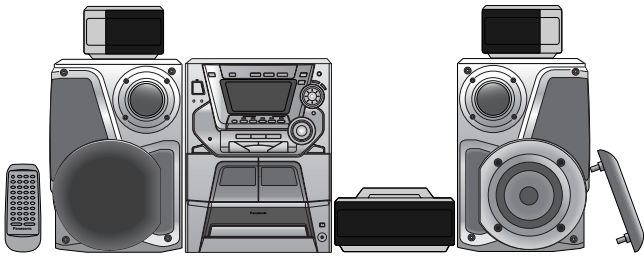


# Panasonic®



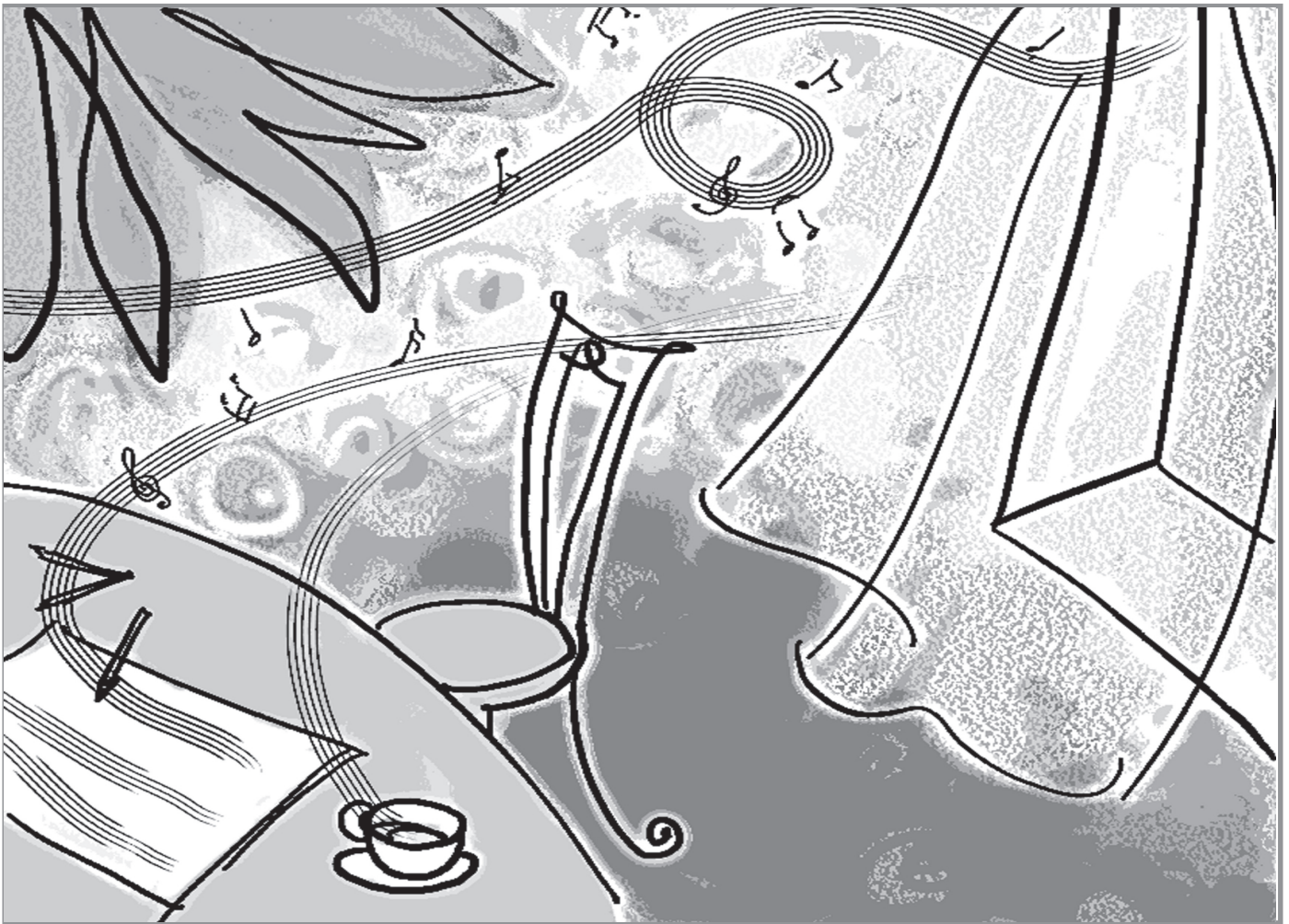
The illustrations show SC-AK77.

## CD Stereo System

### Operating Instructions

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Model No. **SC-AK77**  
**SC-AK66**  
**SC-AK62**



COMPACT  
**disc**  
DIGITAL AUDIO

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

## Dear customer

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

These operating instructions are applicable to the following system.  
These operating instructions, however, fundamentally explain the operation of system SC-AK77.

System		SC-AK77	SC-AK66	SC-AK62
Main unit		SA-AK77	SA-AK66	SA-AK62
Speakers	Front	SB-AK77	SB-AK66	SB-AK66
	Surround	SB-PS70A	SB-PS70A	SB-PS70A
	Center	SB-PC70A	SB-PC70A	SB-PC70A

### 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:

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

### THE FOLLOWING APPLIES ONLY IN THE U.S.A.:

#### CAUTION:

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.

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

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## Table of contents

### Before using

Supplied accessories .....	2
Listening caution .....	3
<b>IMPORTANT SAFETY INSTRUCTIONS</b> .....	4
Placement of speakers .....	5
Connections .....	6
Basic connections (for supplied accessories) .....	7
Optional antenna connection .....	7
Subwoofer connection .....	7
External unit connection .....	8
<b>Concerning the remote control</b> .....	9
Battery installation .....	9
Correct method of use .....	9
<b>Front panel controls</b> .....	10
<b>Turning the demo function off</b> .....	12
<b>Auto-off function</b> .....	12
<b>Setting the time</b> .....	13

### Radio operations

Listening to radio broadcasts .....	14
Presetting radio broadcasts .....	15

### Compact disc operations

Concerning compact discs .....	16
Listening to compact discs .....	17
Direct access play .....	18
Repeat play .....	18
Random play .....	18
Program play .....	19
To listen to special CDs and tracks (CD Manager function) .....	20

### Cassette deck operations

Listening to tapes .....	21
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## Supplied accessories



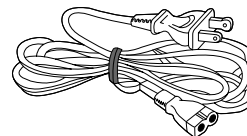
Please check and identify the supplied accessories.

Use numbers indicated in parentheses when asking for replacement parts.

**(Only for U.S.A.)**

**To order accessories contact 1-800-332-5368 or web site (<http://www.panasonic.com>).**

- AC power supply cord ..... 1 pc.  
(RJA0065-A)



- FM indoor antenna (RSA0006-J) ..... 1 pc.



### Recording operations

**Before recording (Deck 2 only) ..... 22**  
**Tape-to-tape recording ..... 23**  
**Recording from radio broadcasts ..... 24**  
**Recording from compact discs ..... 25**  
 To record special CDs and tracks  
 (CD Manager function) ..... 26

### Sound quality/sound field operations

**Using the built-in sound quality/  
 sound field settings ..... 27**  
**Enhancing the sound quality ..... 27**  
**Boosting the super woofer ..... 27**  
**Varying the sound quality with the manual  
 equalizer ..... 28**  
**Varying the sound quality with  
 the acoustic image (AI) equalizer ..... 28**  
**Surround systems ..... 29**  
**6CH DISCRETE INPUT mode ..... 30**  
**Enjoying sound with DOLBY PRO LOGIC ..... 31**  
 To playback a Dolby Surround source with  
 Dolby Pro Logic ..... 31  
**Enjoying sound with stereophonics ..... 32**

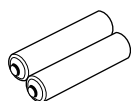
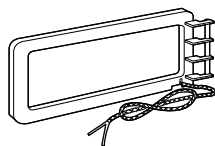
### Timer and others

**Using the timer ..... 33**  
 Using the play/record timer ..... 33  
 Using the sleep timer ..... 34  
**Using an external unit ..... 35**  
**Convenient functions ..... 35**

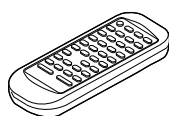
### Reference


**Troubleshooting guide ..... 36**  
**Maintenance ..... 36**  
**Servicenter List (U.S.A.) ..... 37**  
**Warranty (U.S.A.) ..... 38**  
**Specifications ..... 39**  
**Product Service ..... 39**

- AM loop antenna (RSA0029-L) ..... 1 pc.
- Batteries ..... 2 pcs. (R6, AA, UM-3)




- Remote control transmitter ..... 1 pc.
  - SC-AK77: (N2QAHB000013)
  - SC-AK66, SC-AK62: (N2QAHB000014)





## 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.

**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.**

### 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.



# IMPORTANT SAFETY INSTRUCTIONS

Read these operating instructions carefully before using the unit. Follow the safety instructions on the unit and the safety precautions listed below. Keep these operating instructions handy for future reference.


Before using

## Safety

- 1. Power source**—Connect the unit to a power source of the type described in these instructions or as marked on the unit.
- 2. Polarization**—The unit is equipped with a polarized power plug where one blade is wider than the other. This safety feature ensures that the plug fits into your household AC outlet only one way. If the plug doesn't fit one way, try reversing it. If the plug still doesn't fit, contact an electrician to replace the obsolete outlet. Do not attempt to defeat the safety purpose of the plug.
- 3. Power cord protection**—Route the AC power supply cord so that it will not be walked on or pinched by items placed on or against it. Never take hold of the plug or cord with wet hands. Always grasp the plug body firmly when connecting and disconnecting it.
- 4. Overloading**—When connecting the AC power supply cord, be careful not to overload the household AC outlet, extension cord, or outlet from any other device as this can result in fire or electric shock.
- 5. Nonuse periods**—Turn the unit off when it is not in use. Unplug the unit from the household AC outlet if it is not to be used for a long time. Unplug the unit during lightning storms.
- 6. Attachments and accessories**—Use only the attachments and accessories recommended in these operating instructions.

## Installation

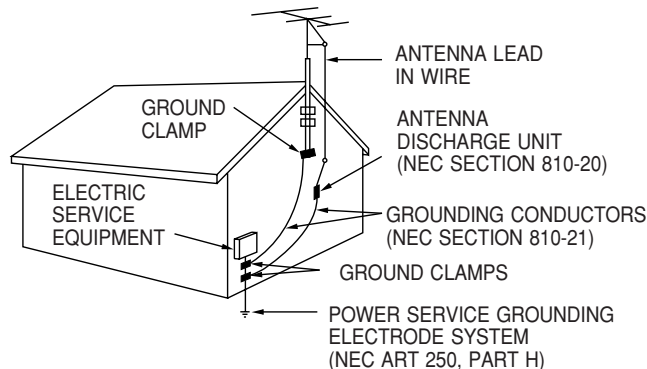
### Placement

- 1. Ventilation**—Situate the unit so that it receives proper ventilation. Do not install in a confined space such as a bookcase or cabinet. Allow at least 10 cm (4 inches) clearance from the rear of the unit. To prevent the risk of electric shock or fire due to overheating ensure curtains and other materials do not obstruct the unit's ventilation.
- 2. Foreign material**—Ensure objects and liquids do not get into the unit. Avoid exposing the unit to excessive smoke, dust, mechanical vibration, and shock.
- 3. Magnetism**—Situate the unit away from equipment and devices that generate strong magnetic fields.
- 4. Stacking**—Do not place heavy objects on top of this unit.
- 5. Surface**—Place the unit on a flat, level surface.
- 6. Carts and stands**—Use the unit only with carts and stands recommended by the manufacturer. Move carts with care. Sudden stops, excessive force, and uneven surfaces can cause carts to overturn. 
- 7. Wall and ceiling mounting**—Do not mount the unit on walls or ceilings unless specified in the instructions.

### Environment

- 1. Water and moisture**—Do not use the unit near water, such as near a bathtub or swimming pool. Avoid damp basements.
- 2. Heat**—Situate the unit away from heat sources, such as radiators. Do not situate where temperatures fall below 5°C (41°F) or rise above 35°C (95°F).
- 3. Power lines**—Take care when setting up an outdoor antenna that it is not near overhead power lines, electric lights, or electrical circuits, and that there is no danger of the antenna falling on power lines, electric lights, or electrical circuits. When installing an outdoor antenna, take extreme care not to touch such power lines or circuits, as contact with them can be fatal.

- 4. Outdoor antenna grounding**—If you connect an outdoor antenna, ground the antenna system to protect against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1990, provides information about 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. Refer to this diagram.



NEC—NATIONAL ELECTRICAL CODE

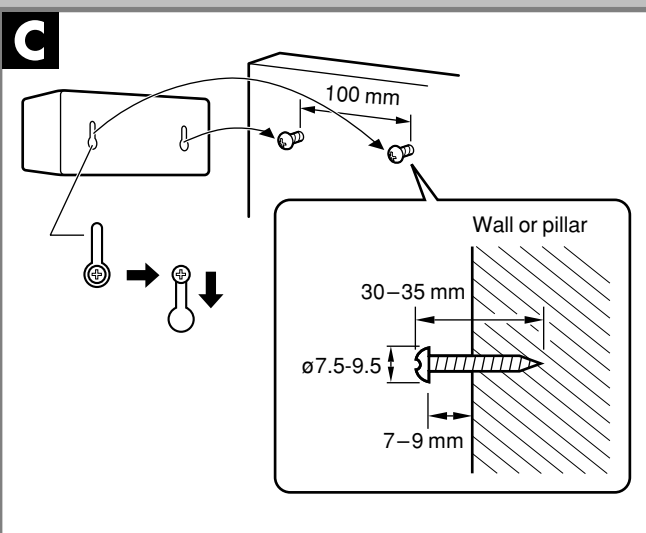
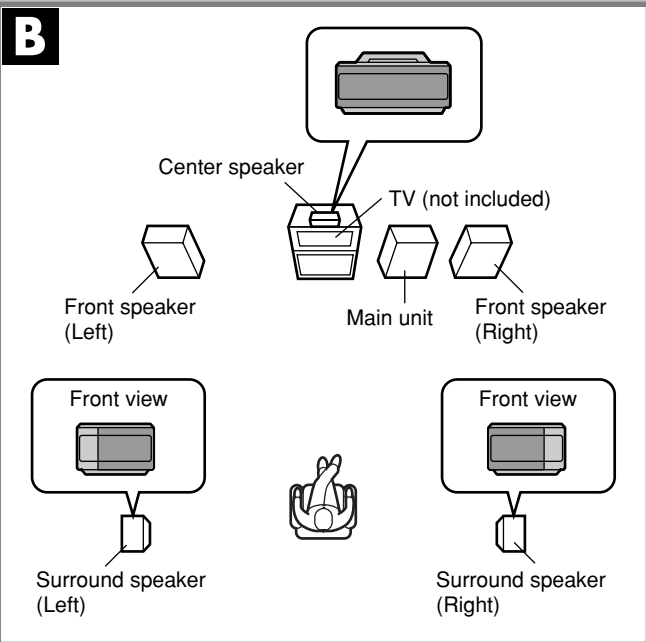
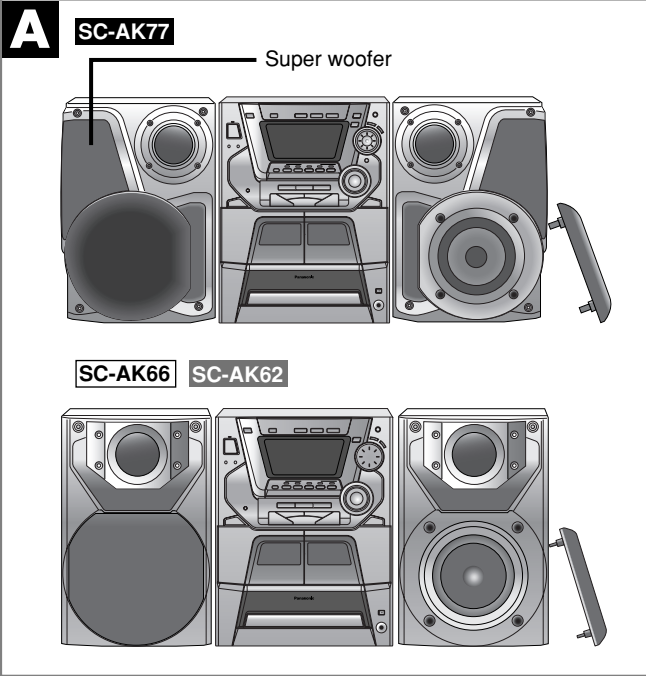
## Maintenance

(See page 36 for details.)

Unplug the unit from the household AC outlet before cleaning. Clean with a damp cloth. Do not use abrasive pads, scouring powders, or solvents.

## Service

- 1. Damage requiring service**—The unit should be serviced by qualified service personnel if:
  - (a) The AC power supply cord or the plug has been damaged;
  - (b) Objects or liquids have gotten into the unit; or
  - (c) The unit has been exposed to rain; or
  - (d) The unit does not operate normally or exhibits a marked change in performance; or
  - (e) The unit has been dropped or the cabinet damaged.
- 2. Servicing**—Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
- 3. Replacement parts**—When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.
- 4. Safety check**—After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.



## Placement of speakers

### A Placement of front speakers

#### SC-AK77

Place the speakers so that the super woofer is on the outside.

#### SC-AK66 SC-AK62

Speakers are designed identically so that no left or right channel orientation is necessary.

#### Note

- Keep your speakers at least 10 mm ( $13/32$ " ) away from the system for proper ventilation.
- To avoid damage to the speakers, do not touch the speaker cones if you have taken the nets off.

### B Placement of center/surround speakers

#### Center speaker

Place the center speaker above your TV, as close to it as possible.

#### Note

Do not place the center speaker on this unit as sound quality will be affected.

#### Surround speakers

As well as enjoying normal stereo reproduction with the left and right front speakers, surround speakers can also be connected to the system in order to enjoy a feeling of depth and movement of sound.

Place the speakers with the Panasonic logo facing toward the listening position.

We recommend that surround speakers be placed on the side of, or slightly behind, the listener at ear level.

However, the position should be adjusted to your personal preference, because the effect varies to some degree depending upon the type of music and the music source.

#### C Attaching to a wall

Set speaker onto screws and slide through bracket to lock into position.

#### Note

The wall or pillar on which the speaker systems are to be attached should be capable of supporting a weight of 5 kg.

