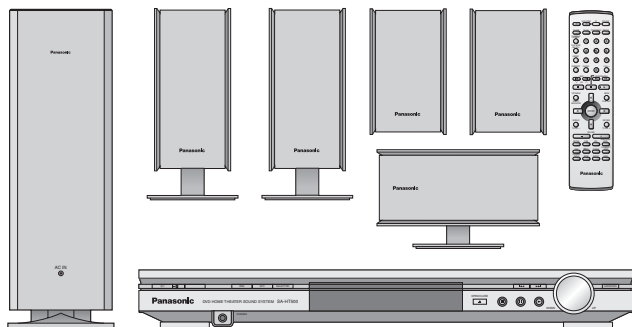


# DVD Home Theater Sound System

## Operating Instructions

Model No. **SC-HT500**

# Panasonic®



The illustration shows the model for the United Kingdom and Continental Europe.



### Region number supported by this unit

Region numbers are allocated to this unit and software according to where they are sold.

#### For the United Kingdom and Continental Europe

- The region number of this unit is "2".
- The unit will play DVD-Video marked with labels containing "2" or "ALL".

Example:



#### For Australia and N.Z.

- The region number of this unit is "4".
- The unit will play DVD-Video marked with labels containing "4" or "ALL".

Example:



Before connecting, operating or adjusting this product, please read these instructions completely. Please keep this manual for future reference.

#### Note

"EB" on the packaging indicates the United Kingdom.

## Dear customer

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

- Operations in these instructions are described mainly with the remote control, but you can do the operations on the main unit if the controls are the same.
- Unless otherwise indicated, illustrations in these operating instructions are of the unit for the United Kingdom and Continental Europe.

	For the United Kingdom and Continental Europe	For Australia and N.Z.
System	SC-HT500	SC-HT500
Main unit	SA-HT500	SA-HT500
Front speakers	SB-FS700	SB-FS803A
Center speaker	SB-PC700	SB-PC703
Surround speakers	SB-FS803A	SB-FS803A
Active subwoofer	SB-WA330	SB-WA330

Getting started

### CAUTION!

THIS PRODUCT UTILIZES A LASER.  
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.  
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

### WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

### CAUTION!

- DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT-IN CABINET OR IN ANOTHER CONFINED SPACE. ENSURE THE UNIT IS WELL VENTILATED. TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING, ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION VENTS.
- DO NOT OBSTRUCT THE UNIT'S VENTILATION OPENINGS WITH NEWSPAPERS, TABLECLOTHS, CURTAINS, AND SIMILAR ITEMS.
- DO NOT PLACE SOURCES OF NAKED FLAMES, SUCH AS LIGHTED CANDLES, ON THE UNIT.
- DISPOSE OF BATTERIES IN AN ENVIRONMENTALLY FRIENDLY MANNER.

THIS UNIT IS INTENDED FOR USE IN MODERATE CLIMATES.

This product may receive radio interference caused by mobile telephones during use. If such interference is apparent, please increase separation between the product and the mobile telephone.

<b>CAUTION</b>	- LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR / Class II
<b>CAUTION</b>	- VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM. IEC60825-1 / Class 3b
<b>WARNING</b>	- SYNLIG OCH USYNLIG LASERSTRÅLING NÄR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN.
<b>ADVARSEL</b>	- SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSÆTTELSE FOR STRÅLING.
<b>ADVARSEL</b>	- SYNLIG OG USYNLIG LASERSTRÅLING NÄR DEKSEL ÄPNES. UNDGÅ EXPOSITION FÖR STRÅLEN.
<b>VARO!</b>	- HUOMI! OLET ALTIINNA NÄKYVÄÄ JA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
<b>VORSICHT</b>	- SICHTBARE UND UNSICHTBARE LASERSTRÄHLUNG. WENN ABDECKUNG GEÖFFNET, NICHT DEM STRAHL AUSSETZEN.
<b>ATTENTION</b>	- RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE. EXPOSITION DANGEREUSE AU FAISCEAU.
<b>注意</b>	- 打開時及び使用中もレーザー光が出ます。ビームを見たり、触れたりしないで下さい。ROLKS0054

(Inside of product)  
(Tuotteen sisällä)  
(Produktets innside)



LUOKAN 1 LASERLAITE  
KLASS 1 LASER APPARAT



(Back of product)

## SUOMI

### VAROITUS!

LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAÄ ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

### VAROITUS:

TULIPALO-, SÄHKÖISKUVAARAN TAI TUOTETTA KOHTAAVAN MUUN VAHINGON VÄHENTÄMISEKSI EI LAITETTA SAA ALTISTAA SATEELLE, KOSTEUDELLE, VESIPISAROILLE TAI ROISKEELLE, EIKÄ NESTETTÄ SISÄLTÄVIÄ ESINEITÄ, KUTEN ESIMERKIKSI MALJAKOITA, SAA ASETTAA LAITTEEN PÄÄLLE.

### VAROITUS!

- ÄLÄ ASENNATA TAI LAITA TÄTÄ LAITETTA KABINETTITYYPPISEEN KIRJAKAAPPIN TAI MUUHUN SULJETTUUN TILAAN, JOTTA TUULETUS ONNISTUISI. VARMISTA, ETTÄ VERHO TAI MIKÄÄN MUU MATERIAALI EI HUONONNA TUULETUSTA, JOTTA VÄLTETTÄISIIN YLIKUUMENEMISESTÄ JOHTUVA SÄHKÖISKU- TAI TULIPALOVAARA.
- ÄLÄ PEITÄ LAITTEEN TUULETUSAUUKKOJA SANOMALEHDELLÄ, PÖYTÄLIINALLA, VERHOLLA TAI MUULLA VASTAVALLLA ESINEELLÄ.
- ÄLÄ ASETA PALAVAA KYNTTILÄÄ TAI MUUTA AVOTULEN LÄHDETTÄ LAITTEEN PÄÄLLE.
- HÄVITÄ PARISTOT LUONTOA VAHINGOITTAMATTOMALLA TAVALLA.

TÄMÄ LAITE ON TARKOITETTU KÄYTETTÄVÄKSI LEUDOSSA ILMASTOSSA.

## NORSK

### ADVARSEL!

DETTE PRODUKTET ANVENDER EN LASER. BETJENING AV KONTROLLER, JUSTERINGER ELLER ANDRE INNGREP ENN DE SOM ER BESKREVET I DENNE BRUKSANVISNING, KAN FØRE TIL FARLIG BESTRÅLING. DEKSLER MÅ IKKE ÅPNES, OG FORSØK ALDRI Å REPARERE APPARATET PÅ EGENHÅND. ALT SERVICE OG REPARASJONSARBEID MÅ UTFØRES AV KVALIFISERT PERSONELL.

### ADVARSEL:

FOR Å REDUSERE FAREN FOR BRANN, ELEKTRISK STØT ELLER SKADER PÅ PRODUKTET, MÅ DETTE APPARATET IKKE UTSETTES FOR REGN, FUKTIGHET, VANNDRÅPER ELLER VANNSPRUT. DET MÅ HELLER IKKE PLOSSERES GJENSTANDER FYLT MED VANN, SLIK SOM BLOMSTERVASER, OPPÅ APPARATET.

### ADVARSEL!

- APPARATET MÅ IKKE PLOSSERES I EN BOKHYLLE, ET INNEBYGGET KABINETT ELLER ET ANNET LUKKET STED HVOR VENTILASJONSFORHOLDENE ER UTILSTREKKELEGE. SØRG FOR AT GARDINER ELLER LIGNENDE IKKE FORVERRER VENTILASJONSFORHOLDENE, SÅ RISIKO FOR ELEKTRISK SJOKK ELLER BRANN FORÅRSAKET AV OVERHETING UNNGÅS.
- APPARATETS VENTILASJONSÅPNINGER MÅ IKKE DEKKES TIL MED AVISER, BORDDUKER, GARDINER OG LIGNENDE.
- PLOSSER IKKE ÅPEN ILD, SLIK SOM LEVENDE LYS, OPPÅ APPARATET.
- BRUKTE BATTERIER MÅ KASSERES UTEN FARE FOR MILJØET.

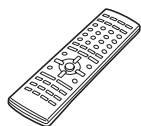
DETTE APPARATET ER BEREGNET TIL BRUK UNDER MODERATE KLIMAFORHOLD.

# Accessories

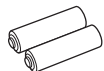


Please check and identify the supplied accessories. Use numbers indicated in parentheses when asking for replacement parts.

- 1 Remote control**  
(EUR7623XA0)



- 2 Batteries**  
for remote control

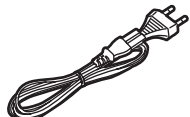
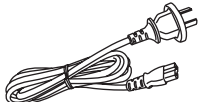


- 1 AC mains lead**  
**For the United Kingdom**  
(RJA0053-2X)



**For Continental Europe**  
(RJA0019-2X)

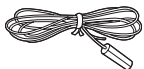
- For Australia and N.Z.**  
(RJA0035-X)



- 1 AM loop antenna**  
(N1DAAAA00001)



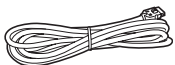
- 1 FM indoor antenna**  
(RSA0007-J)



- 1 Video cable**  
(RJL1P016B15A)



- 1 System cable**  
(K1HA25HA0001)



- 5 Speaker cables**  
(RFA2163-J)  
3×4-m cables  
2×10-m cables



- For the United Kingdom only**  
**1 Antenna plug adaptor**  
(SJP9009)



- 1 Sheet of speaker-cable stickers**



### Note

The included AC mains lead is for use with this unit only. Do not use it with other equipment.

