WARNING

This equipment is not waterproof. To prevent a fire or shock hazard, do not place any container filled with liquid near this equipment (such as a vase or flower pot) or expose it to dripping, splashing, rain or moisture.

Operating Environment

Operating environment temperature and humidity:
+5 °C to +35 °C (+41 °F to +95 °F); less than 85 %RH (cooling vents not blocked). Do not install this unit in a poorly ventilated area, or in locations exposed to high humidity or direct sunlight (or strong artificial light).

CAUTION

Since the power cord serves as the main disconnect device for the unit, you will need to unplug it from the AC outlet to shut down all power. Therefore, make sure the unit has been installed so that the power cord can be easily unplugged from the AC outlet in case of an accident. To avoid fire hazard, the power cord should also be unplugged from the AC outlet when left unused for a long period of time (for example, when on vacation).

NOTE

The no user-serviceable parts compartment warning is located on the appliance bottom.

Information to User

Alterations or modifications carried out without appropriate authorization may invalidate the user’s right to operate the equipment.

Important Notice

The model number and serial number of this equipment are on the rear or bottom. Record these numbers in the space below.

D8-10-2_A1_En

WARNING: This product contains chemicals known to the State of California and other governmental entities to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

WARNING

Store small parts out of the reach of children and infants. If accidentally swallowed, contact a doctor immediately.

This product is for general household purposes. Any failure due to use for other than household purposes (such as long-term use for business purposes in a restaurant or use in a car or ship) and which requires repair will be charged for even during the warranty period.

Copyright © 2000, Sony Corporation

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.
8) Do not use near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Unplug this apparatus during lightning storms or when unused for long periods of time.
13) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

D3-7-13-69_A1_En

D3-4-2-1-5b_A1_En

D3-7-13-68_A1_En

D3-7-13-67_A1_En

D3-7-13-66_A1_En

D3-4-2-2-2a*_A1_En

D41-6-4_A1_En

D36-P5_C1_En

D36-AP9-3*_A1_En

D8-10-2_A1_En

D3-4-2-1-1b_A1_En

D3-4-2-1-1b_A1_En

D3-4-2-2-2a*_A1_En

D3-7-13-67_A1_En

D3-7-13-69_A1_En

D3-4-2-1-3_A1_En

D3-4-2-1-3_A1_En
The Safety of Your Ears is in Your Hands

Get the most out of your equipment by playing it at a safe level—a level that lets the sound come through clearly without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing. Sound can be deceiving. Over time, your hearing “comfort level” adapts to higher volumes of sound, so what sounds “normal” can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

ESTABLISH A SAFE LEVEL:
• Set your volume control at a low setting.
• Slowly increase the sound until you can hear it comfortably and clearly, without distortion.
• Once you have established a comfortable sound level, set the dial and leave it there.

BE SURE TO OBSERVE THE FOLLOWING GUIDELINES:
• Do not turn up the volume so high that you can’t hear what’s around you.
• Use caution or temporarily discontinue use in potentially hazardous situations.
• Do not use headphones while operating a motorized vehicle; the use of headphones may create a traffic hazard and is illegal in many areas.

POWER-CORD CAUTION
Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause a fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.
Thank you for buying this Pioneer product. Please read through these operating instructions so you will know how to operate your model properly.

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Before you start

Features

Simple to use, fully automatic record player
Once you select the record size, all you have to do is press the [START] button to start playing a record. When the record is done, the player’s fully automatic function returns the tone arm to its position.

Stable record playing due to low center of gravity chassis
The bottom of the player has a metal plate to give the entire chassis a low center of gravity. That makes it stable while playing records even when there are external vibrations.

Equipped with a phono equalizer that can be switched ON/OFF
Being equipped with its own phono equalizer means the player can be connected directly to amps that don’t have a PHONO terminal. If an amp does have a phono equalizer, this function can be turned off.

Comes with a high-performance MM cartridge
Because it comes with a cartridge, you can use it right away.

Comes with a moderately thick rubber mat
The 5 mm thick rubber mat suppresses external vibration while improving the grip between the record and the turntable—for stable record playing.

Unobtrusive design
Its appearance and finish engender a composed ambience so it harmonizes with your components as well as your interior.

Detachable power cord
Cables are not obstacles when the player is moved, thus preventing disconnection problems.