#### 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.

#### If irregular coloring occurs on your television

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

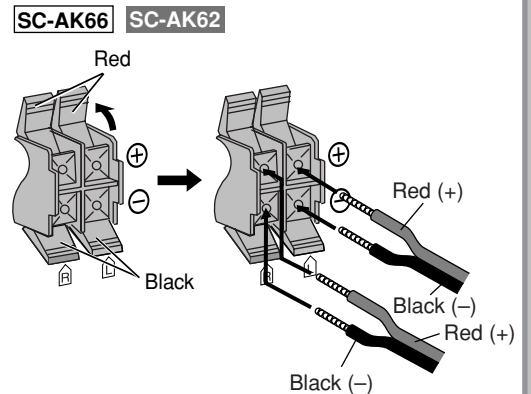
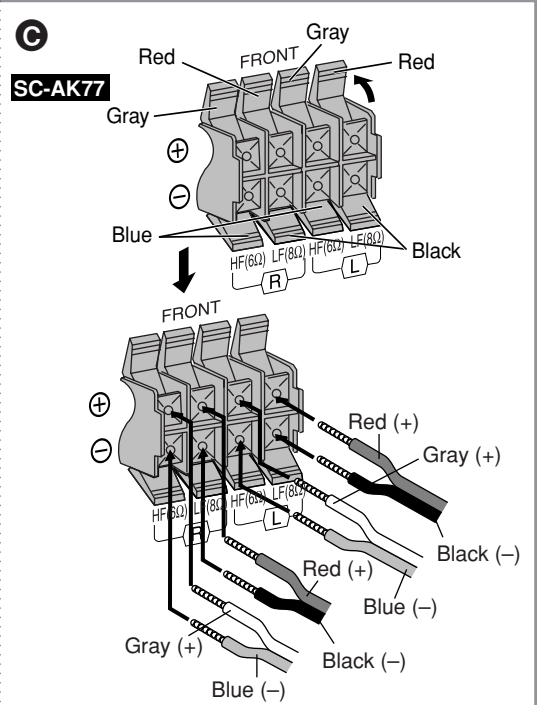
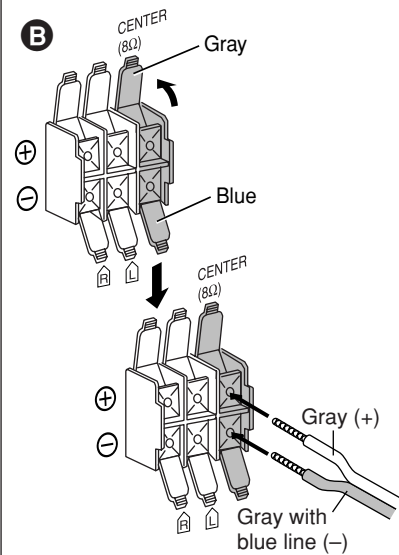
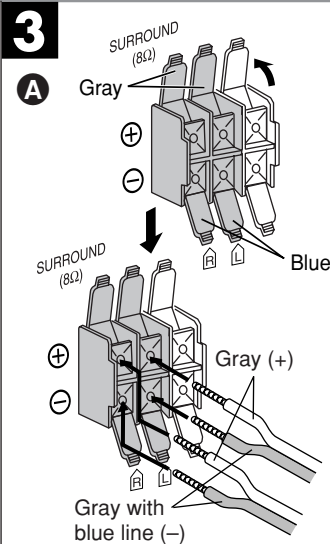
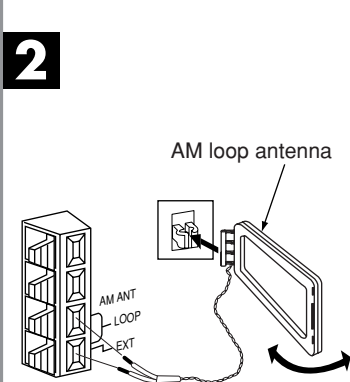
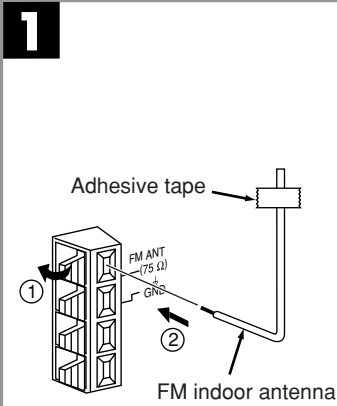
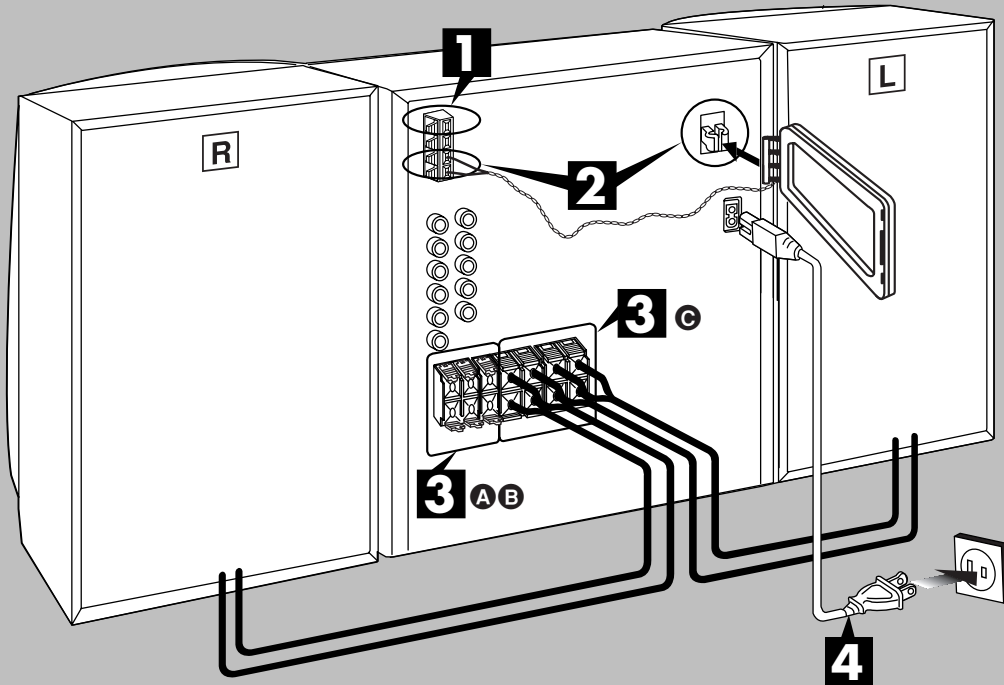
If this occurs, turn the television off for about 30 minutes.

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

#### Note

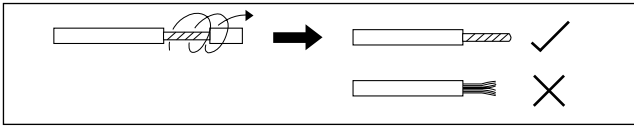
Surround speakers do not have magnetic shielding. Do not place them near televisions, personal computers or other devices easily influenced by magnetism.

Before using



## Basic connections (for supplied accessories)

- Plug the AC power cord into a household AC outlet only after all other connections have been made.
- To prepare the antenna wires and speaker cords, twist the vinyl cover tip and pull off.



### 1 Connect the FM indoor antenna.

Tape the antenna to a wall or column, in a position where radio signals are received with the least amount of interference.

#### Note

**For best reception sound quality:**

An FM outdoor antenna is recommended.

### 2 Connect the AM loop antenna.

After attaching the antenna, turn on the system and tune in a broadcast station. Then, turn the antenna to the angle of best reception and least interference.

### 3 Connect the speaker cables.

**A Surround speaker cords**

**B Center speaker cord**

**C Front (L/R) speaker cords**

Connect each end of the speaker cables to the terminal lever of the same color so (+) and (-) are correct. Never allow the exposed wires to contact each other when connected.

#### SC-AK77 only

LF: Low Frequency      HF: High Frequency

**Incorrect connection can damage the unit.**

#### Caution

**Use only the supplied speakers.**

The combination of the main unit and speakers provide the best sound. Using other speakers can damage the unit and sound quality will be negatively affected.

### 4 Connect the AC power cord.

#### Note

The included AC power supply cord is for use with this unit only. Do not use it with other equipment.

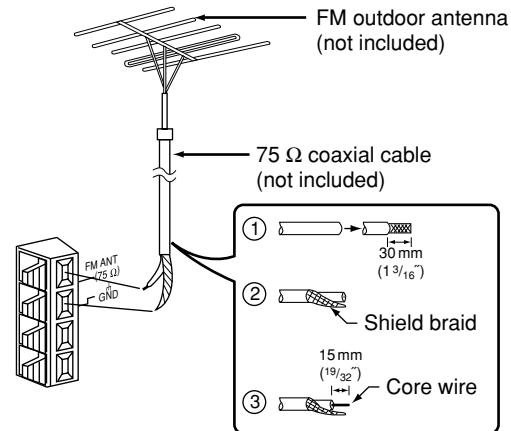
## Optional antenna connections

You may need an outdoor antenna if you use this system in a mountainous region or inside a reinforced-concrete building, etc.

### FM outdoor antenna

Disconnect the FM indoor antenna if an FM outdoor antenna is installed.

- ① Remove a piece of the outer vinyl insulator.
- ② Twist the shield braid.
- ③ Expose the core wire.

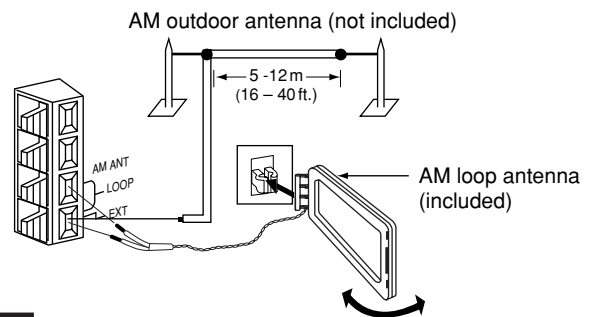


#### Note

An outdoor antenna should be installed by a qualified technician only.

### AM outdoor antenna

Connect the outdoor antenna without removing the AM loop antenna. Run 5 to 12 m of vinyl-covered wire horizontally along a window or other convenient location.

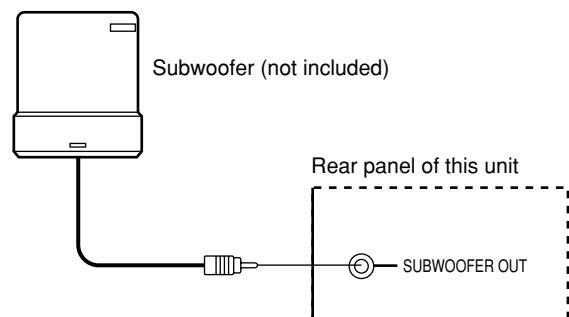


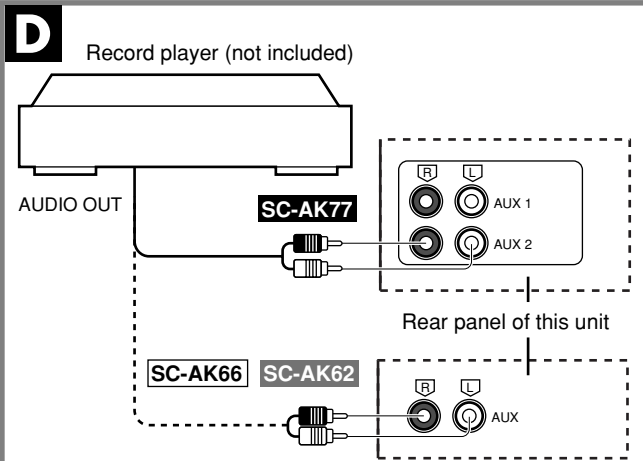
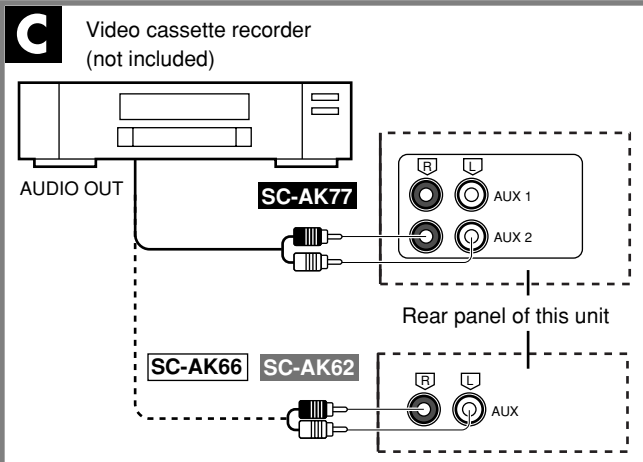
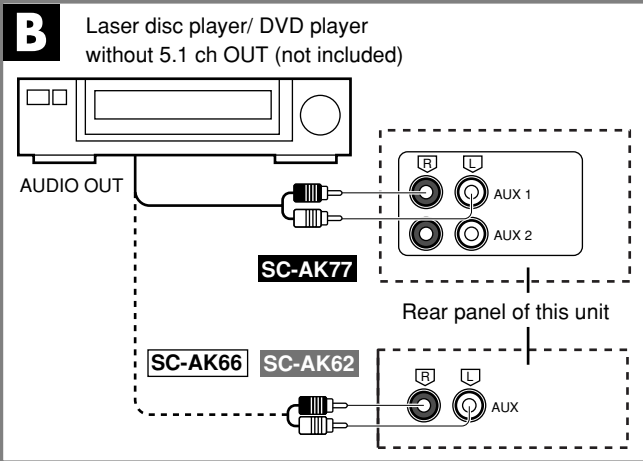
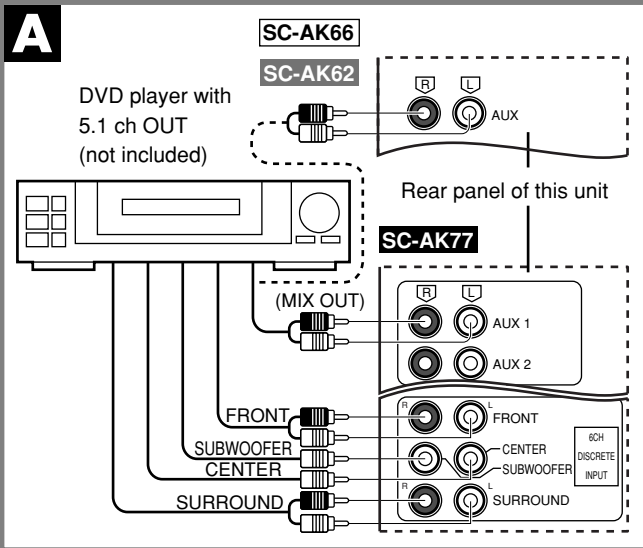
#### Note

When the unit is not in use, disconnect the outdoor antenna to prevent possible damage that may be caused by lightning. Never use an outdoor antenna during an electrical storm.

## Subwoofer connection

You can enhance the bass effect by connecting a subwoofer.





## Connections

### External unit connection

- For details, refer to the manual of the units which are to be connected.
- When units other than those described below are to be connected, please consult with your dealer.

#### A DVD player with 5.1 ch OUT

Sound cannot be produced unless an DOLBY DIGITAL decoder is connected.

A DVD player with a built-in DOLBY DIGITAL decoder is recommended.

This will allow you to enjoy the brilliant images and powerful sounds available on DVD software.

#### B Laser disc player/DVD player (without 5.1 ch OUT)

This unit has Dolby Pro Logic circuitry. If the audio output of video equipment is connected to the AUX 1 or AUX 2 (SC-AK66 and SC-AK62: AUX) terminal of this unit, the sound will be reproduced with the same powerful stereophonic effects found in movie theaters.

#### C Video cassette recorder

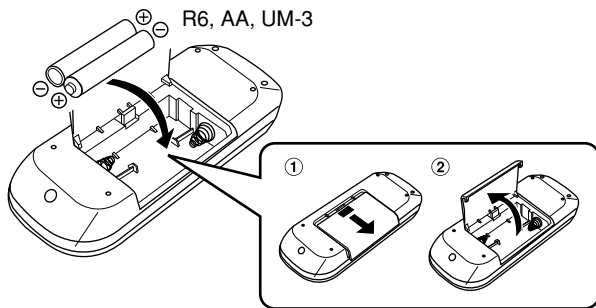
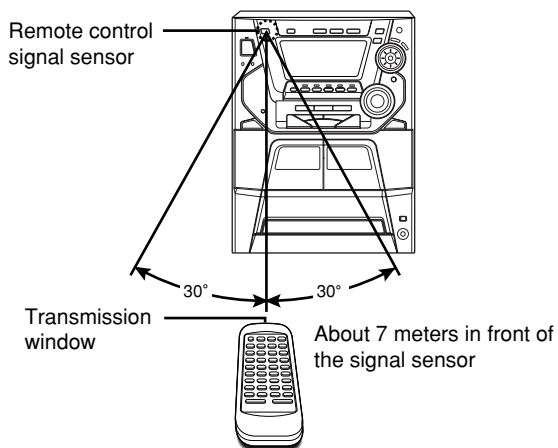
You can enjoy only sound of the video cassette recorder.

#### D Record player

Sound cannot be produced unless a phono equalizer (not included) is connected.

A record player with a built-in phono equalizer is recommended.



**A****B**

## Concerning the remote control

### A Battery installation

Insert the batteries observing the correct polarities (⊕, ⊖).

#### Use of batteries

- Align the poles (+ and –) properly when inserting the batteries.
- Do not mix old and new batteries or different types of batteries.
- Do not recharge ordinary dry cell batteries.
- Do not heat or disassemble the batteries. Do not allow them to contact flame or water.
- Remove the batteries if the unit is not to be used for a long time.
- Do not keep together with metallic objects such as necklaces.
- Do not use rechargeable type batteries.
- Do not 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. If electrolyte leaks from the batteries, consult your dealer. Wash thoroughly with water if electrolyte comes in contact with any part of your body.

### B Correct method of use

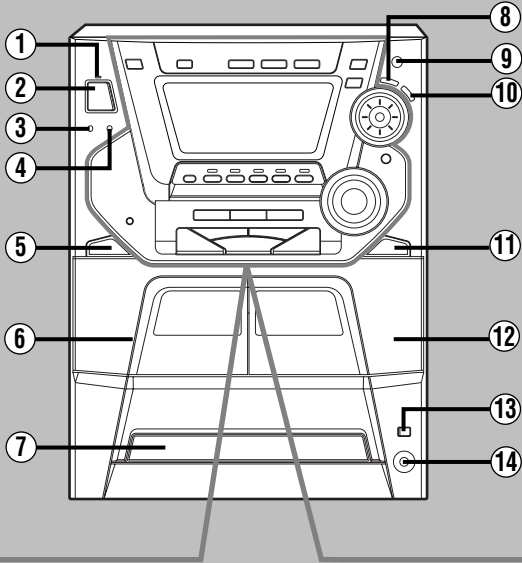
#### Operation notes

- Do not place obstacles between the remote control signal sensor and remote control unit.
- Do not expose the remote control signal sensor to direct sunlight or to the bright light of a fluorescent light.
- Take care to keep the remote control signal sensor and end of the remote control unit free from dust.
- If this system is installed in a rack with glass doors, the glass doors' thickness or color might make it necessary to use the remote control a shorter distance from the system.

#### To prevent damage

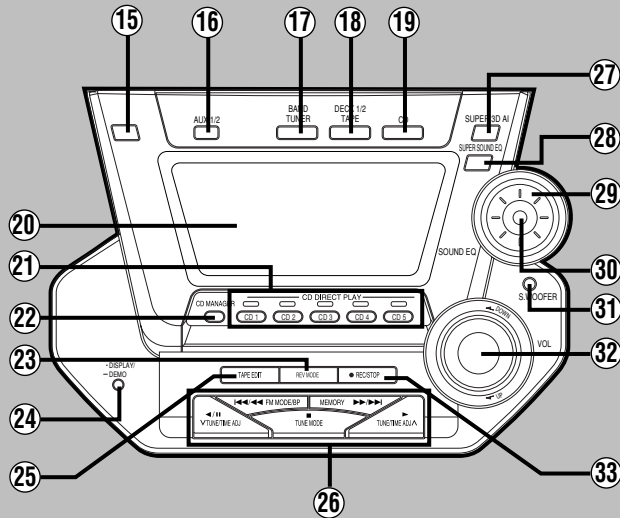
- Never place heavy items on top of the unit.
- Do not disassemble or reconstruct the unit.
- Do not spill water or other liquids into the unit.

