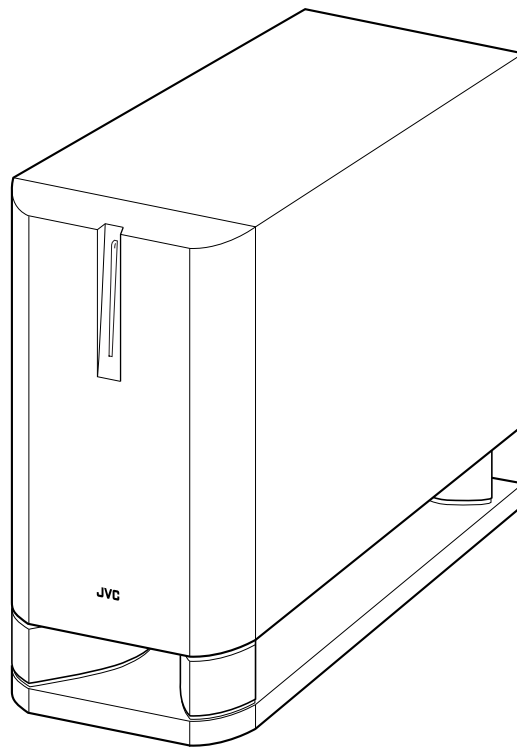


# JVC



## POWERED SUBWOOFER

# SP-DW103



## INSTRUCTIONS

**For Customer Use:**

Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

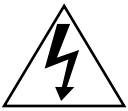
Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

LVT1030-001A

[J]

# Warnings, Cautions, and Others/ Mises en garde, précautions et indications diverses



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.



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.

**WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

## CAUTION

To reduce the risk of electrical shocks, fire, etc.:

1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

## ATTENTION

Afin d'éviter tout risque d'électrocution, d'incendie, etc.:

1. Ne pas enlever les vis ni les panneaux et ne pas ouvrir le coffret de l'appareil.
2. Ne pas exposer l'appareil à la pluie ni à l'humidité.

## ■ Caution—POWER switch

This apparatus is provided with the POWER switch to minimize power consumption for safe use. Therefore,

1. Before doing initial settings, complete all the connections required, connect the mains plug into the wall outlet, then set the POWER switch to ON [ I ].
2. When not in use, set the POWER switch to OFF [ O ].  
This disconnects the mains line.

## ■ Précaution—Interrupteur POWER

Cet appareil possède un interrupteur POWER permettant de réduire la consommation électrique et d'assurer une utilisation en toute sécurité. Par conséquent:

1. Avant de réaliser les réglages initiaux, effectuez toutes les connexions nécessaires, connectez la fiche d'alimentation sur une prise secteur murale, puis mettez l'interrupteur POWER sur la position ON [ I ].
2. Quand l'appareil n'est pas utilisé, mettez l'interrupteur POWER sur la position OFF [ O ].  
De cette façon, l'appareil est déconnecté du secteur.

## For U.S.A

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the manufacturer for compliance could void the user's authority to operate the equipment.

## For Canada/pour le Canada

**CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT

**ATTENTION:** POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND

THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS AS SET OUT IN THE INTERFERENCE-CAUSING EQUIPMENT STANDARD ENTITLED "DIGITAL APPARATUS," ICES-003 OF THE DEPARTMENT OF COMMUNICATIONS. CET APPAREIL NUMERIQUE RESPECTE LES LIMITES DE BRUITS RADIOELECTRIQUES APPLICABLES AUX APPAREILS NUMERIQUES DE CLASSE B PRESCRITES DANS LA NORME SUR LE MATERIEL BROUILLEUR; "APPAREILS NUMERIQUES", NMB-003 EDICTEE PAR LE MINISTRE DES COMMUNICATIONS.

## ■ Precautions for installation

- To prevent deformation or discoloration of the cabinet, do not install the unit where it is exposed to direct sunlight or high humidity, and avoid installation near air conditioning outlets.



- Speaker vibrations may cause howling. Place the unit as far away from the player as possible.



- Take the occurrence of earthquakes or other physical shocks into consideration when selecting the installation place, and secure the unit thoroughly.



- This unit is magnetically shielded to avoid color distortions on TVs. However, if not installed properly, it may cause color distortions. So, pay attention to the following when installing the unit.
  - When placing this unit near a TV set, turn off the TV's main power switch or unplug it before installing this unit.

Then wait at least 30 minutes before turning on the TV's main power switch again.

Some TVs may still be affected even though you have followed the above. If this happens, move this unit away from the TV.