Checking what’s in the box
Please check that you’ve received the following supplied accessories:
- Turntable
- Turntable sheet
- Dust cover with removable hinges
- Adapter for EP record
- Balance weight
- Headshell with cartridge
- Spare lead wires
- Power cord
- Operating instructions (this document)

WARNING
Store small parts out of the reach of children and infants. If accidentally swallowed, contact a doctor immediately.

Assembly
• Do not remove the twist tie for clamping the tone arm until assembly is completed.
• Connect the power cord after player assembly and all the connections between other devices have been completed.

1  Set the turntable.
   Set the turntable on the center spindle.
   • Be careful not to hit the turntable on the main unit or drop it.

2  Turn the turntable so that the roller is visible through the square hole with the ribbon tape for catching the belt.
3 Pinch the ribbon tape and catch the belt on the outer center of the roller.

4 Remove the ribbon tape.

5 Turn turntable slowly five or six turns.
   Check that the belt is properly caught at the center of the roller.

6 Set the turntable sheet.
   - The turntable mat has a top and a bottom side. Put the mat on the turntable so the bottom, which has the Pioneer logo, faces down.

7 Attach the headshell.
   Insert the headshell with attached cartridge into the tone arm. Next, while keeping the headshell horizontal, tighten the lock nut.

8 Attach the balance weight.
   Attach the balance weight to the rear shaft of the tone arm.

9 Mount the dust cover.
   Insert the hinges of the dust cover securely into their holders on the back of the turntable.
   - Insert both hinges fully.
   - When removing the dust cover, open the dust cover fully then pull out upward with holding the dust cover near the hinge retainer sections.

10 Remove the twist tie for clamping the tone arm.
   Once assembly is finished, remove the twist tie for clamping the tone arm.
Part names and functions

Top panel

1 SPEED button
Changes the speed according to the record to be played.

2 START button
Pressing the button starts rotation of the turntable.

3 STOP button
Pressing the button stops rotation of the turntable.

4 SIZE SELECT lever
Changes the size according to the record to be played.

5 Headshell
Used with a cartridge attached.

6 Lock nut
Holds the cartridge attached.

7 Tone arm

8 Arm rest
Serves as the support base for the tone arm.

9 Lifter lever
The tone arm goes up when the lever is pulled up. The tone arm goes down when the lever is pushed down.

10 Arm lifter
This device is used to move the tone arm up and down. It is operated by the lifter lever.

11 ANTI-SKATING dial
When a record is played, there is power to pull the stylus tip toward the inner perimeter. By matching this dial to the stylus pressure value, that power is eliminated.

12 Stylus pressure adjustment ring
Used to match to the appropriate stylus pressure of the cartridge.

13 Balance weight
Used to balance the tone arm and adjust the stylus pressure.

14 Adapter for EP record
Used to play standard EP records.

Adjustment

Adjusting the tone arm balance
Prepare as follows:
- For cartridges with removable stylus covers, remove the stylus cover.
- Push down the lifter lever.

1 Set the [ANTI-SKATING] dial to “0”.

2 Keep the tone arm from the arm rest and adjust the balance so it is horizontal.
   - When moving the tone arm, make sure that the stylus tip does not directly touch the turntable and the like.

Balance weight too far to the back
Balance weight too far to the front
Adjusting the stylus pressure

1. Return the tone arm to the arm rest.
2. Match the “0” on the stylus pressure adjustment ring to the center line of the arm rear shaft.
   
   While using your finger to hold the balance weight to keep it from moving, turn only the stylus pressure adjustment ring so that the number “0” comes to the black center line of the tone arm rear shaft.

3. Adjust the stylus pressure.
   
   Turn the balance weight to adjust to the appropriate stylus pressure value for your cartridge.
   
   • When turning the balance weight, the stylus pressure adjustment ring turns together. While observing the adjustment ring, adjust the stylus pressure to the appropriate value.
   
   • The appropriate stylus pressure for the included cartridge is 3.5 g. Set to “3.5”.

Adjusting anti-skating

This adjustment is made to prevent stylus jumping.

1. Match to the same scale position as the stylus pressure value.
2. Turn the [ANTI-SKATING] dial to match the reference mark to the same value as the cartridge stylus pressure value.

Connecting your equipment

Connecting your equipment

• Be sure to turn off the power and unplug the power cord from the power outlet whenever making or changing connections.
• Refer to the operating instructions for the component to be connected.
• Connect the power cord after all the connections between devices have been completed.