**A**

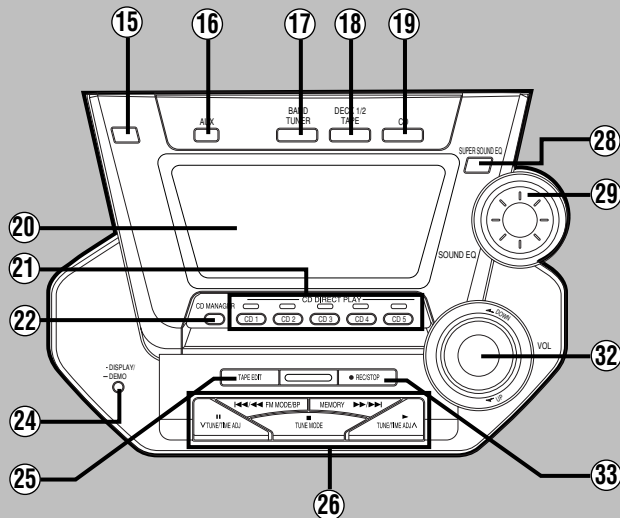


**B**

**SC-AK77**



**SC-AK66 SC-AK62**



**Front panel controls**

**A Main unit**

No.	Name	Ref. page
①	<b>AC supply indicator (AC IN)</b> This indicator lights when the unit is connected to the AC power supply.	
②	<b>Standby/on switch (⏻/I, POWER)</b> ..... 13 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.	13
③	<b>Play timer/record timer button (⌚PLAY/⌚REC)</b> ..... 33	33
④	<b>Clock/timer button (CLOCK/TIMER)</b> ..... 13, 33, 34	13, 33, 34
⑤	<b>Deck 1 open button (⏏ DECK 1 OPEN)</b> ..... 21	21
⑥	<b>Deck 1 cassette holder</b> ..... 21	21
⑦	<b>Disc tray</b>	
⑧	<b>DOLBY PRO LOGIC on/off button (⏏ PL)</b> ..... 31	31
⑨	<b>6-channel input button (6CH INPUT)</b> ..... 30, 35	30, 35
⑩	<b>Surround on/off button (SURROUND)</b> ..... 32	32
⑪	<b>Deck 2 open button (⏏ DECK 2 OPEN)</b> ..... 21	21
⑫	<b>Deck 2 cassette holder</b> ..... 21	21
⑬	<b>CD open/close button (⏏ OPEN/CLOSE)</b> ..... 17	17
⑭	<b>Headphone jack (PHONES)</b> ..... 35	35

**B Center console**

⑮	<b>Remote control signal sensor</b> ..... 9	9
⑯	<b>SC-AK77</b> <b>AUX 1/2 button (AUX 1/2)</b> ..... 35	35
	<b>SC-AK66 SC-AK62</b> <b>AUX button (AUX)</b> ..... 35	35
⑰	<b>Tuner/band select button (TUNER, BAND)</b> ..... 14	14
⑱	<b>Tape/deck select button (TAPE, DECK 1/2)</b> ..... 21	21
⑲	<b>CD button (CD)</b> ..... 20	20
⑳	<b>Display</b>	
㉑	<b>Disc direct play buttons and indicators (CD 1 ~ CD 5)</b> ..... 17	17
㉒	<b>CD manager button (CD MANAGER)</b> ..... 20	20
㉓	<b>SC-AK77 only</b> <b>Reverse mode select button (REV MODE)</b> ..... 21	21
㉔	<b>Display select/demonstration button (-DISPLAY/-DEMO)</b> ..... 12, 35	12, 35
㉕	<b>Tape edit button (TAPE EDIT)</b> ..... 23	23
㉖	<b>Basic operating buttons</b> Functions change according to the source.	
㉗	<b>SC-AK77 only</b> <b>Super 3D AI button (SUPER 3D AI)</b> ..... 28	28
㉘	<b>Super sound EQ button (SUPER SOUND EQ)</b> ..... 27	27
㉙	<b>Jog control (SOUND EQ)</b> ..... 27	27
㉚	<b>SC-AK77 only</b> <b>Joy stick (SOUND EQ)</b> ..... 28	28
㉛	<b>SC-AK77 only</b> <b>Super woofer on/off button (S.WOOFER)</b> ..... 27	27
㉜	<b>Volume control (VOL)</b> ..... 14	14
㉝	<b>Recording start/stop button (● REC/STOP)</b> ..... 24	24

## Front panel controls

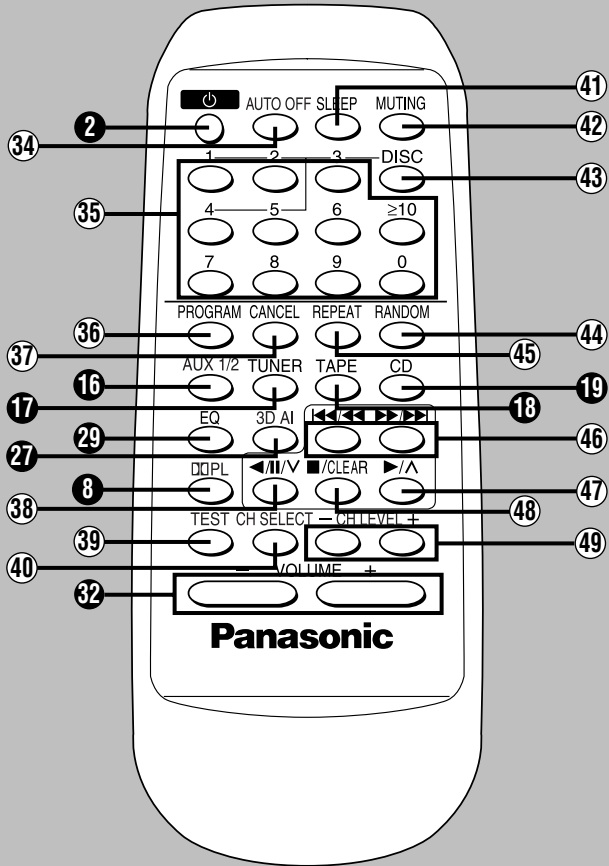
### Remote control

Buttons such as ② functions in exactly the same way as the buttons on the main unit.

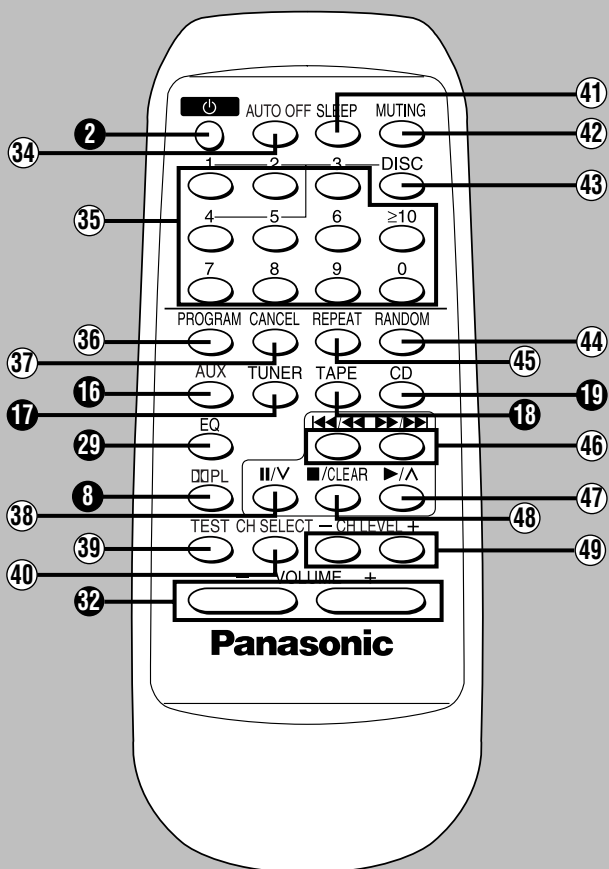
No.	Name	Ref. page
-----	------	-----------

②	Standby/on button (⏻)	13
③④	Auto off button (AUTO OFF)	12
③⑤	Numeric buttons (≥10, 1–9, 0)	15, 18
③⑥	Program button (PROGRAM)	19
③⑦	Cancel button (CANCEL)	19
①⑥	<b>SC-AK77</b> AUX 1/2 button (AUX 1/2)	35
	<b>SC-AK66</b> <b>SC-AK62</b> AUX button (AUX)	35
①⑦	Tuner/band select button (TUNER)	14
②⑨	EQ select button (EQ)	27
②⑦	<b>SC-AK77</b> only 3D AI select button (3D AI)	28
⑧	DOLBY PRO LOGIC on/off button (DOLBY PL)	31
③⑧	<b>SC-AK77</b> Reverse side playback/pause/preset channel select button (◀  /V)	15, 17, 21
	<b>SC-AK66</b> <b>SC-AK62</b> Pause/preset channel select button (  /V)	15, 17
③⑨	Test signal output button (TEST)	31
④①	Channel select button (CH SELECT)	30
③②	Volume buttons (– VOLUME +)	14
④①	Sleep button (SLEEP)	34
④②	Muting button (MUTING)	35
④③	Disc button (DISC)	18
④④	Random button (RANDOM)	18
④⑤	Repeat button (REPEAT)	18
①⑨	CD button (CD)	19
①⑧	Tape/deck select button (TAPE)	21
④⑥	Skip/search buttons (◀◀/◀, ▶▶/▶)	17, 22
④⑦	Play/preset channel select button (▶/∧)	15, 17, 21
④⑧	Stop/program clear button (■/CLEAR)	17, 19, 21
④⑨	Channel level select buttons (– CH LEVEL +)	31

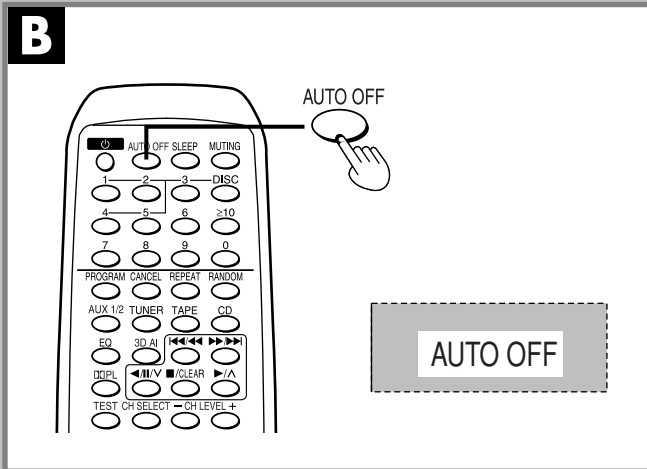
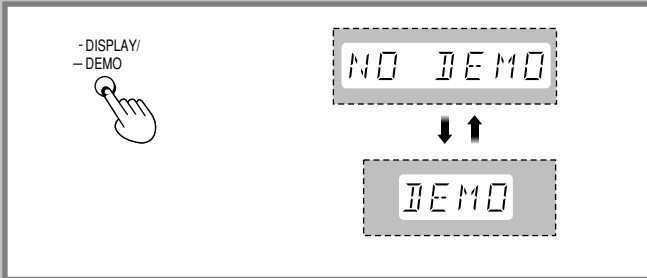
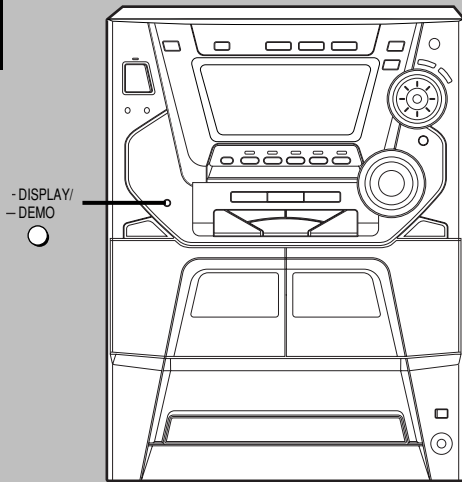
SC-AK77



SC-AK66 SC-AK62



**A**



**A Turning the demo function off**

If the clock has not been set, a demonstration of the display is shown when the unit is switched to standby. This function is set to on at the time of purchase.

**Press and hold [-DISPLAY/-DEMO] until “NO DEMO” is displayed.**

The display changes each time the button is held down. NO DEMO (off) ↔ DEMO (on)

**B Auto-off function**

**by remote control only**

When CD or tape is selected as the source To save power, the unit turns off if it is left unused for ten minutes.

**Press [AUTO OFF].**

“AUTO OFF” is shown on the display.

**Note**

This function does not work if the source is tuner, AUX 1/2 (SC-AK66 and SC-AK62: AUX) or 6CH INPUT.

**To cancel**

Press [AUTO OFF] again to clear “AUTO OFF” from the display.

**For your reference**

The setting is maintained even if the unit is turned off. When the unit is turned on again, “AUTO OFF” is displayed and the unit functions as described above.

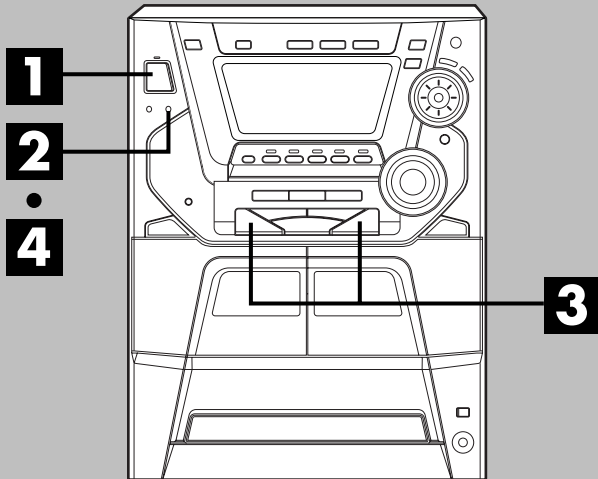
If you select tuner, AUX 1/2 (SC-AK66 and SC-AK62: AUX) or 6CH INPUT as the source, “AUTO OFF” goes out. It comes on again when you select CD or tape.



## Setting the time

This is a 12-hour display clock.

This example in the figure shows how to set the time for 4:25 p.m..



**1** Switch on the power.

**2** Press [CLOCK/TIMER] to select "CLOCK".

Every time you press the button:

CLOCK → ○PLAY → ○REC

↑ Previous display ↓

**3** (within 7 seconds or so)

Press [TUNE/TIME ADJ (∇) or (∧)] to show the present time.

**4** Press [CLOCK/TIMER] to finish setting the time.

The display will return to whatever was displayed before you set the time.

**To display the time when system is ON**

Press [CLOCK/TIMER] to select "CLOCK".

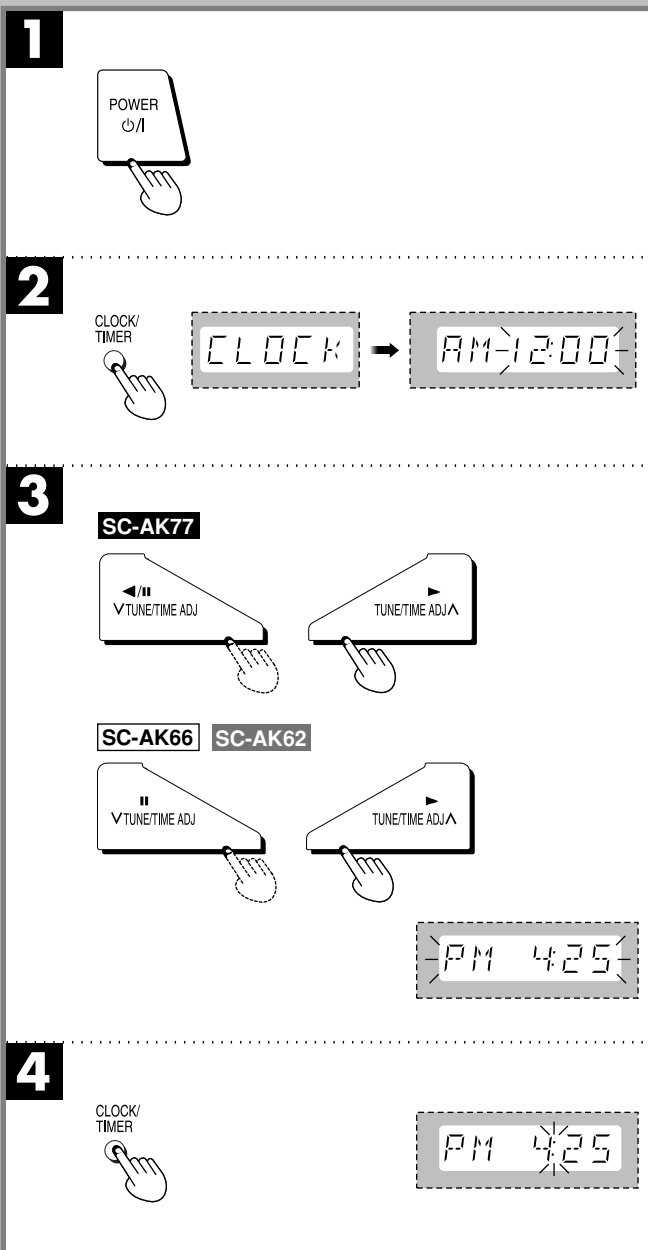
**To display the time when system is OFF**

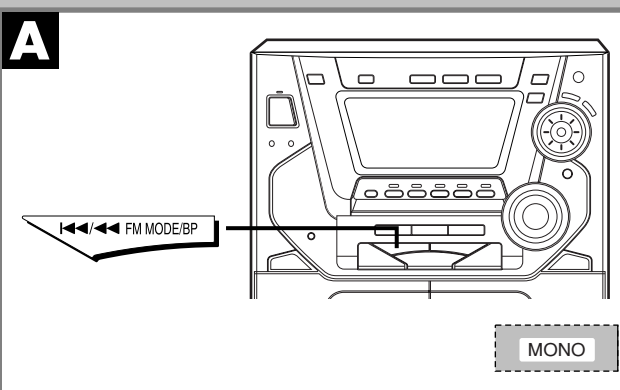
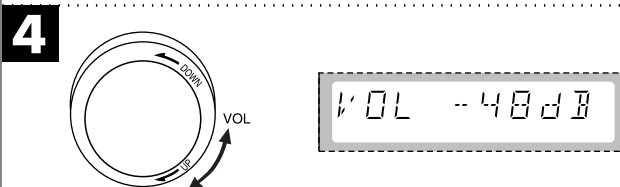
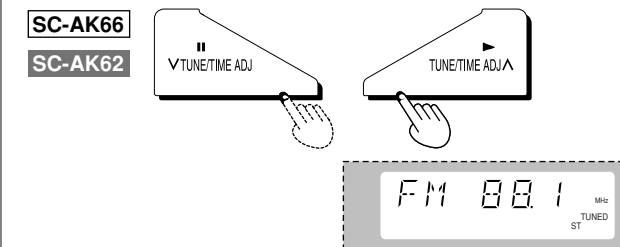
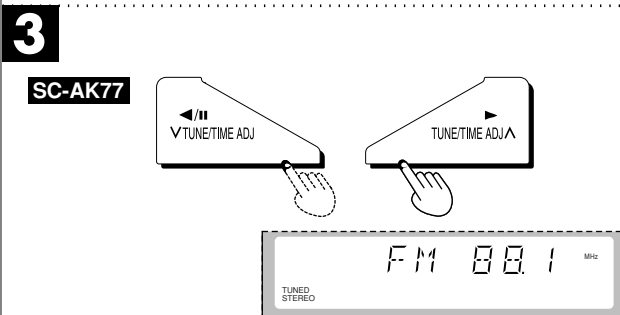
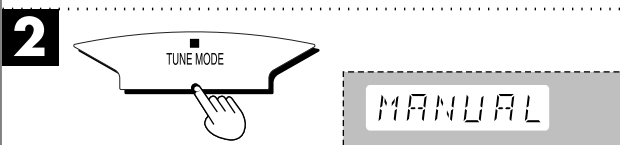
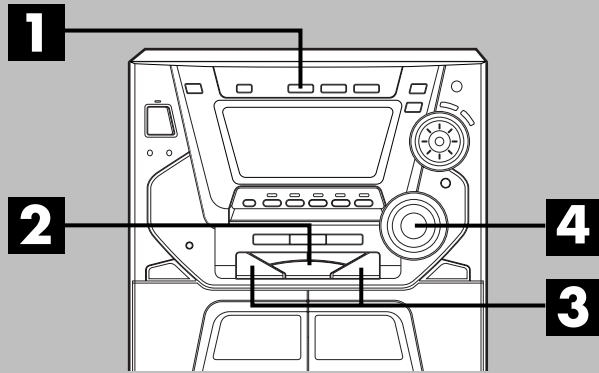
Press [CLOCK/TIMER].

The time will be displayed for about 5 seconds and then the display will return to whatever was previously displayed.

### Note

The clock may lose or gain some time over a period. Readjust if necessary.





## Listening to radio broadcasts

- 1** Press [TUNER, BAND] to select band.  
The unit comes on automatically.  
Every time you press the button:  
FM ↔ AM
- 2** Press [TUNE MODE] to select “MANUAL”.  
Every time you press the button:  
MANUAL ↔ PRESET.
- 3** Press [TUNE/TIME ADJ (∇) or (∧)] to select the frequency of the required station.  
“TUNED” is displayed when a radio station is tuned.  
“STEREO” (“ST” for SC-AK66 and SC-AK62) is displayed when a stereo FM broadcast is being received.
- 4** Adjust the volume.

### Auto tuning

Press and hold [TUNE/TIME ADJ (∇) or (∧)] for a moment until the frequency starts changing rapidly. The unit begins auto tuning, stopping when it finds a station.

- Auto tuning may not function when there is excessive interference.
- To cancel auto tuning, press [TUNE/TIME ADJ (∇) or (∧)] once again.

### A If noise is excessive in FM

Press [FM MODE/BP] to display “MONO”.

This mode improves sound quality if reception is weak, but broadcasts will be heard in monaural.

Press [FM MODE/BP] again to cancel the mode. “MONO” goes out. MONO is also canceled if the frequency is changed.

Turn off “MONO” for normal listening. Stereo and monaural broadcasts are automatically played as they are received.

### FM allocation setting

By adjusting the allocation, you can enable this tuner to receive FM broadcasts allocated in 0.1 MHz steps.

Press and hold [TUNER, BAND]. After a few seconds, the display will change to a flashing display of the current minimum FM frequency. If you continue to hold the button down, the minimum frequency will change. Release the button at this time.

To return to the original frequency indication, repeat above.

