

# BEOGRAM

# 6002

## **SETTING UP**

Transport protection .....	2
Clearance room .....	2
Power mains .....	2
Attaching the pickup .....	3

## **HOW TO OPERATE**

### **BEOGRAM 6002**

Operate .....	4
Choosing a selection .....	4
Pause .....	4
Record speed .....	4
Dry-wiping records .....	5
Centering adaptor .....	5
Stylus pressure .....	5
Maintenance .....	6
Technical data .....	7



### Setting up

Great efforts is made to protect the record player against damage under transport. Retain the original packing material for future transport of the record player.

#### Transport protection

Under transport, the interior chassis is locked-fast with these three securing screws. Loosen the large screws by rotating counter clockwise, 2-3 times. Push the securing plate aside so that the screw head can descend through the hole when the screw is rotated clockwise. Rotate the screw home.

#### Record turntable

Place the turntable onto the turntable base.

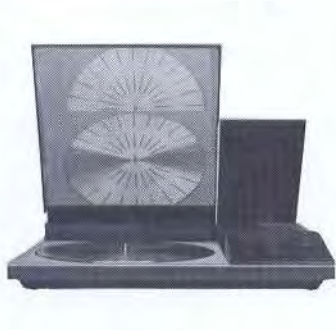


#### For the UK market Important

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.



#### Clearance room

A minimum free-height clearance of 42 cm is needed to allow full opening of the dust cover. Needed depth clearance is 38 cm; width-dimension is 50 cm.

#### Power mains

Beogram 6002, type 5646 operates on 240 Volts, 50-60 Hz and will operate, without alteration, on 200 to 240 Volts. Alteration for operation on another voltage can be carried out by your dealer, by changing the transformer and mains connector cord. This Beogram fulfils the conditions stated in the EEC Directive 76/889 concerning radio frequency interference.



#### **Connection to amplifier or receiver**

Beogram 6002 is equipped with a special 7-pin connector socket. The associated cable, type 6270213, comes with the Beomaster.

When using the Beogram 6002 in conjunction with other radio receivers or amplifiers, the two outermost pins must be screwed off.

Turn anti-clockwise with a small screwdriver.

Radio receivers or amplifiers with phono-plugs are connected by means of cable type 6270216, provided as an accessory, upon request.

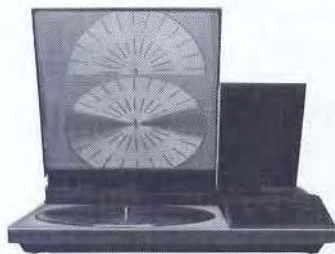
Grey for left channel.

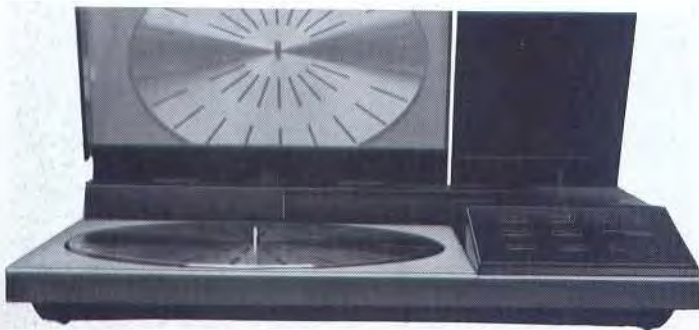
Black for right channel.

The separate lead has to be connected to the earth screw on the amplifier.

#### **Attaching the pick-up**

Pickup unit, MMC 3 may be connected directly by being inserted into the pickup arm's socket and the reafter the stylus guard must be flipped up.





## Operate

Place a record onto the turntable and press **PLAY**.

For special record types, do the following:

17 cm, 33 r/min: press **PLAY** and **33**.

30 cm, 45 r/min: press **PLAY** and **45**.

## Stop

To stop a record before completion, press **STOP**.

## Moving to another track

When playing a record you can move the tonearm to another track or music passage with **<<**, moves the arm rapidly inwards.

**>>**, moves the arm rapidly outwards.

**<**, moves the arm slowly inwards.

**>**, moves the arm slowly outwards.

When you've found the place you want, press **PLAY**.

## Pause

The pause function enables you to interrupt playback, and later resume playback from the same place.

Press **PAUSE**. The tonearm lifts off the record and remains in position.

Resume playback, press **PLAY**.

To cancel the pause function, press **STOP**.

## Speed

The Beogram 6002 automatically selects the correct speed, 33 or 45 rpm.

