

Panasonic®

Owner's Manual CD Stereo System

Model No. **SC-AKX73**

Thank you for purchasing this product.

For optimum performance and safety, please read these instructions carefully.

Please keep this manual for future reference.

Register online at

www.panasonic.com/register (U.S. customers only)

If you have any questions, contact:

1-800-211-PANA (7262)

La guía rápida en español se encuentra en la contraportada.

Panasonic Consumer Marketing Company of North America,
Division of Panasonic Corporation of North America

One Panasonic Way, Secaucus,
New Jersey 07094
<http://www.panasonic.com>

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Printed in Malaysia

P En Sp

RQT9715-P
L0512CH0

Do the procedures with the remote control. You can also use the buttons on the main unit if they are the same.

Your system and the illustrations can look differently.

These operating instructions are applicable to the following system.

System	SC-AKX73
Main unit	SA-AKX73
Speakers	SB-AKX73
Subwoofer	SB-WAKX73

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 SC-AKX73

SERIAL NUMBER

User memo:

DATE OF PURCHASE

DEALER NAME

DEALER ADDRESS


TELEPHONE NUMBER

IMPORTANT SAFETY INSTRUCTIONS


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

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.





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	• LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.	FDA 21 CFR / Class
CAUTION	• CLASS 1M VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1 +A2/ Class 1M.	
WARNING	• KLASS 1M SYNLIIG OCH OSYNLIIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN DIREKT GENOM OPTISKT INSTRUMENT.	
FORSIGTIG	• SYNLIIG OG OSYNLIIG LASERSTRÅLING KLASS 1M. IKK ILAGET ER ÅBENT. UNDGÅ AT SE IJSE PÅ MED OPTISKE INSTRUMENTER.	
VARO!	• AVATTAESSA OLET ALTIINNA LUOKAN 1M NÄKYYVÄÄ JA NÄKYMÄTÖNTÄ. LASERSÄTELYÄ, ÄLÄ KATSO OPTISELLÄ LAITTEELLA SUORAAN SATEESEEN.	
VORSICHT	• SICHTBARE UND UNSICHTBARE LASERSTRÄHLUNG KLASSE 1M. WENN ABDECKUNG GEÖFFNET, NICHT DIREKT MIT OPTISCHEN INSTRUMENTEN BETRACHTEN.	
ATTENTION	• RAYONNEMENT LASER VISIBLE ET INVISIBLE. CLASSE 1M. EN CAS D'OUVERTURE, NE PAS REGARDER DIRECTEMENT À L'AIDE D'INSTRUMENTS D'OPTIQUE.	
PRECAUCIÓN	• RADIACIÓN LASER VISIBLE E INVISIBLE DE CLASE 1M AL ESTAR ABIERTO. NO VEA DIRECTAMENTE CON INSTRUMENTOS ÓPTICOS.	

RQLXS0106

Inside of product

Safety precaution

WARNING!

Unit

- To reduce the risk of fire, electric shock or product damage,
 - Do not expose this unit to rain, moisture, dripping or splashing.
 - Do not place objects filled with liquids, such as vases, on this unit.
 - Use only the recommended accessories.
 - Do not remove covers.
 - Do not repair this unit by yourself. Refer servicing to qualified service personnel.

CAUTION!

Unit

- To reduce the risk of fire, electric shock or product damage,
 - Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure this unit is well ventilated.
 - Do not obstruct this unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.
 - Do not place sources of naked flames, such as lighted candles, on this unit.
- Install this unit so that the power cord can be unplugged from the socket outlet immediately if any problem occurs.
- This unit utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Battery

- Do not break open or short-circuit the battery.
- Do not charge the alkaline or manganese battery.
- Do not use the battery if the cover has peeled off.
- Do not heat or expose to flame.
- Do not leave the battery(ies) in a car exposed to direct sunlight for a long period of time with door and windows closed.
- Remove the battery if you do not use the remote control for a long period of time. Keep in a cool, dark area.
- Danger of explosion if battery is incorrectly replaced. Replace only with the type recommended by the manufacturer.
- When disposing the batteries, please contact your local authorities or dealer and ask for the correct method of disposal.

FCC Note:

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.

Responsible Party:

Panasonic Corporation of North America
One Panasonic Way, Secaucus, NJ 07094

Support Contact:

Panasonic Consumer Marketing Company of North America
Telephone No.: 1-800-211-PANA (7262)

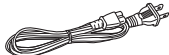
Supplied accessories

Check and identify the supplied accessories.

Use numbers indicated in parentheses when asking for replacement parts. (Product numbers correct as of May 2012. This may be subject to change.)

To order accessories, refer to "Accessory Purchases (United States and Puerto Rico)".

- ☐ **1 x AC power supply cord**
(K2CB2YY00059)



- ☐ **1 x AM loop antenna**
(N1DYYYY00011)



- ☐ **1 x FM indoor antenna**
(RSAX0002)



- ☐ **1 x Remote control**
(N2QAYB000636)



- ☐ **1 x Remote control battery**



- If you see this symbol -

Information on Disposal in other Countries outside the European Union



This symbol is only valid in the European Union.

If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

Maintenance

To clean this system, wipe with a soft, dry cloth

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

Panasonic Home Audio Products Limited Warranty

Limited Warranty Coverage (For USA and Puerto Rico Only)

If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Marketing Company of North America (referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, (b) replace it with a new or a refurbished equivalent value product, or (c) refund your purchase price. The decision to repair, replace or refund will be made by the warrantor.

