

OPERATING INSTRUCTIONS



BD-1520/1550 Belt-drive Turntable



CAUTION!!

Keep this device away from rain and moisture!
Never open the housing!

For your own safety, please read this user manual carefully
before you initial start-up.

All persons involved in the installation, operation and maintenance of this device have to:
- be qualified
- follow the instructions of this manual

1. INTRODUCTION

Thank you for having chosen an OMNITRONIC BD-1520/1550 turntable. If you follow the instructions given in this manual, we can assure you that you will enjoy this device for many years.

Unpack your BD-1520/1550.

Please make sure that there are no obvious transport damages. Should you notice any damages on the A/C connection cable or on the casing, do not take the device into operation and immediately consult your local dealer.

1.1 Features

Belt-drive DJ-turntable

With professional belt-drive • Delivery includes high-quality pick-up system qualified for back-cueing • Adjustable +/- 10 % speed control • Large Start/Stop-button • Instant start due to a powerful motor; short stop time via belt • Remote start possible via ¼"-connection on the rear panel • Strobe lamp for exact speed adjustment • Target lamp • Delivery includes removable dustcover • Adjustable anti-skating • Shock-absorbing feet

2. SAFETY INSTRUCTIONS



CAUTION!

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires!

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.



Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

Always plug in the power plug least. Make sure that the power-switch is set to OFF position before you connect the device to the mains.

Keep away from heaters and other heating sources!

If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.

Never put any liquids on the device or close to it. Should any liquid enter the device nevertheless, disconnect from mains immediately. Please let the device be checked by a qualified service technician before you operate it again. Any damages caused by liquids having entered the device are not subject to warranty!

This device falls under protection-class II and features a protective insulation.

Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!

Make sure that the available voltage is not higher than stated on the AC voltage selector.

Make sure that the power-cord is never crimped or damaged by sharp edges. Check the device and the power-cord from time to time.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.

CAUTION: Turn the amplifier on last and off first!

Please note that damages caused by manual modifications on the device or unauthorized operation by unqualified persons are not subject to warranty.

Keep away children and amateurs!

CAUTION: High volumes can cause hearing damage!

There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

3. OPERATING DETERMINATIONS

This device is a professional turntable for playing standard LPs or Singles. This product is allowed to be operated with an alternating current of 115/230 V, 50/60 Hz and was designed for indoor use only.

Do not shake the device. Avoid brute force when installing or operating the device.

When choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. There should not be any cables lying around. You endanger your own and the safety of others!

Do not operate the device in extremely hot (more than 30° C) or extremely cold (less than 5° C) surroundings. Keep away from direct insulation (particularly in cars) and heaters.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation!



CAUTION!

The RCA-connection plugs must never be connected with the Phono-inputs of your mixer!

Never use solvents or aggressive detergents in order to clean the device! Rather use a soft and damp cloth.

Please use the original packaging if the device is to be transported.

Please consider that unauthorized modifications on the device are forbidden due to safety reasons!

Never remove the serial barcode from the device as this would make the guarantee void.

If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock, etc.

4. INSTALLATION

Install the turntable on a plane, stable ground.

Place the platter on the holder.

