

Operating Instructions | 操作手冊

POWERED SUBWOOFER  
附帶放大器次低音揚聲器

S-LX 70<sub>W</sub>

# IMPORTANT



The lightning flash with arrowhead symbol, 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.

D3-4-2-1-1\_En-A

Thank you for buying this PIONEER product. Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.

In some countries or regions, 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.

## 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.**

D3-4-2-1-3\_A\_En

## WARNING

*Before plugging in for the first time, read the following section carefully.*

**The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage of the area where this unit will be used meets the required voltage (e.g., 230 V or 120 V) written on the rear panel.**

D3-4-2-1-4\_A\_En

## WARNING:

**Do not climb or sit on this unit. Be especially careful when children are around. The unit may be damaged, or may fall over causing injury.**

## 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)

D3-4-2-1-7c\_A\_En

## 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.

S002\_En

## WARNING

**To prevent a fire hazard, do not place any naked flame sources (such as a lighted candle) on the equipment.**

D3-4-2-1-7a\_A\_En

## VENTILATION CAUTION

**When installing this unit, make sure to leave space around the unit for ventilation to improve heat radiation (at least 25 cm at top, 15 cm at rear, and 10 cm at each side).**

## WARNING

**Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product, and to protect it from overheating. To prevent fire hazard, the openings should never be blocked or covered with items (such as newspapers, table-cloths, curtains) or by operating the equipment on thick carpet or a bed.**

D3-4-2-1-7b\_A\_En

If the AC plug of this unit does not match the AC outlet you want to use, the plug must be removed and appropriate one fitted. Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel. If connected to an AC outlet, the cut-off plug can cause severe electrical shock. Make sure it is properly disposed of after removal. The equipment should be disconnected by removing the mains plug from the wall socket when left unused for a long period of time (for example, when on vacation).

D3-4-2-2-1a\_A\_En

## CAUTION

The POWER switch on this unit will not completely shut off all power from the AC outlet. 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).

D3-4-2-2-2a\_A\_En

### [Not applicable to the Taiwanese model]

Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel.

#### IMPORTANT: THE MOULDED PLUG

This appliance is supplied with a moulded three pin mains plug for your safety and convenience. A 10 amp fuse is fitted in this plug. Should the fuse need to be replaced, please ensure that the replacement fuse has a rating of 10 amps and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover, you must ensure that it is refitted when the fuse is replaced. If you lose the fuse cover the plug must not be used until a replacement cover is obtained. A replacement fuse cover can be obtained from your local dealer.

**If the fitted moulded plug is unsuitable for your socket outlet, then the fuse shall be removed and the plug cut off and disposed of safely. There is a danger of severe electrical shock if the cut off plug is inserted into any 13 amp socket.**

If a new plug is to be fitted, please observe the wiring code as shown below. If in any doubt, please consult a qualified electrician.

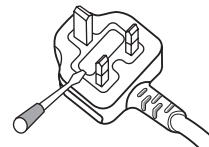
IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

Blue : Neutral    Brown : Live

As the colours of the wires in the mains lead of this appliance 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.



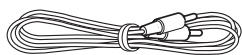
**How to replace the fuse:** Open the fuse compartment with a screwdriver and replace the fuse.

D3-4-2-1-2-2\_B\_En

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## ACCESSORY ITEMS



- RCA plug cord x 1
- Power cable x 1
- Polishing cloth x 1
- Warranty card x 1
- Operating instructions

## FEATURES

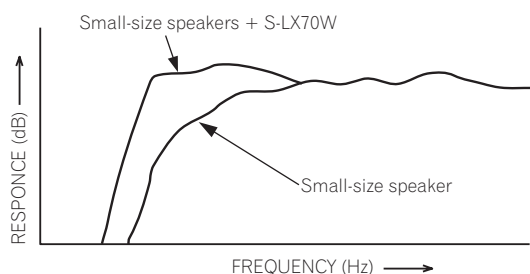
- 300 W (RMS) power with D class amplifier that serves audio and video software playback such as Dolby\* Digital with a wide dynamic range.
- Equipped with 30 cm driver
- Crossover frequency can be set to 50 Hz, 60 Hz, 70 Hz, 80 Hz, 100 Hz, 120 Hz, 160 Hz, 200 Hz.
- Equipped with Bass Mode selector (Music/Cinema mode).

\* *Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.*

## IN COMBINATION WITH SPEAKERS

The frequency characteristics of the S-LX70W combined with small-size speakers are shown below. As shown in these figures, the low frequency range is improved.

- These special characteristics are obtained in an echoless chamber. The effect of an additional S-LX70W in an ordinary listening room is better than the chart indicates when positioned adequately.



- With playback of Dolby\* Digital, establishment of a special channel for the subwoofer is recommended; and with playback of LFE (Low Frequency Effect: sound effect like the rumbling of the earth, whose purpose is to intensify the force of the video), the S-LX70W is especially effective.

### Dolby\* Digital

Dolby Digital is the name of the Dolby Surround multi-channel digital system that was developed from Dolby Surround, as a continuation of Dolby Pro Logic Surround. Dolby Digital is also referred to as a 5.1 channel system. This is because it has 5 channels in the 20 Hz to 20 kHz frequency range (front left and right, center, and rear left and right) and an independent channel for the subwoofer. The subwoofer channel is also referred to as LFE (Low Frequency Effect).

The LFE channel is used according to individual tastes to enhance the bass effect.

