

# AV Control Stereo Receiver SA-AX920 SA-AX720

## Operating Instructions



The photographs show SA-AX920.



# Technics®

Before connecting, operating or adjusting this product, please read these instructions completely. Please save this manual.

P PC

RQT4208-P

# Dear Customer

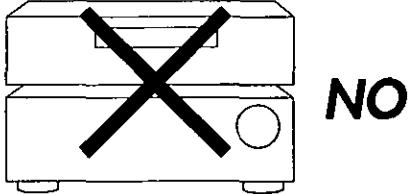
Thank you for purchasing this Technics product. For optimum performance and safety, please read these instructions carefully.

These operating instructions are applicable to models SA-AX920 and SA-AX720, however, are intended primarily for model SA-AX920.

## Table of contents

<b>Precautions</b> .....	<b>3</b>
<b>Supplied accessories</b> .....	<b>4</b>
<b>Listening caution</b> .....	<b>4</b>
<b>Concerning the remote control</b> .....	<b>5</b>
<b>Front panel controls</b> .....	<b>6</b>
<b>Equipment connections</b> .....	<b>7</b>
<b>Antenna connections</b> .....	<b>10</b>
<b>Speaker connections</b> .....	<b>12</b>
<hr/>	
<b>Basic operations</b> .....	<b>16</b>
To adjust the tone quality.....	18
To adjust the sound balance.....	18
To mute the sound level.....	18
To listen through headphones.....	18
To compensate when the volume is low <b>SA-AX920 only</b> .....	19
When using the VCR 2 terminals (front side) <b>SA-AX920 only</b> .....	19
<b>Listening to radio broadcasts</b> .....	<b>20</b>
Sequential tuning.....	20
Direct tuning.....	21
Preset tuning.....	22
<b>Enjoying sound with DOLBY PRO LOGIC</b> .....	<b>25</b>
Setting the center mode and adjusting speaker output level.....	25
Adjusting the delay time.....	27
Enjoying SURROUND or 3 STEREO.....	28
<b>Enjoying sound with SFC</b> .....	<b>29</b>
Adjusting field of sound.....	30
<b>Enjoying sound with 6 channel discrete</b> .....	<b>32</b>
<b>Making a recording</b> .....	<b>33</b>
Recording on a tape deck.....	33
Recording on a VCR.....	33
<b>About the HELP function</b> .....	<b>34</b>
<hr/>	
<b>Product service</b> .....	<b>34</b>
<b>Troubleshooting guide</b> .....	<b>35</b>
<b>Technical specifications</b> .....	<b>Back cover</b>

**CAUTION**  
Do not place a tape deck or CD player on top of this unit. Heat radiated from the top of this unit may cause damage to the tape or CD software.



User memo:

DATE OF PURCHASE \_\_\_\_\_  
 DEALER NAME \_\_\_\_\_  
 DEALER ADDRESS \_\_\_\_\_  
 \_\_\_\_\_  
 TELEPHONE NUMBER \_\_\_\_\_

The model number and serial number of this product can be found on either the back or the bottom of the unit. Please note them in the space provided below and keep for future reference.  
 MODEL NUMBER .....  
 SERIAL NUMBER .....

**THE FOLLOWING APPLIES ONLY IN THE U.S.A.**

**CAUTION:**  
Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.


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

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




**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE SCREWS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



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.

## Precautions

Before using this unit please read these operating instructions carefully. Take special care to follow the warnings indicated on the unit itself as well as the safety suggestions listed below.

Afterwards keep them handy for future reference.

