Panasonic®

Operating Instructions

CD Stereo System

Model No. **SC-AKX52**

Dear Customer

Thank you for purchasing this system.

For optimum performance and safety, read these instructions fully before you connect, operate or adjust this system.
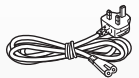
Keep this manual for future reference.

Your system and the illustrations can look differently.

SUPPLIED ACCESSORIES

Check and identify the supplied accessories.
Use numbers indicated in parentheses when asking for replacement parts. (As of March 2011)

1 x AC mains lead

For the United Kingdom

(K2CZ3YY00005)

For Australia and New Zealand

(K2CJ2DA00008)

1 x Remote control

(N2QAYB000637)

1 x Remote control battery

1 x FM indoor antenna

(RSAX0002)

1 x AM loop antenna

(N1DYYYY00010)

For the United Kingdom

1 x Antenna plug adaptor

(K1YZ02000013)

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

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

These operating instructions are applicable to the following system.

System	SC-AKX52
Main unit	SA-AKX52
Speakers	SB-AKX52

CLASS 1
LASER PRODUCT

Back of product

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
VARNING	– KLASS 1M SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN DIREKT GENOM OPTISKT INSTRUMENT.
FORSIGTIG	– SYNLIG OG USYNLIG LASERSTRÅLING KLASS 1M, NÅR LÅGET ER ÅBENT. UNDGÅ AT SE LIGE PÅ MED OPTISKE INSTRUMENTER.
VARO!	– AVATTAESSA OLET ALTTIINA LUOKAN 1M NÄKYVÄÄ JA NÄKYMÄTÖNTÄ. LASERSÄTEILYÄ. ÄLÄ KATSO OPTISELLA LAITTEELLA SUORAAN SÄTEESEEN.
VORSICHT	– SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG 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

Information for Users on Collection and Disposal of Old Equipment and used Batteries

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.
For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business users in the European Union
If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

[Information on Disposal in other Countries outside the European Union]
These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol (bottom two symbol examples):
This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

Cd

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.**
- **USE ONLY THE RECOMMENDED ACCESSORIES.**
- **DO NOT REMOVE THE COVER (OR BACK); THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

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

The socket outlet shall be installed near the equipment and easily accessible.
The mains plug of the power supply cord shall remain readily operable.
To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from AC receptacle.

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

THIS UNIT IS INTENDED FOR USE IN MODERATE CLIMATES.

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

For the United Kingdom and Ireland

■ Sales and Support Information
Customer Care Centre
- For customers within the UK: 0844 844 3852
- For customers within Ireland: 01 289 8333
- Visit our website for product information www.panasonic.co.uk
- E-mail: customer.care@panasonic.co.uk

Direct Sales at Panasonic UK
- For customers: 0844 844 3856
- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Care 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 Ltd.
- 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.

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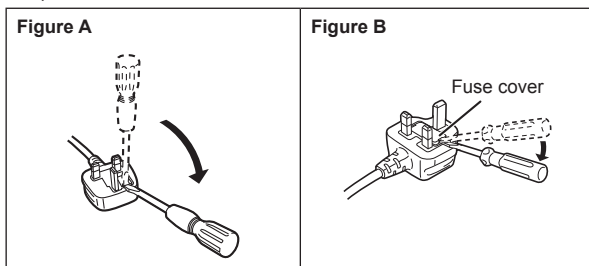
2. Replace the fuse and close or attach the fuse cover.

Figure A	Figure B
Fuse (5 ampere)	Fuse (5 ampere)
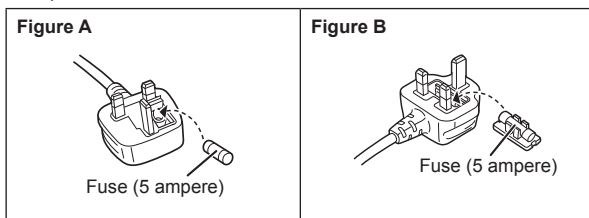
Safety precautions

Placement

Set the system up on an even surface away from direct sunlight, high temperatures, high humidity, and excessive vibration. These conditions can damage the cabinet and other components, thereby shortening the service life of the system.

Place it at least 15 cm away from wall surfaces to avoid distortion and unwanted acoustical effects.