Descriptions of terminals

![Terminal Diagram]

1. **Equalizer switch**
   
   Move this switch to appropriate position according to the audio input terminal of the pre-main amplifier or other component.

2. **RCA output terminals**
   
   Connects to the audio input terminal of the pre-main amplifier or other component.

3. **AC IN terminal**
   
   Connects to a power outlet using the included power cord. Wait until all connections between the equipment are completed before connecting the power cord.
   
   • Be sure to use the included power cord.

Connecting to a pre-main amplifier and component

1. Set the equalizer switch to appropriate position.
   
   **PHONO**: When connecting to the PHONO input terminal (the built-in equalizer of record player is not used.)
   
   **LINE**: When connecting a terminal other than the PHONO input terminal (the built-in equalizer of record player is used.)

2. Connect the RCA output terminal to the input terminal of the pre-main amplifier or other component.

3. Connect the power cord.
   
   Connects to a power outlet using the included power cord. Wait until all connections between the equipment are completed before connecting the power cord.
   
   • Before connecting to the outlet (AC outlet) mounted on the connected equipment, check the wattage displayed on the outlet. (This unit consumes 2 W of power.)
   
   • If the player starts operating when the power cord is plugged in, press the [STOP] button.
Place of installation
Place the unit on a level surface that is free of external vibration.
- To the extent possible, keep the unit away from the speaker system.
- When the unit is very close to a radio (AM/FM broadcasting), the radio could generate noise. Keep the distance as far away from the unit as possible.

Playback
Prepare as follows:
- Place a record on the turntable.
- Remove the stylus cover while paying attention not to touch the stylus tip.

1 Press the [SPEED] button to set the record’s playing speed.
To play 45s, set the button to the raised position []; for 33 1/3 records, the button must be in the depressed position [ ].
- To play a standard EP record, attach the EP record adapter to the center spindle and play the EP record.

2 Move the [SIZE SELECT] lever to set the record size.
To play 17 cm records, set the lever position to [17]; for 30 cm records, set the lever position to [30].
- To play a standard EP record, attach the EP record adapter to the center spindle and play the EP record.

3 Press the [START] button for over 1 second.
The turntable starts turning and playback starts automatically.
- Once the record is played, the tone arm returns to its original position and the turntable automatically stops turning.
- Once you have finished playing records, attach the stylus cover to prevent the stylus tip from moving.
- This set has an auto return function by which the tone arm automatically returns to its original position once a specific point is reached after a record finishes playing. Though there is no problem with records of normal size, with records including grooves up to this point, the auto return function may be activated before playback is finished.

Notes
- Do not touch the tone arm or turntable or turn off the power while a record is playing.
- The auto play system cannot be used for 25 cm records. In this case operate manually. If the tone arm does not return to its original position after playback stops, press the [STOP] button.

Pausing playback
Pull up the lifter lever.
The stylus of the cartridge lifts away from the record.
- To resume playback, push down the lifter lever.

Finishing playback
1 Pull up the lifter lever to return the tone arm to the arm rest and then push down the lifter lever.
2 Press the [STOP] button.
- Once you have finished playing records, attach the stylus cover to protect the stylus tip.

Additional information
Replacing the stylus
The included stylus has a service life of about 400 hours. To avoid damaging valuable records, replace the stylus without delay. Purchase a replacement stylus at the store where you purchased the record player or your nearest repair and inquiry outlet. Specify that you want the replacement stylus exclusively for PL-30-K.
- Turn off the amplifier’s power before replacing the stylus, and unplug the player’s power cord.
- The stylus tip is an extremely delicate part, so handle it very carefully. Use a soft brush to gently remove any dust from the stylus tip.
- Removing the headshell makes it easy to replace the stylus.

Removing the replaceable stylus
1 Holding the cartridge steady with one hand, grasp the replaceable stylus with the other hand, and then push down it.
2 Pull the stylus off gently in the direction of arrow.

Attaching the replaceable stylus
1 Holding the cartridge steady with one hand, grasp the replaceable stylus with the other hand, point the catch on the replaceable stylus, insert it all the way into the long hole in the cartridge.
2 Push up in the direction of arrow until a click is heard.