Product or Part Name	Parts	Labor
Audio Products (except items below)	1 year	1 year
DVD Home Theater System	1 year	1 year
Home Theater Audio System	1 year	1 year
SD Memory Cards, Rechargeable Battery Packs (defective exchange)	90 days	Not Applicable

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. This Limited Warranty excludes both parts and labor for non-rechargeable batteries, antennas, and cosmetic parts (cabinet). This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is".

Carry-In or Mail-In Service

To find a service center please visit <http://www.panasonic.com/help> or call 1-800-211-PANA (7262).

When shipping the unit, carefully pack, include all supplied accessories listed in the Owner's Manual, and send it prepaid, adequately insured and packed well in a carton box. When shipping Lithium Ion batteries please visit our Web Site at www.panasonic.com/BatteryHandling as Panasonic is committed to providing the most up to date information. Include a letter detailing the complaint, a return address and provide a daytime phone number where you can be reached. A valid registered receipt is required under the Limited Warranty.

IF REPAIR IS NEEDED DURING THE WARRANTY PERIOD, THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

Limited Warranty Limits And Exclusions

This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Factory Service Center or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE".

THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, travel to and from the servicer, loss of or damage to media or images, data or other memory or recorded content. The items listed are not exclusive, but for illustration only.)

ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

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 exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Service Center. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

Customer Services Directory (United States and Puerto Rico)

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Service Center; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:

<http://www.panasonic.com/help>

or, contact us via the web at:

<http://www.panasonic.com/contactinfo>

You may also contact us directly at:

1-800-211-PANA (7262)

Monday-Friday 9am-9pm, Saturday-Sunday 10am-7pm EST

For hearing or speech impaired TTY users, TTY: 1-877-833-8855

Accessory Purchases (United States and Puerto Rico)

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:

<http://www.pstc.panasonic.com>

or, send your request by E-mail to:

npcparts@us.panasonic.com

You may also contact us directly at:

1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only)

(Monday-Friday 9am-9pm EST)

Panasonic National Parts Center

20421 84th Ave. S., Kent, WA 98032

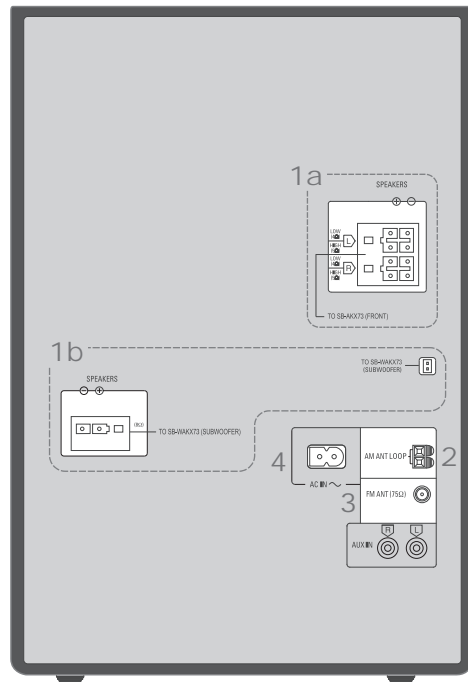
(We accept Visa, MasterCard, Discover Card, American Express)

For hearing or speech impaired TTY users, TTY: 1-866-605-1277

As of January 2012

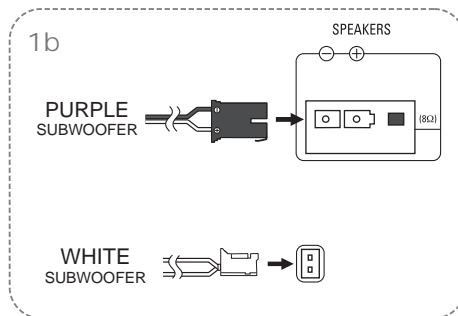
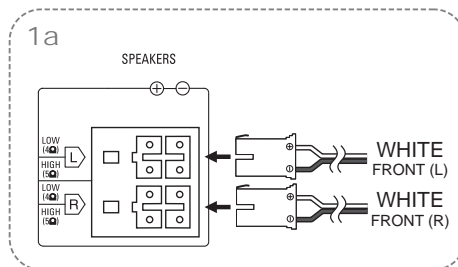
Making the connections

Connect the AC power supply cord only after all the other connections have been made.



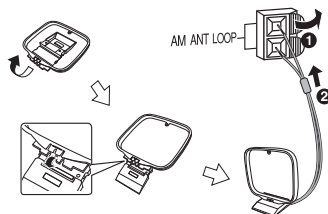
1 Connect the speakers and subwoofer.

Connect the speaker cables to the terminals of the same color.



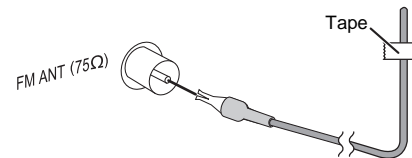
2 Connect the AM loop antenna.

Stand the antenna up on its base until it clicks.

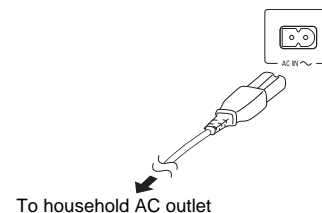


3 Connect the FM indoor antenna.

Place the antenna where reception is best.



4 Connect the AC power supply cord.



Do not use an AC power supply cord from other equipment.