### For the United Kingdom and Republic of Ireland

**shop@ Panasonic**

www.panasonic.co.uk (for UK customers only)

- Order accessory and consumable items for your product with ease and confidence by telephoning our Customer Care Centre Mon–Friday 9:00am–5:30pm. (Excluding public holidays.)
- Or go on line through our Internet Accessory ordering application.
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic UK Ltd.
- It couldn't be simpler!

Customer Care Centre  
For UK customers: 08705 357357  
For Republic of Ireland customers: 01 289 8333

Technical Support  
For UK customers: 0870 1 505610

**This Technical Support Hot Line number is for Panasonic PC software related products only.**

**For Republic of Ireland, please use the Customer Care Centre number listed above for all enquiries.**

**For all other product related enquiries, please use the Customer Care Centre numbers listed above.**



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# (For United Kingdom)

("EB" area code model only)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience. A 5-ampere fuse is fitted in this plug. Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere 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 purchased from your local dealer.

### CAUTION!

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD 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-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as stated 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 these colours 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 or Blue.  
 The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

**WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL  $\perp$  OR COLOURED GREEN OR GREEN/YELLOW.**

**THIS PLUG IS NOT WATERPROOF—KEEP DRY.**

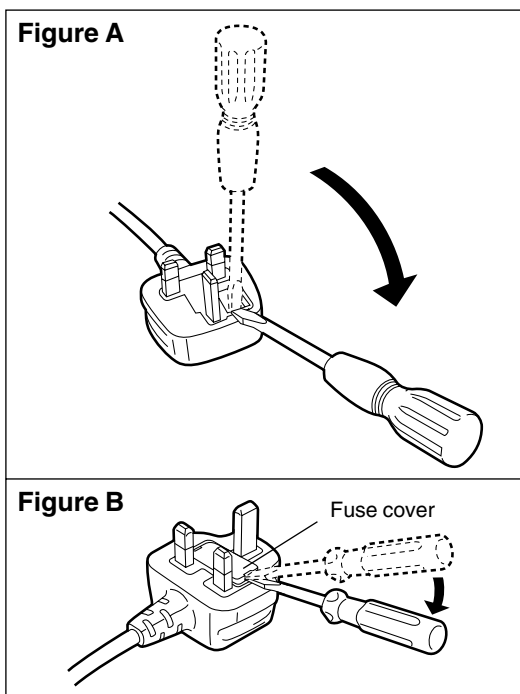
### Before use

Remove the connector cover.

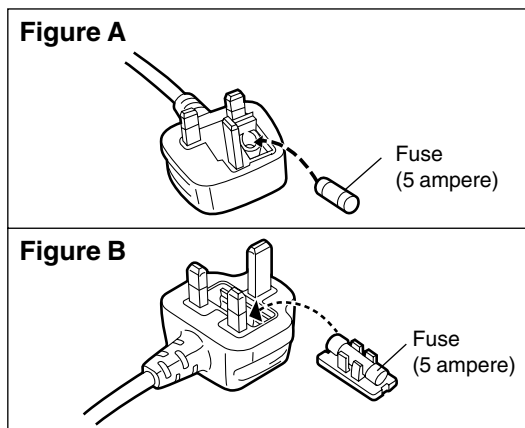
### How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below. Illustrations may differ from actual AC mains plug.









1. Open the fuse cover with a screwdriver.



2. Replace the fuse and close or attach the fuse cover.



## ■ Discs that can be played

Disc type	Logo	Indication used in instructions
DVD-RAM		<b>RAM</b>
DVD-Audio		<b>DVD-A</b>
DVD-Video	 	<b>DVD-V</b>
DVD-R		
Video CD		<b>VCD</b>
CD	 	<b>CD</b> Including CD text
CD-R/RW	—	<b>WMA</b> <b>MP3</b>

- Use discs with the above logos and that conform to specifications. The unit cannot play other discs correctly.
- Do not use irregularly shaped discs (e.g. heart-shaped), as these can damage the unit.

## ■ Discs that cannot be played

DVD-ROM, CD-ROM, CDV, CD-G, +RW, DVD-RW, CVD, SVCD, SACD, Divx Video Discs and Photo CD.

## ■ Disc structure

Disc structure and the labels given to the items on discs depend on the disc type.

- Track:** the smallest division on DVD-Audio, CDs and Video CDs, or a single WMA/MP3 file.
- Chapter:** the smallest division on DVD-Video.
- Group:** collections of tracks on DVD-Audio and equivalent to folders or albums on data discs.
- Title:** the largest division on DVD-Video, usually an entire movie.
- Program:** the division on DVD-RAM equivalent to a single recording.
- Play list:** a group of scenes on DVD-RAM.
- Scene:** DVD-RAM program sections specified and grouped into play lists on a DVD video recorder.

## Playing DVDs and Video CDs

The producer of these discs can control how they are played so you may not always be able to control play as described in these operating instructions (for example if the play time is not displayed or if a Video CD has menus). Read the disc's instructions carefully.

## ■ CD-R and CD-RW discs

This unit can play CD-R/RW (audio recording disc) recorded with CD-DA, video CD, WMA or MP3. Finalize\* the disc after recording.

## ■ DVD-R discs

Panasonic DVD-R recorded and finalized\* on a Panasonic DVD video recorder are played as DVD-Video on this unit.

\*A process that allows play on compatible equipment.

## ■ DVD-RAM discs

DVD-RAM discs must meet the following conditions for this unit to be able to play them.

Type	<ul style="list-style-type: none"> <li>• Non-cartridge discs</li> <li>• Discs that can be removed from their cartridges (TYPE 2 and 4)</li> </ul>
Capacity	<ul style="list-style-type: none"> <li>• 12 cm 9.4 GB (double-sided) and 4.7 GB (single-sided)</li> <li>• 8 cm 2.8 GB (double-sided)</li> </ul>
Recording format	Discs recorded with DVD video recorders, DVD video cameras, personal computers, etc., using Version 1.1 of the Video Recording Format (a unified video recording standard).

- Remove TYPE 2 and 4 discs from their cartridges before use, then return them when you are finished. Read the instructions for the disc carefully.
- Do not allow the disc to become dirty or scratched. Store discs in their cartridges and ensure the disc label and cartridge label face the same way.
- Some parts of the disc, for example where one program ends and another begins, may not play smoothly.

## Note

It may not be possible to play CD-R, CD-RW, DVD-R and DVD-RAM in all cases due to the type of disc or condition of the recording.

## ■ Video systems

This unit can play both the PAL and NTSC video systems. To view PAL or NTSC, however, your television must match the system used on the disc.

PAL discs cannot be correctly viewed on an NTSC television. NTSC can be correctly viewed on a PAL television by converting the video signal to PAL 60 (➔ page 31, Video—NTSC Disc Output).

## ■ To clean discs

**DVD-Audio, DVD-Video, Video CD, CD**

Wipe with a damp cloth and then wipe dry.



## DVD-RAM, DVD-R

- Clean with an optional DVD-RAM/PD disc cleaner (LF-K200DCA1, where available).
- Never use cloths or cleaners for CDs etc.

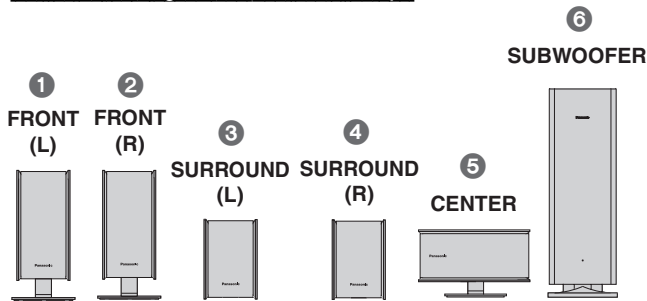
## ■ Handling precautions

- Do not write on the label side with a ball-point pen or other writing instrument.
- Do not use record cleaning sprays, benzene, thinner, static electricity prevention liquids or any other solvent.
- Do not attach labels or stickers to discs. (Do not use discs with exposed adhesive from tape or left over peeled-off stickers.)
- Do not use scratch-proof protectors or covers.
- Do not use discs printed with label printers available on the market.

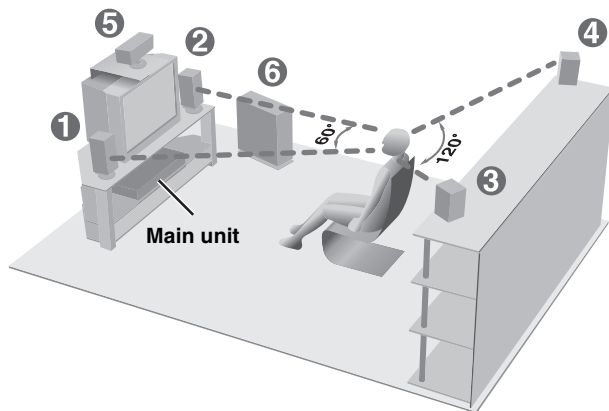
# Simple setup

## STEP 1 Locating

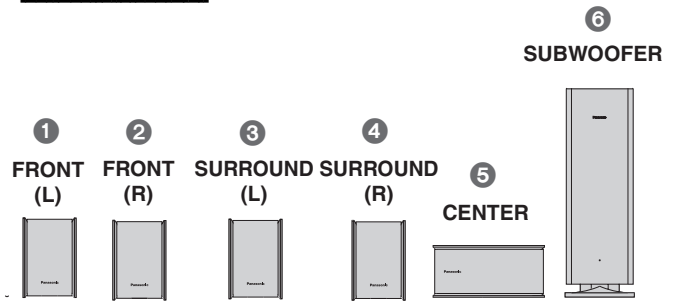
For the United Kingdom and Continental Europe



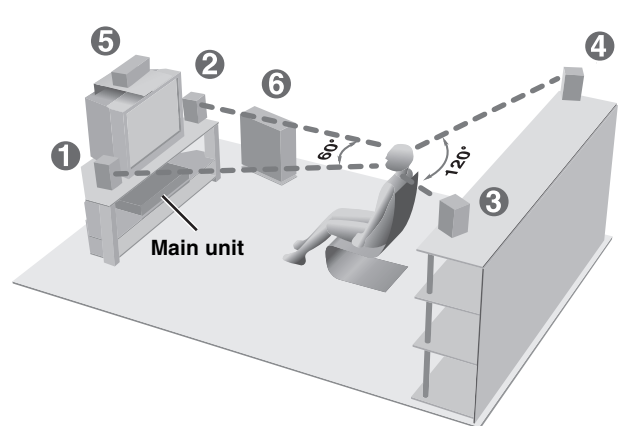
Setup example



For Australia and N.Z.