# INSTALLATION

## Speaker Installation

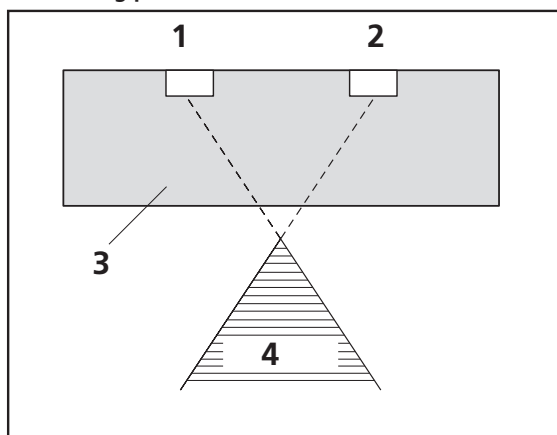
- **Subwoofer Installation Criteria**

- 1 Left speaker**

- 2 Right speaker**

- 3 Recommended installation range for the subwoofer**

- 4 Listening position**



The subwoofer plays back the bass in monaural, making use of the fact that the human ear is not very sensitive to the direction of low-pitched sound. Because of this, the subwoofer can be installed almost anywhere. If it is installed too far away, however, the sound from the other speakers may become unnatural.

- **An example of speaker positioning**

- 1 Front left speaker**

- 2 Center speaker**

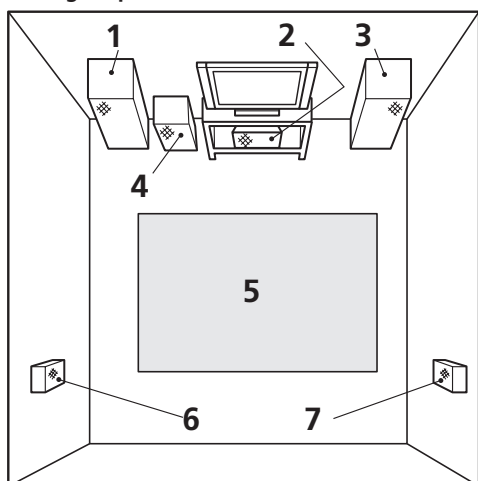
- 3 Front right speaker**

- 4 Subwoofer**

- 5 Listening area**

- 6 Rear left speaker**

- 7 Rear right speaker**



### NOTES:

- To avoid interference with the picture on a nearby TV set, use magnetically shielded speaker systems. This is particularly important for the center speaker since it is usually located closest to the TV.
- Position the left and right channel speakers at equal distances from the TV set and approximately 1.8 meters from each other.
- Install the center speaker above or below the TV so that the sound of the center channel is localized at the TV screen.
- The rear (surround) speakers are most effective when installed in parallel locations directly to the side, or slightly behind, the listener, at a level about 1 meter above the listener's ears.

### CAUTION:

When installing the center speaker on top of the TV, be sure to secure it with tape or some other suitable means.

Otherwise, the speaker may fall from the TV due to external shocks such as earthquakes, and it may lead to endangering those nearby or damaging the speaker.

## Installation Precautions

- Install the unit in a well-ventilated location where it will not be exposed to high temperatures and high humidity.
- Do not place the unit near stoves or other heating equipment or at locations exposed to direct sunlight, as these can have an adverse effect on the cabinet and internal components. Also, do not install the unit where there is too much dust or high humidity, as these can cause malfunctioning or breakdowns. (Avoid cooking tables and other locations where the unit would be exposed to heat, steam and soot.)
- Do not place heavy or large objects on top of the speaker. Doing so could provoke the speaker to fall, causing damages or bodily injury. If speakers fall from their installation locations, they may suffer irreparable cracks in their finish.
- Keep the unit away from devices such as cassette decks which are sensitive to magnetic fields.

This speaker system is magnetically shielded. However, depending on the installation location, color distortion may occur if the speaker system is installed extremely close to the screen of a television set.

If this happens, turn off the power switch of the television set, and turn it on after 15 to 30 minutes. If the problem persists, place the speaker system away from the television set.

- Do not place the speaker on an unstable surface, as doing so may cause the speaker to fall and cause damage or bodily injury.
- Do not place cups, glasses, or other containers with fluids on top of the units, since the units may be damaged if the liquid spills.

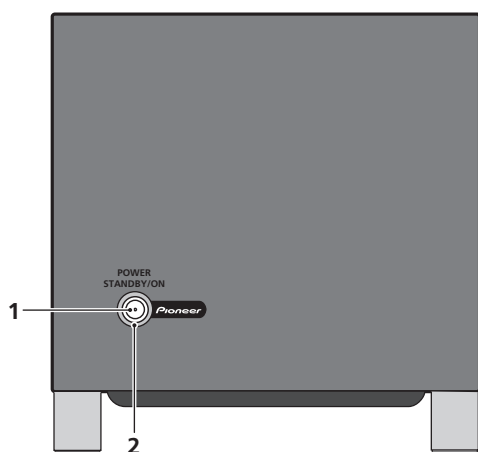
- The installation location selected should have a sturdy floor surface. Mounting the speaker on a long-pile carpet should be avoided, since the carpet may touch the driver's diaphragm, causing distorted sound.
- Please install this unit away from the antenna cable of the tuner, as noise can be caused with installation close to the antenna cable. In such a case, use this unit at a position away from the antenna and the antenna cable, or when playback of extra bass is not required, switch off the power for this unit.