Conserving power

The system consumes approximately 0.2 W when it is in standby mode. Disconnect the power supply if you do not use the system.

Some settings will be lost after you disconnect the system. You have to set them again.

Specifications

Amplifier section

RMS output power stereo mode

Front Hi (both ch driven)	145 W per channel (5 Ω), 1 kHz, 10% THD
Front Lo (both ch driven)	180 W per channel (4 Ω), 100 Hz, 10% THD
Subwoofer Ch	250 W per channel (8 Ω), 100 Hz, 10% THD
Total RMS stereo mode power	900 W (10% THD)

FTC output power stereo mode

Front Hi (both ch driven)	90 W per channel (5 Ω), 300 Hz to 20 kHz, 1% THD
Front Lo (both ch driven)	75 W per channel (4 Ω), 40 Hz to 300 Hz, 1% THD
Subwoofer Ch	100 W per channel (8 Ω), 40 Hz to 200 Hz, 1% THD
Total FTC stereo mode power	430 W

Tuner, terminals section

Preset station	FM 30 stations AM 15 stations
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Frequency modulation (FM)

Frequency range	87.9 MHz to 107.9 MHz (200 kHz step) 87.5 MHz to 108.0 MHz (100 kHz step)
Antenna terminals	75 Ω (unbalanced)

Amplitude modulation (AM)

Frequency range	520 kHz to 1710 kHz (10 kHz step)
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Microphone jack

Sensitivity	0.7 mV, 1.1 kΩ
Terminal	Mono, 3.5 mm (1/8") jack (1 system)

Music port (front)

Sensitivity	100 mV, 4.7 kΩ
Terminal	Stereo, 3.5 mm (1/8") jack

AUX input	RCA pin jack
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Disc section

Disc played [8 cm (3") or 12 cm (5")]

	CD, CD-R/RW (CD-DA, MP3*)
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Pick up

Wavelength	790 nm (CD)
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Audio output (disc)

Number of channels	2.1 ch (FL, FR, SW)
FL = Front left channel	
FR = Front right channel	
SW = Subwoofer channel	
* MPEG-1 Layer 3	

USB section

USB port

USB standard	USB 2.0 full speed
Media file format support	MP3 (*.mp3)
USB device file system	FAT12, FAT16, FAT32
USB port power	500 mA (max)
Bit rate	16 kbps to 320 kbps (playback)

Speaker section

Speakers (SB-AKX73)

Type	3 way, 3 speaker system (bass reflex)
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Speaker unit(s)

Super Woofer	20 cm (7 7/8") cone type
Woofer	10 cm (4") cone type
Tweeter	6 cm (2 3/8") cone type

Impedance

	5 Ω (high), 4 Ω (low)
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Output sound pressure

	87 dB/W (1 m)
Frequency range	48 Hz to 26 kHz (−16 dB) 66 Hz to 20 kHz (−10 dB)

Dimensions (W x H x D)	250 mm x 429 mm x 274 mm (9 7/8" x 16 7/8" x 10 3/4")
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Mass (Weight)	5.2 kg (11.5 lbs)
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Subwoofer (SB-WAKX73)

Type	1 way, 1 speaker system (bass reflex)
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Speaker unit(s)

Super Woofer	25 cm (10") cone type
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Impedance

	8 Ω
--	-----

Output sound pressure

	83 dB/W (1 m)
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Frequency range

	48 Hz to 250 Hz (−16 dB) 50 Hz to 200 Hz (−10 dB)
--	--

Dimensions (W x H x D)	320 mm x 400 mm x 274 mm (12 5/8" x 15 3/4" x 10 3/4")
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Mass (Weight)	6.3 kg (13.9 lbs)
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General

Power supply	AC 120 V, 60 Hz
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Power consumption	132 W
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Dimensions (W x H x D)	220 mm x 334 mm x 245 mm (8 5/8" x 13 1/4" x 9 5/8")
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Mass (Weight)	3.4 kg (7.5 lbs)
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Operating temperature range	0°C to +40°C (+32°F to 104°F)
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Operating humidity range	35% to 80% RH (no condensation)
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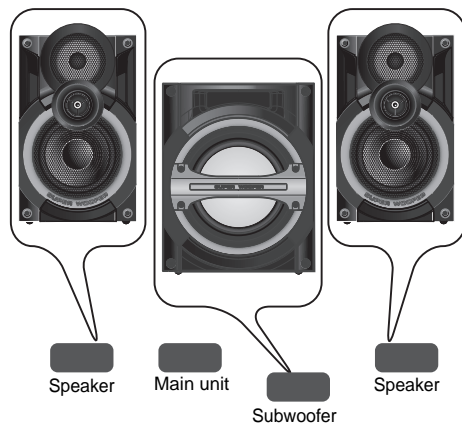
Power consumption in standby mode

0.2 W (approximate)

Note:

- Specifications are subject to change without notice. Mass and dimensions are approximate.
- Total harmonic distortion is measured by the digital spectrum analyzer.

Placement of speakers



The right and left speakers are the same.
You cannot remove the net of the speakers.

Subwoofer

Place on the floor or a sturdy shelf to reduce vibration.
Leave more than 10 cm (4") at the rear for ventilation.

CAUTION!

Do not touch the subwoofer cone:

- This may damage the subwoofer cone.
- The subwoofer cone may be hot.

Use only the supplied speakers.