- Tuner reception may become noisy or hissing if this unit is installed nearby the tuner. In this case, leave a more distance between the tuner and this unit or use an outdoor antenna for better tuner reception without interference from this unit.

## ■ Precautions for Daily Use

- **To maintain the appearance of the unit**

Wipe with a dry, soft cloth if the cabinet or control panel should become dirty.

If very dirty, apply a small amount of water or neutral detergent to the cloth and wipe clean. Then wipe with a dry cloth.

- **To improve the sound field**

If the speakers are facing a solid wall or glass door, etc., it is recommended to furnish the wall with materials that absorb sounds, for example by hanging up thick curtains, to prevent reflections and standing waves.



## ■ Checking the Supplied Accessories

Check to be sure you have the following supplied accessories.

The number in parenthesis indicates the quantity of the piece supplied.

- **Monaural audio cord (1)**



If the item mentioned above is missing, contact your dealer immediately.

## CONTENTS

Warnings, Cautions and Others .....	2
<b>Connections</b> .....	<b>4</b>
Checking Your Amplifier .....	4
Connecting to the Amplifier .....	4
<b>Operations</b> .....	<b>6</b>
<b>Additional Information</b> .....	<b>8</b>
Speaker layout .....	8
Troubleshooting .....	9
Specifications .....	9

## Connections

### Checking Your Amplifier

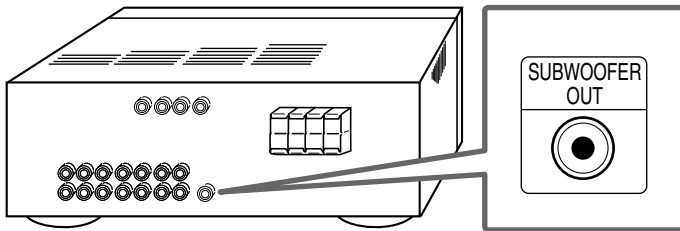
Before connecting this unit to your amplifier (or receiver), check what types of connecting terminals your amplifier has.

Follow the instructions below to find a proper connection method for your equipment.

- Illustrations of jacks and terminals in this manual may be different from the ones actually used for your amplifier. The illustrations are of the most used type.

#### First check whether your amplifier has a subwoofer output jack.

It is usually named and printed as the "SUBWOOFER OUT" or "SUBWOOFER."

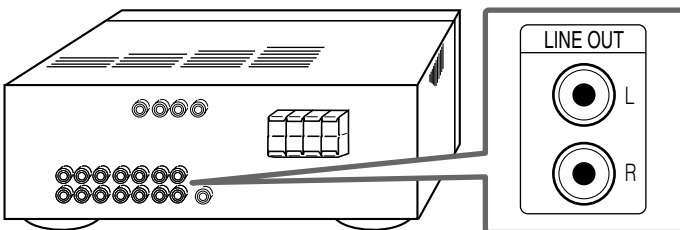


If you find it on your amplifier, follow **Connecting Method A**.

If you cannot find any

#### Next check whether your amplifier has line output jacks.

They are usually named and printed as "LINE OUT" or "LINE OUTPUT."

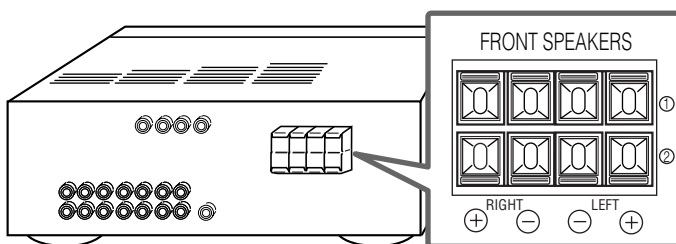


If you find them on your amplifier, follow **Connecting Method B**.

If you cannot find any

#### Follow **Connecting Method C**.

This connection can be used for any amplifier, by connecting the front speaker terminals of the amplifier (usually named and printed as "FRONT SPEAKERS" or "MAIN SPEAKERS").



### CAUTION

Before connecting this unit to the amplifier (or receiver), observe the following carefully.

- Before connecting this unit to an amplifier, turn off the amplifier first.
- Make all connections before plugging in this unit.
- DO NOT use the INPUT 1 (LOW-LEVEL) and INPUT 2 (HIGH-LEVEL) terminals on the rear of this unit at the same time; otherwise, noise will be heard and may damage the unit.
- DO NOT connect this unit to the REC OUT jacks of your amplifier.