#### MAINTENANCE OF EXTERNAL SURFACES

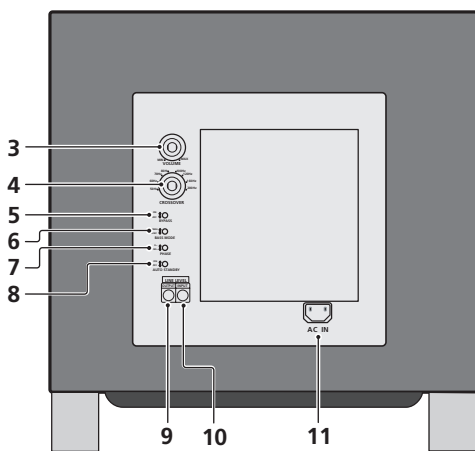
- Clean the surface by wiping with the provided polishing cloth, or with another soft, dry cloth.
- When the surfaces are very dirty, wipe with a soft cloth dipped in some neutral cleanser diluted five or six times with water, and wrung out well, and then wipe again with a dry cloth. Do not use furniture wax or cleaners.
- Never use thinners, benzine, insecticide sprays and other chemicals on or near this unit, since these will corrode the surfaces.

## PANEL FACILITIES

### FRONT PANEL



### REAR PANEL



#### 1 Power Indicator (STANDBY/ON)

Lights blue when the power has been switched ON. When AUTO STANDBY switch is set to ON, lights blue whenever the speaker receive an audio signal. If the power is switched OFF only briefly, the indicator lights blue when power is restored. If no signal is present for more than 12 minutes, the subwoofer automatically reverts to standby mode and the power indicator lights red. If, subsequently, a signal is received, power automatically comes back on and the power indicator lights blue.

#### NOTE:

- If you are planning on switching the unit OFF for a long period of time, make sure to check that the indicator light has gone out after switching OFF.

#### 2 Power switch (POWER)

When pressed, power is turned ON; when pressed again, power is turned OFF.

#### 3 Volume knob (VOLUME)

Sets the subwoofer volume.

- Turn the knob slowly from the MIN position.
- With this unit, the bass level can be independently set, so do not turn up the bass on the AV amplifier.

#### 4 Crossover knob (CROSSOVER)

When using the subwoofer, set the upper frequency limit for the subwoofer (**50 Hz, 60 Hz, 70 Hz, 80 Hz, 100 Hz, 120 Hz, 160 Hz, 200 Hz**) so that it complements the output from your other speakers. When using the bass management features of an AV receiver, set to **BYPASS ON** in order to use the low-pass filter of the AV receiver for high quality sound.

#### 5 Bypass switch (BYPASS)

When set to **ON**, the audio signal is routed directly to the woofer unit, bypassing the amplifier's filter.

#### 6 Bass mode switch (BASS MODE)

**MUSIC:** The characteristic frequencies become flat. Recommended for music sources.

**CINEMA:** Low frequencies are emphasized. Recommended for sources that require strong bass.

#### 7 Phase switch (PHASE 0° /180°)

When set to **180°**, the output phase becomes the reverse of the input signal, and when set to **0°**, it is in the same phase as the input signal.

- Normally, the switch is set to **0°**.  
But when the sound connection between the subwoofer and the left and right speakers sounds unnatural, try switching to **180°** and set the switch in the position where the sound is natural.
- When using two or more subwoofers together, make sure that the phase switch of all of them are set to the same position.

## 8 Auto Standby switch (AUTO STANDBY)

Switches the Auto Standby feature on/off.

When switched **ON** (the default setting is **OFF**), the Auto Standby feature becomes active. In this mode, if there is no input signal for 12 minutes the system automatically switches to standby. The power is automatically switched on again if an input signal is detected.

### NOTE:

- There may be cases where a connected component outputs noise or some other non-audio signal which causes this system to automatically power on when in Auto Standby mode. If this happens, switch off the Auto Standby mode and switch the system on/off manually.

## 9 Line Level Output terminal (LINE LEVEL OUTPUT)

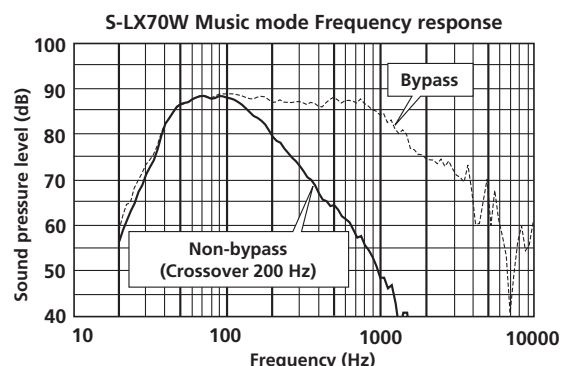
Used for connecting other equipment through the amplifier. The signal output from this jack is not affected in any way by the settings of the various controls on the unit.

## 10 Line Level Input terminal (LINE LEVEL INPUT)

Connect to the SUBWOOFER PREOUT terminal of an amplifier or receiver, with the specially provided RCA plug cord.

## 11 AC INLET

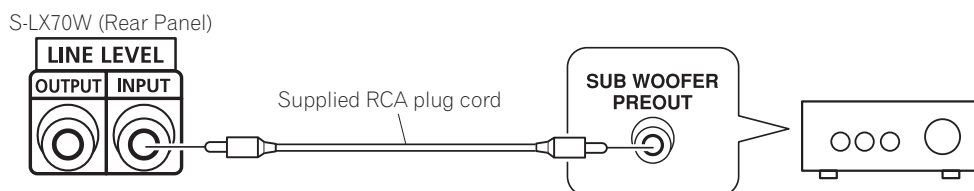
- Connect the power cord to the powered subwoofer unit's AC INLET.
- Connect the power cord to a AC socket.



# CONNECTIONS

Before making or changing any connections, switch off the power and disconnect both this unit and the amplifier/receiver from the AC outlet.

