

Pioneer

Operating instructions
Mode d'emploi

S-DW1-K

POWERED SUBWOOFER
ANCEINTE DE GRAVES SECONDAIRE DE PUISSANCE

English

Français

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE

IMPORTANT NOTICE

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep in a secure area. This is for your security.

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

AVERTISSEMENT: POUR EVITER LES DANGERS D'INCENDIE ET D'ELECTROCUTION, NE PAS EXPOSER CET APPAREIL A LA PLUIE OU A L'HUMIDITE.

REMARQUE IMPORTANTE

Le numéro de série de cet appareil se trouve sur son panneau arrière.

Pour s'y référer en cas de besoin, prière d'inscrire ce numéro sur la carte de garantie incluse et de la conserver dans un endroit sûr.

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

IMPORTANT



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

SAFETY INSTRUCTIONS

READ INSTRUCTIONS – All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS – The safety and operating instructions should be retained for future reference.

HEED WARNING – All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS – All operating and use instructions should be followed.

WATER AND MOISTURE – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION – The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING – The appliance should not be mounted to a wall or ceiling.

VENTILATION – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; it is also not to be placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION – If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CLEANING – The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzene, insecticides or other volatile liquids because they may corrode the cabinet.

POWER LINES – Any outdoor antenna should be located away from power lines.

NONUSE PERIODS – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE – The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged.
- Objects have fallen, or liquid has been spilled into the appliance.
- The appliance has been exposed to rain.
- The appliance does not appear to operate normally or exhibits a marked change in performance.
- The appliance has been dropped or the enclosure damaged.

SERVICING – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

OUTDOOR ANTENNA GROUNDING – If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.

In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA 70, information is provided in regards to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

CART – An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



NEC – NATIONAL ELECTRIC CODE

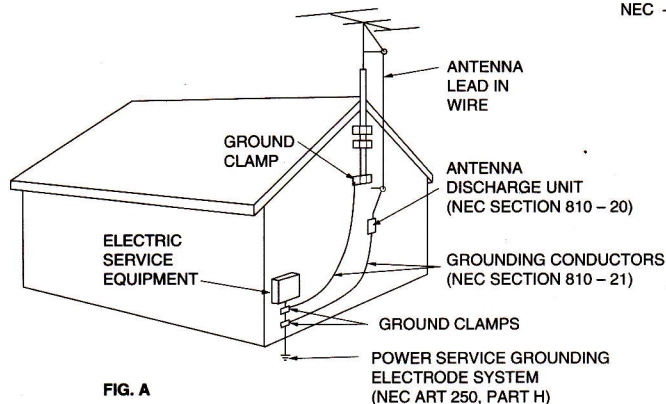


FIG. A

Information to User

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

Congratulations on your purchase of this Pioneer Powered Subwoofer. It has been designed to provide many years of enjoyable performance in your home music or video entertainment system.

In order to safely enjoy the high performance which this unit is capable of providing, please invest a few minutes reading the Safety Instructions, the Panel Facilities and the Connection Guide. Refer to them as you become familiar with the operating features of your subwoofer, then file them safely for future reference.

Depending on the regional location of your residence, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

FEATURES

- ① Bass-reflex type cabinet equipped with a high output amplifier and large-diameter woofers (150W: 25 cm / 10 in.).
- ② Continuously variable cross frequency (50 – 150Hz).
- ③ Phase changeover switch (0°, 180°).
- ④ Low power consumption under no-signal condition.
- ⑤ Input system accommodates HIGH LEVEL and LOW LEVEL.
- ⑥ LOW LEVEL OUTPUT jack accommodates additional powered Subwoofers.

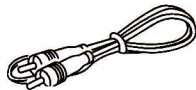
ACCESSORIES

When unpacking the speaker, first check to make sure that all of the accessories listed below are supplied.

- RCA cord

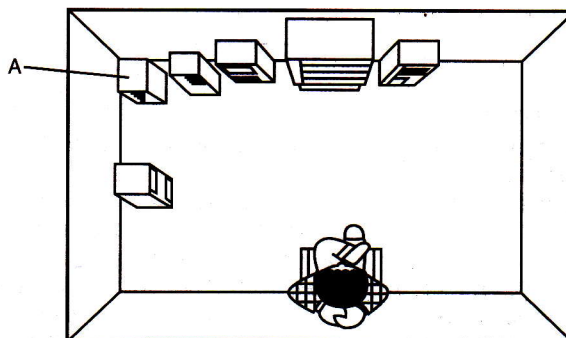
(Pin plug ↔ Pin-plug)

Use to connect S-DW1-K to an amplifier or receiver.