### Connecting to the Amplifier

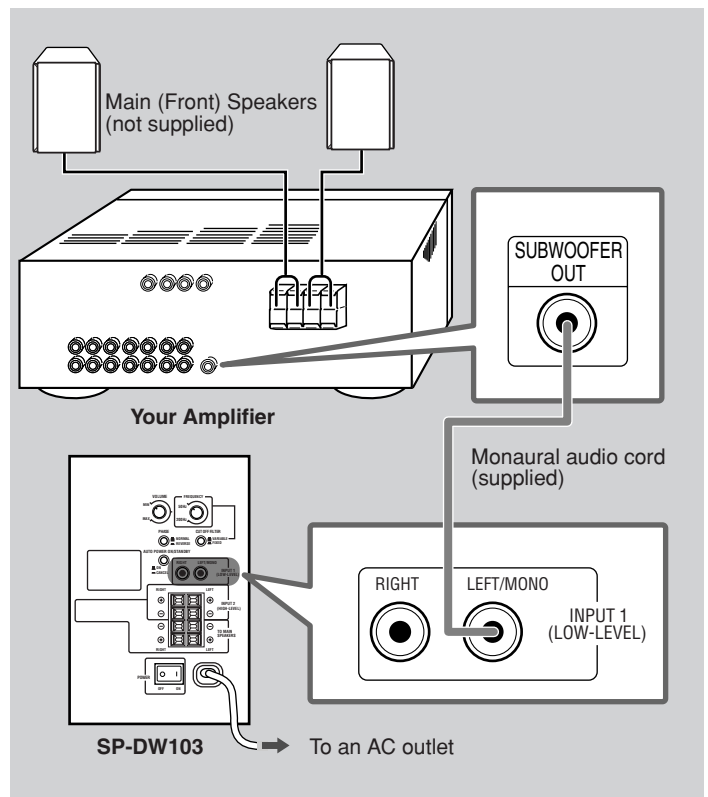
When connecting to your amplifier (or receiver), refer also the manual supplied for your equipment.

#### ■ Connecting Method A

Connect an amplifier having a subwoofer output jack to the LEFT/MONO jack of the INPUT 1 (LOW-LEVEL) terminal.

#### Preparation:

Use the supplied monaural audio cord.



### MEMO

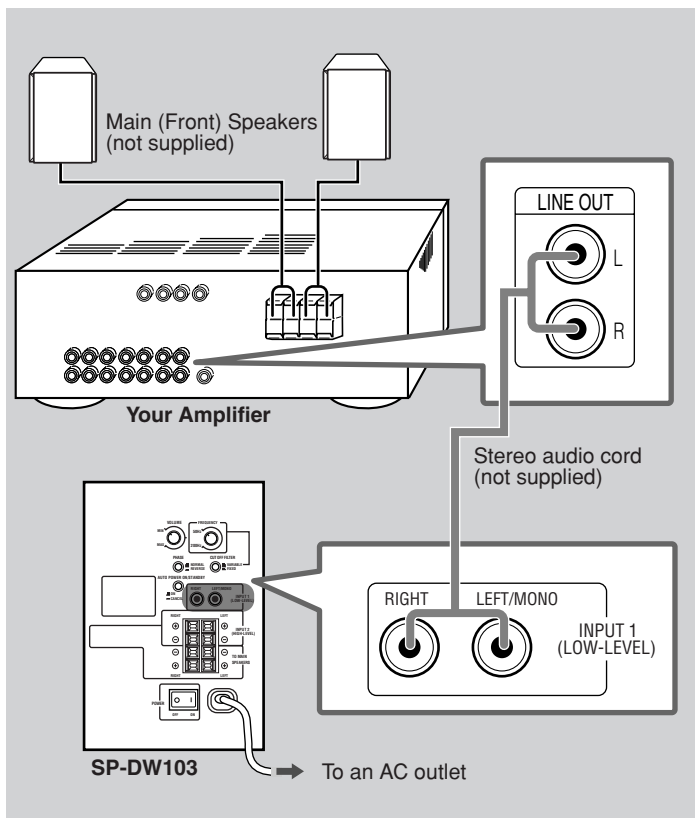
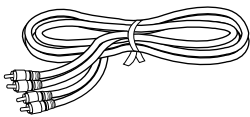
When using **Connecting Method A**, no signal comes out of the TO MAIN SPEAKERS terminal.

## ■ Connecting Method B

Connect an amplifier having line output jacks to the INPUT 1 (LOW-LEVEL) terminal.

### Preparation:

Purchase a stereo audio cord at an audio shop or electric shop.



### MEMO

If your amplifier has only a monaural line output (MONO) jack, connect it to the LEFT/MONO jack of the INPUT 1 (LOW-LEVEL) terminal (see **Connecting Method A**).