## LINE LEVEL CONNECTION



This connection is for an amplifier or receiver equipped with a **SUBWOOFER PREOUT** terminal. Connect to the **LINE LEVEL INPUT** terminal on this unit, using the specially provided RCA plug cord.

### NOTE:

- When connected to the **PREOUT** terminal for surround center channel on the amplifier or receiver, the bass is heard only on the center channel, so it will be insufficient.

# OPERATION

For details regarding operating part functions, refer to page 6.

### 1. Turn the POWER switch (2) ON.

- If the unit's power cord is connected to a switched AC outlet on the amplifier or receiver and the switch is left ON, the unit can be turned ON/OFF together with the amplifier or receiver.
- If the unit cannot be connected to the amplifier or receiver, turn the power to the amplifier or receiver ON before turning the power to the unit ON. When turning the power OFF, turn the power to the unit OFF before turning the power to the amplifier or receiver OFF.

### 2. Operate the amplifier or receiver and adjust the volume of the other speakers.

### 3. Adjust the volume of the bass with the VOLUME knob (3).

- When necessary, operate the **CROSSOVER** knob (4) and **PHASE** switch (7), and then adjust with the **VOLUME** knob (3). Set the **BASS MODE** switch (6) to either **MUSIC** or **CINEMA**.

### 4. Turn the POWER switch (2) OFF.

- The power indicator disappears.

# TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

SYMPTOM	CAUSE	REMEDY
1 No power is being supplied (Indicator does not light up when power switch is turned on.)	<ul style="list-style-type: none"> <li>Power supply plug is not correctly inserted.</li> </ul>	<ul style="list-style-type: none"> <li>Insert plug securely.</li> </ul>
2 No sound (Indicator is lit.)	<ul style="list-style-type: none"> <li>Connection of accessory RCA plug cord is wrong or disconnected.</li> <li><b>VOLUME</b> knob is set to <b>MIN.</b></li> </ul>	<ul style="list-style-type: none"> <li>Check again and connect correctly.</li> <li>Turn clockwise slowly.</li> </ul>
3 Sound is distorted.	<ul style="list-style-type: none"> <li>Level is too high.</li> <li>Input level is too high.</li> </ul>	<ul style="list-style-type: none"> <li>Turn the <b>VOLUME</b> knob counter-clockwise to lower the level.</li> <li>Turn the amplifier's output level (volume, bass control, bass boost) counter-clockwise to lower the level.</li> </ul>
4 Howling noise occurs.	<ul style="list-style-type: none"> <li>No power supplied to the amplifier.</li> <li>Subwoofer level is set too high.</li> </ul>	<ul style="list-style-type: none"> <li>Connect an amplifier and supply power.</li> <li>Place the subwoofer a good distance from speakers. Turn the <b>VOLUME</b> knob counter-clockwise to lower the volume.</li> </ul>
5 Much noise when listening to AM or FM broadcasts.	<ul style="list-style-type: none"> <li>The AM loop antenna or the FM indoor antenna is close to this unit.</li> </ul>	<ul style="list-style-type: none"> <li>Increase the distance between the AM or FM antenna (for indoor use) and this unit.</li> </ul>

# SPECIFICATIONS

Cabinet ..... Floor type with CLOSED BOX system (magnetically shielded)

Speaker.....30 cm cone type

Frequency response .....25 Hz to 4000 Hz (set to BYPASS ON)

Power Amplifier Continuous Power Output (RMS) ..... 300 W/4  $\Omega$  (100 Hz)

Input (sensitivity at 100 Hz/impedance)

LINE LEVEL (RCA jack)..... 160 mV/33 k $\Omega$

Output (Level at 100 Hz/impedance)

LINE LEVEL (RCA jack)..... 160 mV/1 k $\Omega$

Selectable CROSSOVER Frequencies

.....50 Hz, 60 Hz, 70 Hz, 80 Hz, 100 Hz, 120 Hz, 160 Hz, 200 Hz

Outline Dimension

..... 362 mm (W) x 365 mm (H) x 362 mm (D)

Weight (without package)..... 18.2 kg

Power Requirements

Taiwanese model ..... 110 V~, 50 Hz/60 Hz

All other models.....220 V to 240 V~, 50 Hz/60 Hz

Power Consumption..... 90 W

Power Consumption in standby..... 1.0 W

Accessories..... RCA plug cord x 1  
Power cable x 1  
Polishing cloth x 1  
Warranty card x 1  
Operating instructions

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

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is a trademark placed on a product with Pioneer's Phase Control Technology. The Technology enables high-grade 5.1ch with no delay in the bass area.