INSTALLATION

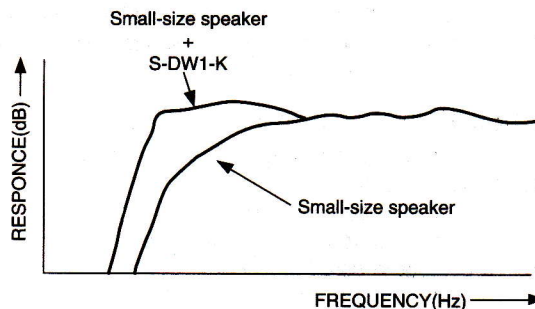
Sound spreads in all directions in the very low frequency range. Human hearing cannot easily detect the source of these very low frequencies. Therefore, the placement of the subwoofer is not critical. However, maximum bass is achieved with a corner location of the subwoofer, or at location "A".



IN COMBINATION WITH SPEAKERS

The frequency characteristics of S-DW1-K combined with small-size speakers are shown below. As shown in these figures, the low frequency range is improved when combined.

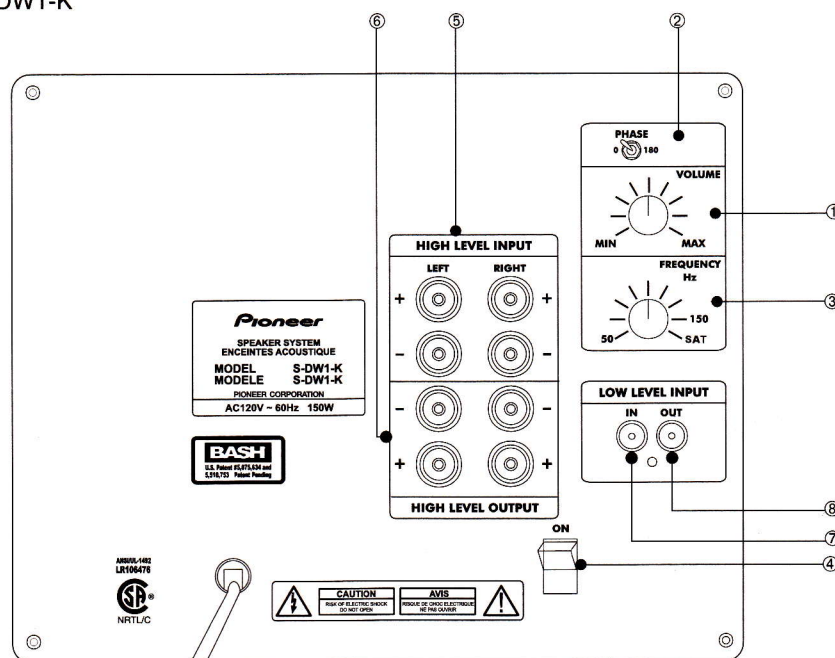
- These special characteristics are obtained in the echoless chamber. The effect of an additional S-DW1-K in an ordinary listening room is more than this when positioned adequately.



PANEL FACILITIES

REAR SECTION

Illustration shows model S-DW1-K



① Subwoofer LEVEL knob

Volume of subwoofer is adjusted with this knob. Turn this knob clockwise to raise the level.

- Starting at "MIN", turn this knob and raise the volume slowly. If the unit is turned on with the volume set too high, it could cause hearing and/or speaker damage. Do not turn the volume up excessively high. The low frequency sound is apt to be raised too high since it is less disturbing and harder to detect than high frequencies. Caution must be taken here since the amplifier and speaker of the S-DW1-K will be clipped when the output of the amplifier or receiver is increased with the subwoofer level set to "MAX".

② PHASE selector switch

This switch changes over the subwoofer phase [0° (in-phase), 180° (opposite phase)] for the combination speakers. Set this switch to suit your choice of bass, according to the location of the subwoofer.

③ FREQUENCY control knob

Select the position according to the woofer level of the speaker to be combined.

- 50 Hz ... For large-sized speaker (woofer diameter: 8 inch or more)
- 100 Hz ... For middle-sized speaker (woofer diameter: 5 to 10 inch)
- 150 Hz ... For small-sized speaker (woofer diameter: 5 inch or less)

④ POWER switch

⑤ Subwoofer input terminals (HIGH LEVEL INPUT)

Connect the speaker output terminals of amplifier or receiver to these terminals with the accessory parallel-wire cord.

