Panasonic®

Operating Instructions

CD Stereo System

Thank you for purchasing this product.

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

Please keep this manual for future reference.

Note:
"EB" on the packaging indicates the United Kingdom.

Model No. **SC-AKX14**

EU

EB GN En
RQT9616-B
L0112CH0

CAUTION FOR AC MAINS LEAD

For the United Kingdom

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark ⓐ or the BSI mark ♡ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

CAUTION!
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as stated below.
If in any doubt please consult a qualified electrician.

IMPORTANT
The wires in this mains lead are coloured in accordance with the following code:
Blue: Neutral, Brown: Live.

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL ⏚ OR COLOURED GREEN OR GREEN/YELLOW.
THIS PLUG IS NOT WATERPROOF—KEEP DRY.
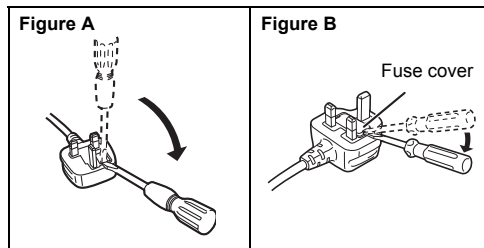
Before use
Remove the connector cover.

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

1) Open the fuse cover with a screwdriver.

Figure A	Figure B
	Fuse cover

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

Figure A	Figure B
 Fuse (5 ampere)	 Fuse (5 ampere)
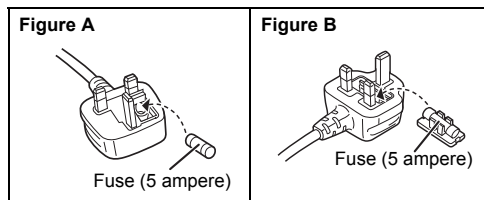
Supplied accessories

Check and identify the supplied accessories.
Use numbers indicated in parentheses when asking for replacement parts. (Product numbers correct as of March 2012. These may be subject to change.)

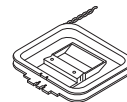**1 x AC mains lead**
For the United Kingdom
(K2CZ3YY00024)

For Australia and N.Z.
(K2CJ2DA00008)

1 x Remote control
(N2QAYB000636)

1 x Remote control battery

1 x AM loop antenna
(N1DYYYY00011)

1 x FM indoor antenna
(RSAX0002)

For the United Kingdom
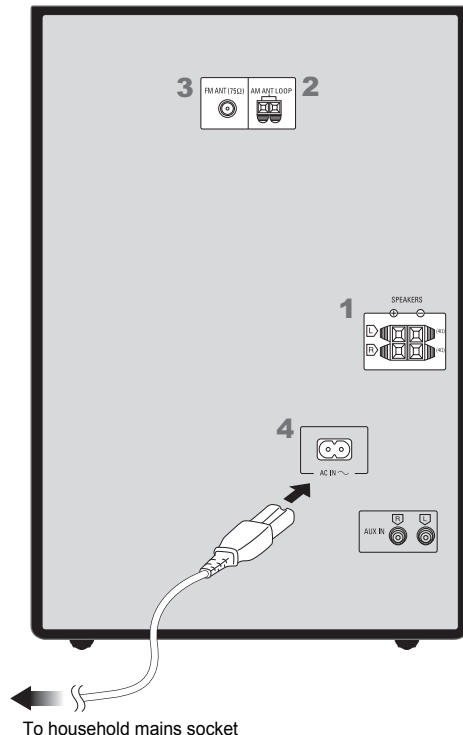**1 x Antenna plug adaptor**
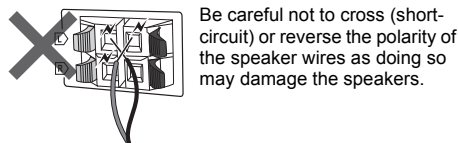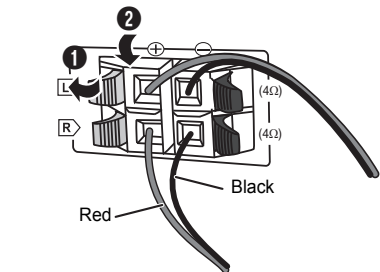(K1YZ02000013)

Making the connections

Conserving power

The system consumes approximately 0.3 W when it is in standby mode. Disconnect the power supply if you do not use the system.
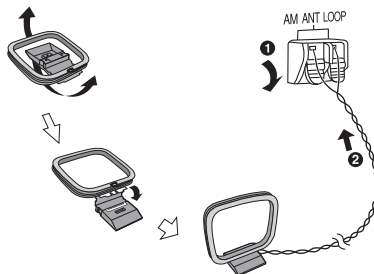Some settings will be lost after you disconnect the system. You have to set them again.

