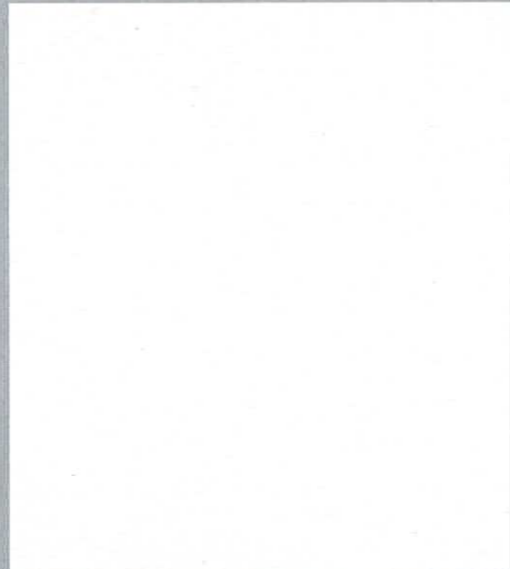


Bang&Olufsen

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Beocenter 7000

To domesticate advanced technology, harness it, and make it easy to live with, has always been one of Bang & Olufsen's major aims. We believe that man should be master of the machine, not the other way around.

But what characterizes a hi-fi product that is easy to live with? External design is important, of course, as the unit must blend harmoniously with the home decor. But above all it must be easy to use and understand -



not just for scientists and engineers, but for everyone who enjoys music. Many hi-fi products make ordinary people nervous. They are afraid that if they touch the wrong button, something frightful will happen. And the

more buttons there are, the worse this discomfort becomes. That's no way to enjoy music, is it?

That is why we have made the Beocenter 7000. It is a complete music system that has every facility modern technology affords - except a "wrong button". It is impossible to operate the Beocenter 7000 incorrectly, and very easy indeed to use all its facilities to full advantage - even to the extent of programming its microcomputer to record an important broadcast onto tape while you are away from home!

Whenever a function is operated, either on the set itself or by means of the remote control module, your instructions are confirmed on the display panel. If your instruction is incorrect or illogical, the microcomputer inside the set will reject it and signal your mistake on the panel. So whichever button you touch, it can't be the "wrong" one.

The advanced AM/FM radio tuner, the electronic cassette deck, the automated record player and the powerful 2x40 watts stereo amplifier strike a skillfull balance between technology and domesticity. It is difficult to imagine music being made more convenient, or more accessible. Exceptional performance, great reliability, total user comfort and classic external design, make the Beocenter 7000 the most distinguished high fidelity music system in the market today.





In everyday use, most people will regard the handy remote control module as the Beocenter's primary operating device.

However, the set's central input unit has more comprehensive operation facilities. Here, touch-sensitive buttons are placed centrally in one area to allow operation with one hand. A light touch on the appropriate button is all that is needed.

All functions are controlled electronically via the set's micro-computer. Apart from the functions indicated on the touch-sensitive buttons themselves, each button has a secondary function which is used in connection with the set's programming and timing facilities. All primary functions, including "stand-by", can be programmed for automatic recall at any time during a 24-hour period. For example, you can instruct the set to start playing "P3" at 7.15 AM. This will ensure that you do not miss the beginning of a desired broadcast. Cassette recordings of radio programmes can also be made during your absence. Whenever you operate the Beocenter, illuminated symbols

appear on the set's communication panel to confirm your instructions or reject mistakes. When you listen to the radio or a record, the time is displayed in hours and minutes, unless you press "clock" to remove the display. When you use the cassette deck, a 4-digit tape counter is displayed instead. In the recording mode, the recording level meter is also displayed.

There are facilities for pre-setting five stations on FM, plus one on the Long or Medium wavebands. Care has been taken to provide an extremely sensitive FM tuner and a highly selective AM tuner. The amplifier section benefits from Bang & Olufsen's experience and research work in eliminating Transient Intermodulation Distortion (also called transistor sound). Each component has been carefully balanced and matched during the design phase to ensure consistently high overall performance levels. The receiver is therefore on a par with the other integrated sound sources of the Beocenter 7000.



The central input unit comprises touch-sensitive buttons grouped together on a single panel to allow operation by one hand.

In combined music systems, the cassette deck is where manufacturers usually make compromises in quality in order to reduce costs. This is not the case here.