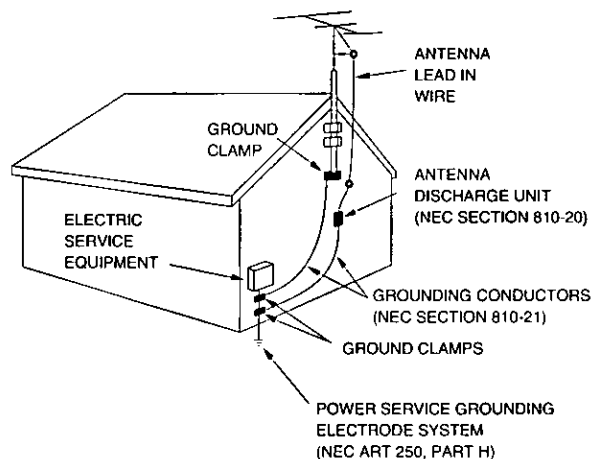
### Safety

1. **Power Source** -- The unit should be connected to power supply only of the type described in the operating instructions or as marked on the unit.
2. **Polarization** -- If the unit is equipped with a polarized AC power plug (a plug having one blade wider than the other), that plug will fit into the AC 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.
3. **Power Cord Protection** -- AC 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. Never take hold of the plug or cord if your hand is wet, and always grasp the plug body when connecting or disconnecting it.
4. **Nonuse Periods** -- When the unit is not used, turn the power off. When left unused for a long period of time, the unit should be unplugged from the household AC outlet.

### Installation

#### Environment


1. **Outdoor Antenna Grounding** -- If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1990, provides information with respect 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 figure below.



NEC-NATIONAL ELECTRICAL CODE

2. **Water and Moisture** -- Do not use this unit near water-for example, near a bathtub, washbowl, swimming pool, or the like. Damp basements should also be avoided.
3. **Heat** -- The unit should be situated away from heat sources such as radiators and the like. It also should not be placed in temperatures less than 5°C (41°F) or greater than 35°C (95°F).

### Placement

1. **Ventilation** -- The unit should be situated so that its location or position does not interfere with its proper ventilation. Allow 10 cm (4") clearance from the rear of the unit.
2. **Foreign Material** -- Care should be taken so that objects do not fall into and liquids are not spilled into the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration, or shock.
3. **Magnetism** -- The unit should be situated away from equipment or devices that generate strong magnetic fields.
4. **Stacking** -- Do not place heavy objects, other than system components, on top of the unit.
5. **Surface** -- Place the unit on a flat, level surface.
6. **Carts and Stands** -- The unit should be used only with a cart or stand that is recommended by the manufacturer. The unit and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the unit and cart combination to overturn. 
7. **Wall or Ceiling Mounting** -- The unit should not be mounted to a wall or ceiling, unless specified in this operating instructions.

### Maintenance

Clean the cabinet, panel and controls with a soft cloth lightly moistened with mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

### Service

1. **Damage Requiring Service** -- The unit should be serviced by qualified service personnel when:
  - (a) The AC power supply cord or the plug has been damaged; or
  - (b) Objects have fallen or liquid has been spilled into the unit; or
  - (c) The unit has been exposed to rain; or
  - (d) The unit does not appear to operate normally or exhibits a marked change in performance; or
  - (e) The unit has been dropped, or the enclosure damaged.
2. **Servicing** -- The user should not attempt to service the unit beyond that described in the operating instructions. All other servicing should be referred to an authorized service personnel. (Only for U.S.A.) Call 1-800-211-7262 for the address of an authorized factory servicenter.

## Supplied accessories

- Ⓐ AC power supply cord (SJA172).....1 pc.
- Ⓑ AM loop antenna set (RSA0010)
  - AM loop antenna.....1 pc.
  - AM loop antenna holder.....1 pc.
  - Screw.....1 pc.
- Ⓒ FM indoor antenna (RSA0006).....1 pc.
- Ⓓ Batteries.....2 pcs.
- Ⓔ Remote control transmitter.....1 pc.

Use numbers indicated in parentheses when asking for replacement parts.

(Only for U.S.A.)

To order accessories call PASC Accessory Dept. 1-800-211-7262.

## Listening caution



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.

We recommend you to avoid prolonged exposure to excessive noise.

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.

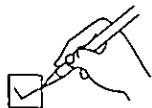
To establish a safe level:

- 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.

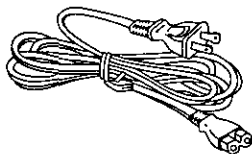
Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.



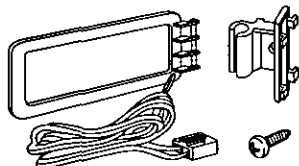
Please check and identify the supplied accessories.



