪.
Fast forward wind, press ≫.

Tape recording
RECORD OPEN must be lit, press RECORD OPEN.
Press RECORD. READY FOR RECORDING lights.
To start recording, press RECORD again.
RECORDING lights.
To stop, press STOP.
If you decide you don't want the programme recorded after all, return to the beginning by pressing RETURN.

Switching off
Press ●.

Cassettes are inserted under the large metal cover, which is also where you find the additional operating controls.
Press PROGRAMMING.
A key to radio, record player, tape deck and programming controls is printed on the inside of the cover.

Beocenter Terminal

Radio
Press one of the buttons P1 to P6.

Playing records
Press PH.

Tape playback
Start, press TP1.
Stop, press STOP.
Return to start, press RETURN.
Rewind, press ≪.
Fast forward, press ≫.

Playback from external tape recorder
Press TP2.

Increase volume
Keep ∧ pressed down.

Decrease volume
Keep ∨ pressed down.

Return to preset volume
Press RESET.

Sound pause
Press MUTE.
Restore volume, press MUTE again.

Switching off
Press ●.

Tape recording
Press RECORD.
To start, press RECORD again.
If you decide not to record after all, return to the start of the recording by pressing RETURN.

Stop or pause
Press STOP. A 4-second pause is introduced at the end of the recording for the sake of the RETURN function.

Instant stop
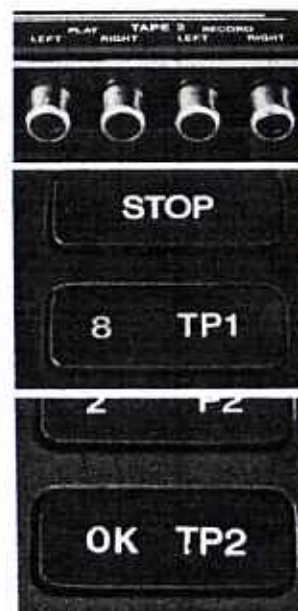Stop without 4-second pause, press STOP twice.

Extended pause
The 4-second pause between recordings can be extended by keeping STOP pressed down for as long as you want the pause to last.

Battery check
A green light flashes when you press any of the buttons. If not, it means the batteries need replacing.
If you don't possess a Beocenter Terminal, your dealer can supply one for additional costs.

Extra tape recorder
The TAPE 2 sockets are for an extra tape recorder with phono plugs. Connect PLAY and REC with the corresponding tape recorder plugs.
For a tape recorder with DIN socket and DIN signal level, use cable 6270212 which has a built-in attenuator.
For a tape recorder with a fixed DIN signal cable and LINE level, use an adaptor type 7229017.

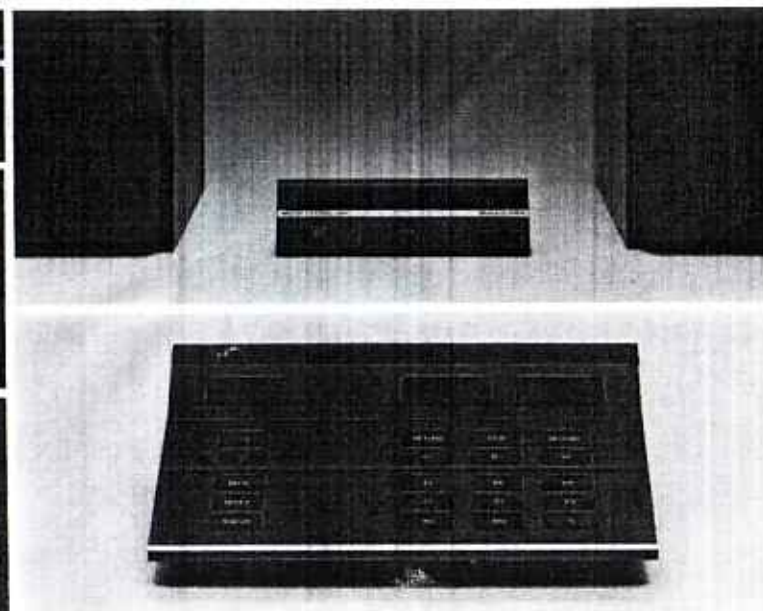**External tape recorder, recording and playback**

Copying
With an extra tape recorder connected to TAPE 2 you can copy from one tape to another or record on two tapes simultaneously.

Copying from the built-in tape deck
Press TP1 and set the external tape recorder to record.

Copying from the external tape recorder
Press TP2 and set the external tape recorder to playback.
Operate the Beocord's built-in tape deck as described in Tape recording.

Simultaneous recording
Select programme, e.g. P1 and set both tape recorders to record.

Operating from another room
The Beosystem 7007 can be extended, so that you can listen to and operate the Beocenter from other rooms.
This is done by setting up a small Master Control Link and an extra pair of speakers in whichever rooms you want covered by the system. With the Beocenter Terminal or a Master Control Panel you can operate the Beocenter in your living room by pressing a button – even though you're in the bedroom, for example.

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.