The combination of the main unit and speakers give the best sound.

You can cause damage to the system and decrease the sound quality if you use other speakers.

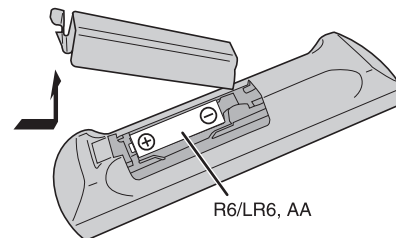
Note:

- Keep your speakers at least 10 mm ($\frac{13}{32}$ ") away from the system for proper ventilation.
- Put the speakers on a flat safe surface.
- These speakers do not have magnetic shielding. Do not put them near TVs, PCs or other equipment easily influenced by magnetism.
- When you play at high levels for a long period, it can cause damage to the system and decrease the life of the system.
- Decrease the volume in these conditions to prevent damage:
 - When you play distorted sound.
 - When you adjust the sound quality.

CAUTION!

- Use the speakers only with the recommended system. If not, you can cause damage to the amplifier and speakers and can cause a fire. Consult an approved service personnel if damage occurs or if there is a sudden apparent change in performance.
- Do the procedures included in these instructions when you attach the speakers.

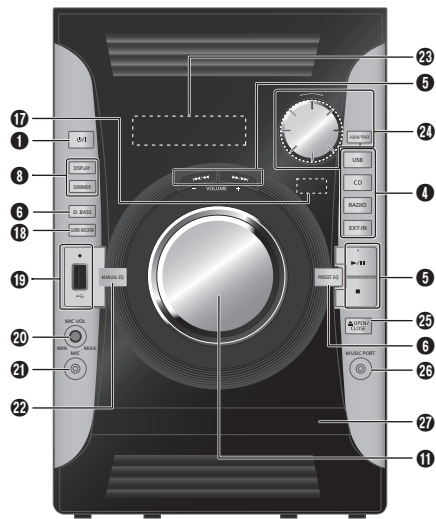
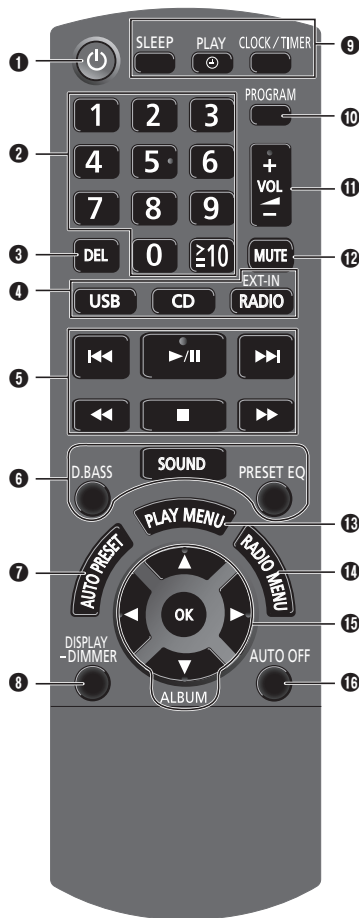
Preparing the remote control



Use alkaline or manganese battery.

Install the battery so that the poles (+ and –) align with those in the remote control.

Overview of controls



- 1 **Standby/on switch** [⏻], [⏻/⏹]
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
- 2 **Numeric buttons** [1] to [9], [0], [10]
To select a 2-digit number
Example: 16: [10] → [1] → [6]
- 3 **Delete a programmed track**
- 4 **Select audio source**
- 5 **Basic playback control**
- 6 **Select the sound effects**
- 7 **Auto preset the radio station**
- 8 **View content information**
Decrease the brightness of the display panel
Press and hold the button to use this function.
To cancel, press and hold the button again.
On main unit, press the button to use this function or press again to cancel.

- 9 **Clock and timer operation**
- 10 **Set the program function**
- 11 **Adjust the volume of the system**
- 12 **Mute the sound of the system**
Press the button again to cancel.
"MUTE" is also canceled when you adjust the volume or when you switch off the system.
- 13 **Set the play menu item**
- 14 **Set the radio menu item**
- 15 **Select the option**
- 16 **Automatically switch off the system**
When you are in disc or USB source, the auto off function switches off the system if you do not use the system for 30 minutes.
Press the button to use this function.
To cancel, press the button again.
- 17 **Remote control sensor**
Distance: Within approximately 7 m (23 ft)
Angle: Approximately 20° up and down, 30° left and right
- 18 **Set Super Woofer function**
- 19 **USB port** (⏻)
- 20 **Adjust the volume of the microphone**
- 21 **Microphone jack**
- 22 **Select the bass, mid or treble effect**
- 23 **Display panel**
- 24 **Browse tracks or albums**
[CD]
Turn the knob to browse the track.
Press [▶/⏹] to start playback from the selection.
[MP3]
Press [ALBUM/TRACK] to select album or track and then turn the knob to browse.
Press [▶/⏹] to start playback from the selection.
- 25 **Open or close the disc tray**
- 26 **Music port jack**
- 27 **Disc tray**

Disc

Playing disc

- 1 Press [▲, OPEN/CLOSE] on the main unit to open the disc tray.

Put in a disc with the label facing up.

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

- 2 Press [CD] and then press [▶/II] to start playback.