Setup example



- The front and surround speakers are the same. Use those you have connected the short cords to as front speakers and those you have connected the long cords to as surround speakers.

- Place the front, center, and surround speakers at approximately the same distance from the seating position. The angles in the diagram are approximate.

### Use only supplied speakers

Using other speakers can damage the unit and sound quality will be negatively affected.

- Set the speakers up on an even surface to prevent them from falling. Take proper precautions to prevent the speakers from falling if you cannot set them up on an even surface.

### Positioning for best effect

How you set up your speakers can affect the bass and the sound field. Note the following points.

- Place speakers on flat secure bases.
- Placing speakers too close to floors, walls, and corners can result in excessive bass. Cover walls and windows with thick curtain.

### Main unit

Keep your speakers at least 10 mm away from the system for proper ventilation.

### Center speaker

- You can also put this speaker directly under the television.
- Vibration caused by the center speaker can disrupt the picture if it is placed directly on the television. Put the center speaker on a rack or shelf.

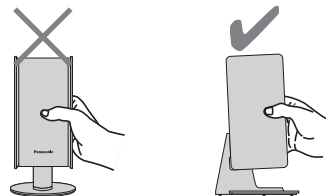
### Subwoofer

Place to the right of the television, on the floor or a sturdy shelf so that it won't cause vibration.

Leave 10 cm on the right for the woofer to be effective. Leave 10 cm at the rear for ventilation.

### Caution

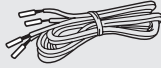
Hold the speakers by the sides. Applying pressure to the front net can damage the speaker.





# STEP 2 Speakers

- Speaker cables**
- 3 × 4-m cables
  - 2 × 10-m cables



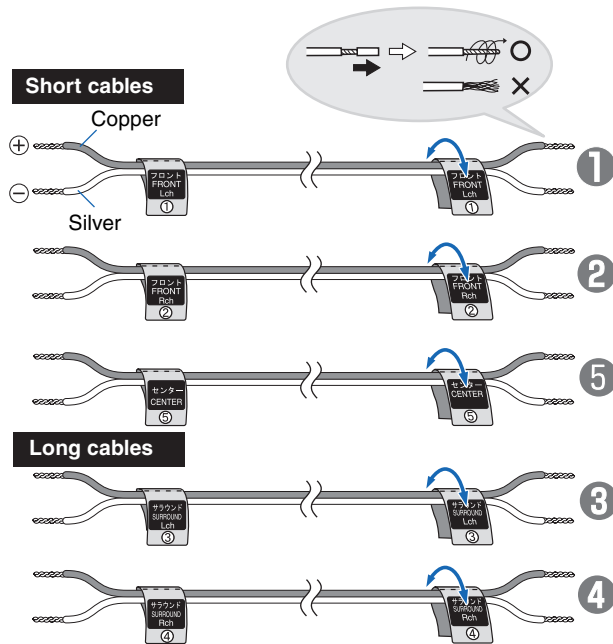
Sheet of speaker-cable stickers



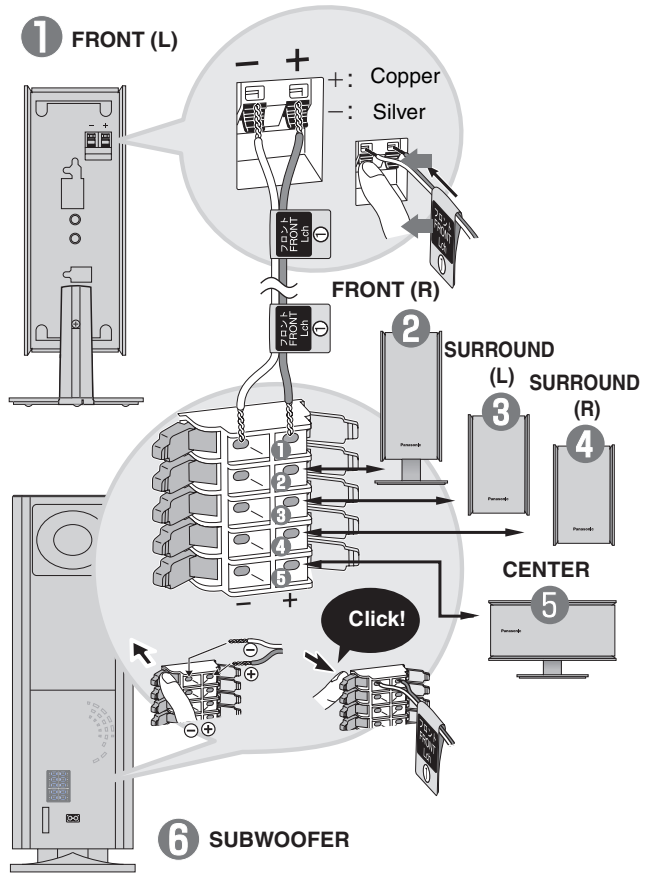
Simple setup

## 1 Attaching the stickers to the speaker cables

Attach the speaker-cable stickers to make connection easier.



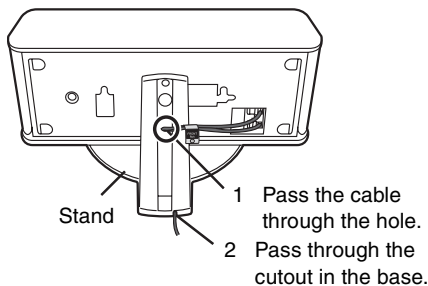
## 2 Connecting the speakers



### For the United Kingdom and Continental Europe

#### Keeping the cables out of the way (Front speakers and center speaker)

Pass the cables through the holes in the stand to keep them out of the way.

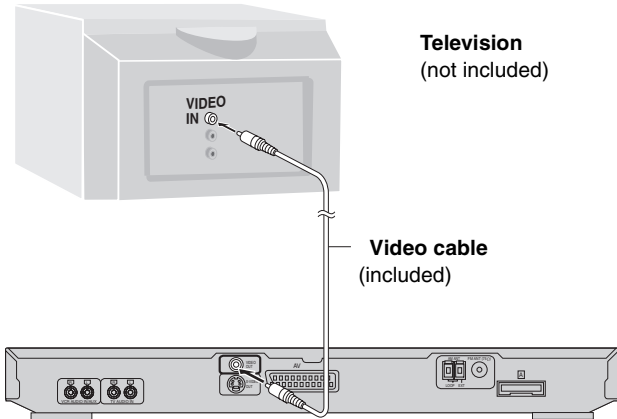


### Note

- Never short-circuit positive (+) and negative (-) speaker wires.
- Be sure to connect only positive (copper) wires to positive (+) terminals and negative (silver) wires to negative (-) terminals. Incorrect connection can damage the speakers.

# STEP 3 Television

## ■ Connecting a television with a VIDEO IN terminal



Video cable

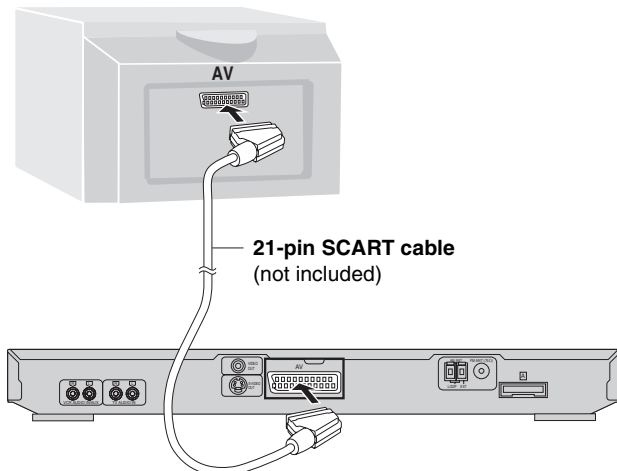


### Connect directly to your television.

Do not connect the unit through a video cassette recorder, because the picture may not be played correctly due to the copy guard.