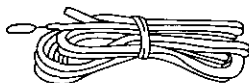
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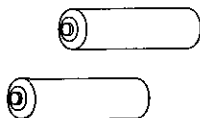
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Ⓒ

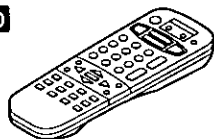


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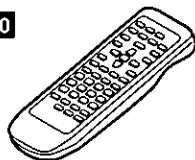
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**For SA-AX920**



(RAK-SA937MK)

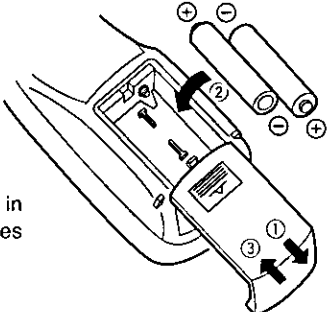
**For SA-AX720**



(EUR646463)

**A**

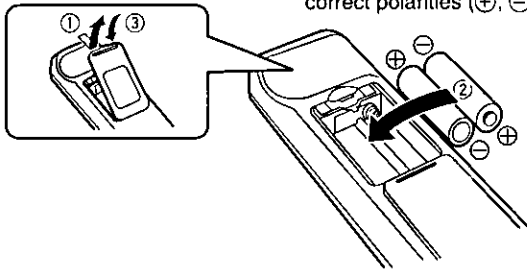
**For SA-AX920**



Insert the batteries in the correct polarities (+, -).

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**For SA-AX720**

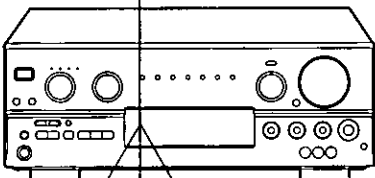


Insert the batteries in the correct polarities (+, -).

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**B**

Remote control signal sensor



Transmission window

Avoid any obstacles

30° 30°

About 7 meters (23 feet) in front of the signal sensor. (The actual range will depend on the angle at which the remote control is used.)

**Battery installation** **A**

- Thoroughly clean the battery compartment before inserting new batteries.
- Do not mix old and new batteries, or batteries of different types (carbon and alkaline, etc.).
- If you will not use the remote control for a long period of time, remove the batteries and store them in a cool, dark place.
- Do not use rechargeable type batteries.
- Do not attempt to recharge alkaline or carbon batteries.
- Always remove old, weak or worn-out batteries promptly and dispose of them properly.
- Never subject batteries to excessive heat or flame; do not attempt to disassemble them; and be sure they are not short-circuited.
- If the leaking electrolyte comes into contact with skin or clothes, flush with water immediately.

**When you need to replace these batteries**  
Use two R6/LR6, AA, UM-3 batteries.

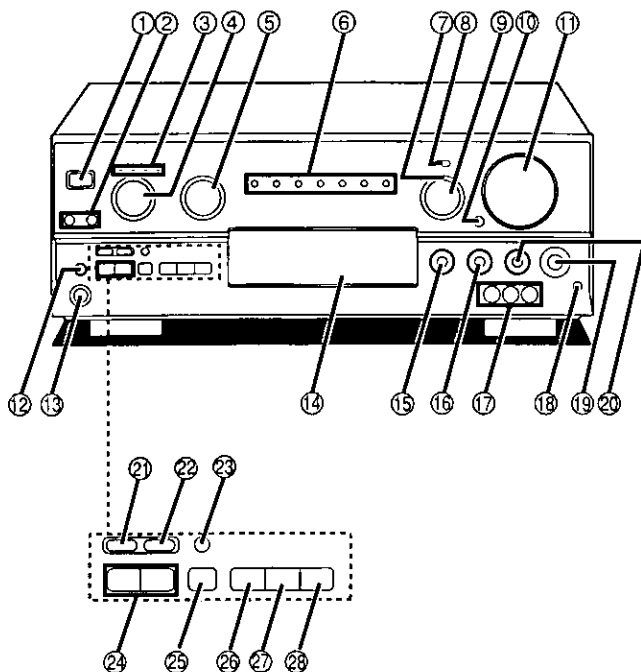
**Method for use** **B**





**Note**  
Be sure the transmission window and the signal sensor are free from dust. Excessive dust might effect performance.