Stop playback	Press [■].
Pause playback	Press [▶/II]. Press again to continue playback.
Skip album (MP3)	Press [▲, ▼].
Skip track	Press [◀◀] or [▶▶] (main unit: [◀◀/◀◀] or [▶▶/▶▶]).
Search through track	Press and hold [◀◀] or [▶▶] (main unit: [◀◀/◀◀] or [▶▶/▶▶]).

Viewing available information

You can view the available information on the display panel.

Press [DISPLAY].

Note:

- Maximum characters that can be shown: approximately 32
- This system supports ver. 1.0 and 1.1 ID3 tags.
- Text data that the system does not support can show differently.


Play menu

- 1 Press [PLAY MENU] to select “PLAYMODE” or “REPEAT”.
- 2 Press [◀, ▶] and then press [OK] to select the desired mode.

PLAYMODE

OFF PLAYMODE	Play all tracks.
1-TRACK 1-TR	Play one selected track on the disc. Press the numeric buttons to select the track.
1-ALBUM 1-ALB (MP3)	Play one selected album on the disc. Press [▲, ▼] to select the album.
RANDOM RND	Play a disc randomly.
1-ALBUM RANDOM 1-ALB RND (MP3)	Play all tracks in one selected album randomly. Press [▲, ▼] to select the album.

REPEAT


ON REPEAT 	Repeat playback.
OFF REPEAT	Cancel repeat playback.

Note:

- Playmode function does not work with “Program playback”.
- The setting returns to the default “OFF PLAYMODE” when you open the disc tray.

Program playback

This function allows you to program up to 24 tracks.

- 1 Press [PROGRAM] in the stop mode.
“PGM” is shown.
- 2  Press the numeric buttons to select the desired track.
Do this step again to program other tracks.

(MP3)

1. Press [▲, ▼] to select the desired album.
 2. Press [▶▶] and then press the numeric buttons to select the desired track.
 3. Press [OK].
- Do these steps again to program other tracks.

- 3 Press [▶/II] to start playback.

Cancel program mode	Press [PROGRAM] in the stop mode.
Check program contents	Press [◀◀] or [▶▶] when “PGM” is shown in the stop mode.
Clear the last track	Press [DEL] in the stop mode.
Clear all programmed tracks	Press [■] in the stop mode. “CLR ALL” is shown. Within 5 seconds, press [■] again.

Note:

The program memory is cleared when you open the disc tray.

Note on disc

- This system can play CD-R/RW with CD-DA or MP3 format content.
- Some CD-R/RW cannot be played because of the condition of the recording.
- MP3 files are defined as tracks and folders are defined as albums.
- This system can access up to:
 - CD-DA: 99 tracks
 - MP3: 999 tracks, 255 albums and 20 sessions
- Disc must conform to ISO9660 level 1 or 2 (except for extended formats).
- Recordings will not necessarily be played in the order you recorded them.

Note about using a DualDisc

The digital audio content side of a DualDisc does not meet the technical specifications of the Compact Disc Digital Audio (CD-DA) format so playback may not be possible.

MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.

USB

You can connect and play MP3 tracks from your USB device.

Do not use a USB extension cable. The system cannot recognize USB device connected through a cable.

- 1 Connect the USB device to the USB port.**
Hold the main unit when connecting or disconnecting the USB device.
- 2 Press [USB] and then press [▶/II] to start playback.**

Stop playback	Press [■] during playback. "RESUME" is shown. Press [▶/II] to continue playback from the start of the track. OR Press [■] two times to stop the playback fully.
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For other operation, refer to "Disc".

Compatible USB devices which are defined as mass storage class:

- USB devices that support bulk-only transfer.
- USB devices that support USB 2.0 full speed.

Note:

- Files are defined as tracks and folders are defined as albums.
- Track must have the extension ".mp3" or ".MP3".
- This system can access up to:
 - 800 albums (including albums without MP3 tracks)
 - 8000 tracks
 - 999 tracks in one album
- CBI (Control/Bulk/Interrupt) is not supported.
- NTFS file system is not supported (only FAT 12/16/32 file system is supported).
- Some files can fail to work because of the sector size.

Radio

Manual tuning

- 1 Press [RADIO, EXT-IN] (main unit: [RADIO]) to select "FM" or "AM".**
- 2 Press [◀◀] or [▶▶] to select the frequency of the required station.**
To tune automatically, press and hold the button until the frequency starts changing quickly.
"ST" is shown when a stereo broadcast is being received.

Improving the sound quality

When "FM" is selected

- 1 Press [RADIO MENU] to select "FM MODE".**
- 2 Press [◀, ▶] to select "MONO" and then press [OK].**
To cancel, select "STEREO".
"MONO" is also canceled when you change the frequency.

When "AM" is selected

- 1 Press [RADIO MENU] to select "B.PROOF".**
- 2 Press [◀, ▶] to select "BP 1" or "BP 2" and then press [OK].**

Memory presetting

30 FM and 15 AM stations can be preset.

Automatic presetting

- 1 Press [OK] to select "LOWEST" or "CURRENT" frequency.**
- 2 Press [AUTO PRESET] to start presetting.**
To cancel, press [■].

Manual presetting

- 1 Press [◀◀] or [▶▶] to tune in to the station.**
- 2 Press [PROGRAM].**
- 3 Press the numeric buttons to select a preset number.**
Do steps 1 through 3 again to preset more stations.
The new station replaces any station that occupies the same preset number.

Selecting a preset station

Press the numeric buttons, [◀◀◀] or [▶▶▶] (main unit: [◀◀◀/◀◀◀] or [▶▶▶/▶▶▶]) to select the preset station.