For the United Kingdom and Continental Europe

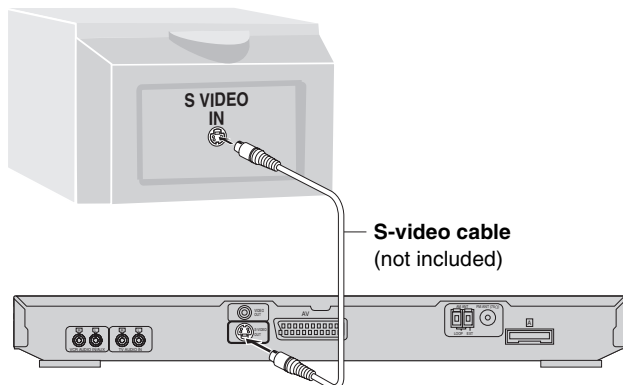
## ■ Connecting a television with SCART terminal



### SCART terminal

To improve picture quality, you can change the video signal output from the AV terminal from "Video" to either "S-Video" or "RGB" to suit the type of television you are using (➔ page 11, QUICK SETUP or page 31, Video—AV Output).

## ■ Connecting a television with an S-VIDEO IN terminal



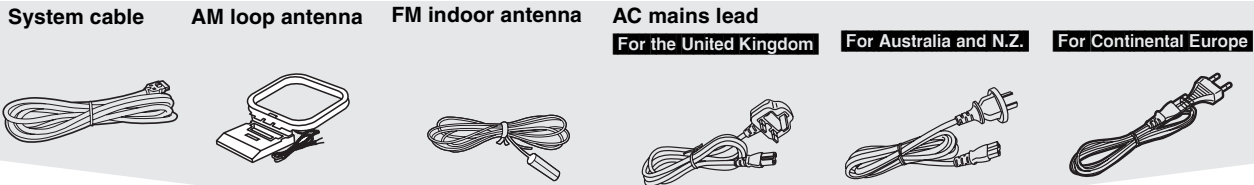
### S VIDEO OUT terminal

The S video terminal achieves a more vivid picture than the VIDEO OUT terminal by separating the chrominance (C) and luminance (Y) signals. (Actual results depend on the television.)



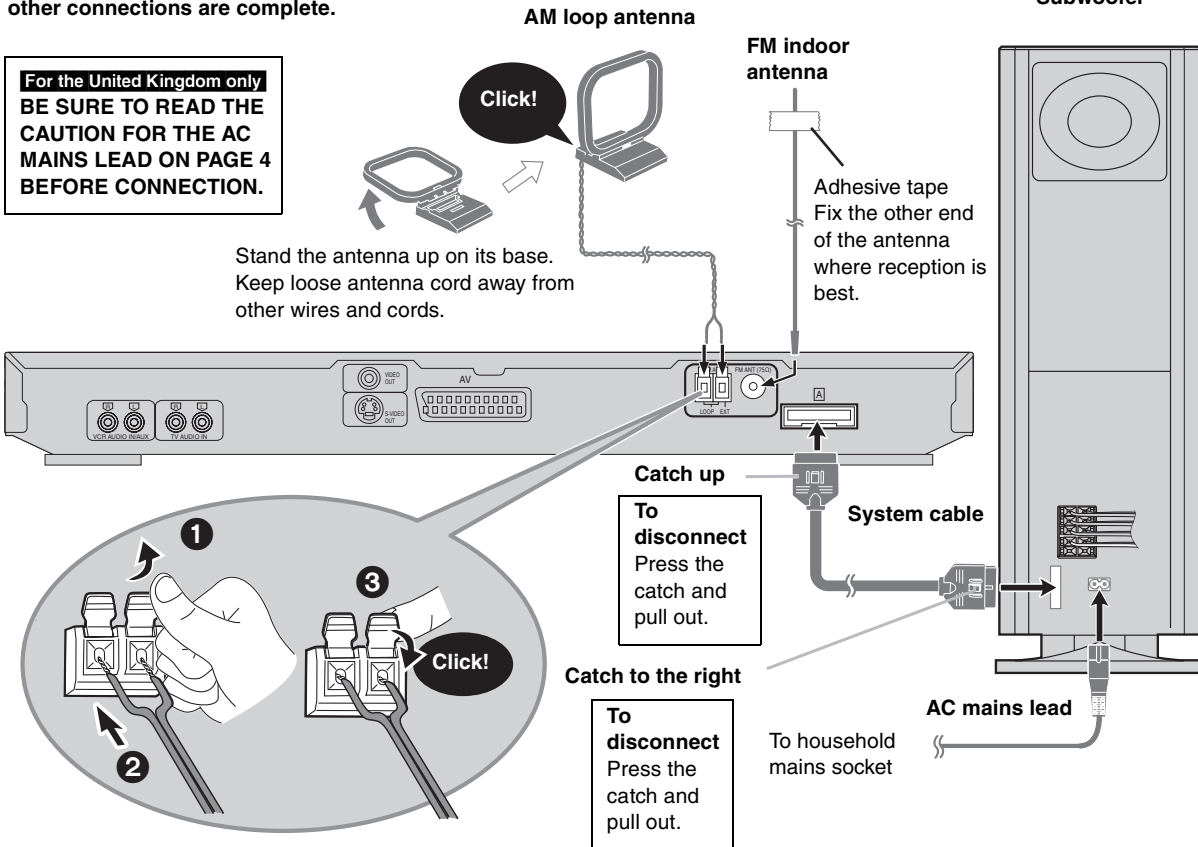
# STEP 4

## Connecting the subwoofer, antennas, and AC mains lead



Connect the AC mains lead after all other connections are complete.

**For the United Kingdom only**  
BE SURE TO READ THE CAUTION FOR THE AC MAINS LEAD ON PAGE 4 BEFORE CONNECTION.



### Conserving power

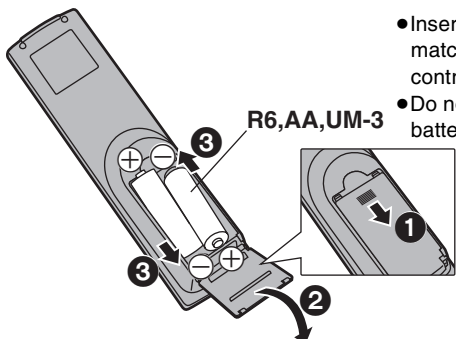
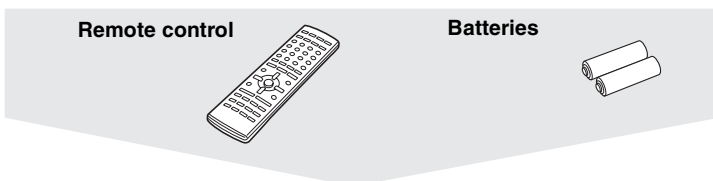
The unit consumes power [approx. 0.7 W (Subwoofer)] even when it is turned off with [⏻]. To save power when the unit is not to be used for a long time, unplug it from the household mains socket.

Remember to reset the radio stations and any other memory items before using the unit again.

Information you enter into the unit's memory remains intact for up to 2 weeks after the AC mains lead is disconnected.

# STEP 5

## The remote control



- Insert so the poles (+ and -) match those in the remote control.
- Do not use rechargeable type batteries.

### Do not;

- mix old and new batteries.
- use different types at the same time.
- heat or expose to flame.
- take apart or short circuit.
- attempt to recharge alkaline or manganese batteries.
- use batteries if the covering has been peeled off.

Mishandling of batteries can cause electrolyte leakage which can damage items the fluid contacts and may cause a fire.

Remove if the remote control is not going to be used for a long period of time. Store in a cool, dark place.

### Use

Aim at the sensor, avoiding obstacles, at a maximum range of 7 m directly in front of the unit.

# Other speaker setup options

## Attaching to a wall

### Note

The wall or pillar on which the speakers are to be attached should be capable of supporting 10 kg per screw.

### 1

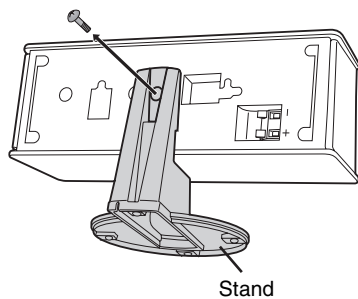
**For the United Kingdom and Continental Europe**

### Remove the stand before attaching the front and center speakers.

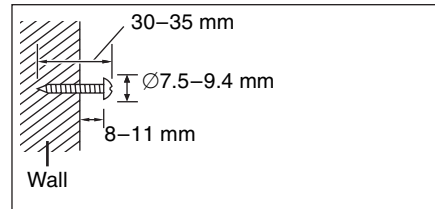
#### BEFORE REMOVING THE STAND

- Take the speaker cable out of the stand's hole if it is threaded through.
- Lay the speaker on a soft cloth.

Unscrew the screw with a Phillips-head screwdriver.

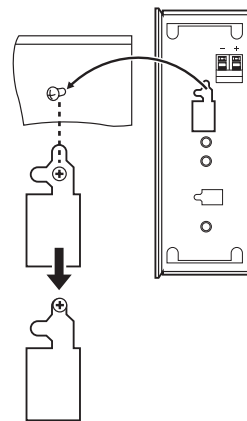


### 2 Screw a screw (not included) into the wall.

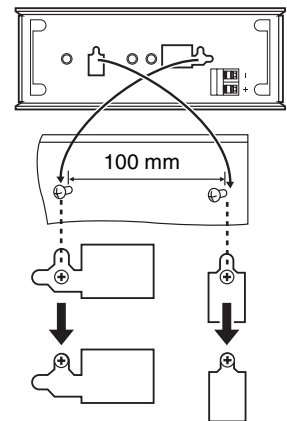


### 3 Fit the speaker securely onto the screw with the hole or holes.

#### Vertical



#### Horizontal



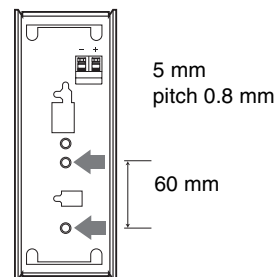
## Fitting speaker stands (optional)

### Preparation

Remove the stand (→ step 1 above).