### Note

- After changing the “allocation” setting, the frequencies you previously preset in the memory will be cleared.
- Sound is momentarily interrupted if you load/unload tapes while listening to an AM broadcast.

## Presetting radio broadcasts

There are two methods of presetting stations.

**Automatic presetting** : All the stations the tuner can receive are preset.

**Manual presetting** : You can select the stations to preset and the order they are preset in.

Up to 12 stations each can be set in the FM and AM bands.

### A Automatic presetting

Do the following once each for FM and AM.

#### Preparation:

Tune to the frequency where presetting is to begin (→ page 14).

#### Press and hold [MEMORY ►►►►].

Release the button when frequency begins to change.

The tuner presets all the stations it can receive into the channels in ascending order. When finished, the last station memorized is tuned in.

### Manual presetting

Preset the stations one at a time.

- ① Press [TUNER, BAND] to select the "FM" or "AM".
- ② Press [MEMORY ►►►►] then press [TUNE/TIME ADJ (V) or (^)] to tune to the required station.
- ③ Press [MEMORY ►►►►] then press [TUNE/TIME ADJ (V) or (^)] to tune to select a channel.
- ④ Press [MEMORY ►►►►].

The station occupying a channel is erased if another station is preset in that channel.

### B Selecting channels

#### by remote control

#### 1 Press [TUNER] to select "FM" or "AM".

The unit comes on automatically.  
Every time you press the button:  
FM ↔ AM

#### 2 Press the numbered buttons to select the channel.

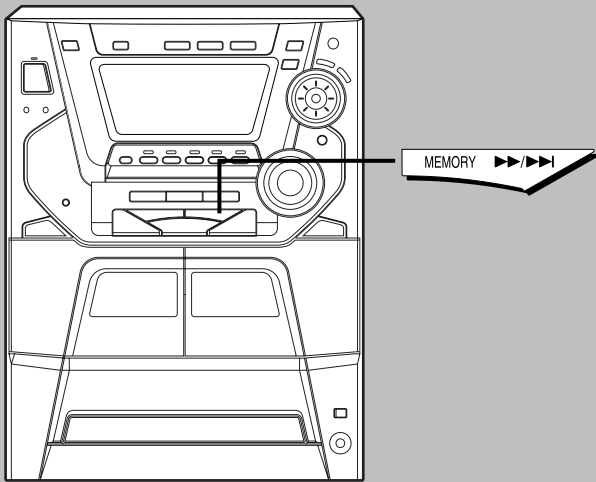
- To select channel 10 or over  
Press [≥10] then the two digits.

#### 3 Adjust the volume.

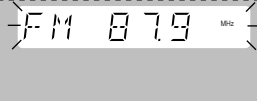
#### On the main unit

- ① Press [TUNER, BAND] to select "FM" or "AM".
- ② Press [TUNE MODE] to select "PRESET".
- ③ Press [TUNE/TIME ADJ (V) or (^)] to select the preset channel.

A

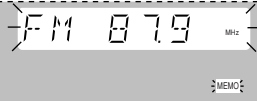


SC-AK77

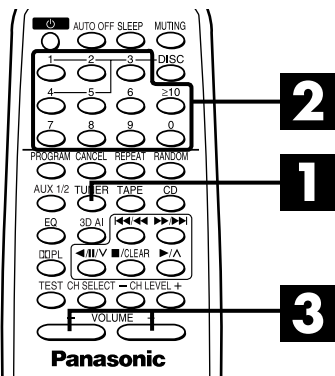


SC-AK66

SC-AK62

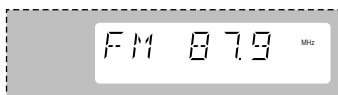


B

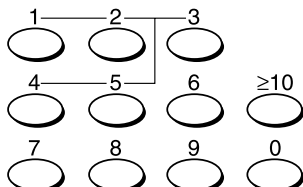


1

TUNER



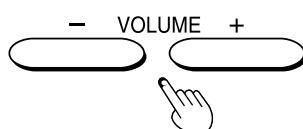
2

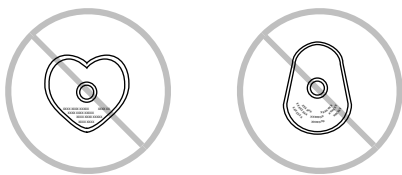


Preset channel

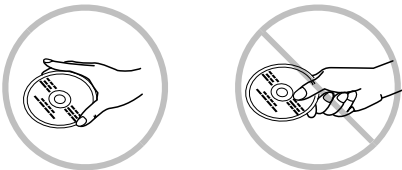


3



**A****B**

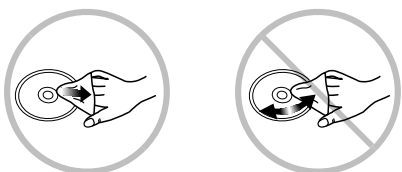
How to hold CDs



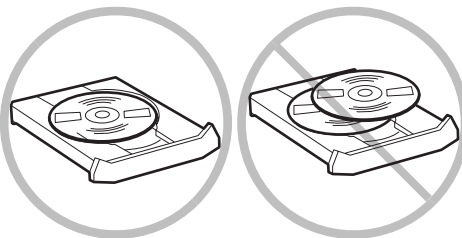
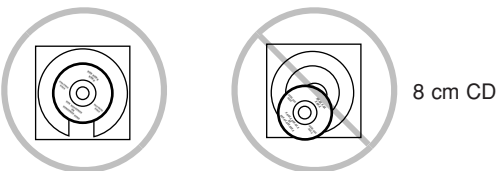
Do not touch the recorded surface.

**C**

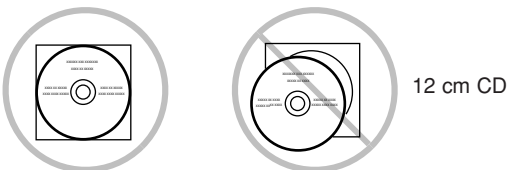
How to clean CDs



Wipe from inside outward.

**D****E****F**

8 cm CD



12 cm CD

## Concerning compact discs

With this system, you can only play compact discs having this mark.



**A** However, do not use irregular shaped CDs. CDs of the sort can damage the unit.

### **B ~ D** Handling precautions

- If you are taking the disc from a cold to a warm environment, moisture may form on the disc. Wipe this off with a soft, dry, lint-free cloth before using the disc.
- 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 CDs. (Do not use CDs with exposed adhesive from tape or left over peeled off stickers.)
- Do not use scratch-proof protectors or covers other than those specified for use with this system.
- Do not use CDs printed with label printers available on the market.

### Storage precautions

Be sure to store discs in their cases to protect them from dust, scratches, and warping.

#### Do not place or store discs in the following places

- Locations exposed to direct sunlight
- Humid or dusty locations
- Locations directly exposed to a heat vent or heating appliance
- In the glove compartment or on the rear deck of an automobile

### To prevent damage

Always observe the following points.

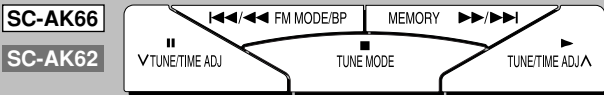
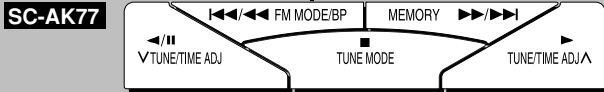
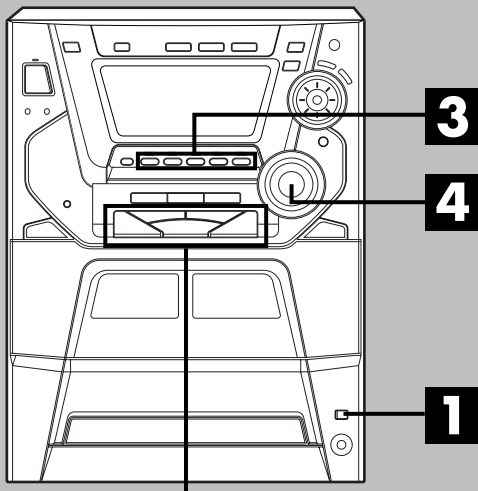
- **E** Load only 1 CD on the tray.
- **F** Load CDs as shown in the figure. The adapter is not needed with 8 cm CDs (singles).
- Set the system on a flat, level surface. Do not set it on top of magazines, inclined surfaces, etc.
- Do not move the system while tray is opening/closing, or when loaded. Always unload all CDs before moving the system.
- Do not put anything except CD in tray.
- Do not use cleaning CDs or CDs which are badly warped or cracked.
- Do not disconnect the power cord from the household AC outlet during disc changing operation.



## Listening to compact discs

This unit can play CD-DA format audio CD-R and CD-RW that have been finalized\* upon completion of recording. It may not be able to play some CD-R or CD-RW due to the condition of the recording.

\* Finalizing is a process that enables CD-R/CD-RW players to play audio CD-R and CD-RW.



**1** OPEN/CLOSE

**2**

**3**

Track number

Elapsed playing time (Of current track number)

**4**

**A**

**B**

**SC-AK77**

**SC-AK66**

**SC-AK62**

**1** Press [▲ OPEN/CLOSE] button.

The unit will come on automatically and the tray opens.

**2** Set CD in the tray.

To continue loading CDs in the other trays

Press another [(CD 1) ~ (CD 5)] to select the required tray and press [▲ OPEN/CLOSE] to open the tray.

The current tray closes and the selected tray automatically opens.

Press [▲ OPEN/CLOSE] to close the tray.

**3** Press [(CD 1) ~ (CD 5)] to play your desired disc.

(If the desired CD is indicated on the display panel, the same operation can be accomplished by pressing [▶].)

Play will start from the first track on the disc and will continue until the last track of the **final disc** is played (see below).

**4** Adjust the volume.

**A** To stop the disc play

Press [■].

**B** When “>>” appears on the display

It indicates there are 16 (SC-AK66 and SC-AK62: 13) or more tracks on the disc in the playing position.

**Disc indicators**

The disc indicators light whenever the tray is in the playing position whether it is loaded or not.

**What is meant by “final disc”?**

For example, if play starts from disc 4, disc 3 will be the “final disc”.

**Order of progression:**

Disc 4→5→1→2→3

**One touch play**

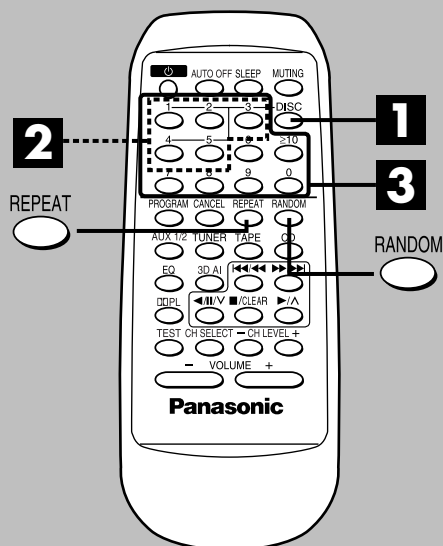
If the unit is in standby mode and a CD is loaded, press [CD] or [(CD 1) ~ (CD 5)].

The unit will come on automatically and play will start.

<b>To pause</b>	(For SC-AK77) Press [⏸] during playback. To resume playback, press [▶]. <hr/> (For SC-AK66 and SC-AK62) Press [⏸] during playback. To resume playback, press [▶].
<b>To search forward/backward (Search)</b>	Hold down [⏮/⏪] (backward) or [⏩/⏭] (forward) during playback or pause mode.
<b>To skip forward/backward</b>	Press [⏮/⏪] (backward) or [⏩/⏭] (forward) during playback or pause mode.

**Notes**

- During random play (⇒ page 18), you cannot skip to tracks which have already been played.
- During program play (⇒ page 19) or random play, you can search forward or backward only within the current track.
- During program play, skipping is always in the programmed order, whether forward or backward.
- Always stop the changer before loading or changing CDs. You cannot change CDs while a disc is playing.



**1** DISC

**2**

**3**

**A** REPEAT

**B** RANDOM

## Listening to compact discs

### Direct access play

by remote control only

- 1** Press [DISC].
- 2** (within 10 seconds or so)  
Press [1] – [5] to select the disc you want.
- 3** Press the numeric button to select the desired track number.  
The CD will be played from the selected track to the last track of the final disc (→ page 17).

#### To select a two-digit track

Press [≥10] and then the two numbers you want within 10 seconds or so.

#### For example

Track no. 20: [≥10] → [2] → [0]

Track no. 35: [≥10] → [3] → [5]

### Repeat play

by remote control only

- A** Press [REPEAT] before or during play.  
All tracks on the loaded CDs are repeated.

#### To cancel repeat play

Press [REPEAT] once again.

#### To repeat your favorite tracks

1. Program the tracks you want (perform steps **1** ~ **6** on page 19).
2. Press [REPEAT] and make sure "CD" is displayed.
3. Press [▶/△]. Playback will start.

#### To repeat just one track

Set the 1-TRACK mode (→ page 20), press [REPEAT] before or during playback, and make sure "CD" is displayed.

### Random play

by remote control only

- B** Press [RANDOM].

Every time you press the button:

1-DISC → ALL-DISC  
 ↑ Previous display ↓

#### To random play just one disc

Select the CD you want to random play with [(CD 1) ~ (CD 5)] and press [RANDOM] to select "1-DISC".

#### To random play all the loaded CDs

Press [RANDOM] to select "ALL-DISC".

All tracks on the CD(s) will be played in random order. Playback will stop automatically when all tracks have been played.

#### To cancel random play

Press [RANDOM] to clear "RANDOM" display.

#### Note

You can use random play with your program. Only the programmed tracks will be played, but in random order.

**Program play**

**by remote control only**

You can program up to 24 tracks.

- 1** Press [CD].  
Ensure CD is stopped.
- 2** Press [PROGRAM].
- 3** Press [DISC].
- 4** (within 10 seconds or so)  
Press [1] – [5] to select the disc you want.
- 5** Press the numeric button to select the desired track.
- 6** Repeat steps **3** through **5** until you have programmed all the tracks you want.
- 7** Press [▶/▲].  
Play will start in the programmed sequence.

**To cancel program play mode**

Press [PROGRAM] in the stop mode.

Programmed contents will be saved in memory.

Pressing [■/CLEAR] will cancel program play, but it will also erase the entire program.

**To select a two-digit track**

Press [≥10] and then the two numbers you want.

**A** When “CD FULL” appears

The number of programmed tracks is limited to 24. No further tracks can be programmed.

**B** You can do the following during program mode

- Check program contents.  
Press [◀◀/◀◀] or [▶▶/▶▶].  
Every time you press one of the buttons, the track and program No. are shown on the display.
- Add to the program.  
Repeat steps **3** through **5**.
- Cancel entries.

From the last programmed track	Press [CANCEL].
A specified track only	Select the track with [◀◀/◀◀] or [▶▶/▶▶], and press [CANCEL] within 3 seconds.
All tracks	Press [■/CLEAR].

**Memory retention**

Your program is retained in memory for about 2 weeks while the system is unplugged.

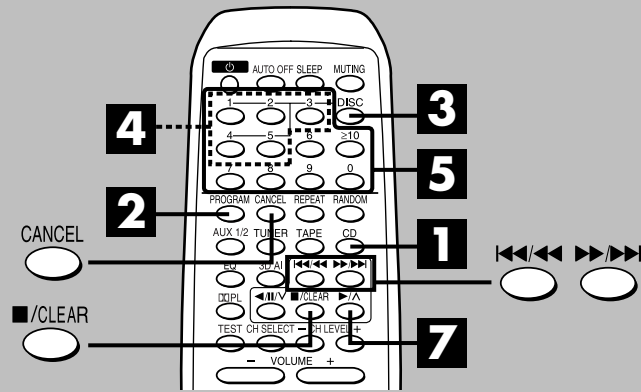
**To replay your program**

If you turned OFF your program with [PROGRAM], you can play it again as explained below.

1. Press [PROGRAM].
2. Press [▶/▲].

**If you program a track not on your CDs**

The track is initially programmed, but during program play, the player will skip that track and will continue playing from the next programmed item.



**1**

---

**2**

---

**3**

---

**4** Specified disc number

---

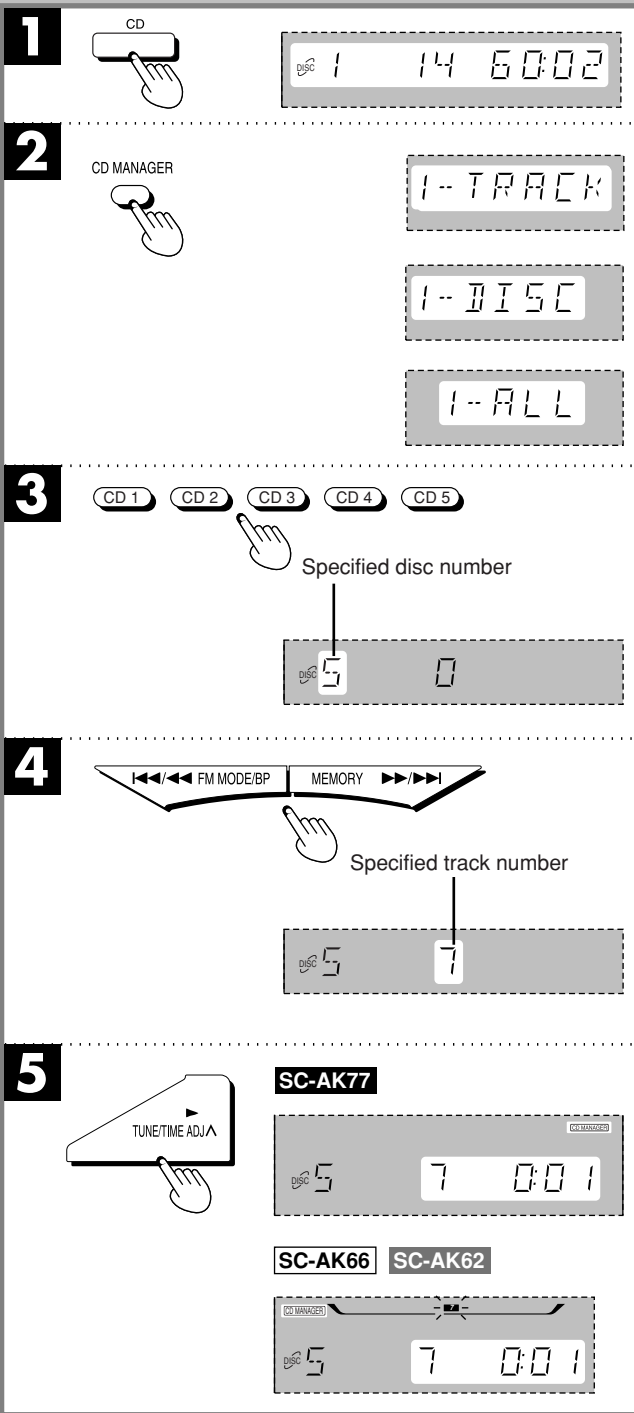
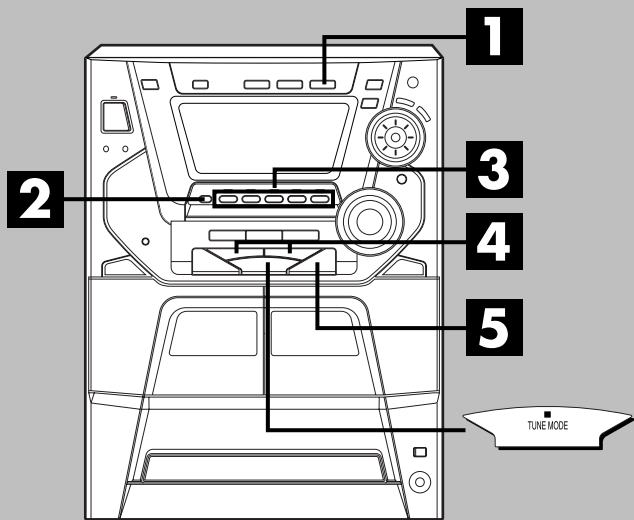
**5** Specified track number, Program order

---

**7**

**A**

**B** Indicates program mode



## Listening to compact discs

### To listen to special CDs and tracks (CD Manager function)

This function makes it easier for you to select special CDs and tracks from amongst those loaded in the player.

You can use this function to make recordings as well.