Manual switching is with buttons **33** and **45**.



#### **Automatic stylus cleaning action**

Each time the pickup arm moves to and from the stop position, the stylus is wiped against a fixed-emplaced cleaning brush.

#### **Centering adaptor**

For records with large center holes, place the centering adaptor onto the record axle before placing the record.

#### **Care of discs**

In designing the Beogram every effort has been made to ensure that your records can be played a large number of times with no deterioration of sound quality.

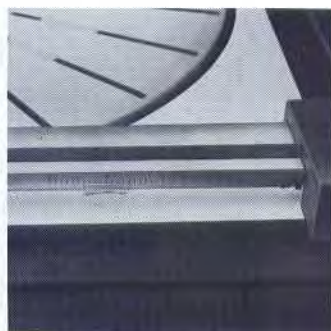
However, there is something you can do yourself; for example, you can minimize wear by avoiding dust particles and finger prints on your records.



We assume that you keep your discs in their jackets or albums. It is not immaterial how you take out a disc because the friction against the inner side of the jacket is enough to give the disc a static charge so it will attract dust.

Hold the disc jacket so that its sides bend away from the disc. Put your hand in below the disc so that the middle finger touches the centre hole and the thumb grips the rim of the disc, and without touching the grooves of the disc. Pull the disc out of its jacket in such a manner that the jacket only touches the rim of the disc, not the actual surfaces.

Only hold the rim of the disc when putting it on the turntable.



Keep the dust cover of your Beogram closed while playing the disc.

Put the disc back in its jacket in the same careful manner, avoiding friction between the sides of the disc and the jacket. By doing so you help to reduce the need for antistatic wiping of your discs.

Should this become necessary, proceed as follows:

#### **Wiping records**

Press **TURN** down; the turntable revolves without causing the pickup arm to coast in.

#### **Stylus pressure**

The pickup arm is preadjusted, upon delivery, to the stylus pressure recommended for the MMC3; i.e. 12 mN or 1,2 gramme. Adjustment to another stylus pressure is accomplished with the sliderbutton found on the side of the pickup arm.

#### **Metal surfaces**

The chassis deck and turntable can usually be kept clean with a dry cloth.

**Be careful not to damage the stylus. Put the stylus guard in place before wiping the metal surfaces clean of dust, and before moving or transporting your record player.**

Any grease stains on the metal surfaces can be removed with a soft cloth moistened in a cold or lukewarm solution of detergent in water.

Thereafter wipe thoroughly with a dry cloth.

#### **Dust cover**

Ajax Window Cleaner is recommended for cleaning the transparent dust cover.

**Do not use oil as it may dissolve the material.**

#### **Teak and Rosewood**

If the wood surface seem grey and dry you may apply a thin film of teak or rosewood oil, though not more than once or twice a year.

#### **Blond Oak**

The removal of dark spots requires acetone. Do not use oil under any circumstances – even non-oil detergent or non-oil wax cause discolouration of the surface.

Should more extensive treatment or repairs become necessary you should leave them to your dealer.

#### **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 your copy is presented to the dealer on request for service.

<b>TECHNICAL DATA</b>	<b>BEOGRAM 6002</b>
<b>Type No.</b>	<b>5645 (5646)</b>
Wow and flutter, DIN	<±0.07%
Wow and flutter, WRMS	<±0.035%
Rumble DIN, weighted	>70 dB
Rumble DIN, unweighted	>45 dB
Speeds	33-45 rpm.
Tangential tracking	<0.04°
Power supply	220 volts (5646: 240 volts)
Power frequency	50-60 Hz
Power consumption	17 watts
Dimensions W × H × D	49 × 9 × 37,5 cm
Weight	9 kg

#### **MMC 3 cartridge**

Recommended tracking force	12 mN/1,2 gram
Frequency range	20–20,000 Hz ±2 dB
Channel separation 1000 Hz	>25 dB
Channel separation 50-15,000 Hz	>20 dB
Channel difference	<1.5 dB
Stylus	Elliptic naked diamond
Effective tip mass	0.35 mg
Compliance	25 μm/mN
Sensitivity mV/cm/s RMS	>0.6 mV
Output 5 cm lateral	>2.12 mV

**Subject to change without notice**



# Bang & Olufsen Distributors

## ARGENTINA

Aurora S.A.  
Paraguay 1102  
Buenos Aires 1057

## AUSTRALIA

Bang & Olufsen Australia Pty Ltd.  
598 Burke Road  
Camberwell  
Victoria 3124  
Phone: (03) 82 - 1256