Ensure the stands meet these conditions before purchasing them.

- Observe the diameter and length of the screws and the distance between screws as shown in the diagram.
- The stands must be able to support over 10 kg.
- The stands must be stable even if the speakers are in a high position.



### Notes on speaker use

- You can damage your speakers and shorten their useful life if you play sound at high levels over extended periods.
- Reduce the volume in the following cases to avoid damage.
  - When playing distorted sound.
  - When the speakers are receiving howling from a record player, noise from FM broadcasts, or continuous signals from an oscillator, test disc, or electronic instrument.
  - When adjusting the sound quality.
  - When turning the unit on or off.

### If irregular coloring occurs on your television

These speakers are designed to be used close to a television, but the picture may be affected with some televisions and set-up combinations.

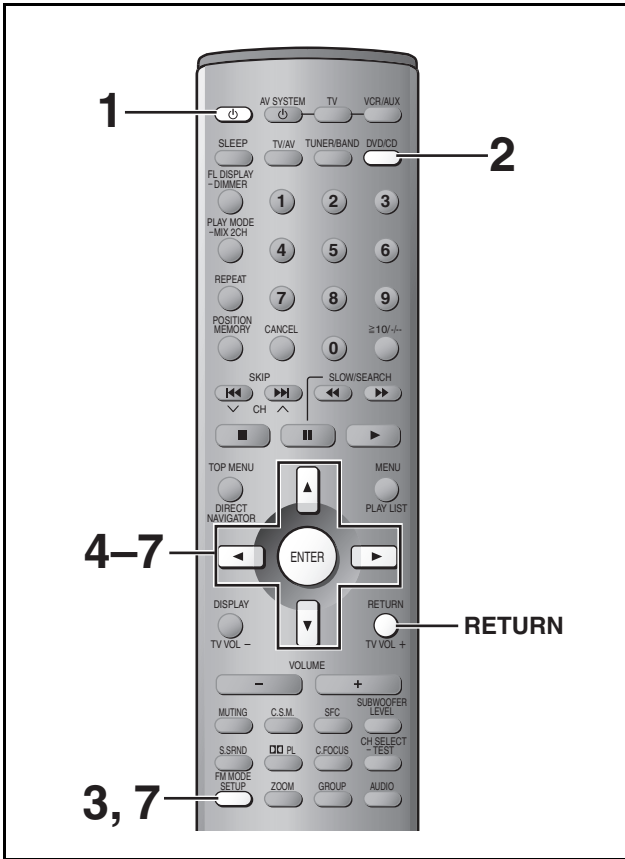
### If this occurs, turn the television off for about 30 minutes.

The television's demagnetizing function should correct the problem. If it persists, move the speakers further away from the television.

### Caution

- Use the speakers only with the recommended system. Failure to do so may lead to damage to the amplifier and/or the speakers, and may result in the risk of fire. Consult a qualified service person if damage has occurred or if you experience a sudden change in performance.
- Do not attempt to attach these speakers to walls using methods other than those described in this manual.

# STEP 6 QUICK SETUP

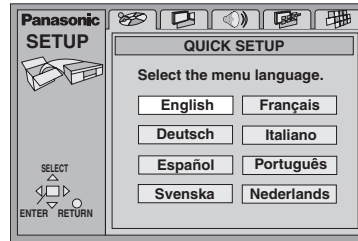


The **QUICK SETUP** screen appears when you press [SETUP] the first time after purchase and assists you to make necessary settings. You can access this screen again later if you need to (⇒ page 31, Others—QUICK SETUP).

## Preparation

Turn on the television and select the appropriate video input on the television to suit the connections for the unit.

- 1 Press [POWER] to turn on the unit.
- 2 Press [DVD/CD] to select “DVD/CD” as the source.
- 3 Press [SETUP] to show the **QUICK SETUP** screen.



- 4 Press [▲, ▼] to select the menu language and press [ENTER].
  - 5 Press [▲, ▼] to select “Yes” to continue and press [ENTER].
  - 6 Press [▲, ▼, ◀, ▶] to select the item and press [ENTER].
    - Audio Language (⇒ page 31)
    - Subtitle Language (⇒ page 31)
    - TV Type (⇒ below)
    - TV Aspect (⇒ below)
- For the United Kingdom and Continental Europe**
- AV Output (⇒ page 31)
- 7 Press [ENTER] and then [SETUP] to end the settings.

## To return to the previous screen

Press [RETURN].

## ■ TV Type

Select to suit the type of television.

- Standard (Direct View TV) (factory preset)
- CRT Projector
- LCD TV/Projector
- Projection TV
- Plasma TV

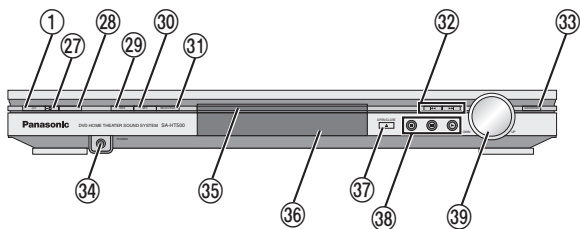
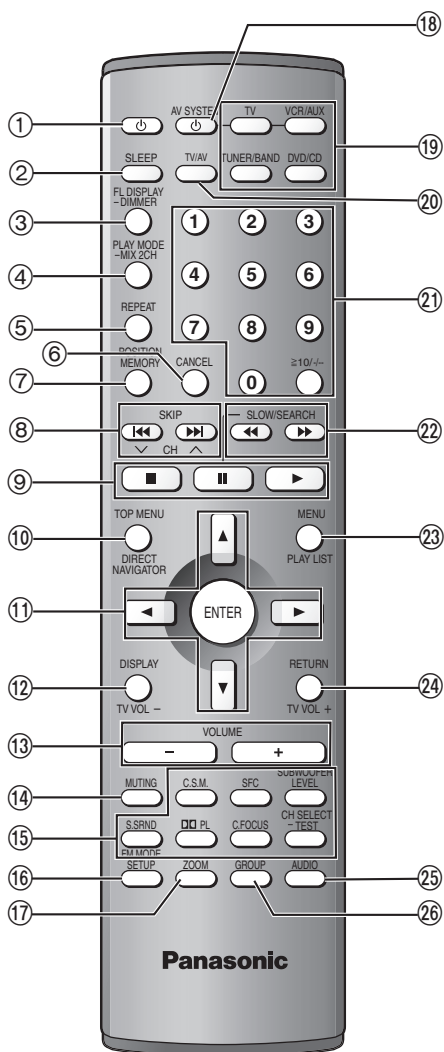
## ■ TV Aspect

Select “4:3” (regular) or “16:9” (widescreen) to suit your television.

If you have a regular 4:3 television, you can also select how video on some discs is shown (⇒ page 31, Video—TV Aspect).

- 4:3 Pan&Scan (factory preset)  
Widescreen software is expanded to fill the screen of a 4:3 aspect television (unless prohibited by the producer of the disc).
- 4:3 Letterbox  
Widescreen software is shown in the letterbox style on a 4:3 aspect television.