⑥ Speaker output terminals (HIGH LEVEL OUTPUT)

Connect the satellite speaker input terminals to these terminals with the two parallel-wire cords. When the SPEAKER LEVEL INPUT is in use.

⑦ Subwoofer input terminal (LOW LEVEL INPUT)

Connect SUBWOOFER output terminal of the amplifier or receiver to this terminal with the accessory RCA cord.

⑧ Subwoofer output terminal (LOW LEVEL OUTPUT)

Used for connecting an additional subwoofer to the system. Connect this terminal to the SUBWOOFER INPUT terminal of another subwoofer.

If the output of the amplifier (receiver) connected to this unit is high or if the output has a low range boosted by the Bass control, Bass boost, or other means, there may be some sound distortion even if the level of the unit is lowered. In this case, lower the output level (Volume, Bass control, Bass boost) on the amplifier (or receiver) side.

CONNECTION

Connection with a normal audio system

Connect the speaker output terminal of your amplifier or receiver with two parallel-wire cords.

NOTES:

- Connect the amplifier (or receiver) and the S-DW1-K and the speaker systems so that the polarities (L & R, \oplus & \ominus) between them are correctly connected.
- When operating near your speaker system, feedback may occur when the power supply of the amplifier (receiver) or the speaker switch is turned OFF, or if the subwoofer level is set too high.
Beware of the following, as the subwoofer may be damaged by feedback:
 1. If possible, connect the power cord of the S-DW1-K to the switched outlet of the amplifier.
 2. In the case of amplifiers or receivers without a switched outlet, be sure to decrease the level of the subwoofer before turning the power supply of the amplifier or the speaker switch OFF.
- A buzzing noise may occur when the speaker switch of the amplifier or receiver is turned off or the power supply is disconnected and the subwoofer level is set too high. This is not a failure, so once more connect the power supply to the receiver and turn the speaker switch on to remove the noise. Lower the subwoofer level when the subwoofer is not in use.

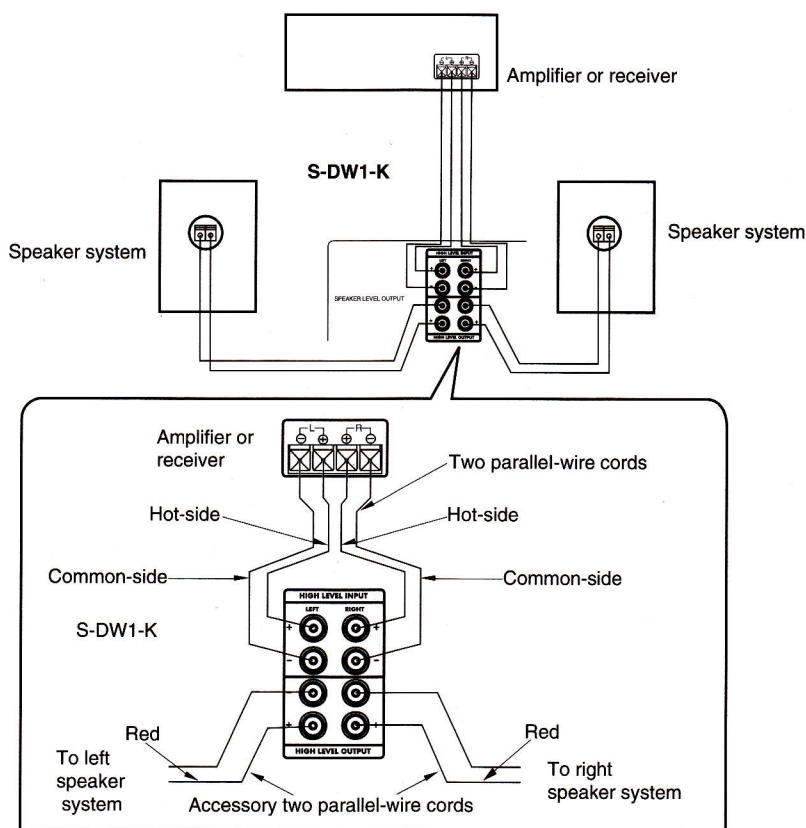
CONNECTION 1

1. Connect the amplifier or receiver speaker output terminals to the S-DW1-K HIGH LEVEL INPUT terminals with the two parallel-wire cords of the audio system.