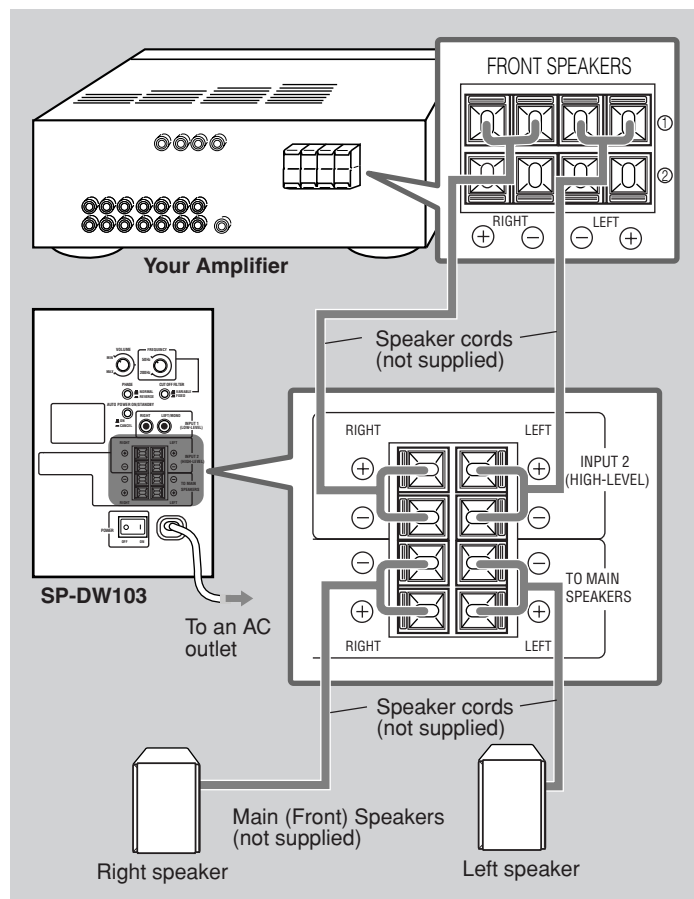
## ■ Connecting Method C

Connect an amplifier without a subwoofer output jack and line output jacks to the INPUT 2 (HIGH-LEVEL) terminal.

- When this method is used, connect your main (front) speakers to the TO MAIN SPEAKERS terminal on the rear of this unit.

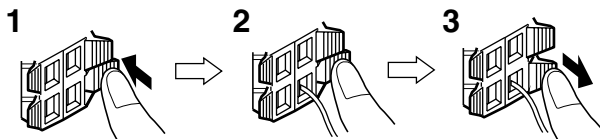
### Preparation:

Purchase speaker cords at an audio shop or electric shop.



### How to connect the speaker cords:

- Press and hold the clamp of the speaker terminal.
- Insert the end of the speaker cord into the terminal as illustrated below.
  - Match the polarity of the speaker terminals:  $\oplus$  to  $\oplus$  and  $\ominus$  to  $\ominus$ .
- Release the finger from the clamp.