## 重要



等邊三角形內帶有箭頭的閃電符號旨在引起用戶警惕，因本產品機殼內有無絕緣“危險電壓”，可能很大程度造成觸電的危險。

## 小 心

有電擊的危險  
請勿打開



### 注意

為避免觸電危險，請勿拆卸蓋子（或背面板）。機內沒有可供用戶自行修理的零部件。維修事宜交由有資格的維修人員進行。

等邊三角形內的感嘆號旨在提醒用戶注意本機附帶的資料中有關操作和維護（修理）的重要說明。

D3-4-2-1-1\_ChH

銘謝購買日本先鋒公司產品。如您要知道本型機器如何正確操作時，煩請熟悉以下的操作手冊。並在讀完後，請放在安全的地方保管，以備後日參考用。

## 警告

本機不防水。為防止起火或觸電事故，請勿將本機置放於任何承裝液體的容器（如花瓶或花盆）附近或將其暴露於漏水、濺水、雨中或潮濕環境中。

D3-4-2-1-3\_A\_ChH

## 警告

第一次插置電源前，請仔細閱讀下列部分：

電源供給的電壓因國家或地區而異。請確認本機使用之地區的電源供給電壓符合本機後面板上所寫之電壓〔230 V或120 V〕要求。

D3-4-2-1-4\_A\_ChH

## 警告

為防止火災，請勿將明火源（如點燃的蠟燭）放置於本機上。

D3-4-2-1-7a\_A\_ChH

## 通風注意事項

安裝本機時，請確定在本機四周預留足夠的空間以利通風（頂部 25 cm、背面 15 cm、及兩側 10 cm 以上）。

## 警告

機殼上具有之縫隙及開口用於通風，以確保本產品之正常操作並防止過熱。為避免火災，請勿堵塞開口或用物品（如報紙、桌布、簾幕）將其覆蓋，也請勿在厚毯或床上操作本機。

D3-4-2-1-7b\_B\_ChH

## 警告

請勿攀登到本機上面或坐在其上面。當小孩在周圍時，更需特別注意。本機可能會損壞或翻倒，從而導致受傷。

## 操作環境

操作環境溫度與溼度：

+5 °C 至 +35 °C (+41 °F 至 +95 °F)；小於 85 %RH（勿堵塞冷卻孔）  
請勿在通風不良處、暴露於高溼度或陽光直射（或強烈的人造光源）的場所安裝本機。

D3-4-2-1-7c\_A\_ChH

若本機之交流電源插頭與您欲使用的交流電源插座不符，請拆下插頭並換上合適的。僅可由專業技術人員於本機的電源供給電纜上更換及安裝交流電源插頭。若在連接至交流電插座上時切斷插頭，可能導致觸電。請確認插頭於移除後已予妥善處理。

當本機處於長時間未使用之情形（如假期中）時，請將主電源插頭自牆上插座拔除以切斷電源。 D3-4-2-2-1a\_A\_ChH

### 注意

本機POWER開關不完全將電源自交流電插座切斷。因電源線為本機主要電源切斷裝置，您需要將插頭拔除以切斷所有電力。因此，請確認本機安裝時電源線可輕易自交流電插座拔除以防止意外。為防止火災，當本機處於長時間未使用之情形（如假期中）時，請將主電源插頭自牆上插座拔除以切斷電源。

D3-4-2-2-2a\_A\_ChH

## 電源線注意事項

請手持插頭部分挪動電源線。拔下插頭時勿拉拽電源線，且勿用濕手去碰電源線，因為這樣可能會導致短路或電擊。勿將本裝置、家具或其他物件壓在電源線上，或以其他方式擠壓電源線。切勿將電源線打結或和其他的線綁縛。電源線的佈線應防止被人踩在上面。電源線受損可能會導致火災，或造成人員觸電。經常檢查電源線。如果您發現電源線受損，請就近至先鋒公司授權維修中心或銷售商進行更換。

S002\_ChH

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## 配件



• RCA 插頭連接線 × 1

- 電源線 × 1
- 拋光布 × 1
- 保證卡 × 1
- 操作手冊

## 功能與特色

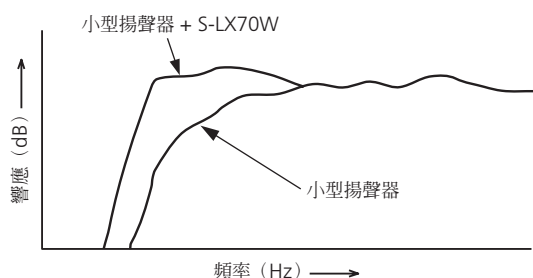
- 300 W (RMS) 高功率 D 級擴大器，能提供如同 Dolby\* Digital 此種具有寬廣動態範圍的音頻及視頻軟體播放。
- 搭配 30 cm 的音效驅動裝置 (driver)。
- 交頻可以設置到 50 Hz、60 Hz、70 Hz、80 Hz、100 Hz、120 Hz、160 Hz、200 Hz。
- 具備低音模式選擇器 (音樂/劇院模式)。

\* 由 Dolby Laboratories 授權製造。「杜比」 「Dolby」與雙 D 標誌是 Dolby Laboratories 的商標。

## 結合揚聲器運用

結合了小型揚聲器的 S-LX70W 其頻率特性如下圖所示。如圖中所示，低頻範圍明顯獲得改善。

- 這些獨特的特性均是在無迴音室內所測得的結果。只要安放的位置妥當，在一般聆聽室內加裝 S-LX70W 重低音，便可以產生比圖表顯示更棒的效果。



- 在播放 Dolby\* Digital 杜比數位音效時，建議您採用重低音來建立效果特殊的聲道；而在播放 LFE 音效（低頻效果：此種音效有如來自地表的隆隆聲，功用在於加強影像所帶來的震撼力）時，S-LX70W 重低音能讓效果更具震撼有力。

### Dolby\* Digital

Dolby Digital 指的是自 Dolby Surround 中所開發出來的 Dolby Surround 多聲道數位系統的名稱，亦即是 Dolby Pro Logic Surround 的延續。

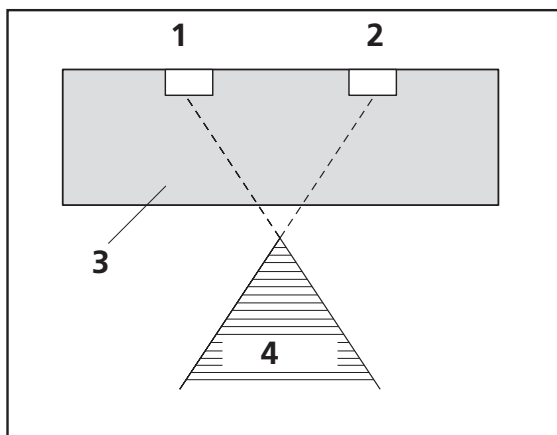
Dolby Digital 亦可視為是一種 5.1 聲道系統。這是因其擁有頻率範圍在 20 Hz 至 20 kHz 內的五種聲道（分別是左前置、右前置、中置、左後置以及右後置）以及一重低音的獨立聲道。重低音聲道亦可視為是一種 LFE（低頻效果）。