FM allocation setting

By main unit only

This system can also receive FM broadcasts allocated in 0.1 MHz steps.

- 1 Press [RADIO] to select "FM" or "AM".**
- 2 Press and hold [RADIO].**

After a few seconds, the display panel shows the current minimum radio frequency. Release the button when the minimum frequency changes.

- To go back to the initial setting, do the above steps again.
- After you change the setting, preset frequencies are erased.

Clock and timers

Setting the clock

This is a 12-hour clock.

- 1 Press [CLOCK/TIMER] to select "CLOCK".
- 2 Within 10 seconds, press [▲, ▼] to set the time.
- 3 Press [OK].

Press [CLOCK/TIMER] to show the clock for a few seconds.

Note:

Reset the clock regularly to maintain accuracy.

Sleep timer

The sleep timer switches off the system after the set time.

Press [SLEEP] to select the setting (in minutes).

To cancel, select "OFF".

30MIN → 60MIN → 90MIN → 120MIN → OFF

To show the remaining time

Press [SLEEP].

Note:

- The sleep timer can be used together with the play timer.
- The sleep timer always comes first. Be sure not to set an overlap of timers.

Play timer

You can set the timer to come on at a certain time to wake you up.

Preparation

Set the clock.

- 1 Press [CLOCK/TIMER] to select "⌚PLAY".
- 2 Within 10 seconds, press [▲, ▼] to set the start time.
- 3 Press [OK].
- 4 Do steps 2 and 3 again to set the end time.

To start the timer

- 1 Prepare the audio source you want to listen to (disc, radio, USB, music port or AUX) and set the volume.
- 2 Press [⌚, PLAY].
"⌚PLAY" is shown.
To cancel, press [⌚, PLAY] again.
The system must be switched off for the timer to operate.

To check the settings

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

Note:

- The timer starts at a low volume and increases gradually to the preset level.
- The timer comes on at the set time every day if the timer is on.
- If you switch off the system and switch on again while a timer is in operation, the timer will not stop at the end time.

Using a microphone

Preparation

Decrease the volume of the system to its minimum before you connect or disconnect a microphone.

- 1 **Connect a microphone (not supplied) to the microphone jack.**
Plug type: Ø 3.5 mm (1/8") monaural
- 2 **Turn [MIC VOL, MIN/MAX] on the main unit to adjust the volume of the microphone.**

If you want to use the microphone with background music.

- 3 **Play the music source and adjust the volume of the system.**

Note:

- If a strange noise (howling) is emitted, move the microphone away from the speakers, or decrease the volume of the microphone.
- When you do not use the microphone, disconnect it from the microphone jack, and decrease the volume of the microphone level to "MIN".

Sound effects

BASS MID TREBLE	<div>1. Press [SOUND] to select "BASS", "MID" or "TREBLE".</div> <div>2. Press [◀, ▶] to adjust the level (-4 to +4).</div> <div>By main unit only</div> <div>1. Press [MANUAL EQ] to select "BASS", "MID" or "TREBLE".</div> <div>2. Press [◀◀/▶▶] or [▶▶/▶▶] to adjust the level.</div>
SURROUND	<div>1. Press [SOUND] to select "SURROUND".</div> <div>2. Press [◀, ▶] to select "ON SURROUND" or "OFF SURROUND".</div>
SUPERWOOFER	<div>1. Press [SOUND] to select "SUPERWOOFER".</div> <div>2. Press [◀, ▶] to select "SW1", "SW2", "SW3" or "OFF".</div> <div>By main unit only</div> <div>Press [SUPER WOOFER] to select "SW1", "SW2", "SW3" or "OFF".</div>
INPUT LEVEL (For music port source)	<div>1. Press [SOUND] to select "INPUT LEVEL".</div> <div>2. Press [◀, ▶] to select "NORMAL" or "HIGH".</div>
RE-MASTER <div>MP3</div>	<div>1. Press [SOUND] to select "RE-MASTER".</div> <div>2. Press [◀, ▶] to select "ON RE-MASTER" or "OFF RE-MASTER".</div>
PRESET EQ	Press [PRESET EQ] to select "HEAVY", "SOFT", "CLEAR", "VOCAL" or "FLAT".
D.BASS	Press [D.BASS] to select "D.BASS", "AUTO D.BASS" or "OFF D.BASS".

External equipment

Before connection

- Disconnect the AC power supply cord.
- Switch off all equipment and read the appropriate operating instructions.

Note:

Components and cables are sold separately.

Using the music port

You can play music from a portable audio equipment.

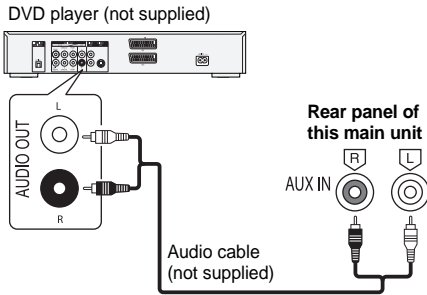
Preparation

Switch off the equalizer (if any) of the portable audio equipment to prevent sound distortion. Decrease the volume of the system and the portable audio equipment before you connect or disconnect the portable audio equipment.

- 1 **Connect the portable audio equipment.**
Plug type: Ø 3.5 mm (1/8") stereo (not supplied)
- 2 **Press [RADIO, EXT-IN] (main unit: [EXT-IN]) to select "MUSIC PORT".**
- 3 **Play the portable audio equipment.**

Using the auxiliary input

You can connect a VCR, DVD player etc. and listen to the audio through this system.