#### There are 3 CD/track selection modes.

- For playing back 1 track only from all loaded CDs  
1-Track mode (1-TRACK)
- For playing back 1 CD only from all loaded CDs  
1-Disc mode (1-DISC)
- For playing back 1 track on all loaded CDs  
1-Track All-Disc mode (1-ALL)

**1** Press [CD].  
Ensure CD is stopped.

**2** Press [CD MANAGER] to select the desired mode.  
Every time you press the button:

1-TRACK → 1-DISC → 1-ALL

↑ NORMAL (OFF) ↓

1-TRACK: Only one particular track is played.

1-DISC: The tracks on only one particular disc are played.

1-ALL: The same track numbers on each of the CDs are played in succession.

(NORMAL: The original display is restored in about 3 seconds.)

**3** Press [(CD 1) ~ (CD 5)] to select the disc you want.  
**Note**

This step is not required if 1-ALL was selected in step **2**.

**4** Press [◀◀/▶▶] or [▶▶/▶▶] to select the desired track.  
**Note**

This step is not required if 1-DISC was selected in step **2**.

**5** Press [▶].  
The selected track will start.

#### To stop play

Press [■].

#### When playback ends

"NORMAL" will appear on the display for about 3 seconds, then the CD MANAGER function will turn OFF automatically.

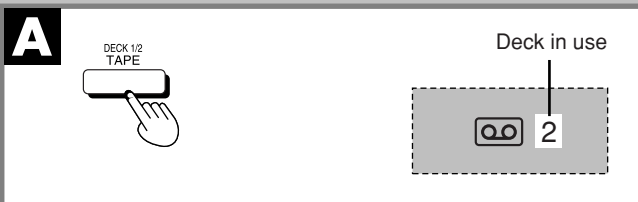
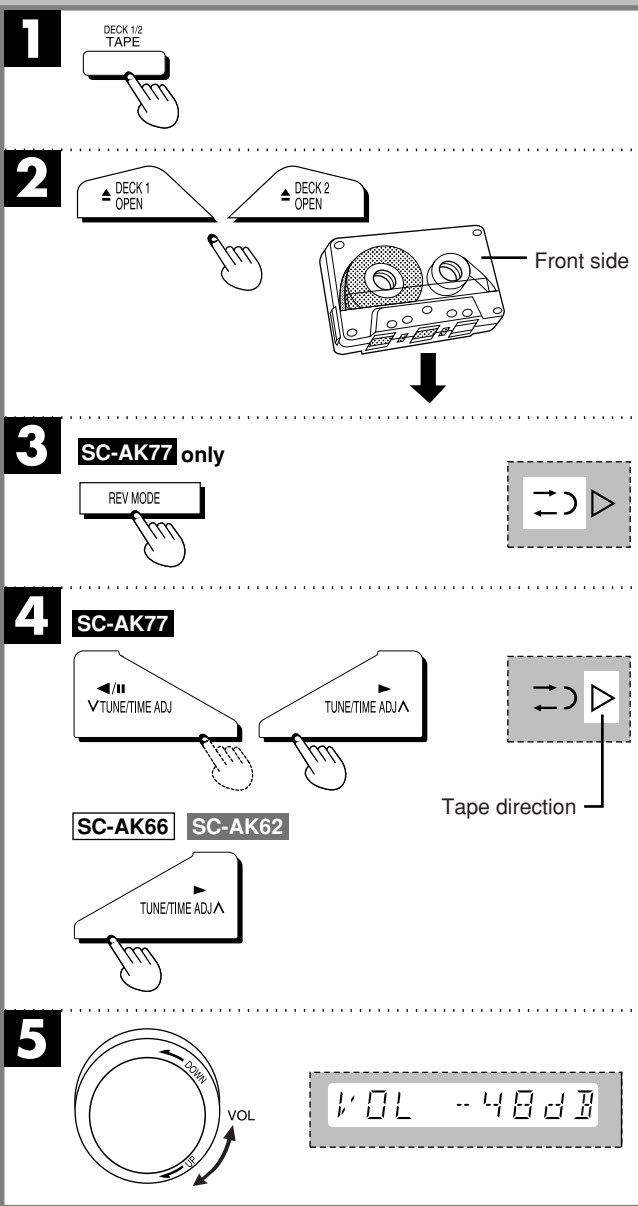
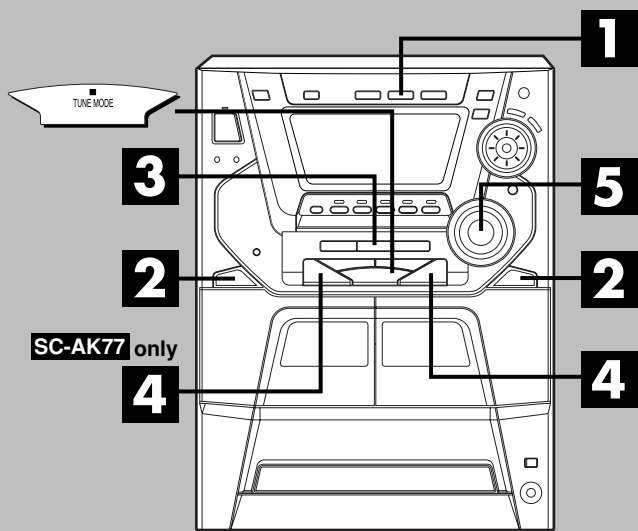
#### During play in the 1-ALL mode:

- It is not possible to skip back to a CD whose track has already been played.
- If a CD does not have the designated track number, it is skipped and play continues.

#### Notes

- You can use the CD Manager function together with repeat play.
- CD Manager function will be canceled when you press the [RANDOM] button.





## Listening to tapes

You can use either deck 1 or deck 2 for tape playback.

### SC-AK77

The unit can play normal, high and metal position tapes. It identifies the type automatically.

### SC-AK66 SC-AK62

Use normal position tapes.

High position and metal position tapes can be played, but the unit will not be able to do full justice to the characteristics of these tapes.

### 1 Press [TAPE, DECK 1/2].

The unit will come on automatically.

If the unit was off and a cassette was loaded, play will start automatically (One touch play function).

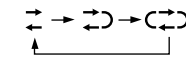
### 2 Press [▲ DECK 1 OPEN] or [▲ DECK 2 OPEN] and insert the tape.

Insert the tape with the exposed tape facing down. Close the holder by hand.

### 3 SC-AK77 only

Press [REV MODE] to select the reverse mode.

Every time you press the button:



↔ : One side is played.

↔↔ : Both sides are played.

↔↔↔ : Both sides are played 8 times each.

### To listen to 2 tapes consecutively

Load a tape into each deck and select "↔↔". Both tapes will be played 8 times each.

### 4 SC-AK77

Press [◀/II] or [▶] to start playback.

[▶] : The forward side (front side) will play.

[◀/II] : The reverse side will play.

### SC-AK66 SC-AK62

Press [▶] to start playback.

One side is played, then playback stops automatically.

To play on the other side of the tape, turn the tape over and press [▶].

### 5 Adjust the volume.

### To stop tape playback

Press [■].

### A To change the deck to be used

Press [TAPE, DECK 1/2] to select the deck you want to use when you load cassettes into both decks.

### Notes

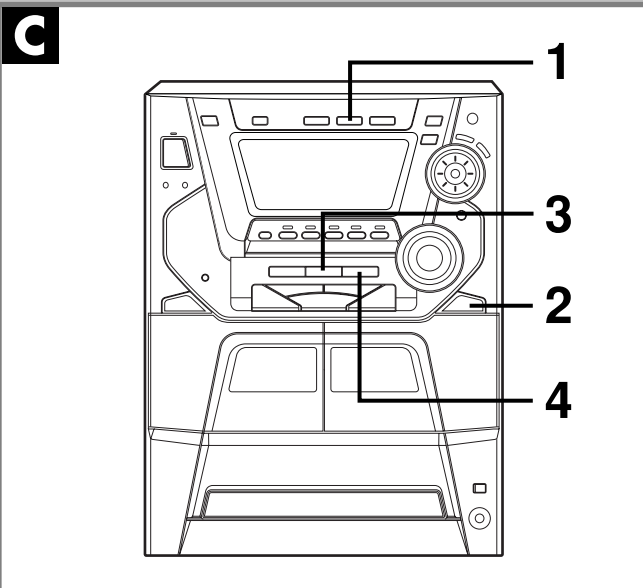
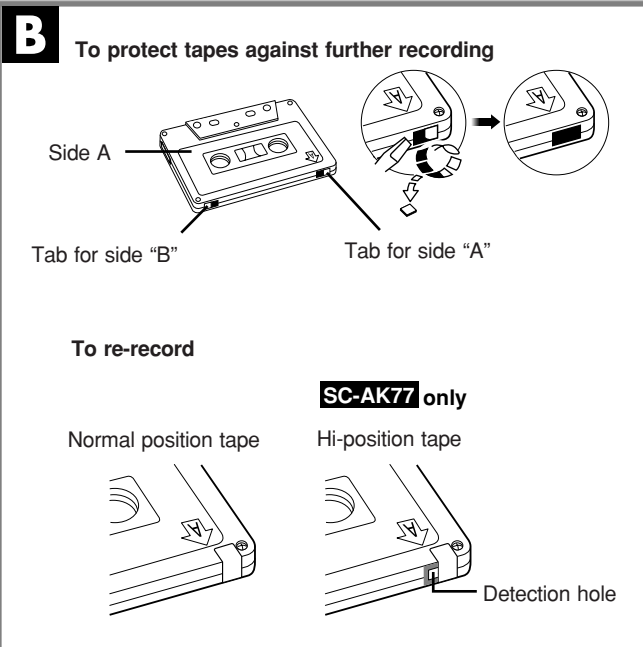
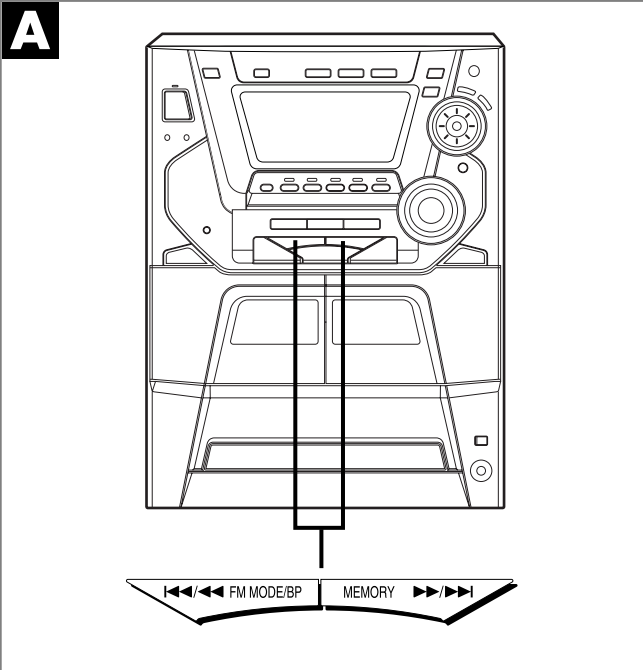
- Playback is momentarily interrupted while playing back tapes, if you open the other deck.
- Tapes exceeding 100 minutes are thin and can break or get caught in the mechanism.
- Tape slack can get caught up in the mechanism and should be taken up before the tape is played.

### SC-AK77

Endless tapes can get caught up in the deck's moving parts if used incorrectly. Use tapes appropriate to this unit's auto-reverse mechanism.

### SC-AK66 SC-AK62

Failure to operate these tapes correctly may cause the tape to wind around the revolving parts. Always read the instructions provided with your tapes.



**Listening to tapes**

**A To fast-forward or rewind the tape**

Press [**◀◀/◀◀**] or [**▶▶/▶▶**] in the stop mode.

**SC-AK77**

Tape direction	To rewind	To fast-forward
"▷"	[ <b>◀◀/◀◀</b> ]	[ <b>▶▶/▶▶</b> ]
"◁"	[ <b>▶▶/▶▶</b> ]	[ <b>◀◀/◀◀</b> ]

**SC-AK66 SC-AK62**

To rewind	To fast-forward
[ <b>◀◀/◀◀</b> ]	[ <b>▶▶/▶▶</b> ]

**A To find the beginning of a program (TPS: Tape Program Sensor)**

TPS finds the beginning of a track and resumes play from there. Each press increases the number of tracks skipped, up to a maximum of 9.

Press [**◀◀/◀◀**] or [**▶▶/▶▶**] during play.

**Note**

- TPS may not operate correctly in the following situations:  
If the interval between tracks is less than 4 seconds.  
If there is noise between tracks.  
If there are silent parts within tracks.

**Before recording (Deck 2 only)**

**Types of tapes which can be recorded correctly**

**SC-AK77**

Use normal and high position tapes. Metal position tapes can be used, but the unit will not be able to record or erase them correctly. The unit automatically identifies the type of tape.

**SC-AK66 SC-AK62**

Use normal position tapes. High position and metal position tapes can be used, but this unit will not be able to record or erase them correctly.

**B Erasure prevention**

The illustration shows how to remove the tabs to prevent recording. To record on the tape again, cover as shown, being careful not to cover the high position discrimination hole.

**How volume, sound quality/field and surround affect recording**

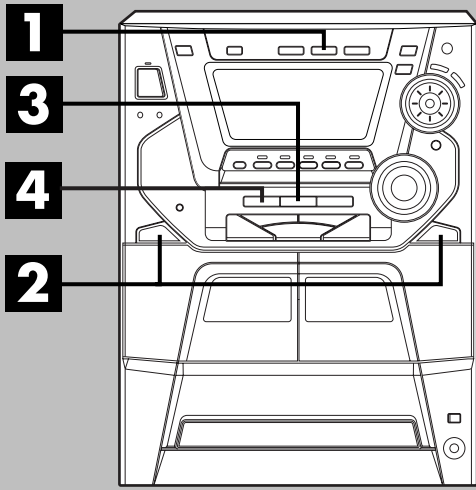
The tape you are recording is not affected whatsoever by changes in volume, sound quality/field and surround system. In recording, sound quality/field and surround system are set automatically to "FLAT".

**C To erase a recorded sound**

1. Press [TAPE, DECK 1/2].
2. Insert the recorded tape into deck 2.
3. **SC-AK77** only  
Press [REV MODE] to select reverse mode.
4. Press [● REC/STOP].

**Notes**

- You cannot record when [6CH INPUT] is selected.
- You cannot open deck 1 while recording.
- You cannot fast-forward or rewind one deck while recording with the other.



**1** DECK 1/2 TAPE

**2** DECK 1 OPEN DECK 2 OPEN

**3** SC-AK77 only  
REV MODE

**4** TAPE EDIT

**SC-AK77**

DECK 1 -- 1 2

Tape direction of the tape you are recording onto

**SC-AK66 SC-AK62**

DECK 1 -- 1 2

## Tape-to-tape recording

The recording level will be recorded as it is on the tape being played back.

- 1** Press [TAPE, DECK 1/2].
- 2** Press [▲ OPEN] on both decks and insert the tapes.  
For playback: Into deck 1  
For recording: Into deck 2  
Close the holders by hand.
- 3** **SC-AK77 only**  
Press [REV MODE] to select the reverse mode.  
Every time you press the button:  
  - : One side records only.
  - ↔, ↔↔ : Both sides record (front → reverse).
  - “↔↔” automatically changes to “↔” when [TAPE EDIT] is pressed.
- 4** Press [TAPE EDIT] to start recording.

### To stop recording

Press [■].  
Both decks will stop.

### To record from a specific point on a tape

Before recording, advance the tape to the point from where you want to start recording.

### SC-AK77

#### To start recording on the reverse side

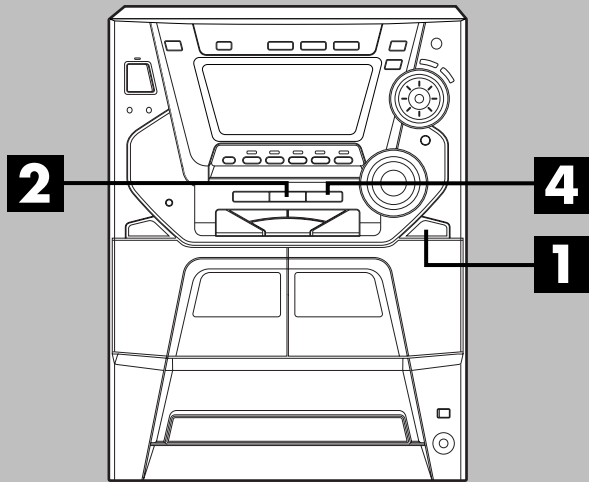
Load a tape and change the tape direction as follows:

1. Press [TAPE, DECK 1/2] and select tape deck 2.
2. Press [◀] and immediately thereafter [■]. The tape direction will be shown as “◀”.

### SC-AK66 SC-AK62

#### To record on the other side of the tape

Turn the tape over and press [TAPE EDIT].

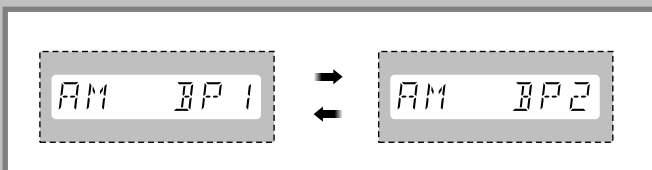
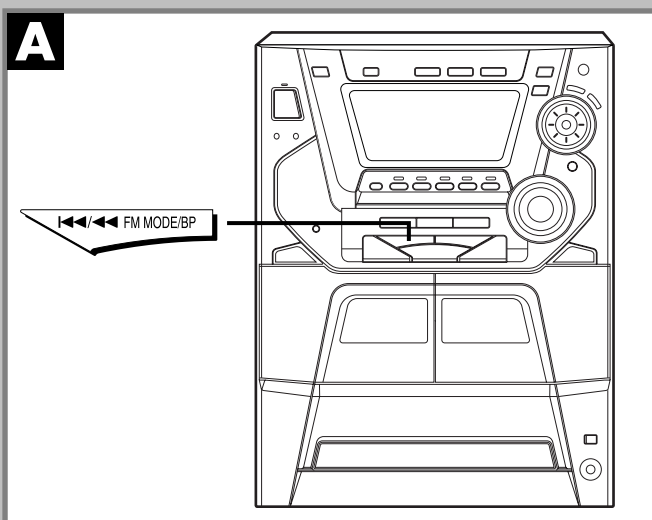


**1**

**2** **SC-AK77** only

**4** **SC-AK77**

**SC-AK66** **SC-AK62**

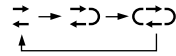


## Recording from radio broadcasts

Wind up the leader tape so recording can begin immediately.

**1** Press [**▲ DECK 2 OPEN**] and insert the tape.  
Close the holder by hand.

**2** **SC-AK77** only  
Press [**REV MODE**] to select the reverse mode.  
Every time you press the button:



→ : One side, only, records.  
 ↔, ← : Both sides record (front side → reverse side).  
 “↔” automatically changes to “↔” when [● REC/STOP] is pressed.

**3** Select a radio station. Perform steps **1** through **3** on page 14.

**4** Press [● REC/STOP] to start recording.

### To stop recording

Press [● REC/STOP] again.

Recording can also be stopped by pressing [■].

### To record from a specific point on a tape

Before recording, advance the tape to the point from where you want to start recording.

### To cut an unnecessary part while recording

1. Press [● REC/STOP] during the unnecessary part. The cassette deck will go into the stop mode.
2. Press [● REC/STOP] to resume recording again. Recording will continue in the same direction as before.

### SC-AK77

#### To start recording on the reverse side

Load a tape and change the tape direction as follows:

1. Press [TAPE, DECK 1/2] and select tape deck 2.
2. Press [◀/||] and immediately thereafter [■]. The tape direction will be shown as “◀”.

### SC-AK66 SC-AK62

#### To record on the other side of the tape

Turn the tape over and press [● REC/STOP].

### Note

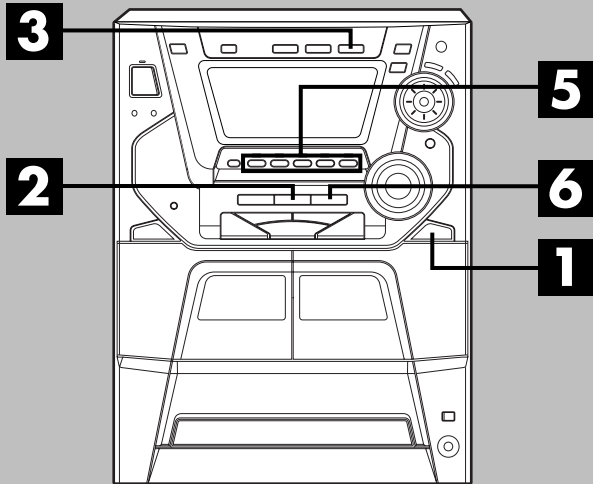
When recording an AM broadcast, sound is momentarily interrupted when you start and stop the recording.