The operation may not be correct if direct sunlight or other strong light source strikes the signal sensor of this unit. If there is a problem, place the unit away from the light source.

Before use

## Front panel controls



- ① Power "STANDBY /ON" switch (POWER, STANDBY /ON)  
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
- ② Speaker select buttons (SPEAKERS A, B)
- ③ Dolby Pro Logic mode/SFC indicator
- ④ Dolby Pro Logic mode/SFC selector
- ⑤ SFC mode selector (MODE)
- ⑥ Input indicator
- ⑦ DVD 6ch input indicator
- ⑧ DVD 6ch input select button (DVD 6CH INPUT)
- ⑨ Input selector (INPUT SELECTOR)
- ⑩ Muting button (MUTING)
- ⑪ Volume control (VOLUME)
- ⑫ Help/reset button (-HELP -RESET)
- ⑬ Headphones jack (PHONES)
- ⑭ Display
- ⑮ Bass control (BASS)
- ⑯ Treble control (TREBLE)
- ⑰ **SA-AX920 only**  
VCR 2 input terminals (VCR 2)
- ⑱ **SA-AX920 only**  
VCR 2, TV/DSS input select button  
(  VCR 2,  TV/DSS)
- ⑲ **SA-AX920 only**  
Subwoofer level control (SUBWOOFER LEVEL)
- ⑳ Balance control (BALANCE)
- ㉑ Delay time adjust button (DELAY TIME)
- ㉒ Center mode select button (CENTER MODE)
- ㉓ **SA-AX920 only**  
Loudness ON/OFF button (LOUDNESS)
- ㉔ Tuning buttons (TUNING)
- ㉕ Radio station presetting button (PRESET)
- ㉖ Band select button (BAND)
- ㉗ FM mode select button (FM MODE)
- ㉘ Memory button (MEMORY)

# Equipment connections

Make sure that the power supply for all components has been turned off before making any connections.

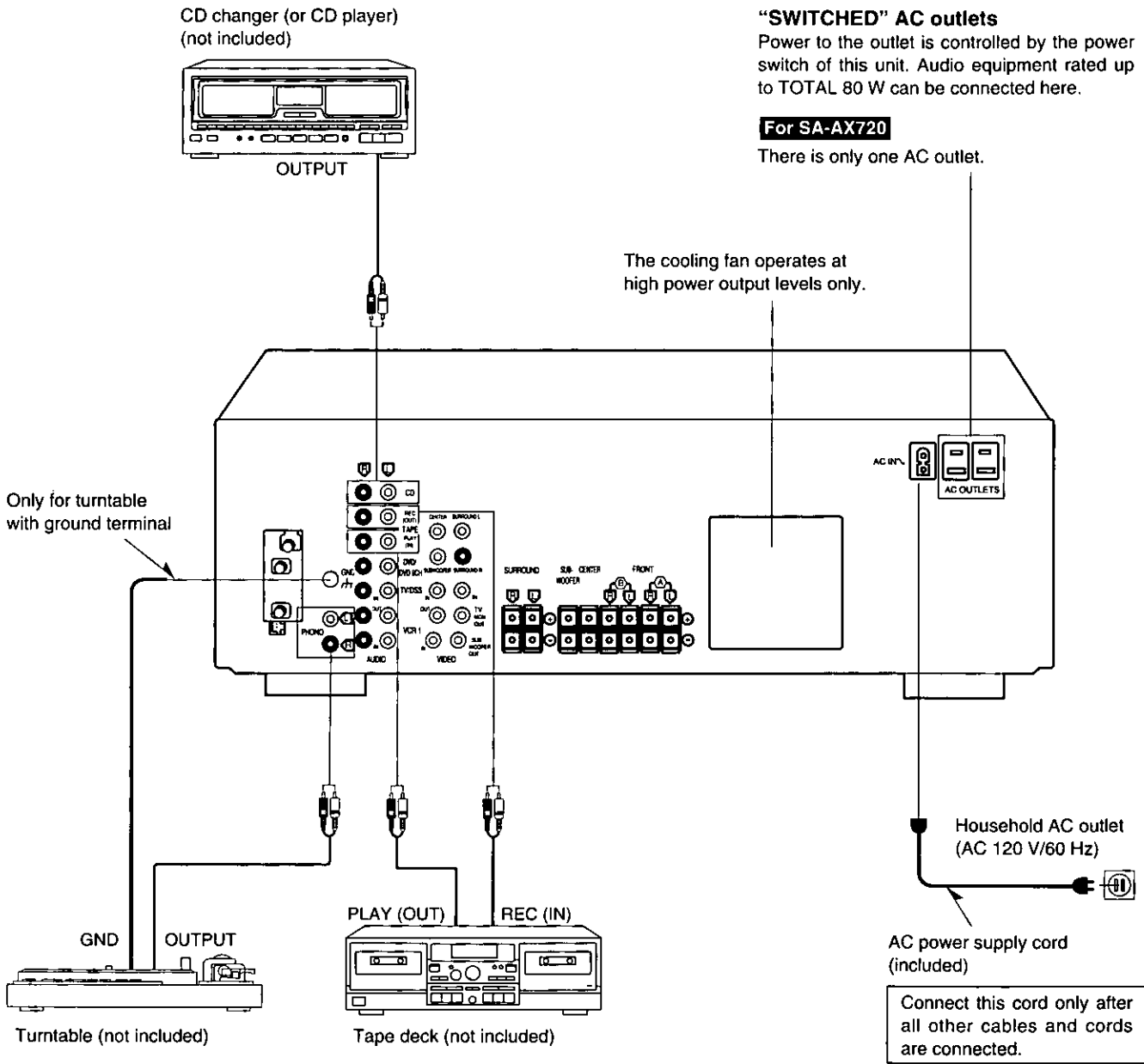
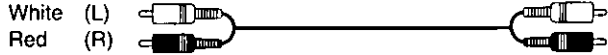
To connect equipment, refer to the appropriate operating instructions.