- 1 **Connect the external equipment.**
- 2 **Press [RADIO, EXT-IN] (main unit: [EXT-IN]) to select "AUX".**
- 3 **Play the external equipment.**

Note:

- If you want to connect equipment other than those described, refer to the audio dealer.
- Sound distortion can occur when you use an adapter.

Troubleshooting

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the solutions indicated do not solve the problem, consult your dealer for instructions.

Common problems

The display panel lights up and changes continuously in standby mode.

- Press and hold [■] on the main unit to select "DEMO OFF".

No operations can be done with the remote control.

- Examine that the battery is installed correctly.

Sound is distorted or no sound.

- Adjust the volume of the system.
- Switch off the system, determine and correct the cause, then switch the system on again. It can be caused by straining of the speakers through excessive volume or power, and when using the system in a hot environment.

A "humming" sound can be heard during playback.

- An AC power supply cord or fluorescent light is near the cables. Keep other appliances and cords away from the cables of this system.

The sound level reduces.

- The protection circuit has been activated due to the continuous use at high volume output. This is to protect the system and maintain the sound quality.

Disc

Display not shown correctly.

Playback does not start.

- You have not put in the disc correctly. Put it in correctly.
- Disc is dirty. Clean the disc.
- Replace the disc if it is scratched, warped, or non-standard.
- There is condensation. Let the system dry for 1 to 2 hours.

The total number of tracks displayed is incorrect.

The disc cannot be read.

Distorted sound is heard.

- You put in a disc that the system cannot play. Change to a playable disc.
- You put in a disc that has not been finalized.

Radio

Sound is distorted.

- Use an optional FM outdoor antenna. The antenna should be installed by a competent technician.

A beat sound is heard.

- Switch off the TV or move it away from the system.
- Set to "BP 1" or "BP 2" when in AM tuner mode.

A low hum is heard during AM broadcasts.

- Move the antenna away from other cables and cords.

USB

The USB device or the contents in it cannot be read.

- The format of the USB device or the contents in it is/are not compatible with the system.
- USB devices with storage capacity of more than 32 GB cannot work in some conditions.

Slow operation of the USB device.

- Large content size or large memory USB device takes longer time to read.

Main unit displays

"NO PLAY"

"UNSUPPORT"

- Examine the content. You can only play supported format.
- The files in the USB device can be corrupted. Format the USB device and try again.

"F61"

- Examine and correct the speaker cords connection.
- Disconnect the USB device. Switch off the system and then switch it on again.

"ERROR"

- An incorrect operation was done. Read the instructions and try again.

"PLAYERERROR"

- You played an unsupported MP3 files. The system will skip that track and play the next one.

"VBR—"

- The system cannot show the remaining play time for variable bit rate (VBR) tracks.

"NORMAL"

- The "INPUT LEVEL" of music port source automatically changes from "HIGH" to "NORMAL" when the system detects distorted music sounds.

"USB OVER CURRENT ERROR"

- The USB device is drawing too much power. Disconnect the USB device, switch off the system and then switch on again.

"NODEVICE"

- The USB device is not connected. Examine the connection.

"NO TRACK"

- There is no album or track in the USB device.

Memory reset (initialization)

Reset the memory when the following situations occur:

- There is no response when buttons are pressed.
- You want to clear and reset the memory contents.

1 Disconnect the AC power supply cord.

2 While you press and hold [⏏/⏏] on the main unit, connect the AC power supply cord again.
Continue to press and hold the button (approximately 10 seconds) until "-----" is shown.

3 Release [⏏/⏏].

All the settings are set back to the factory preset. It is necessary to set the memory items again.

Remote control code

When other Panasonic equipment responds to the remote control of this system, change the remote control code for this system.

Preparation

Press [RADIO, EXT-IN] (main unit: [EXT-IN]) to select "AUX" or "MUSIC PORT".

To set the code to "REMOTE 2"

1 Press and hold [EXT-IN] on the main unit and [2] on the remote control until "REMOTE 2" is shown.

2 Press and hold [OK] and [2] for a minimum of 4 seconds.

To set the code to "REMOTE 1"

1 Press and hold [EXT-IN] on the main unit and [1] on the remote control until "REMOTE 1" is shown.

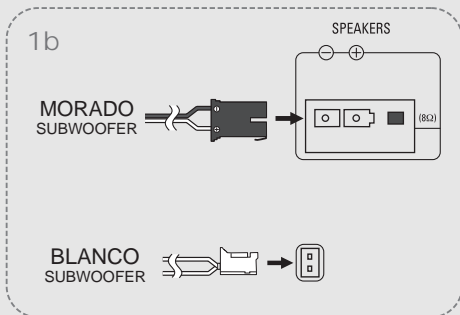
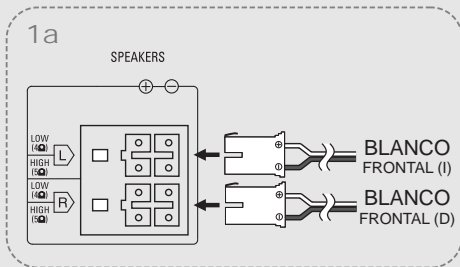
2 Press and hold [OK] and [1] for a minimum of 4 seconds.