### A To reduce noise while AM recording (Beat proof function)

Press [◀◀/▶▶, FM MODE/BP] while recording.

Each time you press the button, “BP1” and “BP2” will be displayed alternately.

Select the position where there is less noise.

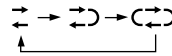


## Recording from compact discs

Wind up the leader tape so recording can begin immediately.

**1** Press [▲ DECK 2 OPEN] and insert the tape.  
Close the holder by hand.

**2** **SC-AK77** only  
Press [REV MODE] to select the reverse mode.  
Every time you press the button:



↔ : One side only records.

↔, ↺ : Both sides (front → reverse) record.

“↺” automatically changes to “↔” when [● REC/STOP] is pressed.

**3** Press [CD].

**4** Insert CD in the tray.  
(Perform steps **1** ~ **2** on page 17).

**5** Press [(CD 1) ~ (CD 5)] to select the disc you want.  
Pressing [■] will stop playback.

**6** Press [● REC/STOP] to start recording.

- The recording will proceed from the first track on the selected CD and will continue on through the last track of the final disc (page 17).
- The tape deck stops automatically when the CD is finished.

### To stop recording

- To add a 4 second silent interval before stopping Press [■]. The CD will stop automatically too.
- To stop recording without a silent interval Press [● REC/STOP]. The CD will stop automatically too.

### To record programmed tracks

1. After step **4**, program the track you want (perform steps **2** ~ **6** on page 19).
2. Press [● REC/STOP] to start recording.

### SC-AK77

#### To start recording on the reverse side

Load a tape and change the tape direction as follows:

1. Press [TAPE, DECK 1/2] and select tape deck 2.
2. Press [◀/||] and immediately thereafter [■]. The tape direction will be shown as “<”.

### SC-AK66 SC-AK62

#### To record on the other side of the tape

Turn the tape over and press [● REC/STOP].

**1** DECK 2 OPEN

**2** **SC-AK77** only  
REV MODE

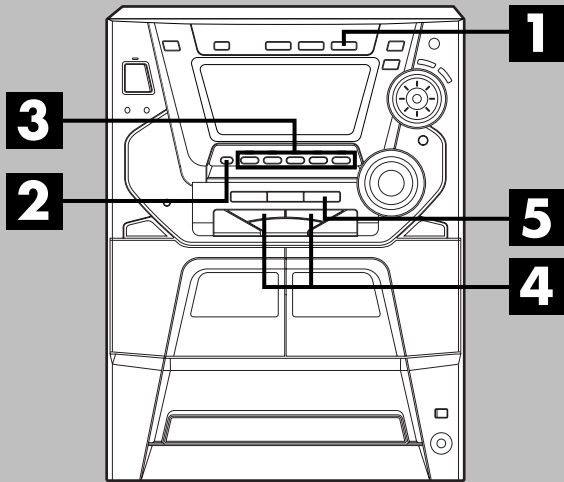
**3** CD

**5** CD 1 CD 2 CD 3 CD 4 CD 5

**6** ● REC/STOP

**SC-AK77**

**SC-AK66 SC-AK62**



**1** CD

---

**2** CD MANAGER

---

**3** CD 1 CD 2 CD 3 CD 4 CD 5

---

**4**

---

**5** REC/STOP

**A** Front side | 1 2 3 4 5 |  
 Reverse side | 9 8 7 6 5 |

The interrupted track is re-recorded in its entirety on the reverse side.

## Recording from compact discs

### To record special CDs and tracks (CD Manager function)

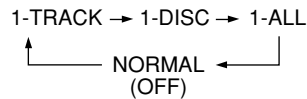
This function makes it easier for you to select special CDs and tracks from amongst those loaded in the player.

#### Preparation

Press [▲ DECK 2 OPEN] and insert the tape. Wind up the leader tape so recording can begin immediately.

**1** Press [CD].

**2** Press [CD MANAGER] to select the desired mode. Every time you press the button:



1-TRACK: Only one particular track is recorded.

1-DISC: The tracks on only one particular disc are recorded.

1-ALL: The same track numbers on each of the CDs are recorded in succession.

(NORMAL: The original display is restored in about 3 seconds.)

**3** Press [(CD 1) ~ (CD 5)] to select the disc you want.  
**Note**

This step is not required if 1-ALL was selected in step 2.

**4** Press [◀◀/▶▶] or [▶▶/▶▶] to select the desired track.  
**Note**

This step is not required if 1-DISC was selected in step 2.

**5** Press [● REC/STOP] to start recording.

#### To stop recording

- To add a 4 second silent interval before stopping Press [■]. The CD will stop automatically too.
- To stop recording without a silent interval Press [● REC/STOP]. The CD will stop automatically too.

#### SC-AK77

- A** While recording, if a track is cut off in the middle at the end of the front side, it is re-recorded from the beginning, on the reverse side.
- At the end of the reverse side, recording stops and the current track will be interrupted.

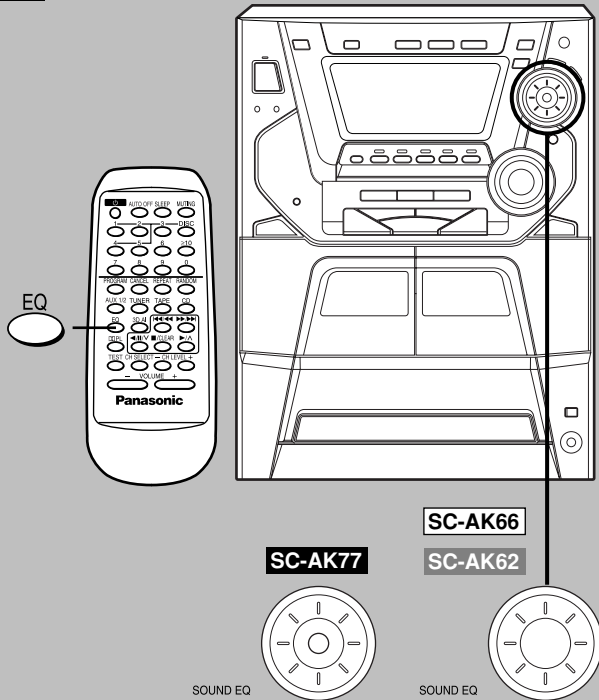
#### SC-AK66 SC-AK62

#### If the tape finishes before the CD

The CD continues playing. Press [■] to stop it. (CD Manager function will also be canceled.)



# A



# A Using the built-in sound quality/sound field settings

Dial [SOUND EQ] to select the sound quality or sound field. When it is turned clockwise, the settings are selected in the following sequence.

- ① **HEAVY (sound quality)**  
Select this when playing rock or other kinds of music that sound better with an added punch.
- ② **CLEAR (sound quality)**  
Select this for jazz or other kinds of music for which clarity in the treble range is desired.
- ③ **SOFT (sound quality)**  
Select this when listening to background music.
- ④ **DISCO (sound field)**  
Select this to produce sound with the same kind of lengthy reverberations heard at a disco.
- ⑤ **LIVE (sound field)**  
Select this to make vocals more alive.
- ⑥ **HALL (sound field)**  
Select this to add an expansiveness to the sound to produce the atmosphere of a great concert hall.
- ⑦ **SC-AK77 only**  
**MANUAL** (see page 28)
- ⑧ **SC-AK77 only**  
**AI-EQ** (see page 28)

The original display is restored on the display panel in about 5 seconds.

### To release the equalizer

Dial [SOUND EQ] to display "FLAT".

### When using the remote control to perform the operations described above

Press [EQ].

Each time this button is pressed, the setting is changed in the sequence described above.

### Note

All recordings are performed at the flat setting even if an alternative sound quality/sound field setting has been selected.

# B Enhancing the sound quality

This feature enhances the bass and treble effect of the sound.

### Press [SUPER SOUND EQ].

Press the button again to cancel.

The button light goes out.

# B Boosting the super woofer

### SC-AK77 only

### Press [S.WOOFER].

- When listening to the sound through the speakers

MID (medium) → MAX (high) → (off)

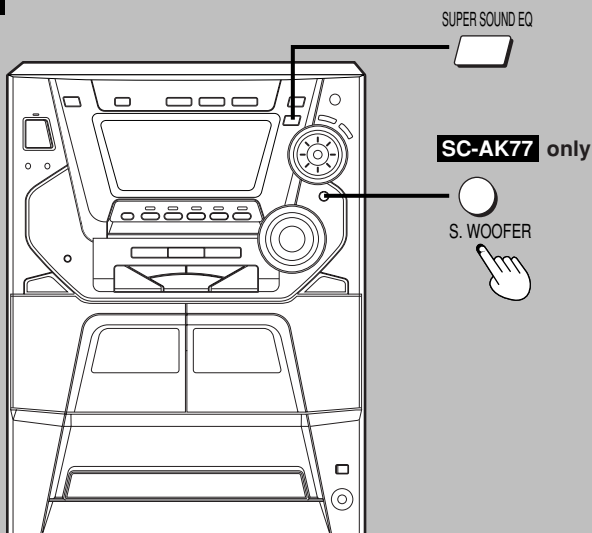
- When listening to the sound through the headphones

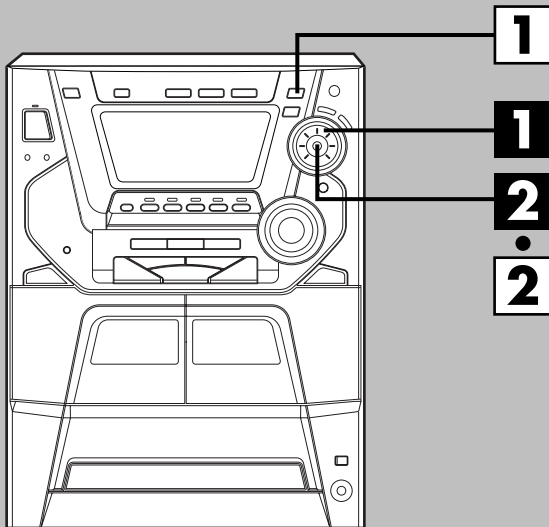
S.WOOFER (on) ↔ (off)

### Note

You cannot record super woofer effect, but you can use it for playback sound.

# B





**1**

SOUND EQ

**2**

①

SOUND EQ

②

SOUND EQ

**1**

SUPER 3D AI

**2**

①

SOUND EQ

②

SOUND EQ

## Varying the sound quality with the manual equalizer

**SC-AK77** only

**1** Dial [SOUND EQ] to display “MANUAL”.  
When it is turned clockwise, the settings are selected in the following sequence.

- ① HEAVY ←
- ② CLEAR
- ③ SOFT
- ④ DISCO
- ⑤ LIVE
- ⑥ HALL
- ⑦ **MANUAL**
- ⑧ AI-EQ
- ⑨ FLAT →

**2** Adjust the sound quality.

① ← → direction: For selecting the range of the sound to be adjusted

**Characteristics of each sound range**

Under 100 Hz: Super woofer range  
Around 330 Hz: Bass to midrange  
Around 1 kHz: Midrange  
Around 3.3 kHz: Midrange to treble  
Above 10 kHz: Treble

② ↓ ↑ direction: For adjusting the level (7 steps)  
When the level is in the center, the dot flashes rapidly.  
Repeat steps ① and ② to set the desired sound quality.  
The original display is restored on the display panel in about 5 seconds.

**To release the equalizer**

Dial [SOUND EQ] to display “FLAT”.

**Notes**

- The sound quality setting is stored automatically. It is recalled when “MANUAL” is next selected.
- All recordings are performed at the flat setting even if an alternative sound quality setting has been selected.

## Varying the sound quality with the acoustic image (AI) equalizer

**SC-AK77** only

The AI equalizer uses the SOFT, SHARP, HEAVY and LIGHT sound quality coordinates to achieve subtle sound quality settings with ease.

**1** Press [SUPER 3D AI] on the main unit to adjust the surround level.

OR

Press [3D AI] on the remote control to adjust the surround level.

Every time you press the button:

3D AI 1 → 3D AI 2



**2** Adjust the sound quality.

① ← → direction: SOFT–SHARP setting

② ↓ ↑ direction: LIGHT–HEAVY setting

Repeat steps ① and ② to set the desired sound quality.

The original display is restored on the display panel in about 5 seconds.

**To release the equalizer**




Dial [SOUND EQ] to display “FLAT”.

**Notes**

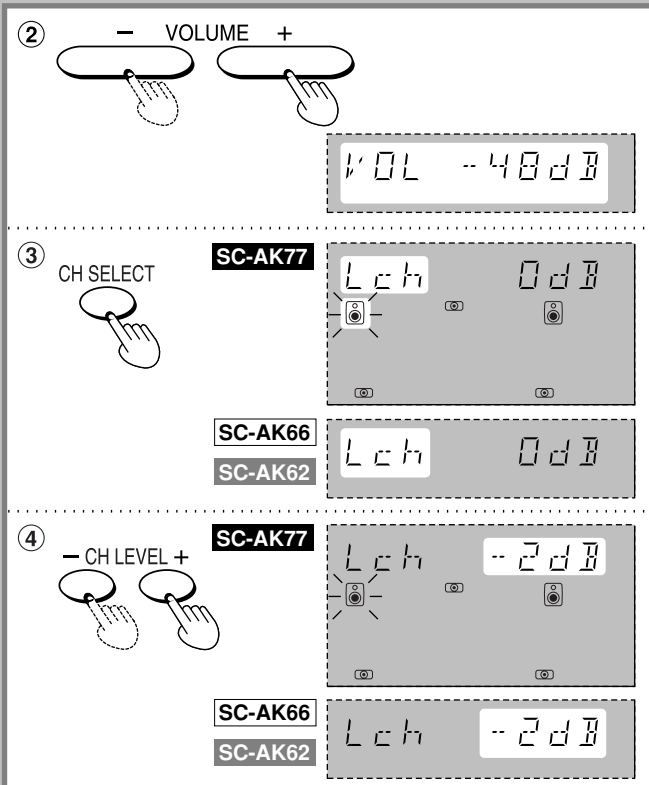
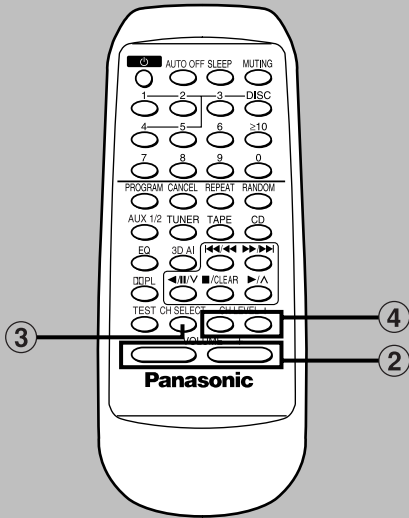
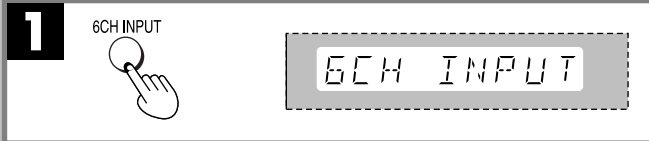
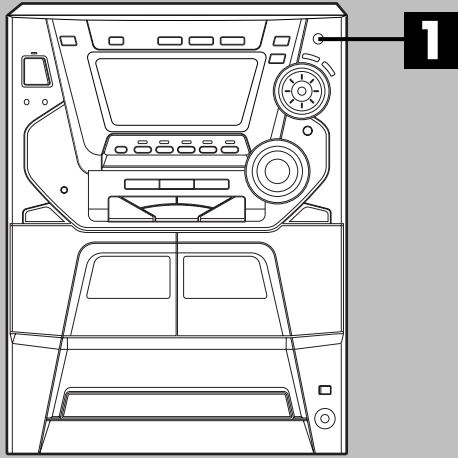
- The sound quality setting is stored automatically. It is recalled when “AI-EQ” is next selected.
- All recordings are performed at the flat setting even if an alternative sound quality setting has been selected.
- “3D AI 1” and “3D AI 2” cannot be selected while a surround system is on.

# Surround systems

- Select the surround mode appropriate to the source you are using. Read the following explanations to aid your selection.
- You may experience a reduction in sound quality when these surround systems and effects are used with some sources. If this occurs, either turn the surround system or effect off or reduce the level of the effect.

Surround system	Features	Recognizing the sound sources and software that can be used
<p><b>6CH DISCRETE INPUT (Dolby Digital / DTS)</b></p>	<ul style="list-style-type: none"> <li>• <b>You will need a DVD player that has a built in decoder to enjoy DVDs with this unit.</b></li> <li>• Dolby Digital and DTS are discrete 6 (5.1) channel surround systems developed for cinema use. Not all Dolby Digital sources are recorded with 6 channels. Some sources marked Dolby Digital may be recorded in Dolby Surround, a 2 channel system.</li> <li>• Connect a subwoofer (not included) to the SUBWOOFER OUT terminal on the rear panel of this system to increase the effect.</li> </ul>	<p>Software encoded with Dolby Digital can be identified with this mark.</p> <ul style="list-style-type: none"> <li>• DVD</li> </ul>  <p>Software encoded with DTS can be identified with this mark.</p> <ul style="list-style-type: none"> <li>• DVD</li> <li>• Laser discs</li> <li>• CDs</li> </ul>  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>“DTS” and “DTS Digital Surround” are trademarks of Digital Theater Systems, Inc.</p> </div> <p><b>Note</b> All the features are only effective if speakers are used. No discernible effect will be heard through headphones.</p>
<p><b>DOLBY PRO LOGIC</b></p>	<ul style="list-style-type: none"> <li>• This system was developed to get a better sense of presence from sources encoded with Dolby Surround.</li> <li>• The feeling of position has been improved by the addition of a separate center speaker channel.</li> <li>• This unit has built-in Dolby Pro Logic circuit so you can enjoy Dolby Surround by connecting the speakers.</li> </ul>	<p>Software with the following mark is recorded in Dolby Pro Logic:</p> <ul style="list-style-type: none"> <li>• Laser Disc</li> <li>• DVD</li> <li>• Video tape (VCR)</li> <li>• CD</li> </ul>  <p>This mode cannot be used with the radio, 6CH DISCRETE INPUT mode, or if headphones are connected.</p>
<p><b>SURROUND</b></p>	<ul style="list-style-type: none"> <li>• This mode adds surround effects to normal music sources.</li> </ul>	<p>Any general sound source can be used.</p> <ul style="list-style-type: none"> <li>• CD</li> <li>• TAPE</li> <li>• AUX</li> </ul> <p>This mode cannot be used with the radio, 6CH DISCRETE INPUT mode, or if headphones are connected.</p>

## 6CH DISCRETE INPUT mode



**1** Press [6CH INPUT].

**2** Playback the source (DVD).

### To adjust the volume of each speaker

Sit in the normal listening position and make the adjustments with the remote control.

**① Output the test signal from the DVD player (not included).**  
Set the channel level to 0 dB on the DVD player, and adjust the channel level on this system.

**② Press [VOLUME (- or +)].**  
Set the volume to the normal listening level.

The following steps are for setting the output level of the front speakers and the other speakers to approximately the same level.

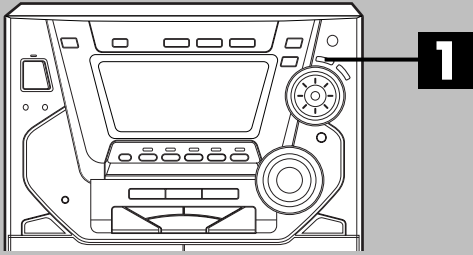
**③ Press [CH SELECT].**  
Select the speaker channel to be adjusted.  
Lch: Front speaker (Left)  
Cch: Center speaker  
Rch: Front speaker (Right)  
RSch: Surround speaker (Right)  
LSch: Surround speaker (Left)  
SWch: Subwoofer

**④ Press [CH LEVEL (- or +)].**  
Adjust the output level  
+ : Increases the output level  
- : Decreases the output level  
Repeat steps ③ and ④ to adjust the level accordingly.

### Notes

You cannot record sound when [6CH INPUT] is selected.  
To record from DVDs, reconnect the DVD player (MIXED OUT) to "AUX 1 or AUX 2" (SC-AK66 and SC-AK62: "AUX") terminal on this unit.