## AUSTRIA

Bang & Olufsen Ges.m.b.H.  
1130 Wien  
Hietzinger Kai 137a  
Phone: (0222) 822671

## BAHRAIN

Musicentre  
Awal Building  
Govt. Road  
Manama  
Phone: 2-55727

## BELGIUM

S.A. Bang & Olufsen Belgium N.V.  
Rue Bollinckx, 24  
1070 Bruxelles  
Phone: 02-520 22 40

## CANADA

BSR (Canada) Limited  
26 Clairville Drive  
Rexdale, Ontario M9V 4B3  
Phone: (416) 575-2425

## DENMARK

Bang & Olufsen a/s  
7600 Struer  
Phone: 07/85 45 00

## FINLAND

OY Bang & Olufsen AB  
Kuortaneentie 1  
SF - 00530 Helsingfors 52  
Phone: 718400

## FRANCE

Bang & Olufsen France S.A.  
97-99 Rue Darnémont  
75018 Paris  
Phone: 01/255 42 01

## GERMANY

Beo HiFi-Geräte  
Vertriebsges. m.b.H. & Co.  
2000 Hamburg 1  
Wandalarweg 20  
Phone: 040/287469

## GREECE

John U.I. Kyriacopoulos & Co.  
19 Amariotis Street  
Athens 135  
Phone: 3527697 - 3605543

## HOLLAND

Bang & Olufsen  
Nederland B.V.  
P.O. Box 36  
S-Graveland  
Phone: 035-61824

## HONG KONG

The Radio People Ltd.  
25, Chatham Road  
Kowloon  
Phone: (3) 690217

## ICELAND

Radiobudin HF  
Skipholt 13  
105 Reykjavik  
Phone: 29800

## IRELAND

Peter Dand & Co. Ltd.  
111 Clonskeagh Road  
Dublin 6  
Phone: 21-694433

## ISRAEL

Royal Electronics Limited  
48 Hanamal Street  
Haifa  
Phone: 4-672224

## ITALY

DITRON S.p.A.  
Viale Certosa 135  
20156 Milano  
Phone: 02-308 56 45

## JAPAN

Bang & Olufsen of Japan Co. Ltd.  
Bencho Fuji Building 211  
Rokubancho 1  
Chiyoda-ku  
Tokyo 102  
Phone: 03-261-4431

## JORDAN

Jeme  
P.O. Box 1210  
Amman  
Phone: 62826

## KUWAIT

Mohammed Rafie Husain  
Marafie & Sons Co.  
Ahmed Al-Jabar Street  
Safat  
Phone: 439719

## LUXEMBOURG

S.A. Bang & Olufsen Belgium N.V.  
Rue Bollinckx, 24  
1070 Bruxelles  
Phone: 02-520 22 40

## NORWAY

Bang & Olufsen a/s  
Ingvald Ludvigsgensgate 14  
3000 Drammen  
Phone: (03) 823790

## OMAN

Photocentre  
P.O. Box 31 15  
Ruwi  
Phone: 702923

## QATAR

Gulf Showroom  
P.O. Box 786  
Doha  
Phone: 24631

## SINGAPORE

Guthrie Singapore Private Ltd.  
39 Sixth Avenue  
Bukit Timah  
Singapore 1027  
Phone: 662555

## SOUTH AFRICA

Teltron (Pty) Ltd.  
17 Faraday Street  
Village Main  
Johannesburg 2000  
Phone: 21-0911

## SPAIN

ATOMIUM  
Avda Felipe II, 12  
Madrid 9  
Phone: (91) 2753 873

## SWEDEN

Bang & Olufsen Svenska AB  
Albygatan 113  
17125 Solna  
Phone: 08/981340

## SWITZERLAND

Bang & Olufsen AG  
Kanalstrasse 27  
8152 Glattbrugg  
Phone: (01) 8100266

## UNITED ARAB EMIRATES

Musicentre  
P.O. Box 1584  
Riga - Dubai  
Phone: 222458

## UNITED KINGDOM

Bang & Olufsen  
United Kingdom Limited  
Eastbrook Road  
Gloucester GL4 7DE  
Phone: (0452) 21591

## USA

Bang & Olufsen of  
America Inc.  
515 Busse Road  
Elk Grove Village  
Ill 60007  
Phone: (312) 640 - 0660

## YUGOSLAVIA

Iskra Commerce  
Celovska 122  
61000 Ljubljana  
Phone: (061) 551093