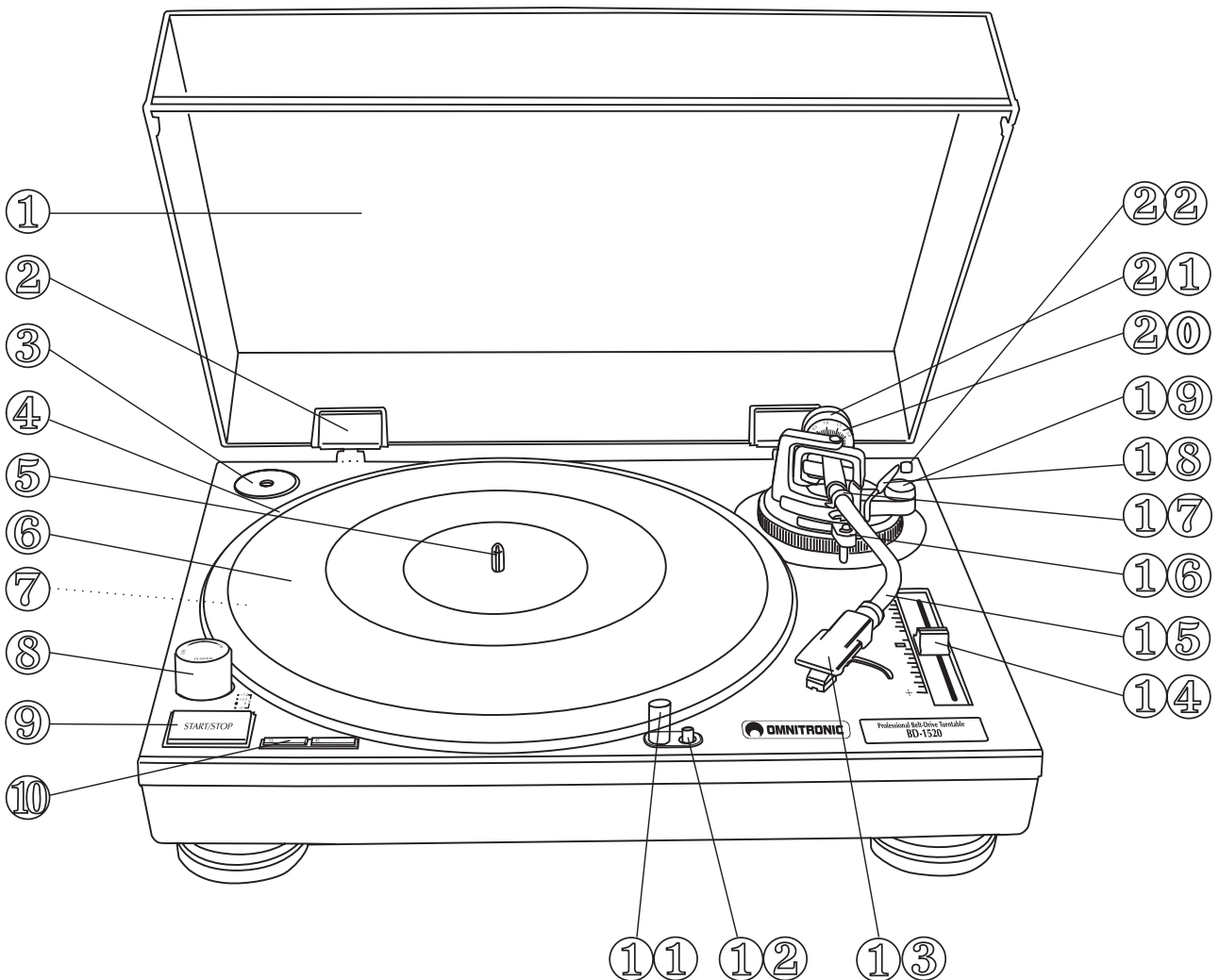
Turn the platter until the rectangular whole is at approx. 20°. Connect the belt with the driving pinion.

Place the slipmat on the platter.

Remove the hinges from the bottom side of the styrofoam. Install the dust-cover on the two hinges.

Remove the pickup-system from the cartridge holder and screw it on the tonearm.

5. GENERAL DESCRIPTION



- | | | |
|--|----------------------------------|-------------------------|
| 1. Dustcover | 8. Power switch with strobe-lamp | 15. Tonearm |
| 2. Hinge | 9. START/STOP-button | 16. Armrest |
| 3. Puck | 10. Speed-selector | 17. Tonearm-clamp |
| 4. Platter | 11. Target light | 18. Tonearm-lift |
| 5. Center | 12. Lamp switch | 19. Anti-Skating-wheel |
| 6. Slipmat | 13. Headshell | 20. Counterweight-scale |
| 7. Voltage selector (underneath the platter) | 14. Pitchfader | 21. Counterweight |
| | | 22. Cartridge holder |

6. CONNECTIONS



Connect the RCA-cables (white=left channel, red=right channel) with the PHONO IN-sockets of your amplifier or mixer. Connect the ground lead with the ground terminal of your amplifier or mixer.

You can connect a footswitch etc. with the REMOTE START/STOP socket.

Connect the turntable to the mains.

7. ADJUSTING

A) Adjusting the counterweight

- Remove the stylus cover.
- Set the Anti-skating-wheel to the 0 position.
- Set the tonearm lift to the down position
- Release the tonearm from the armrest and move it to a position between the turntable and the armrest. Make sure that you do not damage the stylus.
- Carefully hold the tonearm and adjust the counterweight by turning it clockwise or anti-clockwise respectively. The tonearm should be balanced to a horizontal position.
- Move the tonearm back to the armrest and clamp it.
- Set the scale on the counterweight to the 0 position without turning the counterweight.
- Turn the counterweight clockwise until the scale shows the value corresponding to the pressure of the used stylus. The stylus pressure of the pick-up system included in the delivery is 1.5 g. Should you use a separate pick-up system, please follow the manufacturer's instructions.