## Enjoying sound with DOLBY PRO LOGIC (DOLBY PRO LOGIC)



### To playback a Dolby Surround source with Dolby Pro Logic

**1** Press [DOLBY PRO LOGIC].  
The button lights.

**2** Playback a Dolby Surround source.

#### To turn off DOLBY PRO LOGIC

Press [DOLBY PRO LOGIC].  
The button light goes out.

Manufactured under license from Dolby Laboratories.  
“Dolby”, the double-D symbol and “Pro Logic” are trademarks of Dolby Laboratories.

#### To adjust the volume of each speaker

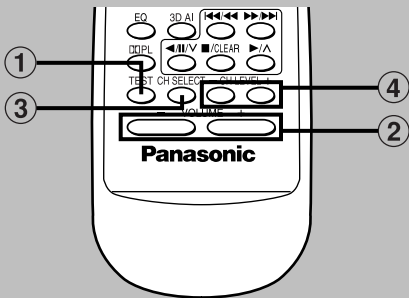
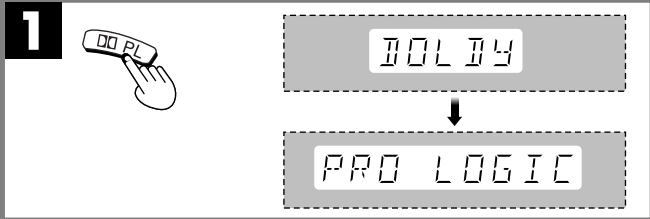
**Preparation:** Press [DOLBY PRO LOGIC] to turn the light on.

Sit in the normal listening position and make the adjustments with the remote control.

- 1 Press [TEST].**  
A test signal is output.  
The speaker outputting the test signal is displayed while the test is running.  
Lch: Front speaker (Left)  
Cch: Center speaker  
Rch: Front speaker (Right)  
Sch: Surround speakers
- 2 Press [VOLUME (- or +)].**  
Set the volume to the normal listening level.  
The following steps are for setting the output level of the front speakers and the other speakers to the same listening level.
- 3 Press [CH SELECT].**  
Select the speaker channel to be adjusted.
- 4 Press [CH LEVEL (- or +)].**  
Adjust the output level  
+ : Increases the output level  
- : Decreases the output level  
Repeat steps 3 and 4 to adjust the level accordingly.

#### To stop the test signal

Press [TEST] again.



**1 TEST**

SC-AK77: TEST Lch

SC-AK66: TEST Lch

SC-AK62: TEST Lch

---

**2 - VOLUME +**

VOL -48dB

---

**3 CH SELECT**

SC-AK77: Cch 0dB

SC-AK66: Cch 0dB

SC-AK62: Cch 0dB

---

**4 - CH LEVEL +**

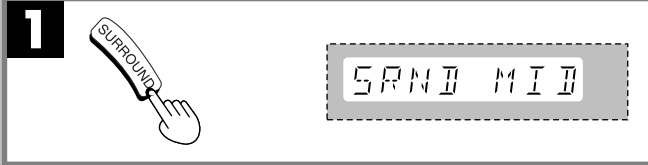
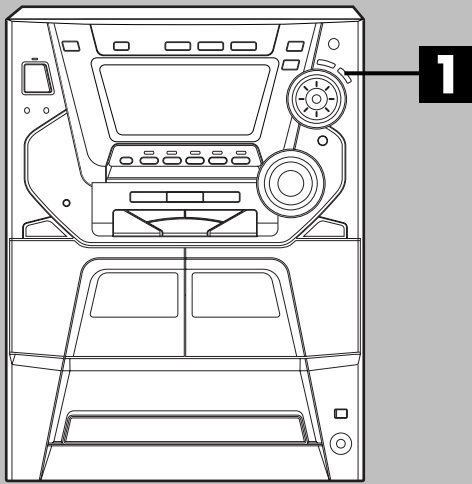
SC-AK77: Cch +2dB

SC-AK66: Cch +2dB

SC-AK62: Cch +2dB

## Enjoying sound with stereophonics (SURROUND)

This mode adds the 4ch surround effect to the normal stereo sources.



- 1** Press [SURROUND] to select “SRND MID” or “SRND MAX.”

Each time the button is pressed:

SRND MID → SRND MAX → STEREO SOUND (off)

- 2** Playback the source.

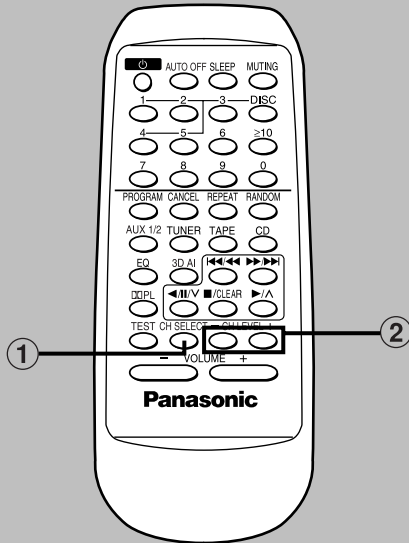
### To turn off the SURROUND mode

Press [SURROUND] to select “STEREO SOUND”.

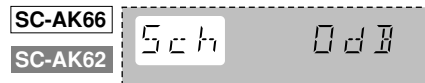
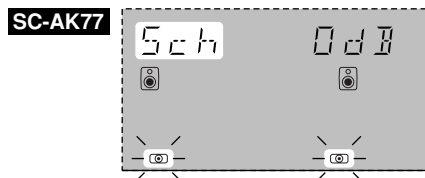
### To adjust the volume of surround speakers

You can change the output level of surround speakers manually. While enjoying the desired source:

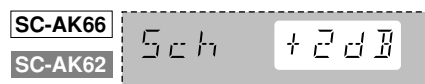
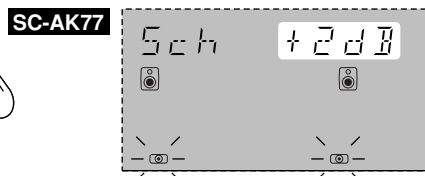
- ① Press [CH SELECT].  
The output level of surround speakers is displayed.
- ② Press [CH LEVEL (- or +)].  
Adjust the output level. The level can be adjusted between +6 and -10.  
+ : Increase the output level  
- : Decrease the output level



- ① CH SELECT
- 



- ② - CH LEVEL +
- 





## Using the timer

### Using the play/record timer

The timer has two functions. It can be set to on at a certain time to wake you up, or it can be set to record the radio or from the aux source.

The play timer cannot be used in combination with the record timer.

#### Preparations

- Turn the unit on and set the clock (→ page 13).
- **For the play timer**, prepare the music source you want to listen to; tape, CD, radio, aux, or 6-channel input, and set the volume.
- **For the record timer**, check the cassette's erasure prevention tabs (→ page 22: **B**), insert the tape in deck 2, select the reverse mode (for SC-AK77) (→ page 24) and tune to the radio station (→ page 14) or select the aux source (→ page 35).  
You cannot record when [6CH INPUT] is selected.

#### 1 Press [CLOCK/TIMER] to select the timer function.

Every time you press the button:

CLOCK → ⊙PLAY → ⊙REC  
 ↑ Previous display ↓

⊙PLAY : to set the play timer  
 ⊙REC : to set the record timer

#### Setting the start and finish times

- #### 2
- ① (Within 8 seconds or so) Press [TUNE/TIME ADJ (∇) or (∧)] to select the starting time.
  - ② Press [CLOCK/TIMER].

- #### 3
- ① Press [TUNE/TIME ADJ (∇) or (∧)] to select the finishing time.
  - ② Press [CLOCK/TIMER].  
The start and finish times are now set.

#### Turning the timer on

- #### 4 Press [⊙PLAY/⊙REC] to display the timer indicator.

Every time you press the button:

⊙PLAY → ⊙REC  
 ↑ (OFF) ↓

⊙PLAY : to turn the play timer on  
 ⊙REC : to turn the record timer on  
 (The indicator doesn't appear if the start and finish times or the clock haven't been set.)

- #### 5 Press [⊙/I, POWER] to turn the unit off. The unit must be off for the timers to operate.

- **For play timer**  
The timer play will start at the preset time with volume increasing gradually up to the volume level you preset.
- **For record timer**  
The record timer comes on about 30 seconds earlier than the set time.

#### To cancel the timer

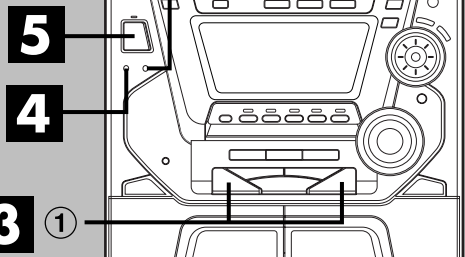
Press [⊙PLAY/⊙REC] to clear the timer indicators from the display. (The timer comes on at the set time everyday if the timer is on.)

#### To change the settings (when unit is on)

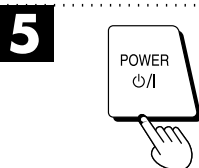
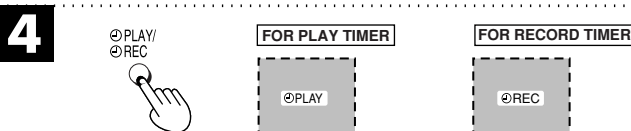
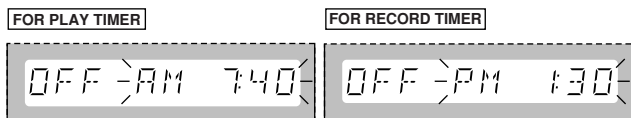
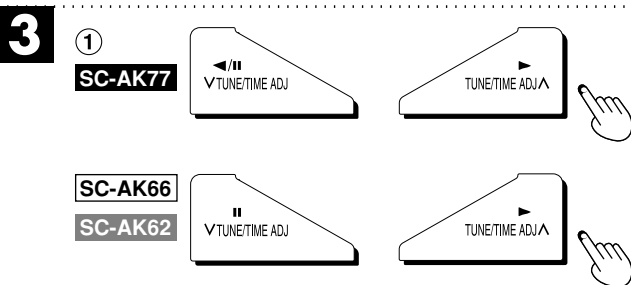
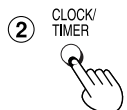
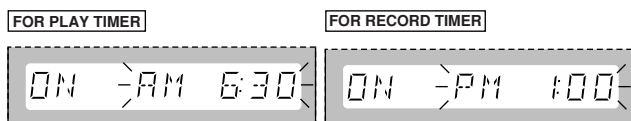
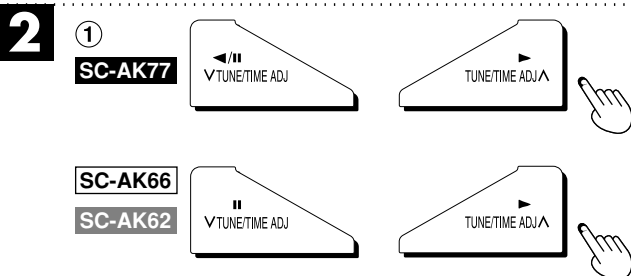
- **To change the play/record times**  
Do steps **1**, **2**, **3** and **5**.
- **To change the source or volume**
  1. Press [⊙PLAY/⊙REC] to clear the timer indicator from the display.
  2. Make changes to the source or volume.
  3. Do steps **4** to **5**.

(Continued on next page)

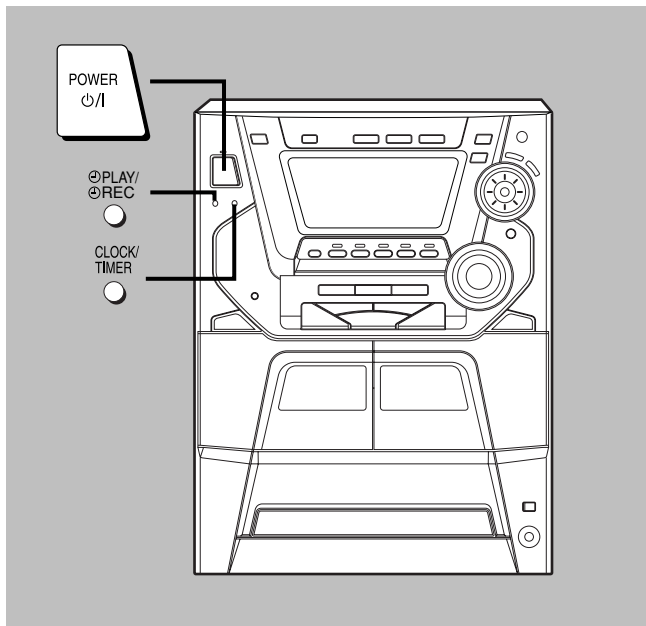
1 • 2 ② • 3 ②



2 ① • 3 ①

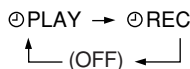


Using the play/record timer



To change the timer

Press [PLAY/REC] to select the desired timer. Every time the button is pressed the setting changes as follows.



To check settings

While the unit is on and the "PLAY" (or "REC") indicator is on, press [CLOCK/TIMER] so "PLAY" (or "REC") appears on the display.

Two seconds after "PLAY" (or "REC") appear, the settings are displayed in the following order:

- For play timer
  - ① Play start time
  - ② Play finish time
  - ③ Play source
  - ④ Playback volume
- For record timer
  - ① Recording start time
  - ② Recording finish time
  - ③ Recording source

You can check the settings even when the system is OFF by pressing [CLOCK/TIMER] twice.

To enjoy the desired source after the timer setting is completed

The volume level (for play timer) and music source are stored in the timer memory and the timer will start in these preset conditions. However, the Disc numbers and reverse mode (for SC-AK77) do not get stored in the timer memory.

1. After step 4, start playing the desired source.
2. Reset the Disc numbers and reverse mode (for SC-AK77) if you have changed any of them, confirm that a Disc or cassette is inserted, then press [I/I, POWER] to put the unit on standby.

Notes

- If you switch the system to the standby mode while the play/record timer is functioning, the OFF time setting will not be activated.
- If "AUX 1/2" (SC-AK66 and SC-AK62: "AUX") or "6CH INPUT" is selected as the source, when the timer comes ON, the system will turn ON and will engage "AUX 1/2" (SC-AK66 and SC-AK62: "AUX") or "6CH INPUT" as the source. If you want to playback or record from a connected component, set the component's timer to the same time. (See the instruction manual that came with the component.)

Using the sleep timer

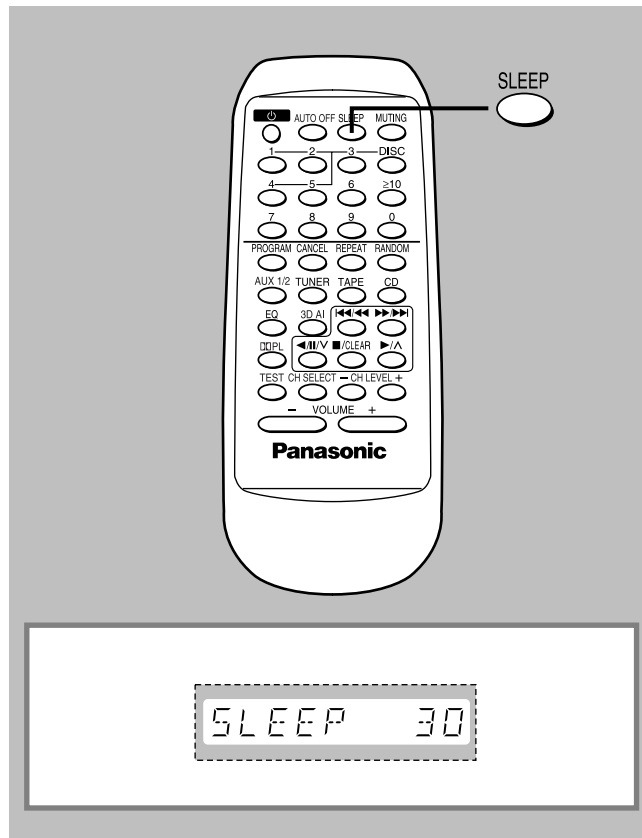
by remote control only

This timer turns your system OFF at the set time (Max. 2 hours, settable at 30-minute intervals). It lets you fall asleep listening to music.

Preparation

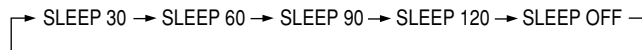
Switch on the power.

The figure shows how to set the system to standby mode after 30 minutes.



While enjoying the desired source: Press [SLEEP] to select the desired time.

Every time you press the button:



The system is turned off after the set time has elapsed.

To cancel the sleep timer:

Press [SLEEP] to select "SLEEP OFF".

To confirm the remaining time:

(only while system is ON)

Press [SLEEP].

To change the time remaining during operation:

Press [SLEEP] to show the remaining time then press [SLEEP] to select the desired time.

Notes

- The sleep timer turns OFF automatically the moment you attempt to edit-record a CD using CD Manager function.
- The sleep timer can be used in combination with the play/record timer. The sleep timer always has priority. Be sure not to overlap timer settings.

## A Using an external unit

### Listening to an external source

(See page 8 for external unit connection)

1. **SC-AK77**  
Press [AUX 1/2] or [6CH INPUT].  
**SC-AK66 SC-AK62**  
Press [AUX] or [6CH INPUT].  
The system will come on automatically.
2. Start playback from the external source. (For details, refer to the owner's manual of the equipment.)

### Recording from an external source

1. **SC-AK77**  
Press [AUX 1/2].  
**SC-AK66 SC-AK62**  
Press [AUX].
2. Press [● REC/STOP] (recording starts).
3. Start playback from the external source. (For details, refer to the owner's manual of the equipment.)

You cannot record when [6CH INPUT] is selected.

## B Listening with headphones

Reduce the volume level, and connect the headphones.  
Plug type: 3.5 mm (1/8") stereo

### Note

Avoid listening for prolonged periods of time to prevent hearing damage.

## C Convenient functions

### C Switching displays

Press [-DISPLAY/-DEMO] to select the desired spectrum analyzer.

Every time you press the button:

Normal → Peak hold → Aurora  
↑      ↓  
Off (Dimmer)

When the spectrum analyzer is off, the display is dimmed and indicators, except for the AC supply indicator, are turned off for better television viewing.

### D To mute the volume

#### by remote control only

This feature is convenient when you have a telephone call, etc.

Press [MUTING].

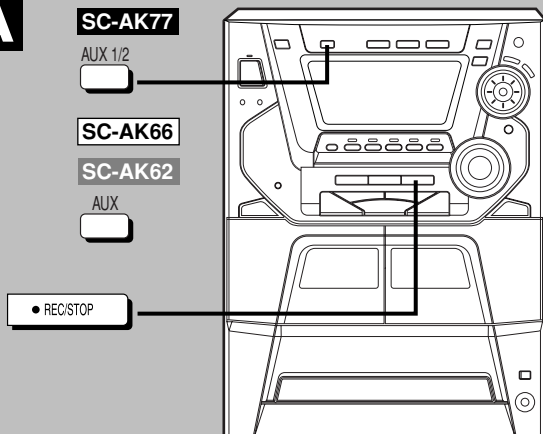
Press the button again to cancel.

"MUTING" goes out.

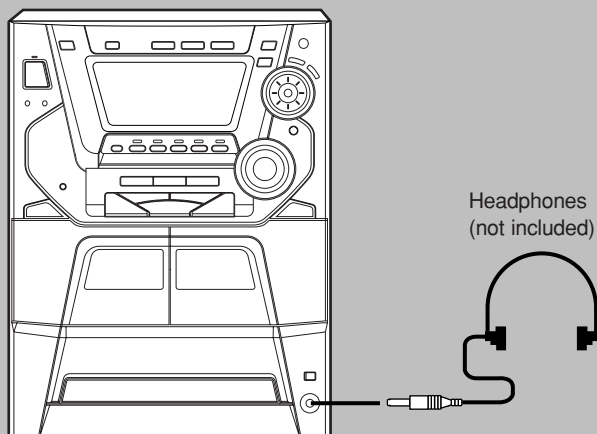
Muting can also be canceled by lowering the volume all the way (--dB).

When the system is turned off, the muting operation will be automatically canceled.