Cómo realizar las conexiones

Conecte el cable de alimentación de CA sólo después de haber hecho todas las demás conexiones.

1 Conecte las bocinas y el subwoofer.

Conecte los cables de la bocina a los terminales del mismo color.



2 Conecte la antena de cuadro AM.

Ponga la antena en posición vertical sobre su base hasta que haga clic.

3 Conecte la antena interior FM.

Coloque la antena donde la recepción sea la mejor.

4 Conecte el cable de alimentación de CA.

No use un cable de alimentación de CA de otro equipo.

Disco

Cómo reproducir disco

1 Pulse [▲, OPEN/CLOSE] en la unidad principal para abrir la bandeja del disco.

Coloque un disco con la etiqueta hacia arriba.
Pulse [▲, OPEN/CLOSE] nuevamente para cerrar la bandeja del disco.

2 Pulse [CD] y después pulse [▶/II] para iniciar la reproducción.

Detener reproducción	Pulse [■].
Pausar la reproducción	Pulse [▶/II]. Pulse nuevamente para continuar la reproducción.
Saltar álbum (MP3)	Pulse [▲, ▼].
Saltar pista	Pulse [◀◀] o [▶▶] (unidad principal: [◀◀/▶▶] o [▶▶/▶▶]).
Buscar por pista	Pulse y mantenga pulsado [◀◀] o [▶▶] (unidad principal: [◀◀/▶▶] o [▶▶/▶▶]).

Menú de reproducción

1 Pulse [PLAY MENU] para seleccionar "PLAYMODE" o "REPEAT".

2 Pulse [◀, ▶] y luego pulse [OK] para seleccionar el modo deseado.

PLAYMODE

OFF PLAYMODE	Reproducir todas las pistas.
1-TRACK 1-TR	Reproduce una pista seleccionada del disco. Pulse los botones numéricos para seleccionar la pista.
1-ALBUM 1-ALB (MP3)	Reproduce un álbum seleccionado del disco. Pulse [▲, ▼] para seleccionar el álbum.
RANDOM RND	Reproduce un disco aleatoriamente.
1- ALBUM RANDOM 1-ALB RND (MP3)	Reproduce todas las pistas de un álbum seleccionado aleatoriamente. Pulse [▲, ▼] para seleccionar el álbum.

REPEAT

ON REPEAT	Repetir la reproducción.
OFF REPEAT	Cancelar la reproducción repetida.

USB

Usted puede conectar y reproducir pistas MP3 desde su dispositivo USB.

No use un cable de extensión USB. El sistema no puede reconocer el dispositivo USB conectado a través de un cable.

1 Conecte el dispositivo USB al puerto USB.

Sujete la unidad principal al conectar o desconectar el dispositivo USB.

2 Pulse [USB] y después pulse [▶/II] para iniciar la reproducción.

Detener reproducción	Pulse [■] durante la reproducción. Se visualiza "RESUME". Pulse [▶/II] para continuar la reproducción desde el principio de la pista. O Pulse [■] dos veces para detener totalmente la reproducción.
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Para otras operaciones, refiérase a "Disco".

Compatible con dispositivos USB definidos como tipo de almacenamiento masivo:

- Dispositivos USB que soportan sólo transferencia en masa.
- Dispositivos USB que soportan una velocidad total USB 2.0.

Radio

Sintonización manual

1 Pulse [RADIO, EXT-IN] (unidad principal:[RADIO]) para seleccionar "FM" o "AM".

2 Pulse [◀◀] o [▶▶] para seleccionar la frecuencia de la emisora requerida.

Para sintonizar automáticamente, pulse y mantenga pulsado el botón hasta que la frecuencia comience a cambiar rápidamente.

Se visualizará "ST" cuando se esté recibiendo una emisora estéreo.

Presintonización de la memoria

Se pueden preconfigurar 30 emisoras de FM y 15 de AM.

Preconfiguración automática

1 Pulse [OK] para seleccionar la frecuencia "LOWEST" (más baja) o "CURRENT" (actual).

2 Pulse [AUTO PRESET] para iniciar la preconfiguración. Para cancelar, pulse [■].

Preconfiguración manual

1 Pulse [◀◀] o [▶▶] para sintonizar la estación.

2 Pulse [PROGRAM].

3 Pulse los botones numéricos para seleccionar un número preconfigurado. Realice los pasos 1 al 3 nuevamente para preconfigurar más estaciones. La estación más reciente reemplazará cualquier estación que ocupe el mismo número preconfigurado.

Selección de una emisora preconfigurada

Pulse los botones numéricos, [◀◀] o [▶▶] (unidad principal: [◀◀/◀◀] o [▶▶/▶▶]) para seleccionar la estación preconfigurada.

Reloj y temporizador

Configuración de la hora

Este es un reloj con un sistema de 12 horas.

1 Pulse [CLOCK/TIMER] para seleccionar "CLOCK".

2 Dentro de 10 segundos, pulse [▲, ▼] para configurar la hora.

3 Pulse [OK].

Pulse [CLOCK/TIMER] para visualizar el reloj durante unos segundos.

Temporizador de apagado automático

El temporizador de apagado automático apagará el sistema después de la hora configurada.

Pulse [SLEEP] para seleccionar la configuración (en minutos).

Para cancelar, seleccione "OFF".

30MIN → 60MIN → 90MIN → 120MIN → OFF

Para visualizar el tiempo restante
Pulse [SLEEP].