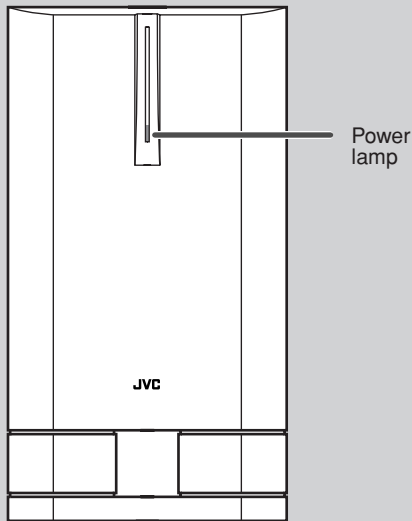


### CAUTION

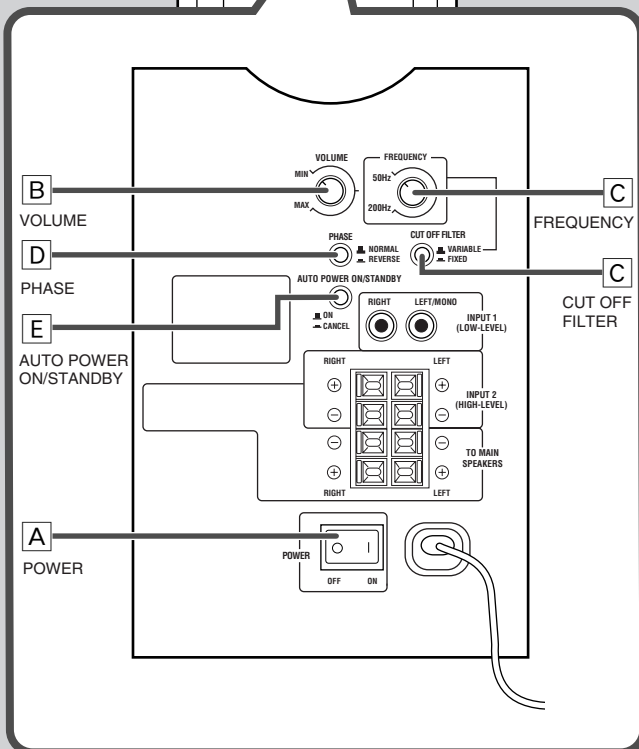
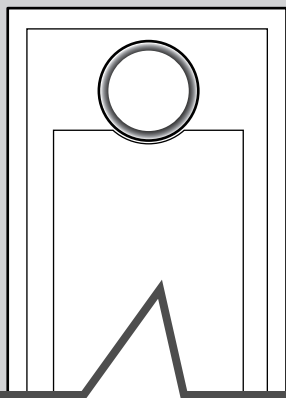
- When you connect main (front) speakers to the TO MAIN SPEAKERS terminal, use the speakers within the impedance range indicated by the amplifier connected to the INPUT 2 (HIGH-LEVEL) terminal. If not, the amplifier connected to the INPUT 2 (HIGH-LEVEL) terminal may malfunction and be damaged.
- DO NOT connect more than one speaker to one speaker terminal.

# Operations

Front view



Rear view

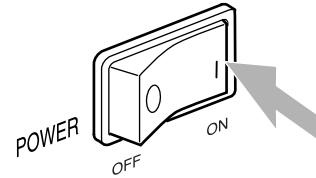


## Turning On the Power—POWER **A**

Press the ON [ I ] portion of the POWER switch.

The main power turns on and the power lamp in the front panel lights in green.

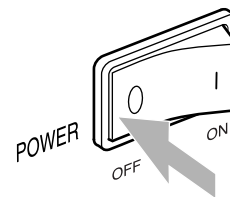
- The power lamp lights in red when the Auto Power On/Standby places the unit into standby mode (see page 7).



To completely cut off the power to this unit

Press the OFF [ O ] portion of the POWER switch.

This will disconnect the mains lead.

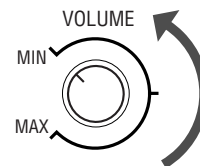


## Adjusting the Volume—VOLUME **B**

Adjust the volume output level through this unit while comparing with the sounds coming out of the main (front) speakers.

- Once you have adjusted the volume output level of this unit, you do not need to adjust it each time you use this unit. Adjusting the volume level on the connected amplifier will also adjust the volume level through this unit.

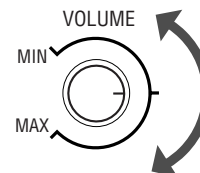
**1** Turn the VOLUME knob to the MIN position.



**2** Turn on the connected amplifier and start playing a source.

Playback sounds come out of the main (front) speakers and this unit.

**3** Adjust the VOLUME knob to obtain a well-balanced sound level with that of the main (front) speakers.



### CAUTION

If the volume is set at a high level before starting play, the sudden blast of sound energy can permanently damage your hearing and/or ruin your speakers.

## Adjusting the Crossover Frequency

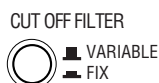
### —CUT OFF FILTER and FREQUENCY [C]

You can adjust the crossover frequency to determine the bass sound level this unit handles.

- Once it is set, only the sounds below the frequency come out of the built-in speaker.

#### ■ When the main speakers in use are JVC's SX-XD33

Press in the CUT OFF FILTER button to set it to the **FIX** position.

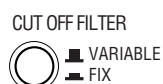


- The FREQUENCY knob is deactivated.
- When your amplifier is equipped with crossover frequency setting, set it within the range of 100 Hz to 150 Hz.
- When your amplifier is equipped with speaker size setting, select "small."

#### ■ If your amplifier is not provided with a crossover frequency setting:

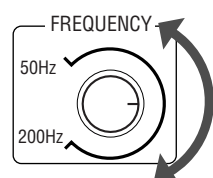
##### 1 Press out the CUT OFF FILTER button to set it to the **VARIABLE** position.

Now the FREQUENCY knob is activated and you can adjust the crossover frequency on this unit.



##### 2 Turn the FREQUENCY knob to obtain the best matching crossover frequency with your main speakers.

Adjust the frequency (50 Hz to 200 Hz) while listening to playback sound coming out of both the main speakers and this unit.