2. Connect the S-DW1-K HIGH LEVEL OUTPUT terminals to the speaker system, using the two parallel-wire cords.

NOTE:

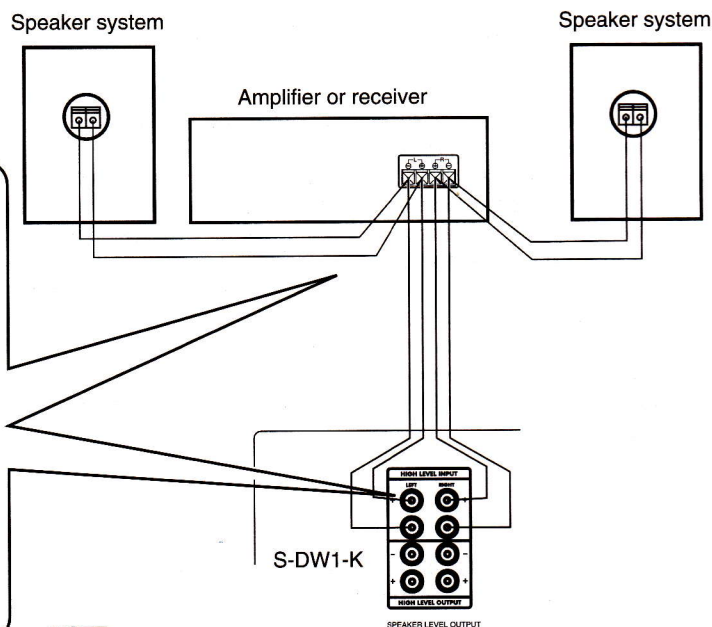
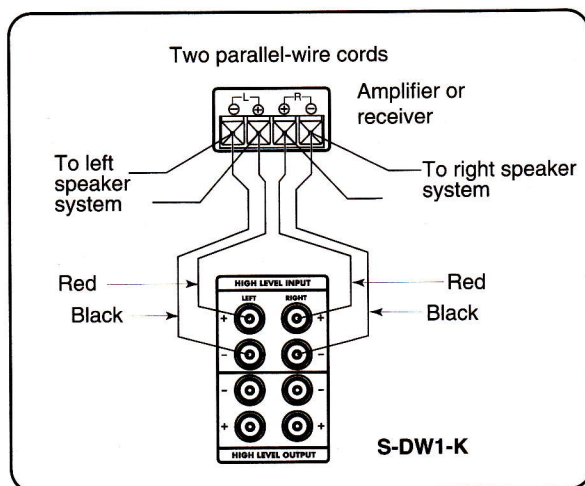
Use speakers with a rated impedance which corresponds with the indicated impedance at the rear panel of the amplifier or receiver.



CONNECTION

CONNECTION 2

Remove the speaker cord connecting your amplifier or receiver. Twist the ends of the speaker cord and parallel-wire cord together and connect again. Make sure that two cords are connected to the speaker terminals.

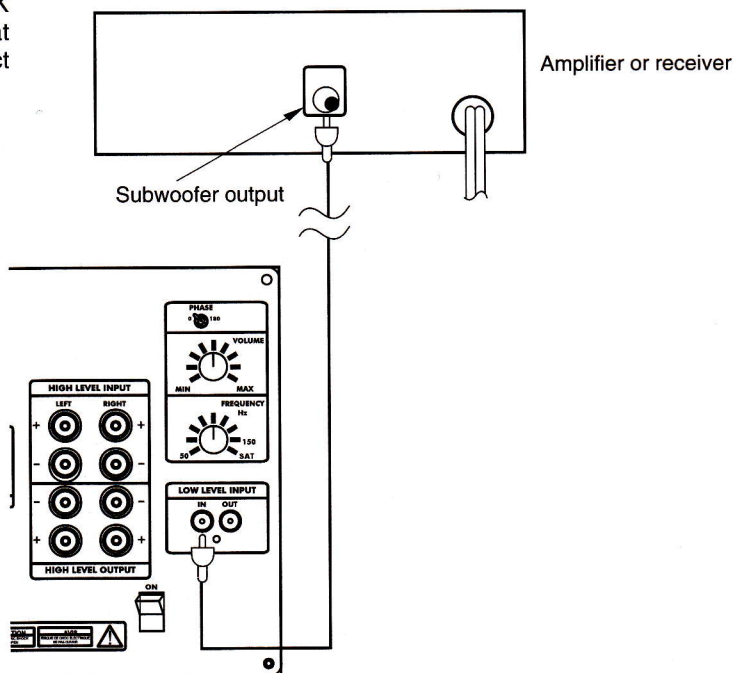


NOTE:

If your amplifier or receiver has two pairs of speaker outputs (A, B), the two parallel-wire cords may be connected to a terminal other than the terminal already connected. In this case, set the speaker switch to "A + B" "A, B". But the speakers will not operate normally if they are connected to a receiver or amplifier with terminals A and B connected in series.

