

Beomaster 2000

Made in Denmark by
Bang & Olufsen - Struer

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Designed by Jacob Jensen

type: 2801
year: 1974 - July 1978
serial no. 1394058
dimensions w,h,d: 68,5cm x 7,5cm x 27cm

cat. no. 00153

Link: www.beoworld.co.uk



Beomaster 2000 Type 2801

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Beomaster 2000 at the time of its introduction in 1974 was an all-new model. The FM/AM stereo receiver was constructed to facilitate simple, logical operation. Five FM stations could be pre-selected. Secondary controls which are not used daily were hidden under sliding panels. For example, the five FM pre-selectors, controls for AFC and muting (silent tuning), were discretely hidden away from view until such time as you needed them.

The construction of the stereo decoder was based upon a phase lock system which ensured constant high separation of channels. Manual tuning on the large FM/AM tuning scale was by means of a plain circular disc which was flush-mounted into the control panel. The tuning scale was illuminated and a light indicator assisted accurate tuning on an FM station. The AM section, (long and medium waves), had ceramic filters which enabled good separation between stations. The newly developed automatic volume control effectively achieved a good balance between the weak and the strong AM stations. Darlington output circuits in the amplifier section produced 2 x 40 watts RMS or 150 watts total music, with less than 0.1 % harmonic distortion. One of the TAPE connections facilitated AB monitoring. It was possible to copy from one tape recorder to the other without having to fiddle with cables and sockets. There were sockets for two pairs of loudspeakers and for stereo headphones.

Two tape recorders could be connected and could be switched to enable copies of tapes to be made, in either direction. The set was housed in a large flat cabinet of a similar style to the Beomaster 1200 range, though the 'slide rule' pointer was replaced with a conventional dial, operated by a large flush aluminium wheel. A flywheel beneath this made manual tuning very smooth and the large diameter of the control, coupled with the now familiar dual light tuning indicator, also made it very accurate.

To complement slim appearance of the cabinet, a wire prop at the rear could be folded down, tipping the whole machine forward slightly enabling the controls and lights to be viewed more easily.

Beomaster 2000 Specifications

Type: 2801 (1974 - July 1978)
Sound system and loudspeakers: 2 sets of stereo
FM pre-tuning: 5 stations
Tuning indicator: dual light
Muting FM: Yes
Loudness: Yes

Amplifier:

Power output at specified distortion 1000 Hz RMS: 2 x 40 W / 4 ohms
2 x 30 W / 8 ohms
Music power: 2 x 75 W / 4 ohms
2 x 40 W / 8 ohms

Speaker impedance: 4 ohms

Harmonic distortion: 1000 Hz 50 mV DIN 45500: < 0.06 %

Intermodulation DIN 45,500: < 0.25 %

Frequency range +/- 1.5 dB DIN 45500: 20 - 30000 Hz

Channel separation 1000 Hz DIN 45500: > 56 dB

Bass control at 40 Hz:: +/- 17 dB

Treble control t 12500 Hz: +/- 15 dB

FM tuner: Range 87.5 - 104 MHz

Sensitivity 26 dB, +/- 40 kHz < 1.5 μ V / 75 ohms

Signal-to-noise ratio DIN 45,500 > 65 dB

AM tuner:

LW 147 - 350 kHz

MW 520 - 1605 kHz

Sensitivity 20 dB LW 200 kHz 85 μ V

MW 1000 kHz 85 μ V

Power consumption: 20 - 250 W

RIAA amplifier: built-in

Dimensions W x H x D: 68.5 x 7.5 x 27cm

Weight: 8.2 kg

Connections: Headphone Max. 8 V / 200 ohms

Tape: 2 sockets output 15 mV / 20 k ohms DIN

Speakers: 2 sets

Aerial FM: 75 ohms

Phono: DIN