- If your main speakers can reproduce the bass sound well, adjust the frequency at a lower level.
- If you feel bass sounds are not sufficient, adjust the frequency at a higher level.

## Changing the Phase—PHASE [D]

You can change the sound phase to match your preference. Select either "NORMAL" or "REVERSE" to obtain a better bass sound.

Press in or out the PHASE button to select either the **NORMAL** position or the **REVERSE** position.

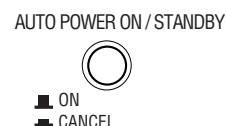


- **NORMAL** : Normally select this.
- **REVERSE** : Select this when you feel the bass sound is better with this mode rather than with "NORMAL."

## Operating the Unit Automatically According to the Incoming Signals—AUTO POWER ON/STANDBY [E]

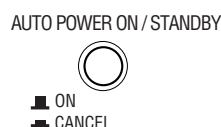
By using this function, this unit automatically enters standby mode even though the POWER switch is turned ON [I].

Press the AUTO POWER ON/STANDBY button to the **ON** position.



- If no sound comes in for about 10 minutes, the unit automatically enters standby mode. The power lamp lights in red. Then if the unit detects incoming signals, this unit starts operating automatically (the power lamp now lights in green).

If Auto Power On/Standby does not work correctly (see "MEMO" below), press out the AUTO POWER ON/STANDBY button to set it to the **CANCEL** position. Auto Power On/Standby is canceled.



### MEMO

When the volume level of the amplifier is so low or the incoming signals are so weak that this unit cannot detect sounds, Auto Power On/Standby may not work correctly.

- This unit may enter standby mode even though signals are coming in.
- This unit may not start operating after entering standby mode, even though signals start coming in.