此種 LFE 聲道的使用可根據個人品味來加強低音效果。

# 安裝

## 揚聲器安裝

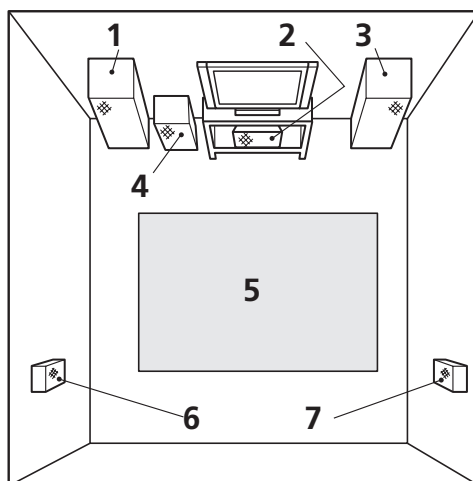
- 重低音安裝標準
- 1 左置揚聲器
- 2 右置揚聲器
- 3 重低音建議安裝距離
- 4 聆聽位置



重低音是透過單聲道的方式來播放低音，實際上人類耳朵對於低調（low-pitched）音效傳來的方向不會太過敏感。也因此，重低音幾乎可以安裝在任何地方。然而，如果安裝位置相距太遠，其他揚聲器的音效亦可能會變得不自然。

### 揚聲器安裝位置之範例

- 1 左前置揚聲器
- 2 中置揚聲器
- 3 右前置揚聲器
- 4 重低音揚聲器
- 5 聆聽位置
- 6 左後置揚聲器
- 7 右後置揚聲器



### 附註：

- 爲了能夠避免干擾附近的電視畫面，請採用經過防磁處理（magnetically shielded）的揚聲器系統。中置揚聲器位置通常最接近電視機，因此這點相當重要。
- 請將左聲道與右聲道的揚聲器擺在電視機兩側距離相同的位置上，同時彼此應相距 1.8 m。
- 請將中置揚聲器安裝在電視機的上方或下方，如此才能讓中置聲道的音效彷彿就從電視畫面傳出來一樣。
- 當將後置（環繞）揚聲器直接相互平行地置放在聆聽者的兩側，或稍微後方一點的位置，高度大約在聆聽者耳朵上方 1 m 的地方，這會是最有效果的安裝方式。

### 注意：

當要將中置揚聲器安裝在電視機上方，請確實利用膠帶或其他一些合適的方式將其固定。不然，揚聲器可能會因為受到地震等外力震動而掉落下來，導致附近的人受傷或揚聲器因此而受損。

## 安裝注意事項

- 請將本機安裝在溫度及濕度不致過高且通風良好的地方。
- 請勿將本機擺放在烤箱或其他加熱設備附近，或陽光會直射到的地方，以免對外箱及內部零件造成不利影響。另外，請勿將本機安裝在灰塵太多或濕氣太重的地方，以免功能異常或發生故障。（請避免將本機安放在餐桌上或其他暴露在熱氣、蒸汽及油煙下的地方。）
- 請勿將笨重或大型的物體放置於本機上。這樣做會導致本機掉落，從而造成損壞或人體受傷。若揚聲器從安裝位置掉下，將會使其面層發生無法修復的裂痕。
- 請儘量避免將本機放在錄音機座等對磁場敏感設備的附近。

本揚聲器系統採防磁處理。

然而，仍需視安裝的位置而定，揚聲器系統如安裝得太靠近電視機螢幕時可能會造成色彩失真。

如果發生這種現象，請按下電源開關將電視機關閉，然後過 15 至 30 分鐘後再打開。

如果問題仍在，請將揚聲器系統遠離電視機擺放。

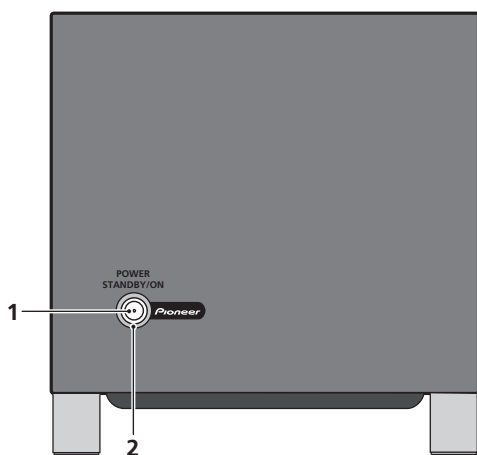
- 請勿將本機放置於不穩定表面，否則將會導致本機跌落，從而造成損壞或人體受傷。
- 請勿將裝有液體的杯子、玻璃或其他容器放在本機上，因為如果液體溢出時，本機將會受到損壞。
- 所選擇的安裝位置必須有堅固的地板表面。避免將揚聲器安裝在長毛地毯上，因為地毯會碰到驅動器的振動膜，從而導致聲音失真。
- 請將本機遠離調諧器天線擺放，以免安裝位置太過接近天線而產生雜音。此時，使用本機請遠離天線，或在不需要播放重低音時關閉本機電源。