To household mains socket
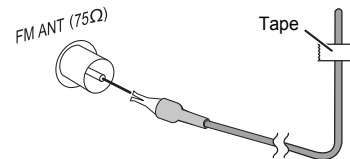
1 **Connect the speakers.**

Black
Red

Be careful not to cross (short-circuit) or reverse the polarity of the speaker wires as doing so may damage the speakers.

2 **Connect the AM loop antenna.**
Stand the antenna up on its base until it clicks.

AM ANT LOOP

3 **Connect the FM indoor antenna.**
Place the antenna where reception is best.

FM ANT (75Ω)   Tape

Connect the FM outdoor antenna

FM ANT (75 Ω)

FM outdoor antenna (not supplied)

75 Ω coaxial cable (not supplied)

For the United Kingdom

Use the antenna plug adaptor (supplied).
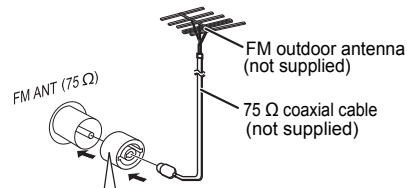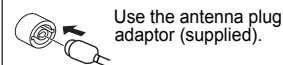
Note:
- If the radio reception is poor, use optional outdoor antenna. This antenna should be installed by a competent technician.
- Disconnect the outdoor antenna when the unit is not in use.
- Do not use the outdoor antenna during a lightning storm.
- Disconnect the FM indoor antenna.

4 **Connect the AC mains lead.**

For the United Kingdom
READ THE CAUTION FOR AC MAINS LEAD BEFORE CONNECTION.

Use the supplied AC mains lead with this system only. Do not use an AC mains lead from other equipment.

Do the procedures with the remote control. You can also use the buttons on the main unit if they are the same.
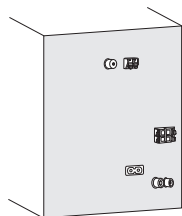
Your system and the illustrations can look differently.

These operating instructions are applicable to the following system.

System	SC-AKX14
Main unit	SA-AKX14
Speakers	SB-AKX14

Back of product

CLASS 1
LASER PRODUCT

Inside of product

Safety precautions

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.
  – Do not let metal objects fall inside this unit.
  – Do not handle the plug with wet hands.

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.
  – Set this unit up on an even surface away from direct sunlight, high temperatures, high humidity, and excessive vibration.
  – Do not use a DC power source.
- This unit is intended for use in moderate climates.
- Install this unit so that the AC mains lead can be unplugged from the socket outlet immediately if any problem occurs.
- This unit may receive radio interference caused by mobile telephones during use. If such interference occurs, please increase separation between this unit and the mobile telephone.
- 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 doors 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.

Sales and Support Information
For the United Kingdom and Ireland

Customer Communications Centre
- For customers within the UK: 0844 844 3899
- For customers within Ireland: 01 289 8333
- For further support on your product, please visit our website: www.panasonic.co.uk

Direct Sales at Panasonic UK
- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Communications Centre
  Monday-Thursday 9:00 a.m.-5:30 p.m.,
  Friday 9:30 a.m.-5:30 p.m. (Excluding public holidays)
- Or go on line through our Internet Accessory ordering application at www.pas-europe.com.
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic UK.
- It couldn't be simpler!
- Also available through our Internet is direct shopping for a wide range of finished products. Take a browse on our website for further details.

Placement of speakers

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

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 more than 10 mm from the main unit for 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

R6/LR6, AA
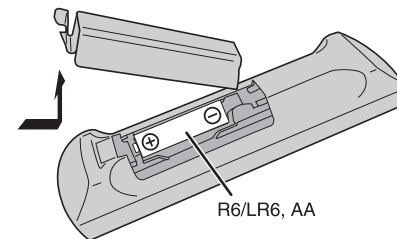
Use alkaline or manganese battery.

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

Point the remote control at the remote control sensor, away from obstacles, at a maximum range of 7 m directly in front of the main unit.