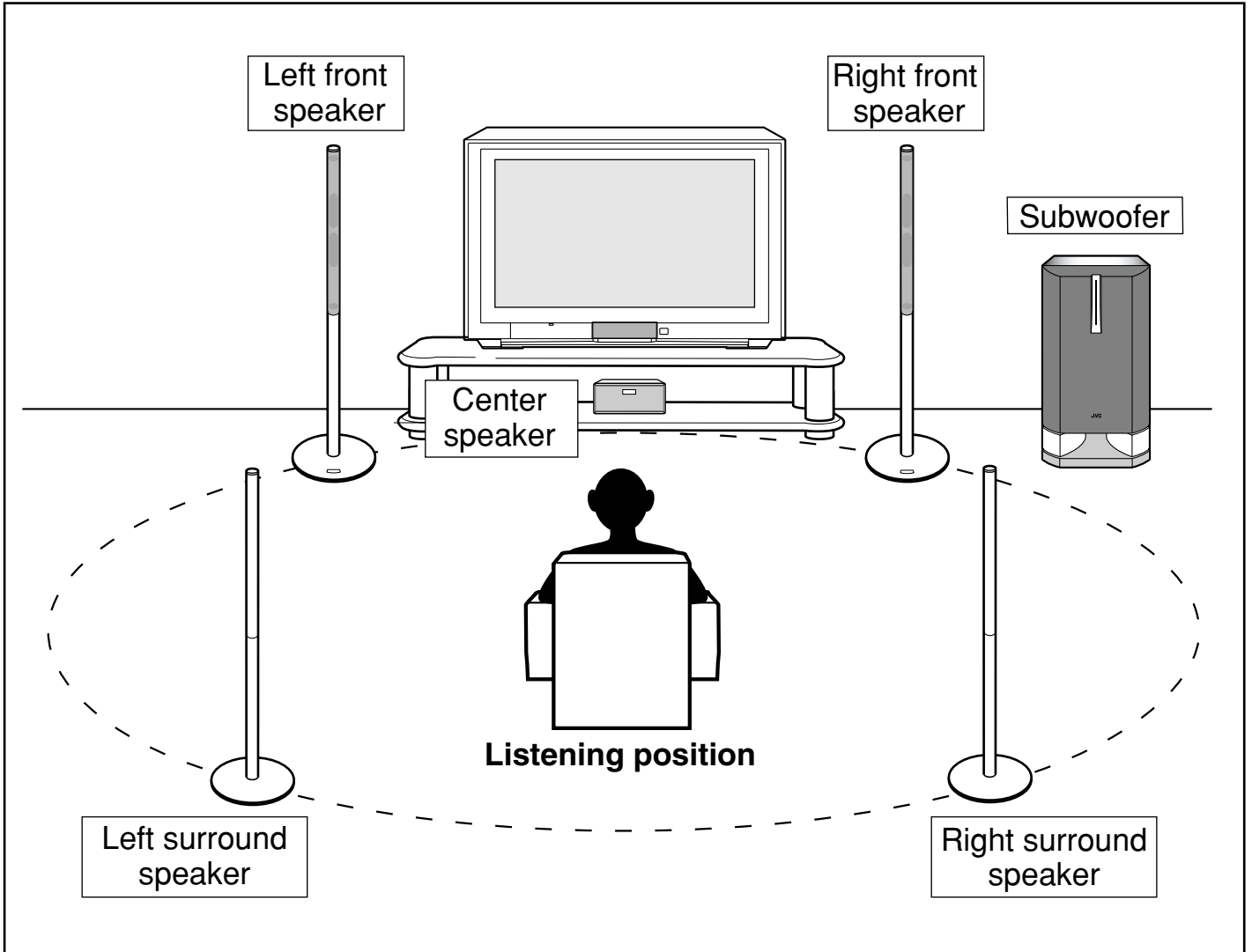


## Additional Information

### Speaker layout

To obtain the best possible sound from your unit:

- Place a subwoofer wherever you like since bass sound is non-directional. Normally place it in front of you.
- Place all the main speakers at the same distance from the listening position.





## Troubleshooting

Use this chart to help you solve daily operational problems. If there is any problem you cannot solve, contact your dealer.

Symptom	Possible Cause	Action
Power does not come on.	Is the unit plugged in?	Plug the AC power cord firmly into the AC outlet.
Auto Power On/Standby does not function correctly.	Signals are too weak or volume level is too low.	This is not a malfunction. If this happens, cancel Auto Power On/Standby.
No sound is heard.	Is the VOLUME knob turned to the MIN position?	Turn the VOLUME knob until a suitable volume is found.
	Connections are incorrect, or loose.	Check the connections. If incorrect, redo the corrections. (See pages 4 and 5.)
	Audio signals through the amplifier are extremely weak.	Increase the volume level on the amplifier.
Sounds fluctuate (suddenly become loud or soft).	The built-in protective circuit is working.	Lower the volume level on the amplifier so that the symptom will not occur.
Suddenly no sound comes out.—the power lamp lights in red.	The VOLUME knob on the rear is set to a very high level.	Turn down the volume, then turn off and on this unit.
Suddenly no sound comes out.—the power lamp still lights in green.	The volume of the playback source is too high.	Turn down the volume of the playback source, turn off and on the source, then adjust the volume properly on the source.

## Specifications

<b>Type :</b>	Powered Subwoofer Bass-reflex type, (magnetically shielded type)
<b>Speaker unit :</b>	16.0 cm (6 <sup>5</sup> / <sub>16</sub> in.) cone (× 1)
<b>Frequency range :</b>	30 Hz to 200 Hz
<b>Input impedance :</b>	50 kΩ (LOW-LEVEL) 470 Ω (HIGH-LEVEL)
<b>Input terminals :</b>	INPUT 1 (LOW-LEVEL) INPUT 2 (HIGH-LEVEL)
<b>Power requirements :</b>	AC 120 V <sup>~</sup> , 60 Hz
<b>Output power of built-in amp :</b>	100 W (45 Hz, 4 Ω, 10 % THD)
<b>Power consumption :</b>	25 W
<b>Dimensions :</b>	(W/H/D) 210 × 392 × 348 mm (8 <sup>5</sup> / <sub>16</sub> × 15 <sup>7</sup> / <sub>16</sub> × 13 <sup>3</sup> / <sub>4</sub> in.)
<b>Mass :</b>	10 kg (22.1 lbs)
<b>Accessories :</b>	Monaural audio cord (× 1)



# LIMITED WARRANTY

AUDIO-1 **USA ONLY**

**ONLY FOR PRODUCT PURCHASED IN U.S.A.**

JVC COMPANY OF AMERICA warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL PURCHASER AT RETAIL to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original retail purchase for the period as shown below. ("The Warranty Period")

PARTS	<b>1 YR</b>	LABOR	<b>1 YR</b>
-------	-------------	-------	-------------

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN COMMONWEALTH OF PUERTO RICO.

**WHAT WE WILL DO:**

If this product is found to be defective, JVC will repair or replace defective parts at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products and parts thereof may be brought to a JVC authorized service center on a carry-in basis except for Television sets having a screen size 25 inches and above which are covered on an in-home basis.

**WHAT YOU MUST DO FOR WARRANTY SERVICE:**

Return your product to a JVC authorized service center with a copy of your bill of sale. For your nearest JVC authorized service center, please call toll free: (800) 537-5722.

If service is not available locally, box the product carefully, preferably in the original carton, and ship, insured, with a copy of your bill of sale plus a letter of explanation of the problem to the nearest JVC Factory Service Center, the name and location of which will be given to you by the toll-free number.