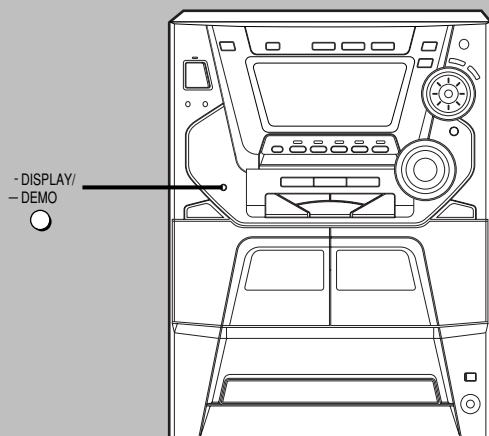
## A



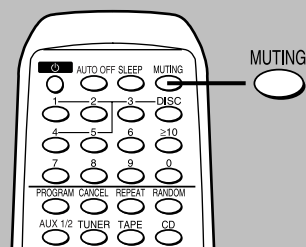
## B



## C



## D



## Troubleshooting guide

Before requesting service, make the checks below. If you can't fix the system as described below, or if something not listed here occurs, refer to the enclosed directory to locate an Authorized Service Center convenient to you or contact your dealer.

**For detailed instructions, contact an authorized servicenter in the U.S.A. and Panasonic Canada Inc. Customer Care Centre in Canada. In the U.S.A., call 1-800-211-7262, e-mail [consumerproducts@panasonic.com](mailto:consumerproducts@panasonic.com), or visit [www.panasonic.com](http://www.panasonic.com). In Canada, call 905-624-5505 or visit [www.panasonic.ca](http://www.panasonic.ca)**

Reference pages are shown as black circled numbers ⑥.

### Common Problems

No sound.	Turn the volume up. The speaker cables may be shorted. Turn the unit off, check and correct the connections and turn the unit on. ⑥, ⑦
Sound is unfixed, reversed or comes from one speaker only.	Check the speaker connections. ⑥, ⑦
Humming heard during play.	An AC power supply cord or fluorescent light is near the cables. Keep other appliances and cords away from this unit's cables.
"ERROR" is displayed.	Incorrect operation performed. Read the instructions and try again.
"- -: -" appears on the display.	You plugged the power supply cord in for the first time or there was a power failure recently. Set the time. ⑬
"F61" is displayed.	Check and correct the speaker cords connection. ⑥, ⑦ If this does not fix the problem, there is a power supply problem. Consult the dealer.

### Listening to the radio

Noise is heard. The stereo indicator flickers or doesn't light. Sound is distorted.	Use an outdoor antenna. ⑦
A beat sound is heard.	Turn the TV off or separate it from the unit.
A low hum is heard during AM broadcasts.	Separate the antenna from other cables and cords.

### When there is a television set nearby

The picture on the TV disappears or stripes appear on the screen.	The location and orientation of the antenna are incorrect. If you are using an indoor antenna, change to an outdoor antenna. The TV antenna wire is too close to the unit. Separate the antenna wire of the TV set from the unit.
---	--

### Using the cassette deck

Poor quality sound.	Clean the heads. ③⑥
Recording is not possible.	If the erasure prevention tabs have been removed, cover the holes with adhesive tape. ②②

### Playing discs

The display is wrong or play won't start.	The disc may be upside down. ①⑦ Wipe the disc. Replace the disc if it is scratched, warped, or non-standard. Condensation may have formed inside the unit due to a sudden change in temperature. Wait about an hour for it to clear and try again.
"TAKE OUT/DISC" appears on the display.	There is a problem with the disc mechanism. (A power failure may have occurred.) The tray will open automatically. Remove the disc from the tray, and after ensuring there is no disc in the tray, close it. The unit will make the disc changing noises for a few moments and then it should operate normally.

### Remote control

Remote control doesn't work.	Check the batteries are inserted correctly. ⑨ Replace the batteries if they are worn.
------------------------------	--

## Maintenance

### If the surfaces are dirty

To clean this unit, wipe with a soft, dry cloth.

If the surfaces are extremely dirty, use a soft cloth dipped in a soap-and-water solution or a weak detergent solution.

- Never use alcohol, paint thinner or benzene to clean this unit.
- Before using a chemically treated cloth, carefully read the instructions that came with the cloth.

### For a cleaner, crisper sound

Clean the heads regularly to assure good quality playback and recording.

Use a cleaning tape (not included).

**Panasonic**

**Technics**

**Quasar**

**For Product Information, Operating Assistance, Literature Request, Dealer Locations, and all Customer Service inquiries please contact:  
1-800-211-PANA (7262), Monday–Friday 9 am–9pm; Saturday–Sunday 9 am–7pm, EST.**

**Web Site: <http://www.panasonic.com>  
You can purchase parts, accessories or locate your nearest servicenter by visiting our Web Site.**

**Accessory Purchases:**

1-800-332-5368 (Customer Orders Only)  
Panasonic Services Company 2042184th Avenue South, Kent, WA 98032  
(6 am to 5 pm Monday–Friday; 6 am to 10:30 am Saturday; PST)  
(Visa, MasterCard, Discover Card, American Express, Check)

**Factory Servicenters Locations**

**CALIFORNIA**

6550 Katella Avenue  
Cypress, CA 90630

800 Dubuque Avenue  
S. San Francisco  
CA 94080

3878 Ruffin Road  
Suite A  
San Diego, CA 92123

**FLORIDA**

3700 North 29th Avenue  
Suite 102  
Hollywood, FL 33020

**GEORGIA**

8655 Roswell Road  
Suite 100  
Atlanta, GA 30350

**ILLINOIS**

9060 Golf Road  
Niles, IL 60714

1703 North Randall Road  
Elgin, IL 60123  
(Pick-up/Drop-off only)

**MASSACHUSETTS**

60 Glacier Drive  
Suite G  
Westwood, MA 02090

**MINNESOTA**

7850-12th Avenue South  
Airport Business Center  
Bloomington, MN 55425

**OHIO**

2236 Waycross Road  
Civic Center Plaza  
Forest Park, OH 45240

**PENNSYLVANIA**

2221 Cabot Blvd. West  
Suite B  
Langhorne, PA 19047

**TEXAS**

13615 Welch Road  
Suite 101  
Farmers Branch  
TX 75244

**WASHINGTON**

20425-84th Avenue South  
Kent, WA 98032

**HAWAII**

99-859 Iwaiwa Street  
Aiea, Hawaii 96701  
Phone (808) 488-1996  
Fax (808) 486-4369

**Service in Puerto Rico**

**Matsushita Electric of Puerto Rico, Inc. Panasonic Sales Company/Factory Servicenter:  
Ave. 65 de Infanteria, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985  
Phone (787) 750-4300 Fax (787) 768-2910**

F06130 As of JUN '01

# Warranty (U.S.A.)

## ONLY FOR U.S.A.

Panasonic Consumer Electronics Company,  
Division of Matsushita Electric Corporation  
of America  
One Panasonic Way,  
Secaucus, New Jersey 07094

Panasonic Sales Company, Division of Matsushita Electric  
Corporation of Puerto Rico, Inc.  
Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial  
Park, Carolina, Puerto Rico 00985

## Panasonic/Technics Audio Products Limited Warranty

Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will repair this product with new or refurbished parts in the event of a defect in materials or workmanship, free of charge, in the U.S.A. or Puerto Rico as follows (all time periods start from the date of original purchase):

COMPACT DISC PLAYERS, DIGITAL VERSATILE DISC PLAYERS, RADIOS, RADIO CASSETTE PLAYERS/RECORDERS (with and without CD Players), CASSETTE RECORDERS, MICROCASSETTE RECORDERS/TRANSCRIBERS, IC RECORDERS, RECEIVERS, TUNERS, AMPLIFIERS, SUBWOOFER AMPLIFIERS, TURNTABLES, CASSETTE DECKS, AUDIO PROCESSORS, EQUALIZERS, AUDIO MIXERS, REMOTE CONTROLS, HOME THEATER SYSTEMS (receiver/amplifiers, speakers), RACK SYSTEMS (receivers, tuners, amplifiers, cassette decks, CD players, equalizers, rack system speakers, EXCLUDING: audio racks)—labor and parts for one (1) year.

ALL AUDIO RACKS (cabinets)—parts only 30 days.  
TECHNICS STAND ALONE SPEAKERS, SUBWOOFER SPEAKERS—labor and parts for three (3) years.

ACCESSORIES—HEADPHONES, CARTRIDGES, MICROPHONES, ADAPTERS—labor and parts for ninety (90) days.

BATTERIES—(when applicable)—New rechargeable batteries in exchange for defective rechargeable batteries for ten (10) days. Non-rechargeable batteries are not warranted.

RECHARGEABLE BATTERY PACKS—(when applicable)—New rechargeable battery packs in exchange for defective rechargeable battery packs for ninety (90) days. Non-rechargeable battery packs are not warranted.

Carry-in or mail-in service in the U.S.A. can be obtained during the warranty period by contacting a Panasonic Services Company (PASC) Factory Servicenter listed in the Servicenter Directory. Or call toll free, 1-800-211-7262 to locate a PASC authorized Servicenter. Carry-in or mail-in service in Puerto Rico can be obtained during the warranty period by calling the Panasonic Sales Company telephone number listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty service is rendered.

This warranty only covers failures due to defects in materials and workmanship which occur during normal use and does not cover normal wear to the stylus (when applicable) or a dealer installed cartridge or stylus. The warranty does not cover damages which occur in shipment or failures which are caused by products not supplied by the warrantor, or failures which result from accident, misuse, abuse, neglect, mishandling, faulty installation, misapplication, set-up adjustments, maladjustment of consumer controls, improper operation or maintenance, improper antenna, inadequate signal reception or pick-up, alteration, modification, power line surge, improper voltage supply, lightning damage, commercial use, such as; hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a PASC Factory Servicenter or a PASC authorized Servicenter, or damage that is attributable to acts of God.

### LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations 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.

If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Consumer Affairs Department at the company address indicated above.

### If you ship the product

Carefully pack and send it prepaid, adequately insured and preferably in the original carton. Attach a postage-affixed letter, detailing the complaint, to the outside of the carton.

*Do NOT send the product to the Executive or Regional Sales offices. They are NOT equipped to make repairs.*

### Customer's Record

Model No. _____	Dealer's Name _____
Serial No. _____ or _____	_____
Code No. _____	Dealer's Address _____
Date of Purchase _____	_____



# Specifications

## AMPLIFIER SECTION **SC-AK77**

<b>Power output</b>	
THD 10%, both channels driven	
Front 80 Hz (Low channel)	60 W per channel (8 Ω)
Front 1 kHz (High channel)	40 W per channel (6 Ω)
Center 1 kHz	100 W (8 Ω)
Surround 1 kHz	35 W per channel (8 Ω)
<b>Total power output</b>	
in stereo mode	200 W
<b>Total power output</b>	
in Dolby Pro Logic mode	370 W
<b>FTC power output</b>	
THD 10%, both channels driven	
Front 70 Hz–120 Hz (Low channel)	58 W per channel (8 Ω)
Front 120 Hz–16 kHz (High channel)	37 W per channel (6 Ω)
Center 70 Hz–16 kHz	94 W (8 Ω)
Surround 70 Hz–16 kHz	33 W per channel (8 Ω)
<b>Total power output</b>	
in stereo mode	190 W
<b>Total power output</b>	
in Dolby Pro Logic mode	350 W
<b>Input sensitivity</b>	
AUX 1, AUX 2	250 mV
<b>Input Impedance</b>	
AUX 1, AUX 2	13 kΩ

## AMPLIFIER SECTION **SC-AK66**

<b>Power output</b>	
THD 10%, both channels driven	
Front 1 kHz	70 W per channel (6 Ω)
Center 1 kHz	70 W (8 Ω)
Surround 1 kHz	35 W per channel (8 Ω)
<b>Total power output</b>	
in stereo mode	140 W
<b>Total power output</b>	
in Dolby Pro Logic mode	280 W
<b>FTC power output</b>	
THD 10%, both channels driven	
Front 70 Hz–16 kHz	60 W per channel (6 Ω)
Center 70 Hz–16 kHz	70 W (8 Ω)
Surround 70 Hz–16 kHz	35 W per channel (8 Ω)
<b>Total power output</b>	
in stereo mode	120 W
<b>Total power output</b>	
in Dolby Pro Logic mode	260 W
<b>Input sensitivity</b>	
AUX	250 mV
<b>Input Impedance</b>	
AUX	13 kΩ

## AMPLIFIER SECTION **SC-AK62**

<b>Power output</b>	
THD 10%, both channels driven	
Front 1 kHz	60 W per channel (6 Ω)
Center 1 kHz	60 W (8 Ω)
Surround 1 kHz	30 W per channel (8 Ω)
<b>Total power output</b>	
in stereo mode	120 W
<b>Total power output</b>	
in Dolby Pro Logic mode	240 W
<b>FTC power output</b>	
THD 10%, both channels driven	
Front 70 Hz–16 kHz	55 W per channel (6 Ω)
Center 70 Hz–16 kHz	55 W (8 Ω)
Surround 70 Hz–16 kHz	27.5 W per channel (8 Ω)
<b>Total power output</b>	
in stereo mode	110 W
<b>Total power output</b>	
in Dolby Pro Logic mode	220 W
<b>Input sensitivity</b>	
AUX	250 mV
<b>Input Impedance</b>	
AUX	13 kΩ

## FM TUNER SECTION

<b>Frequency range</b>	
87.9 – 107.9 MHz	(200 kHz steps)
87.5 – 108.0 MHz	(100 kHz steps)
<b>Sensitivity</b>	2.5 μV (IHF)
<b>S/N 26 dB</b>	2.2 μV
<b>Antenna terminal(s)</b>	75 Ω (unbalanced)

## AM TUNER SECTION

<b>Frequency range</b>	
520 – 1710 kHz	(10 kHz steps)
<b>Sensitivity</b>	560 μV/m
<b>S/N 20 dB (at 1000 kHz)</b>	

## CASSETTE DECK SECTION

<b>Track system</b>	
4 track, 2 channel	
<b>Heads</b>	
<b>Record/playback</b>	Solid permalloy head
<b>Erase</b>	Double gap ferrite head
<b>Motor</b>	
DC servo motor	
<b>Recording system</b>	
AC bias 100 kHz	
<b>Erasing system</b>	
AC erase 100 kHz	
<b>Tape speed</b>	
4.8 cm/s	
<b>Frequency response</b>	
(+3 dB, –6 dB at DECK OUT)	
<b>NORMAL (TYPE I)</b>	35 Hz – 14 kHz
<b>(SC-AK77 only)</b>	
<b>HIGH (TYPE II)</b>	35 Hz – 14 kHz
<b>S/N</b>	50 dB (A weighted)
<b>Wow and flutter</b>	
0.18% (WRMS)	
<b>Fast forward and rewind time</b>	
Approx. 120 seconds with C-60 cassette tape	

## CD SECTION

<b>Sampling frequency</b>	44.1 kHz
<b>Decoding</b>	16 bit linear
<b>Beam source/wavelength</b>	
Semiconductor laser/780 nm	
<b>Number of channels</b>	
Stereo	
<b>Frequency response</b>	
20 Hz–20 kHz (+1, –2 dB)	
<b>Wow and flutter</b>	
Below measurable limit	
<b>Digital filter</b>	8 fs
<b>D/A converter</b>	MASH (1 bit DAC)

## SPEAKER SECTION

<b>• Front speakers <b>SB-AK77</b></b>	
<b>Type</b>	
3 way speaker system	
<b>Speaker(s)</b>	
<b>Super Woofer</b>	17 cm (6 <sup>3</sup> / <sub>4</sub> " ) cone type
<b>Woofer</b>	12 cm (4 <sup>3</sup> / <sub>4</sub> " ) cone type
<b>Tweeter</b>	6 cm (2 <sup>3</sup> / <sub>8</sub> " ) cone type
<b>Impedance</b>	
<b>HIGH</b>	6 Ω
<b>LOW</b>	8 Ω
<b>Input power</b>	
<b>HIGH</b>	60 W (Music)
<b>LOW</b>	140 W (Music)

<b>Output sound pressure level</b>	
87 dB/W (1.0 m)	
<b>Cross over frequency</b>	
150 Hz, 5 kHz	
<b>Frequency range</b>	
45 Hz–22 kHz (–16 dB)	
55 Hz–20 kHz (–10 dB)	
<b>Dimensions (WxHxD)</b>	
230 x 332 x 291 mm	
(9 <sup>1</sup> / <sub>16</sub> " x 13 <sup>1</sup> / <sub>16</sub> " x 11 <sup>15</sup> / <sub>32</sub> " )	
<b>Mass</b>	
4.3 kg (9.5 lb)	

## • Front speakers **SB-AK66**

<b>Type</b>	
2 way speaker system	
<b>Speaker(s)</b>	
<b>Woofer</b>	12 cm (4 <sup>3</sup> / <sub>4</sub> " ) cone type
<b>Tweeter</b>	6 cm (2 <sup>3</sup> / <sub>8</sub> " ) cone type
<b>Impedance</b>	
6 Ω	
<b>Input power</b>	
100 W (Music)	
<b>Output sound pressure level</b>	
85 dB/W (1.0 m)	
<b>Cross over frequency</b>	
5 kHz	
<b>Frequency range</b>	
45 Hz–22 kHz (–16 dB)	
55 Hz–20 kHz (–10 dB)	
<b>Dimensions (WxHxD)</b>	
211 x 332 x 250 mm	
(8 <sup>5</sup> / <sub>16</sub> " x 13 <sup>1</sup> / <sub>16</sub> " x 9 <sup>27</sup> / <sub>32</sub> " )	
<b>Mass</b>	
2.8 kg (6.2 lb)	

## • Surround speakers **(SB-PS70A)**

<b>Type</b>	
1 way, 1 speaker	
<b>Speaker</b>	
<b>Full range</b>	8 cm (3 <sup>1</sup> / <sub>8</sub> " ) cone type
<b>Impedance</b>	8 Ω
<b>Input power</b>	60 W (Music)
<b>Output sound pressure level</b>	
84 dB/W (1.0 m)	
<b>Frequency range</b>	
120 Hz–20 kHz (–16 dB)	
<b>Dimensions (WxHxD)</b>	
170 x 106 x 118 mm	
(6 <sup>11</sup> / <sub>16</sub> " x 4 <sup>3</sup> / <sub>16</sub> " x 4 <sup>21</sup> / <sub>32</sub> " )	
<b>Mass</b>	
0.9 kg (2.0 lb)	

## • Center speaker **(SB-PC70A)**

<b>Type</b>	
2 way, 2 speaker	
<b>Speaker</b>	
<b>Woofer</b>	10 cm (4" ) cone type
<b>Tweeter</b>	6 cm (2 <sup>3</sup> / <sub>8</sub> " ) cone type
<b>Impedance</b>	8 Ω
<b>Input power</b>	120 W (Music)
<b>Output sound pressure level</b>	
85 dB/W (1.0 m)	
<b>Cross over frequency</b>	
4 kHz	
<b>Frequency range</b>	
75 Hz–22 kHz (–16 dB)	
<b>Dimensions (WxHxD)</b>	
250 x 121 x 147 mm	
(9 <sup>27</sup> / <sub>32</sub> " x 4 <sup>3</sup> / <sub>4</sub> " x 5 <sup>25</sup> / <sub>32</sub> " )	
<b>Mass</b>	
1.6 kg (3.5 lb)	

## GENERAL

<b>Power supply</b>	AC 120 V, 60 Hz
<b>Power consumption</b>	
230 W	
(For Canada only) 255 VA	
<b>Standby</b>	
0.29 W	
<b>Dimensions (WxHxD)</b>	
250 x 332 x 319 mm	
(9 <sup>27</sup> / <sub>32</sub> " x 13 <sup>1</sup> / <sub>16</sub> " x 12 <sup>9</sup> / <sub>16</sub> " )	
<b>Mass</b>	
(SC-AK77) 8.5 kg (18.7 lb)	
(SC-AK66) 8.3 kg (18.3 lb)	
(SC-AK62) 8.3 kg (18.3 lb)	

## Notes:

- Specifications are subject to change without notice. Mass and dimensions are approximate.
- Total harmonic distortion is measured by the digital spectrum analyzer.
- (For SB-AK77 only) HIGH stands for High Frequency. LOW stands for Low Frequency.

## Product Service

Do not attempt to remove the cover(s) or repair the unit yourself. Refer servicing to qualified personnel only.

## Product information

For product service, product information or assistance with product operation, refer to the servicenter directory.

*In the U.S.A., contact the Panasonic Customer Call Center at 1-800-211-7262, or email [consumerproducts@panasonic.com](mailto:consumerproducts@panasonic.com), or web site (<http://www.panasonic.com>).*

*In Canada, contact Panasonic Canada Inc. Customer Care Centre at 905-624-5505, web site ([www.panasonic.ca](http://www.panasonic.ca)), or an authorized Servicenter closest to you.*

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 \_\_\_\_\_

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