### Note

Do not place books, etc., on the top of this unit or block the heat radiation vents in any way.

## Connecting audio equipment

### Stereo connection cable (not included)



Before use

Connecting video equipment

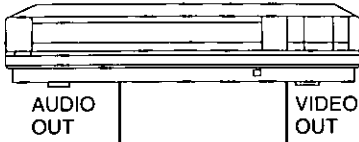
Stereo connection cable (not included)



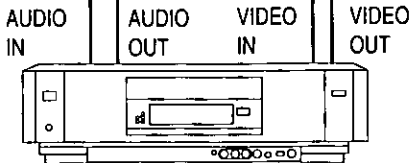
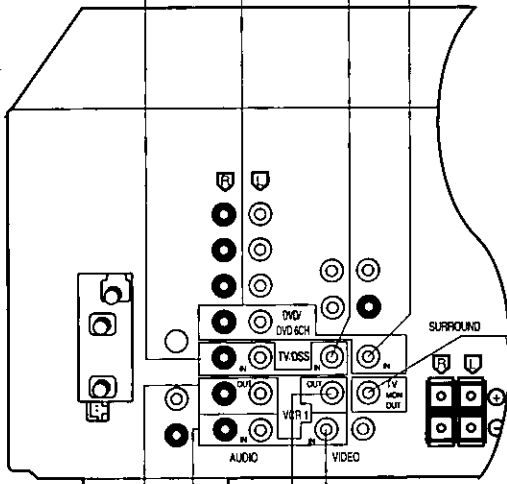
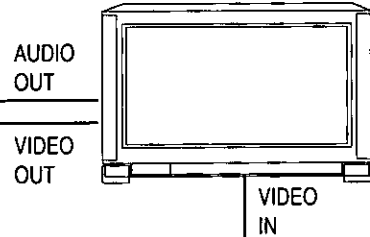
Video connection cable (not included)



Laser disc player (not included)

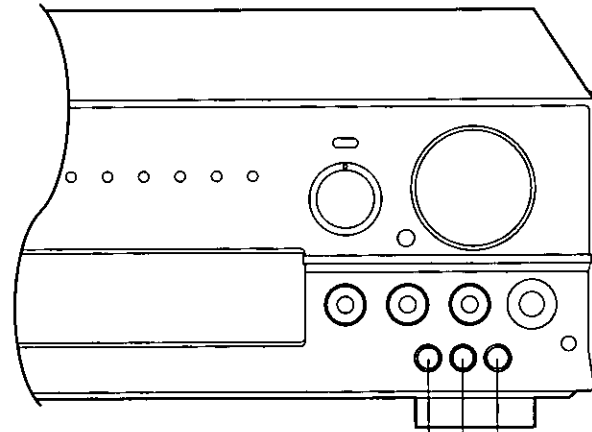


TV (not included)