B) Adjusting the tracking force

Set the Anti-skating-wheel to the value equivalent to the pressure of the used stylus. The stylus pressure of the pick-up system included in the delivery is 1.5 g. Should you use a separate pick-up system, please follow the manufacturer's instructions.

C) Adjusting the playback-speed

- Set the speed to 33 rpm
- Press the START/STOP-button and the turntable begins to rotate.
- Watch the dotted lines on the platter's edge. The numbers next to the strobe-lamp correspond to the playback-speed adjusted via the Pitchfader.

Should the dots of the upper line seem to be standing still, the playback-speed is +7,2 %, should the dots of the second line seem to be standing still, the playback-speed is +3,3 %, should the dots of the third line seem to be standing still, the playback-speed is 0 %, should the dots of the lowest line seem to be standing still, the playback-speed is -3,3 %,.

8. OPERATION

- Select the speed required for the record you want to play.
- Put the record on the platter. Use the puck if needed (e.g. for singles).
- Remove the the stylus cover and release the tonearm.
- Press the START/STOP-button and the turntable begins to rotate.
- Set the tonearm lift to the up position and move the tonearm to the desired starting position. Under insufficient lighting conditions use the target light for spotting the exact starting position.
- Set the tonearm lift to the down position and the tonearm slowly lowers to the record.
- Should you desire to stop the turntable without removing the tonearm from the record, simply press the START/STOP-button.
- Should you desire to interrupt playback for a short period, set the tonearm lift to the up position. When you wish to continue playback, set the tonearm lift back to the down position.
- When you do not need the tonearm lift at all, leave it in the down position.

9. EXCHANGING THE PICK-UP SYSTEM

Loosen the tightening screws on the headshell and remove the connection-cables of the pick-up system. Remove the old pick-up system from the Headshell.

Read the user manual of the new pick-up system.

Put the stylus cover on the stylus.

Connect the Headshell's connection cables with the terminals of the pickup-system and make sure that the occupation of the cables is correct.

The different colours mean:

Used colour:	Channel and poles:
White (L+)	Left, plus-pole
Blue (L-)	Left, minus-pole
Red (R+)	Right, plus-pole
Green (L-)	Right, minus-pole

Tighten the screws on the Headshell.

Adjusting the overhang:

The overhang is the distance between the stylus and the center of the turntable.

For optimized pick-up, the overhang should be set to 20 mm.

Loosen the tightening screws on the headshell and move the system forwards or backwards until you reach the desired position.

Make sure that you tighten the screws before you operate the device again.

CLEANING AND MAINTENANCE



DANGER TO LIFE!

Disconnect from mains before starting maintenance operation!

We recommend a frequent cleaning of the device. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents!

There are no servicable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

Should you need any spare parts, please use genuine parts.

If the power supply cable of this device becomes damaged, it has to be replaced by authorized dealers only in order to avoid hazards.

Should you have further questions, please contact your dealer.

11. TECHNICAL SPECIFICATIONS

Type:	Manual turntable
Drive-method:	Belt-drive
Motor:	DC-motor
Speed:	33 1/3 RPM and 45 RPM
Change-time between the speeds:	
	33 -> 45 RPM in < 1 sec.
	45 -> 33 RPM in < 5 sec.
Pitch adjustment:	± 10 % via fader
Initial torque:	> 650 g/cm
Wow & Flutter:	< 0.25 % WRMS
Start time:	< 1 sec.
Brake:	via belt
Stop time:	< 1 sec.
Rumble:	50 dB DIN B
Platter:	Outer diameter 320 mm
	Weight 682 g
Tonearm:	S-shape with Cardan's suspension
Tonearm-length:	234 mm
Overhang:	20 mm
Adjustable stylus-pressure:	0-4 g
Anti-Skating-range:	0-7 g
Power supply:	230 V/50 Hz
	115 V/60 Hz
Maximum starting-current:	260 mA
Power consumption:	8 W
Connectors:	1 6.3-mm-remote-start-jack
Dimensions:	450 x 352 x 148 mm
Weight:	9 kg

Please note: Every information is subject to change without prior notice. 11/00 ©