On the contrary, the newly designed cassette deck in the Beocenter 7000 uses some very advanced technology, with carefully designed circuits capable of the highest performance levels and several features which more expensive separate units will be hard-pressed to match. At last, you can say to a product: "Here is a cassette. Play it." And it will, without further ado! Put the cassette in the tray, and press "tape". The Beocenter 7000 does the rest. Bias selection is automated, which means that you can use either ferric or chrome tapes without bothering about switches and settings.

One button: "record", controls the recording function. A safety feature, the button marked "REC. OPEN", gives you a last opportunity to decide whether the tape you are about to overrecord contains nothing you really intended to keep. During recording all other programme sources are blocked so that you can't damage a recording accidentally. Pressing "<<" (rewind) while in the record mode automatically relocates the position at which this present recording began. This allows you to check the passage. Or make a new recording. The tape counter also enables you to locate a given "address" or position on the tape.

The direct eject function allows you to retrieve the cassette instantly from any mode of play without damaging the tape or the machine. The eject mechanism is air-damped to ensure quiet, controlled cassette delivery.

Like the rest of the Beocenter, the cassette deck is designed to give many years of service. For instance, with minor adjustments, it will cope with the new metal tapes which are currently being developed. That is why it is fitted with a long life Sendust record/replay tape head and a double-gap erase tape head, which will handle the special problems presented by metal tapes.

A special circuit automatically demagnetises the tape head every time the record function is released. This ensures good signal/noise ratio and less distortion.



Bang & Olufsen's record players have been widely acclaimed for their consistently high performance levels.

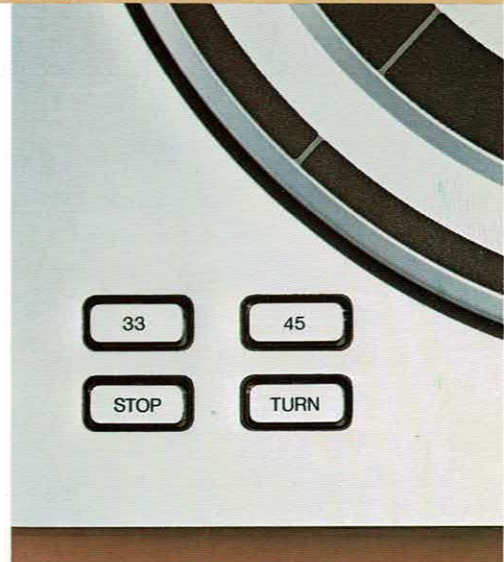
Our unique approach to turntable design (integration - in which all the gramophone components are carefully matched from the product's earliest design stage) is responsible for this achievement.

In the Beocenter's record player, a low mass pickup arm, die-cast in magnesium (which is lighter and more rigid than the conventionally used aluminium) is a perfect match for the MMC 20E pickup cartridge. By exerting very little force on the record, this combination keeps record wear to a minimum. Additionally, thanks to the cartridge's low effective tip mass (0.5 mg) and the high polish of the elliptical diamond, your records won't sustain any audible damage even if the pickup is accidentally pushed across the record during play.

A special polymer coating on the turntable platter helps reduce static electricity and minimises the risk of attracting dust and dirt into the record grooves. A patented pendulum spring suspension system effectively

prevents external shock and vibrations from affecting music reproduction.

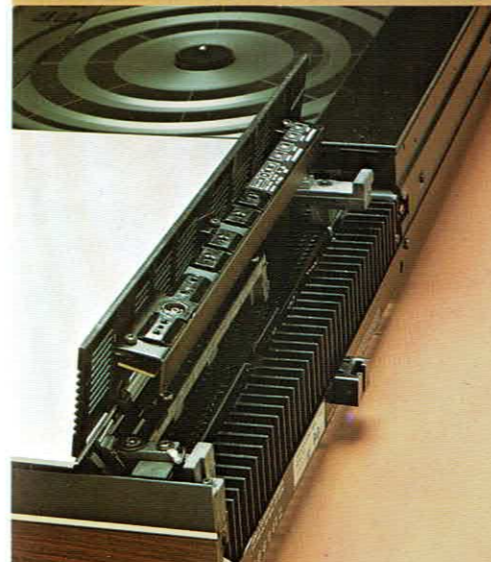
Bang & Olufsen's Electronic Servo Drive system keeps rotatory speed constant at all times and eliminates the need for speed adjustment, irrespective of variations in the mains current supply.