Overview of controls
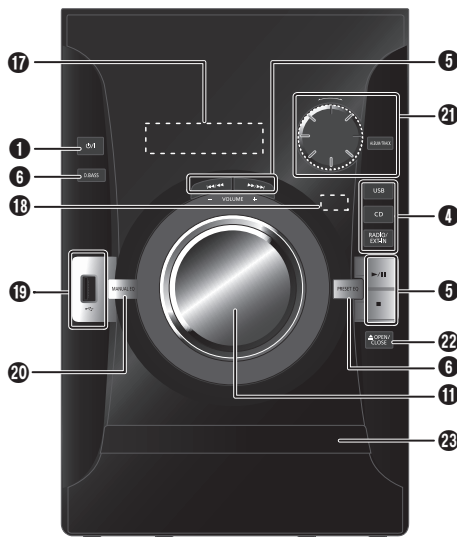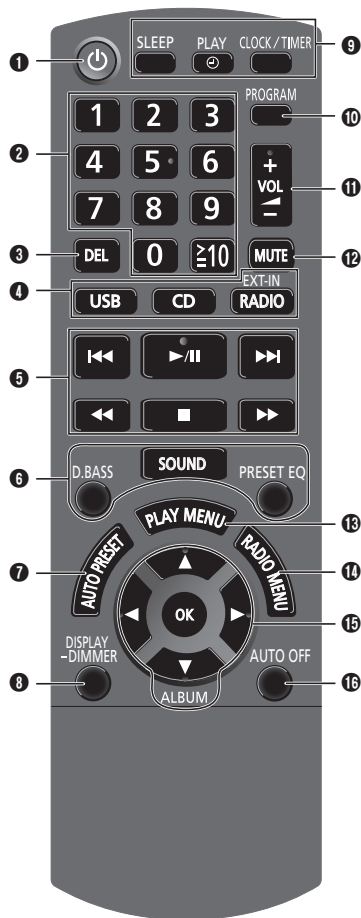
❶ Standby/on switch [⏻], [⏻/I]
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

❷ Numeric buttons [1 to 9, 0, ≧10]
To select a 2-digit number
Example: 16: [≧10] → [1] → [6]

❸ Delete a programmed track

❹ Select audio source

❺ Basic playback control

❻ Select the sound effects

❼ Auto preset the radio station

❽ 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.

❾ Clock and timer operation

❿ Set the program function

⓫ Adjust the volume of the system

⓬ Mute the sound of the system
Press the button again to cancel.
"MUTE" is also cancelled when you adjust the volume or when you switch off the system.

⓭ Set the play menu item

⓮ Set the radio menu item

⓯ Select the option

⓰ 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.
To cancel, press the button again.

⓱ Display panel

⓲ Remote control sensor

⓳ USB port (⦁⟵⟶)

⓴ Select bass or treble effect

㉑ Browse tracks or albums
(CD)
Turn the knob to browse the track.
Press [►/II] to start playback from the selection.
(MP3)
Press [ALBUM/TRACK] to select album or track and then turn the knob to browse.
Press [►/II] to start playback from the selection.

㉒ Open or close the disc tray

㉓ 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 [▶/ll] to start playback.**

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

Viewing available information

You can view the available information on the display panel.
Press [DISPLAY].

Note:
• Maximum characters that can be shown: approximately 16
• 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 1TR	Play one selected track on the disc. Press the numeric buttons to select the track.
1-ALBUM 1ALBUM (MP3)	Play one selected album on the disc. Press [▲, ▼] to select the album.
RANDOM RND	Play a disc randomly.
1-ALBUM RANDOM 1ALBUM 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 (CD)
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 [▶▶l] and then press the numeric buttons to select the desired track.**
3. **Press [OK].**
Do these steps again to program other tracks.

3 **Press [▶/ll] to start playback.**

Cancel program mode	Press [PROGRAM] in the stop mode.
Check program contents	Press [l◀◀] or [▶▶l] 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.

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 recognise USB device connected through a cable.

1 **Connect the USB device to the USB port.**

2 **Press [USB] and then press [▶/❙❙] to start playback.**

Stop playback	Press [■] during playback. "RESUME" is shown. Press [▶/❙❙] to continue playback from the start of the track. OR Press [■] two times to stop the playback fully.

For other operations, 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:
  – 255 albums (including albums without MP3 tracks)
  – 2500 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/EXT-IN]) 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.

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 cancelled 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].**

RDS broadcasting
`For the United Kingdom`

This system can show the text data transmitted by the radio data system (RDS) available in some areas.
Press [DISPLAY].

PS	Station name
PTY	Program type
FREQ	Frequency

Note:
RDS may not be available if reception is poor.

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.

AM allocation setting

By main unit only

This system can also receive AM broadcasts allocated in 10 kHz steps.

1 **Press [RADIO/EXT-IN] to select "FM" or "AM".**

2 **Press and hold [RADIO/EXT-IN].**

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.

Sound effects

BASS TREBLE	1. Press [SOUND] to select "BASS" or "TREBLE". 2. Press [◀, ▶] to adjust the level (-4 to +4). ***By main unit only*** 1. Press [MANUAL EQ] to select "BASS" or "TREBLE". 2. Press [I◀◀/◀◀] or [▶▶/▶▶I] to adjust the level.
SURROUND	1. Press [SOUND] to select "SURROUND". 2. Press [◀, ▶] to select "ON SURROUND" or "OFF SURROUND".
INPUT LEVEL (For AUX source)	1. Press [SOUND] to select "INPUT LEVEL". 2. Press [◀, ▶] to select "NORMAL" or "HIGH".
RE-MASTER (MP3)	1. Press [SOUND] to select "RE-MASTER". 2. Press [◀, ▶] to select "ON RE-MASTER" or "OFF RE-MASTER".
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".