If you have any questions concerning your JVC Product, please contact our Customer Relations Department.

**WHAT IS NOT COVERED:**

This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model number or serial number has been altered, tampered with, defaced or removed;
2. Initial installation and installation and removal for repair;
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
6. Video Pick-up Tubes/CCD Image Sensor, Cartridge, Stylus (Needle) are covered for 90 days from the date of purchase;
7. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase);

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JVC COMPANY OF AMERICA                      1700 Valley Road  
 DIVISION OF JVC AMERICAS CORP.        Wayne, New Jersey 07470

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAILS OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

**For customer use:**

Enter below the Model No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. :	Serial No. :
Purchase data :	Name of dealer :

# Authorized Service Centers

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QUALITY **JVC**<sup>®</sup> SERVICE

*HOW TO LOCATE YOUR JVC SERVICE CENTER*

**TOLL FREE: 1 (800) 537-5722**

**<http://www.jvc.com>**

Dear Customer,

In order to receive the most satisfaction from your purchase, please read the instruction booklet before operating the unit. In the event that repairs are necessary, please call 1 (800)537-5722 for your nearest authorized servicer or visit our website at **[www.JVC.com](http://www.JVC.com)**

Remember to retain your Bill of Sale for Warranty Service.

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## **Do not service the television yourself**

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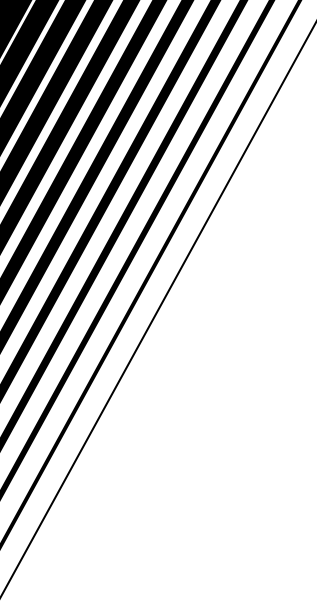
### **Caution**

To prevent electrical shock, do not open the cabinet. There are no user serviceable parts inside. Please refer to qualified service personnel for repairs.

### **Accessories**

To purchase accessories for your JVC product, please call toll free: 1 (800)882-2345 or on the web at **[www.JVC.com](http://www.JVC.com)**

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## CAUTION

Handling the subwoofer (SP-DW103)

This subwoofer has a speaker unit attached underneath the cabinet. Be careful not to touch the speaker unit directly by hand when you carry the subwoofer. Touching the speaker unit directly by hand can result in damaging the unit.

## PRECAUCIÓN

Manejo del subwoofer (SP-DW103)

Este subwoofer cuenta con una unidad de altavoz fijada en la parte inferior del gabinete. Tenga la precaución de no tocar directamente la unidad de altavoz con la mano cuando transporte el subwoofer.

## CUIDADO

Para manusear o subwoofer (SP-DW103)

Este subwoofer possui um alto-falante acoplado sob o gabinete.

Tenha o cuidado de não tocar no alto-falante diretamente com as mãos ao transportá-lo. Tocar no alto-falante com as mãos pode provocar danos no aparelho.

## 注意

处理副低音扬声器 (SP-DW103)

此副低音扬声器在机壳下部附备着扬声器。小心，当您搬动扬声器时，请别直接用手来按压扬声器。用手直接按压扬声器将会造成损坏。

## تحذير

طريقة امسك مجهارة النغمات الخفيفة التردد الفرعي (SP-DW103)

ان هذا المجهارة الفرعي له وحدة سماعة ملحقة تحت الخزانة. عندما تحمل مجهارة النغمات الخفيفة التردد الفرعي، اتخذ الحيلة اللازمة بعدم لمس وحدة السماعة باليد مباشرةً. ان لمس وحدة السماعة باليد مباشرةً قد تسبب تلف ان لمس وحدة السماعة باليد مباشرةً قد تسبب تلف الوحدة.

## 주의

서브우퍼 취급시 유의사항 (SP-DW103)

본 서브우퍼의 캐비넷 밑에는 스피커가 장착되어 있습니다. 서브우퍼의 운반시 스피커에 손이 직접 닿지 않도록 주의하십시오. 이 경우 기기 훼손의 원인이 될 수 있습니다.

Subwoofer

Subwoofer

Subwoofer

副低音扬声器

مجهارة النغمات الخفيفة التردد الفرعي

서브우퍼

Speaker Unit

Unidad de altavoz

Alto-falante

压扬声器

وحدة السماعة

장착 스피커