CONNECTION 3

Use the attached pin-plug cord to connect the SUBWOOFER OUTPUT terminal on the amp or receiver with the S-DW1-K LOW LEVEL INPUT terminal. At this time make sure that the terminal is securely connected. Also, do not connect any equipment to the HIGH LEVEL INPUT terminal.



TROUBLESHOOTING

SYMPTOM	PROBABLE CAUSE	REMEDY
① No power is being supplied.	<ul style="list-style-type: none"> Power supply plug is not correctly inserted. Outlet is turned off. 	<ul style="list-style-type: none"> Insert plug securely. Turn outlet on.
② No sound	<ul style="list-style-type: none"> Connection of speaker or accessory RCA cord is wrong or disconnected. LEVEL knob is set to MIN. 	<ul style="list-style-type: none"> Check again and connect correctly. Turn clockwise slowly.
③ Sound is weak. (LEVEL knob is turned.)	<ul style="list-style-type: none"> Polarity of the speaker wires (from the amplifier or receiver to this unit) is reversed. 	<ul style="list-style-type: none"> Confirm the polarity of the wires and connect them correctly.
④ Sound is distorted.	<ul style="list-style-type: none"> Subwoofer level is too large. Input level is too large. 	<ul style="list-style-type: none"> Turn the LEVEL knob counter-clockwise to lower the level. Turn the amplifier's output level (volume, bass control, bass boost) to lower the level.
⑤ Howling or feedback noise occurs.	<ul style="list-style-type: none"> Power supply to amplifier or speaker switch is turned off. Subwoofer level is set too high. 	<ul style="list-style-type: none"> Connect power supply to amplifier and turn speaker switch on. Place the subwoofer a good distance from speaker. Turn the LEVEL knob counter-clockwise to lower volume.

MAINTENANCE OF CABINET



WARNING: UNPLUG THE UNIT BEFORE CLEANING TO REDUCE THE RISK OF ELECTRIC SHOCK.

- Lightly wipe away any dust with a polishing cloth or dry cloth.
- If the cabinet is very dirty, remove with a soft cloth soaked with a neutral detergent diluted to about 5 – 6 times and remove any remaining moisture with a dry cloth. Do not use furniture wax or a cleaner. It may soften or discolor the surface.
- Thinner, benzene and spray-type insecticides also may soften or discolor the surface.

NOTES ON USE

- The top surface of the cabinet can support a maximum weight of 22lbs. Do not place objects that weigh more than 22lbs on the cabinet. Also, do not use the top as a footstool.
- Do not place a TV set on top of the cabinet, as this may cause video discoloration.
- Do not spill water on the cabinet.
- Place the amplifier at least 8 inches from any wall or curtain in order to avoid heat build-up.

POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord. 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. 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 fire or give you an electrical shock. Check the power cord periodically. If you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

SPECIFICATIONS

		S-DW1-K
Cabinet		A floor, bass-reflex type.
Speaker		25 cm (10 inch)
Power Amplifier		Continuous Average Power Output is 150 Watts* in to rated impedance from 30 Hertz to 200 Hertz with no more than 10%** total harmonic distortion.
Input	Speaker level input (Push terminal)	1 V / 4.7 k Ω
	Line level input (Pin - jack)	50 mV / 10 k Ω
Turnover Frequency		50 Hz – 150 Hz (Continuous Variable)
Outline Demension (W x H x D)		320 x 375 x 420 mm 12-5/8 x 14-3/4 x 16-1/2 inch
Weight (without package)		10.9 kg (24lb)
Power Requirements		AC 120 V 60 Hz
Power Consumption		150 W
Accessories		RCA cord (10ft) x 1 Operating instructions x 1

Note: Specifications and design subject to possible modification without notice due to improvements.

* Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifiers.

** Measured by Audio Spectrum Analyzer.



Dear Customer:

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear 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.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Decibel

Level	Example
30	Quiet library, soft whispers
40	Living room, refrigerator, bedroom away from traffic
50	Light traffic, normal conversation, quiet office
60	Air conditioner at 20 feet, sewing machine
70	Vacuum cleaner, hair dryer, noisy restaurant
80	Average city traffic, garbage disposals, alarm clock at two feet.

THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE

90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatic drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.



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