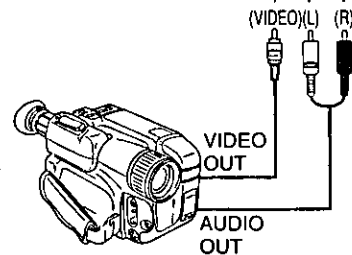


VCR (not included)

Connecting to the VCR 2 terminals on the front panel SA-AX920 only



Camcorder, etc. (not included)



For SA-AX720

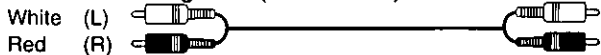
The "VCR 1" terminals shown in the illustration corresponds respectively to the "VCR" terminals on SA-AX720.

Before use



## Connecting a DVD player

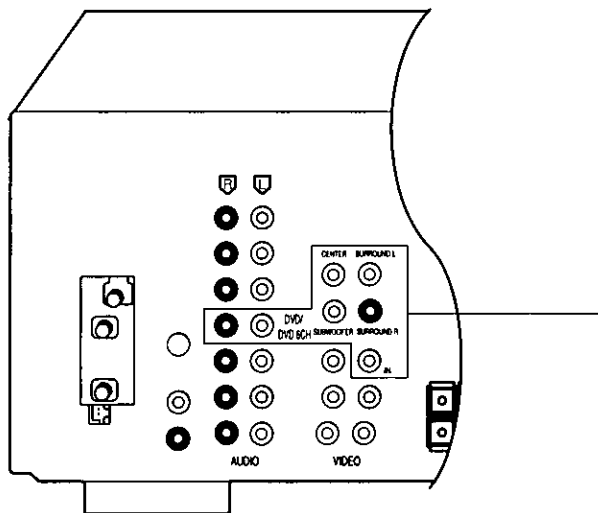
### Stereo connecting cable (not included)



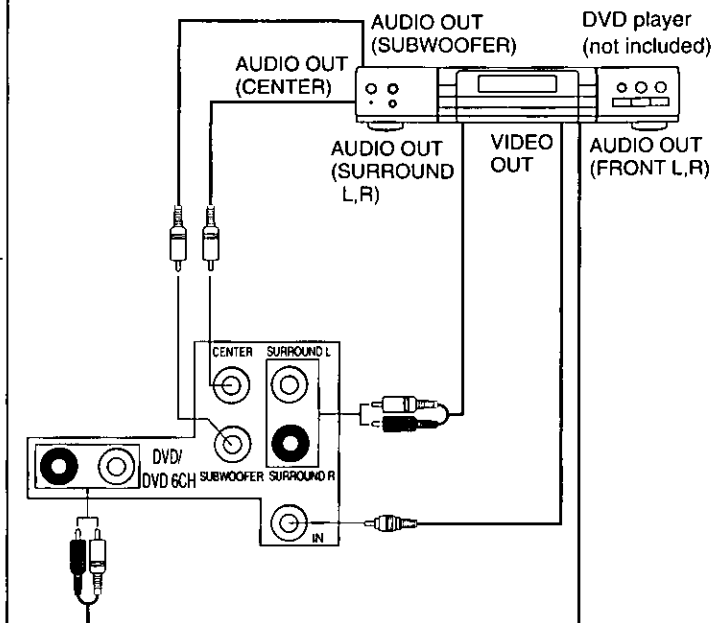
### Monaural connection cable (not included)



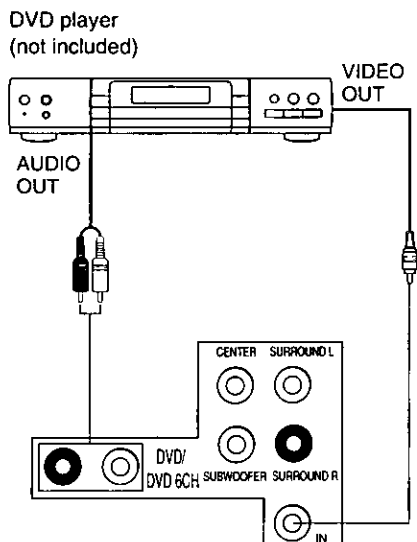
### Video connection cable (not included)