Replacing the cartridge
If you wish to mount a different cartridge on this player, use one weighing approximately 4.5 g to 9.5 g. To purchase a headshell only, ask for one exclusively for PL-30-K at your store of purchase or nearest repair and inquiry outlet.
Removing the cartridge
1. Turn the headshell lock nut and remove the headshell.
2. Loosen the cartridge mount screws and remove them.
3. Disconnect the lead wires on the cartridge side.

Attaching the cartridge
1. Connect the lead wires. They are color-coded as shown below. Be careful to connect them properly.

<table>
<thead>
<tr>
<th>Color</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Right channel (R)</td>
</tr>
<tr>
<td>White</td>
<td>Left channel (L)</td>
</tr>
<tr>
<td>Green</td>
<td>Right channel ground (RG)</td>
</tr>
<tr>
<td>Blue</td>
<td>Left channel ground (LG)</td>
</tr>
</tbody>
</table>

2. Attach the cartridge. To achieve the required overhang, mount in such a way that the stylus tip is positioned about 45 mm from the edge of the headshell’s mount surface (the rubber washer), as shown on the diagram below.
   - The overhang for this player should be 19 mm.

3. Tighten the cartridge mount screws to mount the cartridge.

Notes
- After replacing the cartridge, be sure to readjust the horizontal balance, stylus pressure, and anti-skating value.
- The thickness of the terminal depends on the replacement cartridge, and some may not connect securely. In this case, use the included spare lead wire.
Troubleshooting

- If your player is not working properly, use the table below for troubleshooting.
- If you cannot resolve the problem, please contact our service center or your sales outlet.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>The power is not turned on.</td>
<td>Is the power cord properly connected?</td>
<td>Properly connect the included power cord to a power outlet.</td>
</tr>
<tr>
<td>The turntable does not turn.</td>
<td>Is the belt in place?</td>
<td>Check the belt and rollers. If the belt has slipped off the turntable, mount it according to the instructions in Assembly. (Page 5)</td>
</tr>
<tr>
<td></td>
<td>Has the belt been cut?</td>
<td>Check the belt and roller. If the belt has been cut, replace it with a new one.</td>
</tr>
<tr>
<td>No sound or small sound.</td>
<td>Are the audio cables properly connected?</td>
<td>Connect the audio cables properly.</td>
</tr>
<tr>
<td></td>
<td>Are the terminals and plugs dirty?</td>
<td>Clean the terminals and plugs before making connections.</td>
</tr>
<tr>
<td></td>
<td>Is the headshell attached properly?</td>
<td>Attach the headshell properly.</td>
</tr>
<tr>
<td>The sound is distorted.</td>
<td>Is the equalizer switch in the [LINE] position, even though the player is connected to your amp's PHONO terminal?</td>
<td>When the player is connected to a PHONO terminal, put the equalizer switch in the (PHONO) position.</td>
</tr>
<tr>
<td>The sound is extremely quiet.</td>
<td>Is the equalizer switch in its [PHONO] position, even though the player is connected to your amp's AUX terminal?</td>
<td>When connected to the AUX terminal, put the equalizer switch in the [LINE] position. (Be sure to turn the volume on your amp to its minimum before changing the position of the equalizer switch.)</td>
</tr>
<tr>
<td>The left and right sound are reversed.</td>
<td>Are the left and right connections for each piece of equipment reversed?</td>
<td>Correctly connect the audio cable and the leads wires of headshell part.</td>
</tr>
<tr>
<td>There is a low hum sound (humming or buzzing sound) during playback.</td>
<td>Is there an electric device such as a fluorescent lamp or its power cord near the connection cord?</td>
<td>Place the power cord of the fluorescent lamp or other device as far away as possible.</td>
</tr>
<tr>
<td>The stylus tip does not come down on the record.</td>
<td>Is the stylus pressure adjusted properly?</td>
<td>Match the balance weight to the appropriate stylus pressure value for your cartridge.</td>
</tr>
<tr>
<td></td>
<td>Is the arm horizontally balanced?</td>
<td>Turn the balance weight until the tone arm becomes horizontal.</td>
</tr>
<tr>
<td>Stylist jumping occurs.</td>
<td>Is the stylus pressure adjusted properly?</td>
<td>Match the balance weight to the appropriate stylus pressure value for your cartridge.</td>
</tr>
<tr>
<td></td>
<td>Is the record warped or does it have scratches?</td>
<td>Check the condition of the record.</td>
</tr>
<tr>
<td>Does the stylus tip have a lot of dust on it?</td>
<td>Remove the shell with cartridge and use a soft tip brush or writing brush to carefully remove dust, etc. from the stylus tip.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Is anti-skating adjusted correctly?</td>
<td>Adjust anti-skating correctly.</td>
</tr>
<tr>
<td></td>
<td>Is the arm height adjusted correctly?</td>
<td>Adjust the arm height correctly.</td>
</tr>
<tr>
<td>The arm stops along the way and does not go ahead.</td>
<td>Does the record have scratches?</td>
<td>Check the condition of the record.</td>
</tr>
<tr>
<td></td>
<td>Is the arm coming into contact with something?</td>
<td>Check around the arm. If there is an obstacle, remove it.</td>
</tr>
<tr>
<td>Sound volume is low or loud.</td>
<td>Is the connection to the amplifier appropriate for the cartridge type (output)?</td>
<td>Connect the connection cables properly.</td>
</tr>
</tbody>
</table>