#### 外觀保養

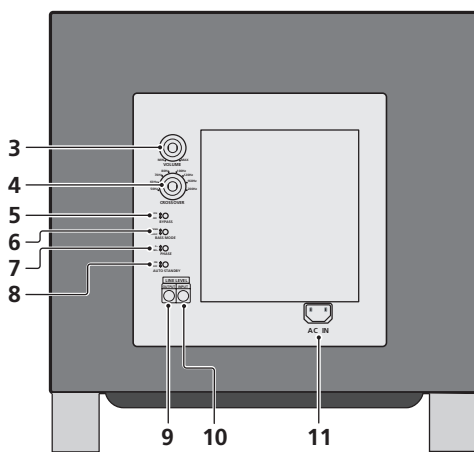
- 請用隨附的拋光布或其他細布、乾布來擦拭表面。
- 外表很髒時，請用軟布沾上一些五倍清水稀釋的中性清潔劑徹底擰乾後擦拭，接著以乾布再擦拭一次。請勿使用傢俱蠟或清潔劑。
- 嚴禁在本機上面或其附近使用稀釋劑、揮發油、除蟲噴劑或其他化學物品，以免腐蝕表面。

## 面板設備

### 前面板



### 後面板



#### 1 電源指示燈 (STANDBY/ON)

電源打開時，會亮起藍燈。AUTO STANDBY（自動待機）開關打開時（ON），每當揚聲器接收到音頻信號，就會亮起藍燈。如果電源關閉時間短暫，電源在接通時，指示燈會亮起藍燈。如果超過 12 分鐘仍無信號出現，重低音揚聲器會自動轉換為待機模式，而電源指示燈則會亮起紅燈。其後，如果接收到，電源會自動接通，而電源指示燈也就亮起藍燈。

#### 附註：

- 如果您準備長時間關掉本機，則請確認電源關閉後指示燈已經熄滅。

#### 2 電源開關 (POWER)

按下此鍵可打開電源；再按時，則可關閉電源。

#### 3 音量調整鈕 (VOLUME)

可設定重低音的音量。

- 請從最低音量（MIN）的位置慢慢轉動旋鈕。
- 使用本機，低音位準可以獨立設置，因此不必將影音擴大器上的低音音量提高。

#### 4 分頻旋鈕 (CROSSOVER)

使用重低音時，請設定好頻率上限（50 Hz, 60 Hz, 70 Hz, 80 Hz, 100 Hz, 120 Hz, 160 Hz, 200 Hz），以便能夠補償其他揚聲器的輸出。當使用到影音接收機的低音管理功能，請將其設定為 **BYPASS ON**，以便有機會使用影音接收機的低通濾波器（low-pass filter）來提高音效品質。

#### 5 略過濾波開關 (BYPASS)

設定在 **ON** 時，音頻信號會直接傳送至低音揚聲器上，而略過擴大器的濾波裝置。

#### 6 低音模式開關 (BASS MODE)

**MUSIC**：特性頻率均會呈現較低的狀態。建議可用於音樂來源。

**CINEMA**：低階頻率會加強。建議可用在對重低音有需求的來源。

## 7 相位開關 (PHASE 0°/180°)

設定為 **180°** 時，輸出的相位會呈現出與輸入信號反向，而設定為 **0°** 時，則會呈現出與輸入信號同向。

- 一般來說，此開關會設定在 **0°** 的位置。  
但當重低音與左、右置揚聲器之間的音效連結呈現出不自然的情形時，請嘗試切換至 **180°**，並將開關設置於音效自然的位置。
- 當將兩只以上的重低音一起使用，請確定這些重低音的相位開關均設定在相同的位置。

## 8 自動待機開關 (AUTO STANDBY)

用於打開或關閉自動待機裝置。

打開開關時 (**ON**) (默認設置為 **OFF**)，自動待機裝置將被激活。在此模式下，如果在 12 分鐘內沒有輸入信號，該系統會自動切換到待機。如果檢測到輸入信號，電源將自動再接通。

附註：

- 在自動待機模式下，如果所連接的部件輸出噪音或其他非音頻信號，也可能會導致本系統自動接通電源。在此情況下，請關閉自動待機模式，並用手動方式打開或關閉本系統。

## 9 線路位準輸出端子 (LINE LEVEL OUTPUT)

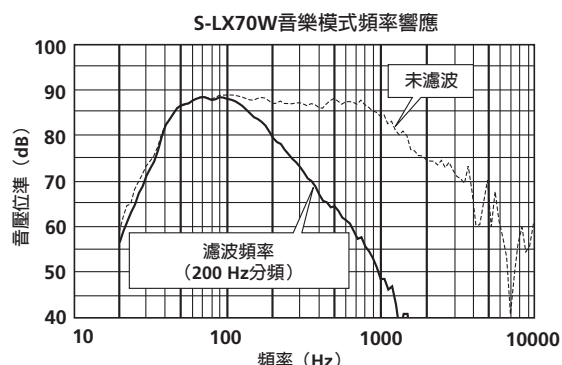
用於透過擴大器來連接其他設備。此插孔的信號輸出可藉由本機上各種控制的設定讓其不會受到任何影響。

## 10 線路位準輸入端子 (LINE LEVEL INPUT)

利用特別附贈的 RCA 插頭連接線來連接擴大器或接收器的 SUBWOOFER PREOUT (重低音前置輸出) 端子。

## 11 AC IN

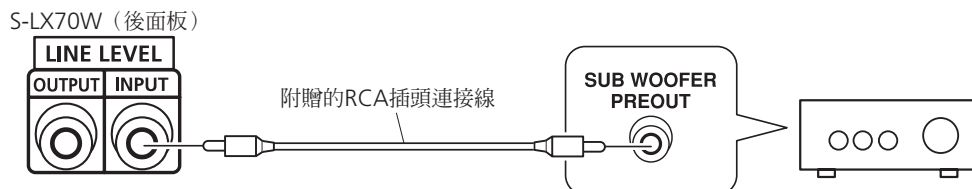
- 將電源線連接於供電的重低音揚聲器的 AC IN。
- 將電源線連接於 AC 插座。