Do not place heavy items on the system.

Voltage

Do not use high voltage power sources. This can overload the system and cause a fire.

Do not use a DC power source. Check the source carefully when setting the system up on a ship or other place where DC is used.

AC mains lead protection

Ensure the AC mains lead is connected correctly and not damaged. Poor connection and lead damage can cause fire or electric shock. Do not pull, bend, or place heavy items on the lead.

Grasp the plug firmly when unplugging the lead. Pulling the AC mains lead can cause electric shock.

Do not handle the plug with wet hands. This can cause electric shock.

Foreign matter

Do not let metal objects fall inside the system. This can cause electric shock or malfunction.

Do not let liquids get into the system. This can cause electric shock or malfunction. If this occurs, immediately disconnect the system from the power supply and contact your dealer.

Do not spray insecticides onto or into the system. They contain flammable gases which can ignite if sprayed into the system.
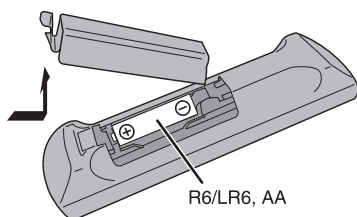
Service

Do not attempt to repair this system by yourself. If sound is interrupted, indicators fail to light, smoke appears, or any other problem that is not covered in these instructions occurs, disconnect the AC mains lead and contact your dealer or an authorised service centre. Electric shock or damage to the system can occur if the system is repaired, disassembled or reconstructed by unqualified persons.

Extend operating life by disconnecting the system from the power source if it is not to be used for a long time.

RQTX1299

Table of contents

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 (➡ 7), away from obstacles, at a maximum range of 7 m directly in front of the main unit.

CAUTION!
• 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 an automobile exposed to direct sunlight for a long period of time with doors and windows closed.
• Mishandling of battery can cause electrolyte leakage, which can cause a fire.
• Remove the battery if you do not use the remote control for a long period of time. Keep in a cool, dark area.

CAUTION!
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

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.**

RQTX1299

Making the connections

Connect the AC mains lead only after all the other connections have been made.
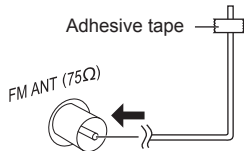
Conserving power
The system consumes approximately 0.3 W when it is in standby mode. Disconnect the power supply if you do not use the system.
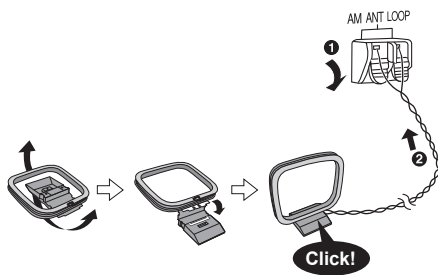Some settings will be lost after you disconnect the system. You have to set them again.

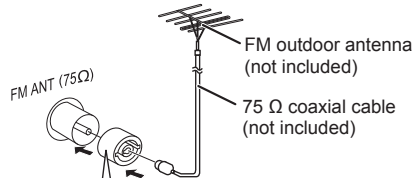### Connect the antennas

Place the antenna where reception is best.

FM indoor antenna

Adhesive tape

FM ANT (75Ω)

AM loop antenna

AM ANT LOOP

❶

❷

Click!

FM outdoor antenna

FM outdoor antenna (not included)

FM ANT (75Ω)

75 Ω coaxial cable (not included)

For the United Kingdom

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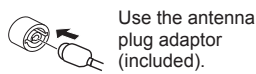
Note:
• If the radio reception is poor, use optional outdoor antenna. This antenna should be installed by a competent technician.
• Disconnect the outdoor antenna when the system is not in use.
• Do not use the outdoor antenna during a lightning storm.
• Disconnect the FM indoor antenna.