Cautions on use

About condensation

Water droplets (condensation) may form inside the unit (on operating parts and lenses) in the winter, for example, if the unit is moved from a cold place into a warm room or if the temperature in the room in which the unit is installed rises suddenly (through heating, etc.). The unit will not operate properly and will not be playable with condensation inside. Let the unit stand for 1 to 2 hours at room temperature (though this time depends on the conditions of the condensation) without turning on the power. The water droplets will evaporate and the unit will become playable. Condensation can occur in the summer as well if the unit is exposed to the direct wind from an air-conditioner, etc. If this happens, move the unit to a different location.

When transporting the unit to another location

Use the original packing materials to pack the unit.

If the original packing materials are not available, be sure to perform the following.

- Detach the turntable sheet and turntable and pack carefully.
- Detach the headshell and balance weight from the arm and pack carefully.
- Use the arm clamper to secure the tone arm and use tape to secure it so that it does not move.
- Wrap the main unit in a blanket or soft paper so that it will not be damaged.

Maintenance of each part

When attaching and detaching the headshell, turn off the power of the amplifier.

- If you attempt to do so while the volume is loud, the speaker could be damaged.
- Remove the shell with cartridge and use a soft tip brush or writing brush to carefully remove dust, etc. from the stylus tip.
- Use a good quality record cleaner to clean records.
- Use a soft cloth or something similar to clean the headshell terminal and then reattach it to the tone arm.

Cleaning the dust cover, etc.

Use a soft cloth to clean the dust cover and cabinet.

- Do not clean the dust cover while playing. Static electricity could cause the tone arm to be pulled by the dust cover.

About trademarks and registered trademarks

- Pioneer is a registered trademark of PIONEER CORPORATION.
- The names of companies and products mentioned herein are the trademarks of their respective owners.
Specifications

Power requirements .................................................. AC 120 V, 60 Hz
Power consumption .......................................................... 2 W
Main unit weight .......................................................... 5.6 kg (12.3 lb)
Max. dimensions .................................................. 435 mm (W) × 110 mm (H) × 372.6 mm (D) (17 3/16 in. (W) × 4 6/16 in. (H) × 14 11/16 in. (D))
Tolerable operating temperature ........................................... +5 °C to +35 °C (+41 °F to +95 °F)
Tolerable operating humidity ........................................... 5 % to 85 % (no condensation)

Turntable part

Drive method .......................................................... Belt drive system
Motor .......................................................... DC servo motor
Rotation speed .......................................................... 33 1/3 rpm, 45 rpm
Wow and flutter .......................................................... 0.1 % or less WRMS (JIS WTD)
S/N ratio .......................................................... 60 dB (DIN-B)
Turntable .......................................................... Aluminum die-casting

Tone arm part

Arm type .......................................................... Static balance straight type tone arm
Effective length .......................................................... 221.5 mm
Overhang .......................................................... 19 mm
Stylus pressure variable range ........................................... 0 g to 4.0 g (1 scale 0.1 g)
Proper cartridge weight .................................................. 4.5 g to 9.5 g (single cartridge)
Cartridge type .......................................................... MM type
Headshell weight .......................................................... 10.0 g (including screws and nuts)

Output voltage

PHONO .......................................................... 2.5 mV
LINE .......................................................... 150 mV

- The specifications and design of this product are subject to change without notice.
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