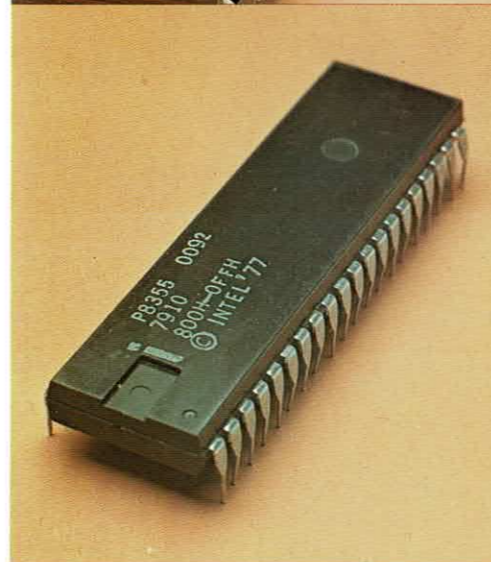
The buttons on the record player itself permit manual operation. For example, "turn" starts the turntable without activating the arm, so that you can clean the record. Otherwise, to play a record, you simply press "phono" on the remote control module or on the set's central input unit, and listen to the music.



Sockets for a headset, a microphone and input from another tape recorder, are placed on the front of the set.



Sockets for AM/FM aerials and 2 sets of stereo speakers are placed in a hinged compartment at the rear of the set. The compartment can be swung open to allow easy access to the sockets, without having to move the set itself.



A micro-computer governs all the functions of the Beocenter 7000. It is this device that helps secure supreme ease of operation and user convenience throughout the whole music system.

Micro-electronic technology, innovative engineering and highly creative production methods characterize the Beocenter 7000.

The high standards and close tolerances to which the sets were designed and manufactured ensure good reliability over a long useful lifetime. The set's construction is robust and will stand up to rugged use. Because of its modular chassis, it is also quick and easy for your dealer to repair, should the need arise. The unit's component sections are

carefully matched to ensure high overall performance levels. Limitations in sound reproduction quality are therefore set by the programme sources (tapes, records, radio transmissions), rather than by the electronic circuits and components themselves. The stereo amplifier's rated output (2x40 watts RMS

Technical data:

Specifications are subject to change without notice. Details of any alterations are available upon application.

Type No.	1801
Power output RMS DIN	2x40 watts/4 ohms 2x30 watts/8 ohms
Power output 20-20,000 Hz	2x30 watts/4 ohms 2x25 watts/8 ohms
Harmonic distortion	< 0.15%
Intermodulation	< 0.3%
Frequency range ±1.5 dB	20-30,000 Hz
Damping factor	> 25
Input tape copy	150 mV/470 kohms
Signal-to-noise ratio phono/tape	> 82 dB
Input microphone	0.1 mV/470 ohms
Output headphones	Max. 20 V/200 ohms
FM sensitivity stereo 46 dB	< 25 µV/75 ohms
AM sensitivity LW 20 dB	< 100 µV
AM sensitivity MW 20 dB	< 80 µV
Record player: Pickup	MMC 20 E
Recommended stylus pressure	15 mN/1.5 gram
Speeds	33 + 45 rpm
Wow and flutter, DIN	< ± 0.09%
Rumble weighted	> 65 dB
Rumble unweighted	> 45 dB
Tape recorder:	
Wow and flutter	< ± 0.15%
Speed deviation	< ± 1.5%
Fast forward and rewind C 60	70 sec.
Frequency range chrome	30-15,000 Hz
S/N ratio chrome + Dolby	> 64 dB
S/N ratio chrome	> 57 dB
Power supply	110-130-220-240 volts
Frequency	50-60 Hz
Power consumption	20-250 watts
Dimensions WxHxD/weight	72x9.5x38 cm/16.5 kg

into 4-ohm speakers) permits undistorted sound reproduction within its specification levels.

To complete this top-line music system, we recommend two Beovox Uni-Phase S45 loudspeakers, which can be placed in a shelving system or allowed to stand freely on specially designed metal pedestals.