Connect the AC mains lead

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

SPEAKERS

HIGH (5Ω)
LOW (4Ω)
L

HIGH (5Ω)
LOW (4Ω)
R

TO SB-AKX52

FM ANT (75Ω) AM ANT LOOP

AC IN ～

AUX IN R L

Connect the speakers

SPEAKERS

⊖ ⊕

HIGH (5Ω)
LOW (4Ω)
L

HIGH (5Ω)
LOW (4Ω)
R
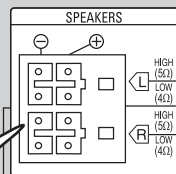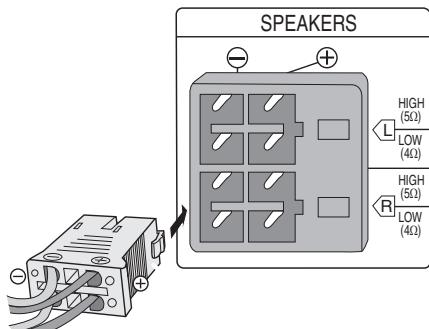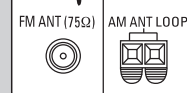
Refer to "Using the auxiliary input" (➡ 13) for more information on AUX connection.

To household mains socket

❶ Standby/on switch [Ⅾ], [Ⅾ/I] (➡ 12, 14)
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 Alphanumeric buttons
To set a 2-digit number
Example: 16: [≧10] → [1] → [6]
To set a character
Example: B: [2] → [2]

❸ Delete a programmed track (➡ 8)
Delete a selected track in a playlist (➡ 10)

❹ Select source
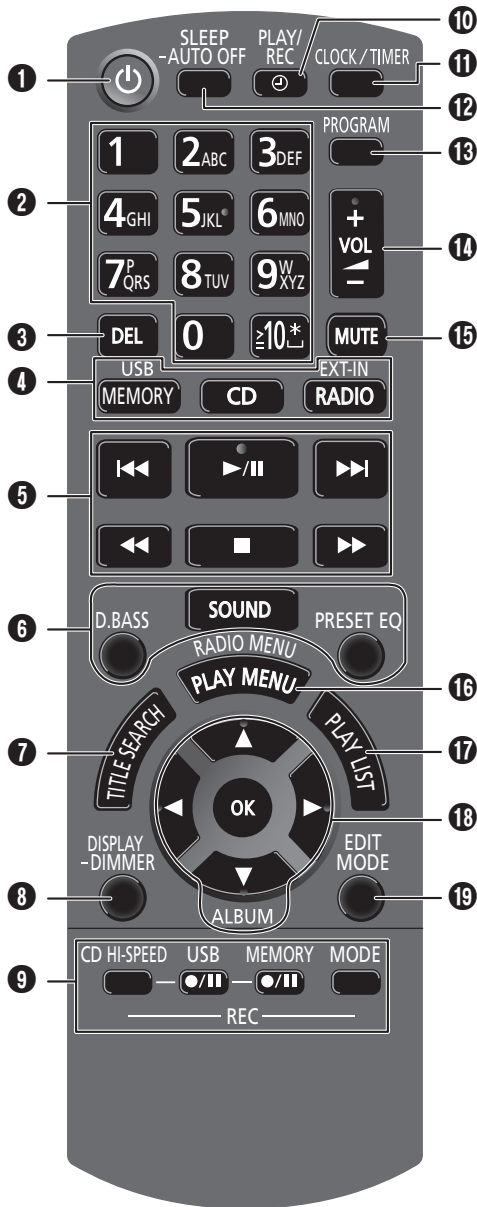**[MEMORY, USB]:** Select internal memory or USB (➡ 9)
[MEMORY]: Select internal memory
[USB]: Select USB
[CD]: Select disc (➡ 8)
[RADIO, EXT-IN]: Select radio, USB, music port or AUX
(➡ 11, 13)

❺ Basic operation
[▶/Ⅱ]: Playback or pause operation
[■]: Stop playback or recording
[I◀◀], [▶▶I]: Skip track
Select preset radio station
[◀◀], [▶▶]: Search track
Tune in to the radio station
[I◀◀/◀◀], [▶▶/▶▶I]: Skip and search track
Select preset radio station

❻ Select the sound effects (➡ 12)

❼ Start the title search (➡ 10)

❽ View the information shown on the display panel.
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 Recording operation for USB and internal memory (➡ 9)
[CD HI-SPEED REC]: CD high-speed recording
[●/Ⅱ, USB REC]: USB recording
[●/Ⅱ, MEMORY REC]: Internal memory recording
[REC MODE]: Set the record mode

❿ Set the play timer and record timer (➡ 12)

⓫ Set the clock and timer (➡ 12)

⓬ Set the sleep timer (➡ 12)
Automatically switch off the system
When you are in disc, USB or internal memory source, the auto off function switches off the system if you do not use the system for 30 minutes.
Press and hold the button to use this function.
To cancel, press and hold the button again.