## Remote control

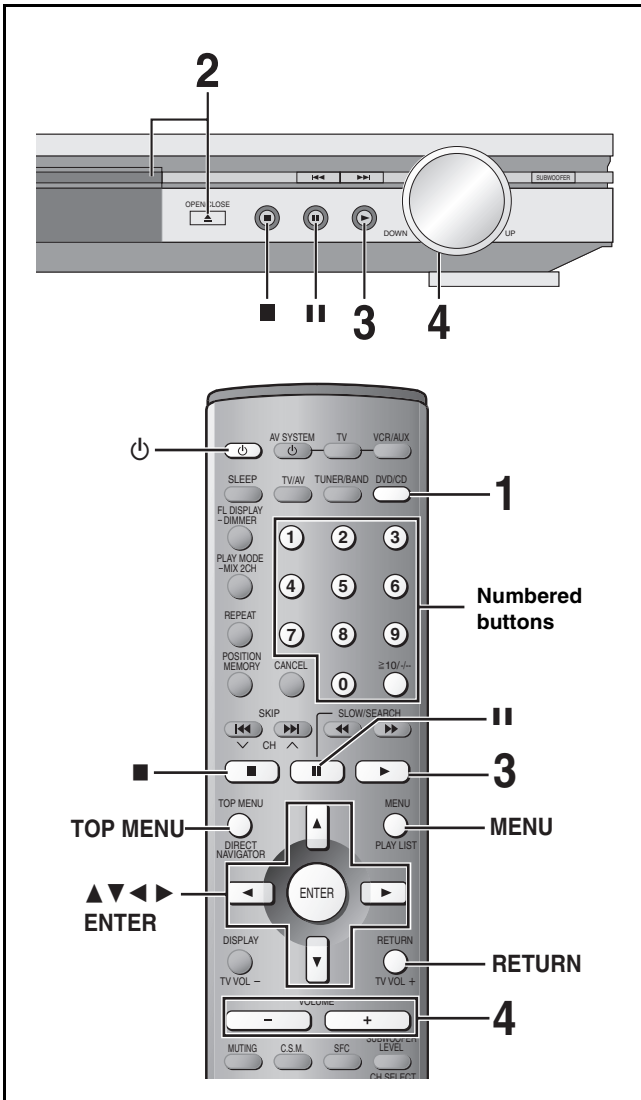
- ① Standby/on switch [⏻] .....11
- ② Sleep button [SLEEP] .....30
- ③ FL display, Dimmer button [FL DISPLAY, -DIMMER]...27, 30
- ④ Play mode, Mix 2ch button [PLAY MODE, -MIX 2CH] .....17, 27
- ⑤ Repeat button [REPEAT] .....16
- ⑥ Cancel button [CANCEL] .....17
- ⑦ Position memory button [POSITION MEMORY] .....14
- ⑧ Skip, Preset channel, TV channel buttons [◀◀ ▶▶], [SKIP, √ CH ^] .....15, 26, 34
- ⑨ Basic operation buttons .....13
- ⑩ Top menu, Direct navigator button [TOP MENU, DIRECT NAVIGATOR] .....13, 22
- ⑪ Cursor buttons [▲, ▼, ◀, ▶], Enter button [ENTER] .....11
- ⑫ Display, TV volume down button [DISPLAY, TV VOL-] .....23, 34
- ⑬ Volume buttons [-, +, VOLUME] .....13
- ⑭ Muting button [MUTING] .....30
- ⑮ Sound field, sound quality buttons .....28, 29
- ⑯ FM mode, Setup button [FM MODE, SETUP] .....11, 26
- ⑰ Zoom button [ZOOM] .....18
- ⑱ AV system standby/on button [⏻, AV SYSTEM] .....34
- ⑲ Source select buttons
  - Face towards this unit to change the source.
  - Press [TV] or [VCR/AUX] first to operate a Panasonic television or video cassette recorder (➡ page 34).
- ⑳ TV/AV button [TV/AV] .....34
- ㉑ Numbered buttons [1-9, 0, ≧10/-/-] .....13
- ㉒ Slow/search, Tuning buttons [◀◀ ▶▶ SLOW/SEARCH] .....15, 26
- ㉓ Menu, Play list button [MENU, PLAY LIST] .....13, 22
- ㉔ Return, TV volume up button [RETURN, TV VOL+] .....11, 34
- ㉕ Audio button [AUDIO] .....19
- ㉖ Group button [GROUP] .....15

## Main unit

- ① Standby/on switch [⏻/⏿] .....11  
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.
- ⑲ Standby/on indicator  
When the unit is connected to the AC mains supply, this indicator lights up in standby mode and goes out when the unit is turned on.
- ⑳ Remote control signal sensor
- ㉑ RDS button [RDS] .....27
- ㉒ SFC button [SFC] .....29
- ㉓ Source select button [SELECTOR]  
DVD/CD→FM→AM→TV→VCR/AUX
- ㉔ Skip, Preset channel buttons [◀◀ ▶▶] .....15, 26
- ㉕ Subwoofer level button [SUBWOOFER] .....29
- ㉖ Headphone jack [PHONES] .....30
- ㉗ Disc tray .....13
- ㉘ Display
- ㉙ Open/close button [▲, OPEN/CLOSE] .....13
- ㉚ Basic operation buttons .....13
- ㉛ Volume control [VOLUME, DOWN, UP] .....13

## Subwoofer

- ④ AC supply indicator [AC IN]  
This indicator lights when the unit is connected to the AC mains supply.



RAM DVD-A DVD-V VCD CD WMA MP3

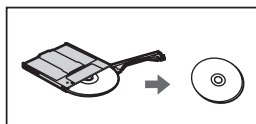
### Preparation

- Press [⏻] to turn on the unit.
- Turn on the television and select the appropriate video input on the television to suit the connections for the unit.

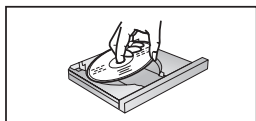
**1** Press [DVD/CD] to select “DVD/CD” as the source.

**2** Press [▲] to open the disc tray and place the disc.

- Remove TYPE 2 and 4 discs from their cartridges before use. **RAM**



- Label-up (With double-sided discs, load so the label for the side you want to play is facing up.)



**3** Press [▶] (play).

The disc tray closes and play begins.

**WMA** **MP3** **CD** (CD text only)

Group and track names are displayed on the television.

- To turn the display on or off → page 24, Disc information ⑤
- You can also use the navigation menus to control play (→ page 20).

**4** Adjust the volume.

-- dB ▲ 0 dB

(Minimum) (Maximum)

### ■ To pause play

Press [⏸] during play.

Press [▶] (play) to restart play.

### ■ To stop play

Press [■] (→ page 14, Resume function).

### Note

- If “⊘” appears on the television

The operation is prohibited by the unit or disc.

- It may take some time for play to start but this is normal.

### When a menu appears on the television

**DVD-A** **DVD-V** **VCD**

**Press the numbered buttons to select an item.**

### To select a 2-digit number

Example: To select item 23, press [≥10] → [2] → [3].

- When playing DVDs, you can also use [▲, ▼, ◀, ▶] to select items. Press [ENTER] to confirm your selection.

### To return to the menu screen

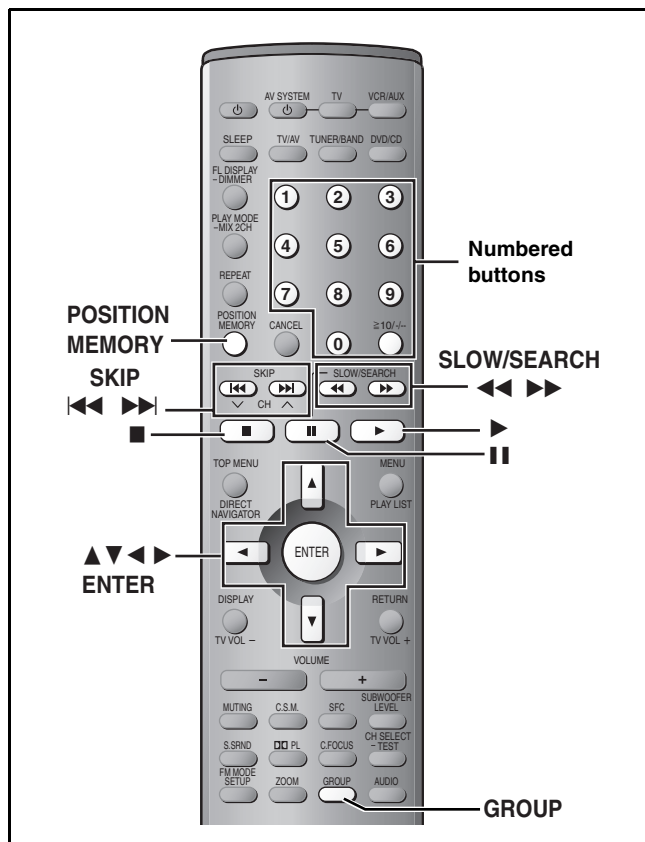
**DVD-A** **DVD-V** [TOP MENU]: Shows the first menu screen.

**DVD-V** [MENU]: Shows the menu screen.

**VCD** [RETURN]: Shows the menu screen.

### Note

- The disc continues to rotate while the menu is displayed even after you finish playing an item. Press [■] when you finish to preserve the unit's motor and your television screen.



## Starting play from a selected item

RAM DVD-A DVD-V VCD CD WMA MP3

### Press the numbered buttons to select the item.

Play starts from the selected item.

#### To select a 2-digit number

Example: To select track 23, press [≧10] → [2] → [3].

WMA MP3 [2] → [3] → [ENTER]

#### Note

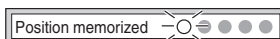
This works only when stopped with some discs.

## Position Memory function

RAM DVD-A DVD-V VCD CD WMA MP3

### During play

### Press [POSITION MEMORY] to memorize a position.



Press again to replace the position.

This position is saved even if you turn the unit off, change the source or open the disc tray. When you turn the unit on, reselect "DVD/CD" or reinsert the disc whose position you memorized, "RESUME" lights on the display. Press [▶] (play) to start play from the memorized position. The position is cleared.

- You can memorize positions on up to five different discs at a time. When you memorize another position, the earliest position is replaced.

### Resume function

"RESUME" lights on the display when the unit has recorded the position at which you stopped play.

Press [▶] (play) to start play from that position.

- The position is cleared when you:
  - Turn the unit off.
  - Select another source or open the disc tray.
- Press [■] to clear the position.

### Chapter Review

#### DVD-V

The following message appears immediately after you press [▶] (play) when "RESUME" is displayed.

Press PLAY to Chapter Review

Press [▶] (play) while the message is displayed and the beginning portions of each chapter up to the current one are played.

Full play resumes from the point where you pressed [■] or [POSITION MEMORY].

(This feature works only within a title.)

If you do not press [▶] (play), the message disappears and play starts from where you pressed [■] or [POSITION MEMORY].

## Skipping items

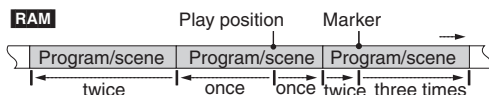
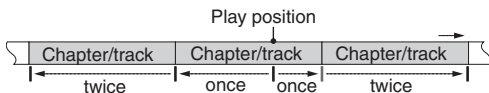
RAM DVD-A DVD-V VCD CD WMA MP3

During play or while paused

Press [**⏮**] or [**⏭**].

- Each press increases the number of skips.

DVD-A DVD-V VCD CD WMA MP3



## Fast forward and rewind—SEARCH

RAM DVD-A DVD-V VCD CD WMA MP3

During play

Press [**⏮**] or [**⏭**].