# 接線

進行或變更任何接線之前，請先關閉電源，並拔除 AC 插座上本機及擴大器／接收機的連接線。

## 線路位準接線



此種接線方式適用於配備 **SUBWOOFER PREOUT** (重低音前置輸出端子) 的擴大器或接收機。請利用特別附贈的 RCA 插頭連接線連至本機上的 **LINE LEVEL INPUT** (線路位準輸入) 端子。

附註：

- 在連接至擴大器或接收機上專為提供環繞中置聲道的前置輸出 (**PREOUT**) 端子時，只能從中置聲道聽到低音效果，以這樣來說效果是不夠的。

# 操作

有關操作功能部份的詳細說明請參閱第 6 頁。

## 1. 打開電源 (POWER) 開關 (2)。

- 如果本機的電源線是連接至擴大器或接收機上的開關式 AC 輸出插座，且開關在 **ON** (開) 的位置時，那麼便可將擴大器或接收機與本機一起打開 / 關閉。
- 如果本機無法連接至擴大器或接收機上，那麼請先打開擴大器或接收機，然後再打開本機電源。在關閉電源時，請關閉本機電源，然後再關閉擴大器或接收機電源。

## 2. 操作擴大器或接收機並調整其他揚聲器的音量。

## 3. 利用音量 (VOLUME) 調整鈕 (3) 調整低音的音量。

- 必要時，請操作分頻 (**CROSSOVER**) 鈕 (4) 及相位 (**PHASE**) 開關 (7)，然後再利用音量 (**VOLUME**) 調整鈕 (3)。將低音模式 (**BASS MODE**) 開關 (6) 設定在 **MUSIC** 或 **CINEMA** 的位置。

## 4. 關閉電源 (POWER) 開關 (2)。

- 電源指示燈熄滅。

# 故障排除

人們經常錯將操作不當認為是系統故障或異常。如果您覺得本機有那裏不對勁，便請按以下各點進行檢查。有時問題可能是來自其他裝置。請仔細檢查其他使用中的裝置和電器設備。如果在查證過以下各點後問題仍未改善，則就近洽請您的 PIONEER 授權服務中心或經銷商前來維修。


癥狀	原因	排除辦法
1 沒有電源供應 (指示燈在轉開電源開關時沒亮。)	• 電源插頭未正確插好。	• 確實將插頭插好。
2 沒有聲音 (指示燈亮。)	• 附件 RCA 插頭連接線的連接錯誤或未連接。 • 音量 ( <b>VOLUME</b> ) 調整鈕設定在最低音量 ( <b>MIN</b> ) 的位置。	• 請再檢查一次並正確接上。 • 順時針慢慢轉動。
3 聲音失真。	• 位準太高。 • 輸入位準太高。	• 反時針轉動音量 ( <b>VOLUME</b> ) 調整鈕以降低位準。 • 反時針轉動擴大器的輸出位準 ( 音量、低音控制、低音加重 ) 以降低位準。
4 發出咆哮聲。	• 無電源供應到擴音器。 • 重低音位準設定太高。	• 連接擴音器並供電。 • 將重低音放在與揚聲器距離適當的位置上。反時針轉動音量 ( <b>VOLUME</b> ) 調整鈕以降低音量。
5 聆聽 AM 或 FM 廣播時雜音太多。	• AM 環型天線或 FM 室內天線與本機太過接近。	• 增加 AM 或 FM 天線 ( 室內用 ) 與本機之間的距離。

# 規格

機箱 ..... 附有 CLOSED BOX( 封閉箱 ) 系統的落地式  
( 磁屏蔽 )  
揚聲器 ..... 30 cm 圓錐體型  
頻率響應 ..... 25 Hz 至 4000 Hz ( 設置於 BYPASS ON )  
功率擴大器持續功率輸出 (RMS)  
..... 300 W/4 Ω (100 Hz)  
輸入 ( 100 Hz / 阻抗下之靈敏度 )  
線路位準 ( RCA 插孔 ) ..... 160 mV/33 kΩ  
輸出 ( 100 Hz / 阻抗下之位準 )  
線路位準 ( RCA 插孔 ) ..... 160 mV/1 kΩ  
可選擇分類 ..... 50 Hz, 60 Hz, 70 Hz, 80 Hz,  
100 Hz, 120 Hz, 160 Hz, 200 Hz  
外部尺寸  
..... 362 mm ( 寬 ) × 365 mm ( 高 ) × 362 mm ( 深 )  
重量 ( 不含外包裝 ) ..... 18.2 kg  
電源需求  
台灣機型 ..... 110 V ~ , 50 Hz/60 Hz  
其他機型 ..... 220 V 至 240 V ~ , 50 Hz/60 Hz  
功率消耗 ..... 90 W  
待機時的功率消耗 ..... 1.0W

配件 ..... RCA 插頭連接線 × 1  
電源線 × 1  
拋光布 × 1  
保證卡 × 1  
操作手冊  
規格與設計如因改良而有所變動時，恕不另行通知。

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 是採用先鋒相位控制技術的產品上的商標。  
此項技術使高級 5.1 聲道變成可能，且在低音區毫無遲延。

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