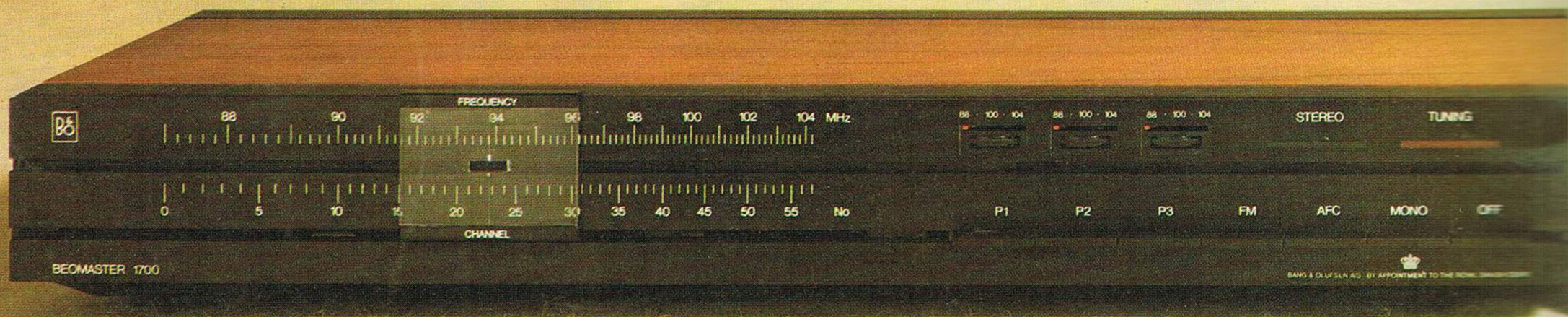


Bang & Olufsen
Beomaster/Beolab 1700





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TEAK

To hear music at its very best you must visit a studio or concert hall, but in this age of advanced technology records and radio broadcasts can be just as enjoyable – and a lot more relaxing. If music is important in your life it should be important in your home, so you should look for audio equipment that will do justice to your musical taste and give you years of pleasure and good service. Stereo transmissions, if these are available in your area, require specialised equipment if they are to be reproduced correctly and

without undesirable background noise. A good quality radio tuner can bring the world into your living room, and the true sound of the broadcast can be recreated in ambiophonic stereo by an equally sophisticated amplifier. You may also need facilities for connecting a record player and a tape recorder or cassette so that you can build up your own personal library of great musical performances. The better the equipment you choose, the more satisfying your leisure time will be. An evening at home can be very

enjoyable; Bang & Olufsen makes it even nicer.

Beomaster 1700

The Beomaster 1700 is a high fidelity FM stereo tuner using the most up to date techniques and components. Its simple design makes it very easy to use, the tuning scale being clearly calibrated, with a smooth running transparent slider to assist quick, accurate tuning. In addition, there are facilities for pre-setting three favourite stations so that subsequent programme

selection is simply a matter of pressing a button. The Beomaster 1700 is able to receive and decode stereo broadcasts, and is fitted with both a stereo indicator, to tell you when stereo is being received, and a tuning indicator in the form of a diadic light. This light is divided into two sections, and its balance varies according to the accuracy of your tuning. When the light shines with uniform brilliance all over its surface, you know the required station is on tune. This highly sensitive and selective tuner is housed in a



slim cabinet finished in natural teak or rosewood. The fascia panel is of matt black anodised aluminium graphically marked in white. The discreet and functional design of the Beomaster 1700 makes it ideal for co-ordination with any high quality audio systems, but its most well suited partner is the matching stereo amplifier Beolab 1700.

Beolab 1700

The Beolab 1700 is a high fidelity stereo amplifier with an output power of 2 x 20 watts RMS. It has facilities for

connecting a radio tuner, record player, and tape recorder; the "tape" button provides AB monitoring when used with a tape recorder having separate record and play-back heads. There are outputs for headphones and two pairs of loudspeakers. One pair of speaker outputs is switchable between normal stereo use and ambiophonic use. Ambiophonic stereo is a method of obtaining a much more realistic sound from conventional stereo records, tapes or broadcasts. All these sound sources contain a great deal of "hidden"

information about the hall or studio in which the music was originally played and recorded – natural acoustic reflections which cannot be reproduced by only two loudspeakers. By using four speakers – two in the normal stereo position and one at each side of the room or listening area – and by using the "ambio" facility which is built into the Beolab 1700, this "hidden" information is restored to the listener and reproduces the ambience of the original performance. Individual push buttons give

instant selection between sound sources, and mono, stereo or ambio reproduction. A loudness control counteracts the natural difficulty of the ear to hear very high and very low frequencies at low volumes. Bass, treble, balance and volume control is by means of individual sliders. The Beolab 1700 is exactly matched in size and appearance to its complementary FM tuner, Beomaster 1700. The wooden cabinet is finished in a choice of natural teak or rosewood, and the fascia panel is of matt black aluminium.

**Specification for
Beomaster 1700-Type 2607**

Dimensions
2·9" high, 19·7" wide, 9·1"
deep.

Weight
10·6 lb.

Power Supply
110-130-220-240 V
AC/50-60 Hz.

Consumption
20 W.

Tuning range
87·5-104 MHz.

Sensitivity
< 2·0 μ V at 75 Ω IHF.

Limiting
1·5 μ V 75 Ω
Signal/noise ratio
> 65 dB.

Selectivity
> 40 dB IHF.

Frequency response
20-15,000 Hz $\pm$ 1·5 dB.

Distortion
< 0·5%

Channel separation
> 30 dB.

Pilot tone suppression
> 38 dB.

Carrier suppression
> 35 dB.

Outputs (at full modulation)
Amplifier

0-1·0 V Variable
(approximately).

Tape
90 mV approximately.

Accessory
V-type telescopic aerial
8902010.

**Specification for
Beolab 1700-Type 2605**

Dimensions
2·9" high, 19·7" wide, 9·1"
deep.

Weight
11·4 lb.

Power supply
110-130-220-240 V

AC/50-60Hz.

Consumption
15-120 W.

Power output
2 $\times$ 20 W RMS into 4 Ω
2 $\times$ 19 W RMS into 8 Ω
2 $\times$ 40 W music power into 4 Ω
2 $\times$ 25 W music power into 8 Ω

Distortion
< 0·1% at 50 mW/1 KHz.
< 0·5% at full output/1 KHz.

Intermodulation distortion
< 1·0%

Half power bandwidth
10-35,000 Hz at 1% distortion.

Frequency response
20-30,000 Hz $\pm$ 1·5 dB.

Connections

Inputs

Pick-up
2·4 mV/47 K Ω /1 KHz.

Tape
150 mV/1 Meg Ω /1 KHz.

Tuner
150 mV/360 K Ω /1 KHz.

Outputs

Tape
26 mV/82 K Ω

Speakers 1
Stereophonic, 4 Ω

Speakers 2
Switchable ambio/stereo 4 Ω

Headphones
100 Ω minimum (jack socket).

Signal/noise ratio

Pick-up
> 52 dB at 50 mW. > 55 dB at
full power.

Tape
> 55 dB at 50 mW. > 65 dB at
full power.

Tuner
> 55 dB at 50 mW. > 65 dB at
full power.

Channel separation
> 40 dB/1 KHz, all inputs.

Tone controls

Bass: $\pm$ 17 dB at 40 Hz.
Treble: $\pm$ 14 dB at 12·5 KHz.



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this leaflet are correct at the time of
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