- Audio will be heard during search for most discs. You can turn this audio off if you want to (⇒ page 31, Audio—Audio during Search).
- DVD-V You can slow down or speed up play (⇒ page 23).

## Slow-motion play

RAM DVD-V VCD

DVD-A (Motion picture parts only)

While paused

Press [**⏮**] or [**⏭**].

## Frame-by-frame viewing

RAM DVD-V VCD

DVD-A (Motion picture parts only)

While paused

Press [**⏪**] or [**⏩**].

The frame changes each time you press the button.

- The frames change in succession if you press and hold the button.
- Pressing [**⏪**] also activates forward frame-by-frame.

### Notes

- The speed of search and slow-motion increases up to 5 steps.
- Press [**▶**] (play) to restart play.
- You cannot move backwards with Video CD during frame-by-frame and slow-motion.

### When playing Video CDs with playback control

Pressing buttons to perform skip, search or slow-motion may take you to a menu screen.

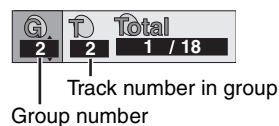
## Selecting groups to play

DVD-A WMA MP3

1 During play

Press [**GROUP**].

Example MP3



2 Press the numbered buttons to select the group and press [**ENTER**].

3 Press the numbered buttons to select the track number and press [**ENTER**].

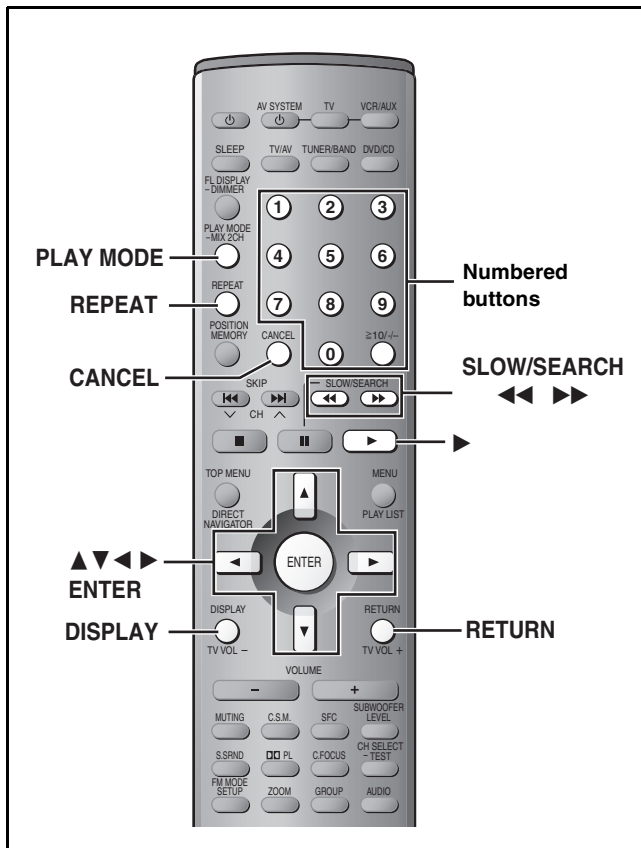
DVD-A

Playing all the groups in succession (⇒ page 17, All group play)

Playing bonus groups

Some discs contain bonus groups. If a password screen appears after selecting a group, enter the password with the numbered buttons. Refer also to the disc's jacket.





## Repeat play

**RAM** **DVD-A** **DVD-V** **VCD** **CD** **WMA** **MP3**

During play  
Press [**REPEAT**].

Each time you press the button:

**RAM**

Program → All (Entire disc) → Off

• During play list play

Scene → Playlist → Off

**DVD-V**

Chapter → Title\* → Off

**VCD** **CD**

Track → All (Entire disc) → Off

**DVD-A** **WMA** **MP3**

Track → Group\* → Off

※ During all group (**DVD-A**), program and random play

“All” is displayed.



### ■ To repeat only your favorite tracks/chapters

Start program play (→ page 17) and press [**REPEAT**] to select the repeat mode.

## A-B repeat play

**RAM** **DVD-A** **DVD-V** **VCD** **CD** **WMA** **MP3**

You can repeat a section between points A and B within a program, title or track.

### 1 During play

Press [**DISPLAY**] until the unit information screen is displayed

(→ page 24).

### 2 Press [**▲**, **▼**] to select the play menu.



A-B Repeat

### 3 Press [**◀**, **▶**] to select “A-B Repeat” and

① Press [**ENTER**] at the starting point (A).

② Press [**ENTER**] at the finishing point (B).



A-B repeat starts.



To return to the normal play

Press [**ENTER**] again.

To clear the menus

Press [**RETURN**] until the menu disappears.

## Common procedures for all group, program and random play

### While stopped

Press [PLAY MODE].

Each time you press the button:

All group (DVD-A) → Program → Random  
 ↑ Off (Normal play) ↓

### DVD-A

If you select bonus groups, you will have to enter a password (→ page 15).

## All group play

### DVD-A

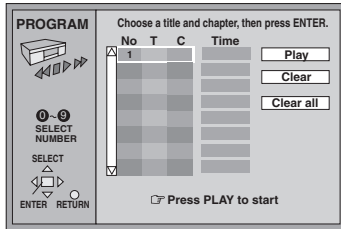
Press [▶] (play).

ALL

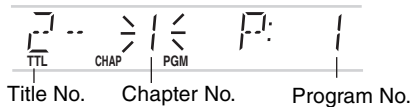
## Program play

You can select up to 32 items to play in the order you choose.

Example DVD-V



**1 Press the numbered buttons to select a title, chapter, group or track (WMA MP3 then press [ENTER]).**



### •To select a 2-digit number

Example: To select item 25, press [≥10] ⇒ [2] ⇒ [5].

WMA MP3: [2] ⇒ [5] ⇒ [ENTER].

### •Repeat this step to program other items.

### •To select an item using the cursor buttons

Press [ENTER] and [▲, ▼] to select an item, then press [ENTER] again to register the number.

All the items in the selected disc, title or group are selected when you select "ALL".

**2 Press [▶] (play).**

### To add or change the program

Press [▲, ▼] to select an available item, then repeat step 1.

### To move to the page before or after the one shown

Press [◀, ▶].

### To clear an item

- 1 Select the item you want to clear with [▲, ▼].
- 2 Press [CANCEL], or select "Clear" with [▲, ▼, ◀, ▶] and press [ENTER].

### To clear the whole program

Select "Clear all" with [▲, ▼, ◀, ▶] and press [ENTER].

### Note

- DVD-V WMA MP3

Times are not displayed while programming.

- The program is cleared when you switch the unit to standby, open the disc tray, select another source, or exit the program mode by pressing [PLAY MODE].

## Random play

**1**

### DVD-A DVD-V

**Press the numbered buttons to select a title or a group.**

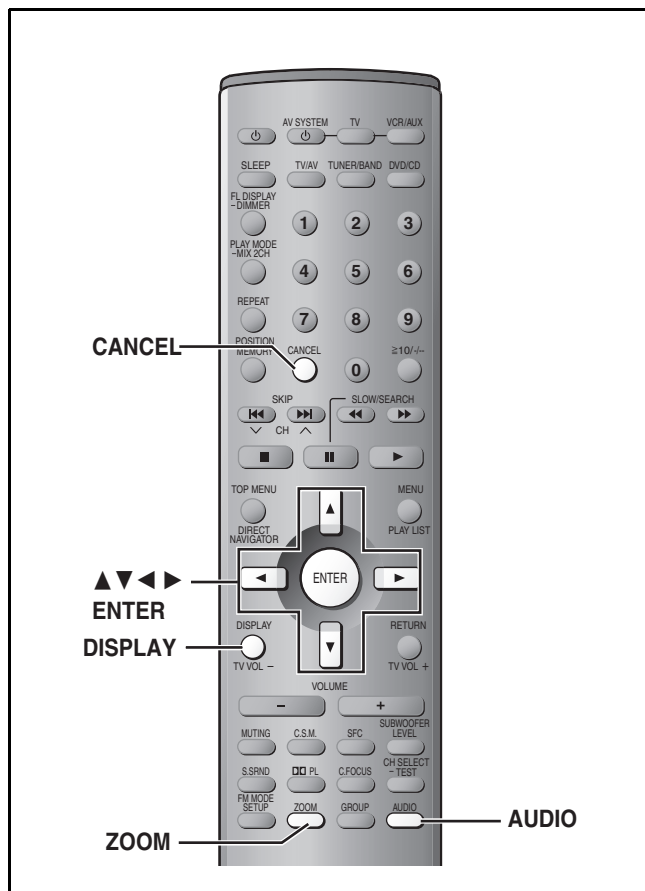
Example DVD-V



### DVD-A

- You can select more than one group.
- To enter all groups, select "All" using [◀, ▶] and press [ENTER].
- To deselect a group, press the numbered buttons corresponding to the group you want to clear.

**2 Press [▶] (play).**




## Marking places to play again

**RAM** **DVD-A** **DVD-V** **VCD** **CD** **WMA** **MP3**

You can mark a position so you can return to it easily at a later time.

- 1** During play  
Press **[DISPLAY]** until the unit information screen is displayed (⇒ page 24).
- 2** Press **[▲, ▼]** to select the play menu.  
Example **DVD-V**



Marker
- 3** Press **[◀, ▶]** to select “Marker” and press **[ENTER]**.  
**RAM**  
Press **[▶]** to select an asterisk (\*).
- 4** Press **[ENTER]** at the point you want to mark.