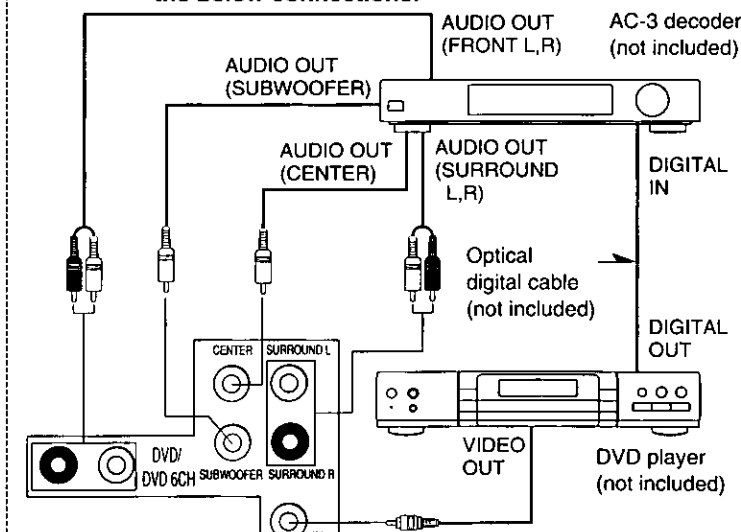
### Connecting a DVD player with 6 channel discrete output



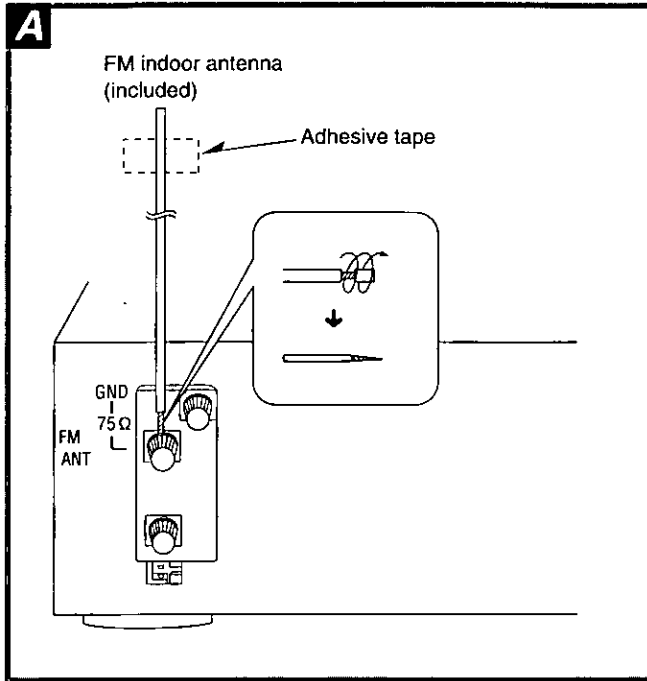
### Connecting a DVD player with 2 channel output



### You can enjoy 6 channel discrete sound by making the below connections.



## Antenna connections



### FM indoor antenna (included) **A**

This antenna is normally sufficient for reception of FM broadcasts.

Attach to a wall (using tape) facing in the direction of best reception.

#### For best reception

An FM outdoor antenna is recommended.

### AM loop antenna (included) **B**

This antenna is normally sufficient for reception of AM broadcasts.

Fit the AM loop antenna holder (included) onto the rear panel of this unit and then attach the AM loop antenna to the AM loop antenna holder (facing in the direction of best reception).

#### Pay attention to the following points when mounting the antenna.

- Do not mount it close to power cords, speaker wires or metal surfaces (Doing so will result in noise).
- Do not mount it close to a tape deck. When the tape deck is being used, chirping or beeping sounds may result.

### When mounting the antenna to a column, a wall or rack **C**

Mount the antenna so that the hinge is vertical.