Clock and timers

Setting the clock

This is a 24-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 or AUX) and set the volume.**

2 **Press [⏲, PLAY].**
"⏲" is shown.
To cancel, press [⏲, PLAY] again.
The system must be switched off for the timer to operate.

To check the settings
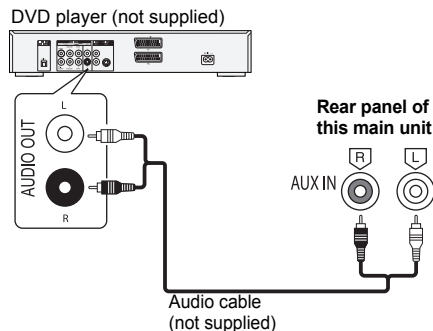**Press [CLOCK/TIMER] to select "⏲PLAY".**

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.

External equipment

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

Preparation
- Disconnect the AC mains lead.
- Switch off all equipment and read the appropriate operating instructions.

DVD player (not supplied)

Rear panel of
this main unit

AUDIO OUT
L
R

AUX IN
R
L

Audio cable
(not supplied)

1 **Connect the external equipment.**

2 **Press [RADIO, EXT-IN] (main unit: [RADIO/EXT-IN]) to select "AUX".**

3 **Play the external equipment.**

Note:
- Components and cables are sold separately.
- If you want to connect equipment other than those described, refer to the audio dealer.
- Sound distortion can occur when you use an adaptor.

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 mains lead or fluorescent light is near the cables. Keep other appliances and cords away from the cables of this system.

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 finalised.

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"
• Examine the content. You can only play supported format.
• If there are more than 255 albums or folders (audio and non-audio), some of the MP3 files in these albums cannot be read and played. Transfer these music albums to another USB device. Alternatively, reformat the USB device and save these music albums prior to saving the other non-audio folders.

"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.

"NOT MP3/ERROR"
• An unsupported MP3 format. 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 AUX source automatically changes from "HIGH" to "NORMAL" when the system detects distorted music sounds.

"NODEVICE"
• The USB device is not connected. Examine the connection.

Memory reset (initialisation)

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 mains lead.

2 While you press and hold [⏻/I] on the main unit, connect the AC mains lead again.
"– – – – – – – –" is shown.

3 Release [⏻/I].
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: [RADIO/EXT-IN]) to select "AUX".

To set the code to "REMOTE 2"

1 Press and hold [RADIO/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 [RADIO/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.

Maintenance

To clean this system, wipe with a soft, dry cloth
• Never use alcohol, paint thinner or benzine to clean this system.
• Before using chemically treated cloth, read the instructions that came with the cloth carefully.

Specifications

Amplifier section

RMS output power stereo mode

Front Ch (both ch driven)

125 W per channel (4 Ω), 1 kHz, 10% THD

Total RMS stereo mode power   250 W (10% THD)

320 W (max)

Tuner, terminals section

| **Preset station** | FM 30 stations |
| | AM 15 stations |

Frequency modulation (FM)

Frequency range

87.50 MHz to 108.00 MHz (50 kHz step)

Antenna terminals   75 Ω (unbalanced)

Amplitude modulation (AM)

Frequency range   522 kHz to 1629 kHz (9 kHz step)

520 kHz to 1630 kHz (10 kHz step)

Aux input   RCA pin jack

Disc section

Disc played (8 cm or 12 cm)

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

Pick up

| Wavelength | 790 nm (CD) |
| Laser power | CLASS 1 |

Audio output (disc)

| Number of channels | 2 ch (FL, FR) |

FL = Front left channel
FR = Front right 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

Type	2 way, 2 speaker system (bass reflex)
Speaker unit(s)	
Woofer	16 cm cone type
Tweeter	6 cm cone type
Impedance	4 Ω
Output sound pressure	85 dB/W (1 m)
Frequency range	48 Hz to 22 kHz (–16 dB)
	52 Hz to 20 kHz (–10 dB)
Dimensions (W x H x D)	200 mm x 334 mm x 193 mm
Mass	2.5 kg

General

Power supply	AC 220 to 240V, 50 Hz
Power consumption	58 W
Dimensions (W x H x D)	220 mm x 334 mm x 245 mm
Mass	2.8 kg
Operating temperature range	0°C to +40°C
Operating humidity range	35% to 80% RH (no condensation)

Power consumption in standby mode

0.3 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.