### To mark another position

Up to 5 points (**RAM** only: up to 999 points)

- Press **[▶]** to select “\*”.
- Press **[ENTER]** at the point.

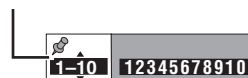
### To recall or erase a marker

- Press **[◀, ▶]** to select a marker.
- Press **[ENTER]** to recall or press **[CANCEL]** to erase.

### RAM

#### To mark the eleventh point and beyond

- Press **[◀, ▶]** to select the marker pin icon.



- Press **[▲, ▼]** to select “11–20”.

You can select the next group when the current group is full.

### Note

Markers added with this unit clear when you switch the unit to standby, change the source, or open the disc tray.

## Variable Zoom function

**RAM** **DVD-V** **VCD**

**DVD-A** (Motion picture parts only)

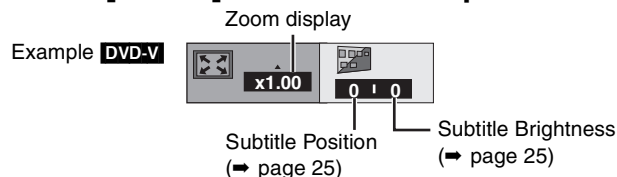
Change the zoom ratio so the picture expands to the optimum size to fill the screen.

### Preparation

Change the setting “TV Aspect” to suit your television (⇒ page 31).

### During play

#### Press **[ZOOM]** to select the aspect ratio.



Each time you press the button:

**4:3 Standard** → **European Vista** → **16:9 Standard**

↑ **Cinemascope2** ← **Cinemascope1** ← **American Vista** ↓

• Refer to the disc’s instructions and “Screen size” below for the aspect ratio of the picture.

### To restore the original ratio

Press **[ZOOM]** until the ratio returns to 1.00.

- The ratio also returns to 1.00 when you open the disc tray, change the source or switch the unit to standby.
- The ratio may return to 1.00 when a menu is displayed.

### Making fine adjustments to the zoom ratio

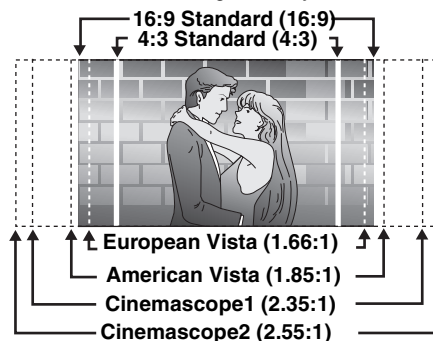
While the ZOOM icon is displayed

Press **[▲, ▼]**.

The ratio changes in 0.01 units between 1.00 and 1.60 and in 0.02 units between 1.60 and 2.00.

### Screen size

Movies are made using a variety of screen sizes.



- “\_” or “\_” is displayed instead of the language number in circumstances such as when no language is recorded on the disc.

## Soundtracks

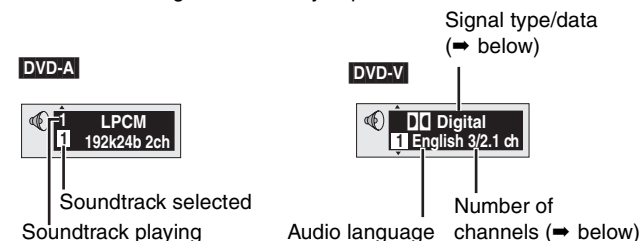
RAM DVD-A DVD-V VCD

(Discs with multiple soundtracks)

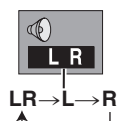
During play

### Press [AUDIO].

The number changes each time you press the button.



RAM VCD



- You can also use this button to turn the vocals on and off on karaoke discs. Read the disc's instructions for details.

DVD-A

- Play restarts from the beginning of the soundtrack when changing soundtracks that are accompanied by still pictures.
- Even if a second soundtrack isn't recorded, two soundtrack numbers will normally be shown when you press [AUDIO]. The soundtrack currently playing is number 1.

### Signal type/data

LPCM/PPCM/Digital/DTS: Signal type

k (kHz): Sampling frequency

b (bit): Number of bits ch (channel): Number of channels

Example:

3/2 .1ch

.1: Low frequency effect  
(not displayed if there is no signal)

0: No surround

1: Mono surround

2: Stereo surround (left/right)

1: Center

2: Front left+Front right

3: Front left+Front right+Center

## Subtitles

DVD-A (Motion picture parts only)

DVD-V

(Discs with multiple subtitle languages)

You can change the subtitle language and turn the subtitles on and off.

RAM

You can turn the subtitles on and off.

### 1 During play

Press [DISPLAY] until the disc information screen is displayed.

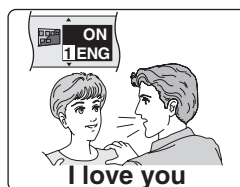


Subtitle Number

### 2 Press [◀, ▶] to select “Subtitle Number”.



### 3 Press [▲, ▼] to select the language.



- In some cases, the subtitle language is not changed to the selected one immediately.
- Refer to “Audio/Subtitle language” (→ page 24) for language abbreviations.

### To clear/display the subtitles

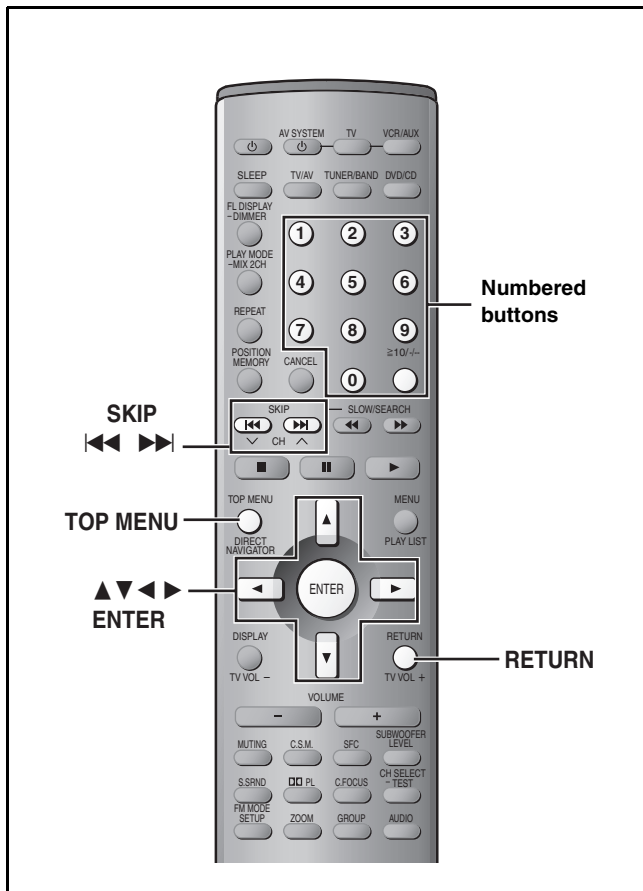
1 Press [◀, ▶] to highlight the following icon.

DVD-A DVD-V RAM



2 Press [▲, ▼] to select “OFF” or “ON”.

### ■ Changing the position and brightness of the subtitles (→ page 25)

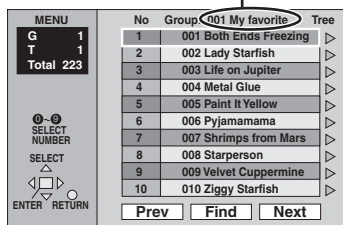


**WMA** **MP3** **CD** (CD text only)

Various numbers help you find items you want to start play.

## 1 Press [TOP MENU].

Example **MP3** navigation menu  
Group name



## 2 Press [▲, ▼] to select a track, and press [ENTER].

"▶" indicates the track currently playing.

### To show other pages

Press [▲, ▼, ◀, ▶] to select "Prev" or "Next" and press [ENTER]. After listing all the tracks in one group, the list for the next group appears.

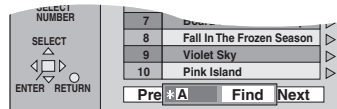
### To exit the navigation menu

Press [TOP MENU].

## Track title search

Example: finding a track including the word "LOVE"

### 1 Press [▲, ▼] to select "Find" and press [ENTER].



### 2 Press [▲, ▼] to select "L" and press [ENTER].

Characters change in alphanumeric order each time you press [▲].

Repeat this step to enter "O", "V", and "E".

- Press [◀, ▶] to skip between A, E, I, O, and U.
- Only uppercase appear but the search also includes lower case.
- Press [◀] to erase a character.
- You can erase the asterisk (\*) to search for the first word in a title.
- You can enter numbers with the numbered buttons.

### 3 Press [▶] to select "Find" and press [ENTER].

The search results screen appears.

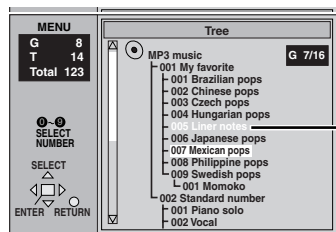
### 4 Press [▲, ▼] to select the track and press [ENTER].

### To return to the navigation menu

Press [RETURN].

## To use the tree screen to find a group **WMA** **MP3**

### 1 Press [▶] while a track is highlighted to display a tree screen.



You cannot select groups that contain no compatible files.

### 2 Press [▲, ▼, ◀, ▶] to select a group and press [ENTER].

The navigation menu for the group appears.

### To return to the navigation menu

Press [RETURN].