⓭ Set the program function (➡ 8, 11)

⓮ Adjust the volume of the system

⓯ **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.

⓰ Set the play menu item (➡ 8)
Set the radio menu item (➡ 11)

⓱ Make playlist (➡ 10)

⓲ **[▲, ▼]:** Skip album
  Adjust clock setting
  [◄, ►]: Select the item in the menu
  [OK]: Confirm the setting

⓳ Set the edit mode for USB or internal memory
(➡ 11)

⓴ USB port (•⟻)

㉑ Music port

㉒ **Headphones jack (⌒)**
Plug type: Ø 3.5 mm stereo (not included)
• Avoid listening for prolonged periods of time to
  prevent hearing damage.
• Excessive sound pressure from earphones and
  headphones can cause hearing loss.
• Listening at full volume for long periods may
  damage the user's ears. Be sure to use the
  supplied or recommended headphones or
  earphones.

㉓ Remote control sensor

㉔ Display panel

㉕ Set Super Woofer function (➡ 12)

㉖ Set D.Bass function (➡ 13)

㉗ Set the Manual EQ effect (➡ 12)

㉘ **Browse tracks or albums**
  CD
Turn the knob to browse track.
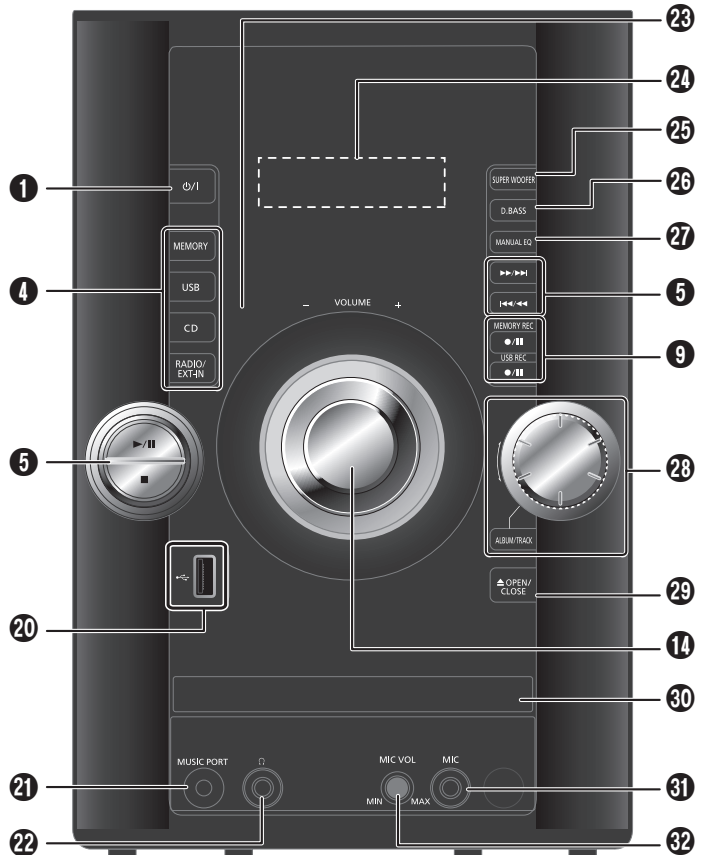Press [►/II] to start playback from the selection.
  MP3
Press [ALBUM/TRACK] to select album or track and
turn the knob to browse.
Press [►/II] to start playback from the selection.

㉙ Open or close the disc tray

㉚ Disc tray

㉛ Microphone jack (➡ 13)

㉜ Adjust the volume of the microphone

Discs

Playing discs

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

Playmode function

1 **Press [PLAY MENU] to select "PLAYMODE".**

2 **Press [◀, ▶] and then press [OK] to select the desired mode.**

OFF PLAYMODE	Play all tracks.
1-TRACK 1-TR	Play one selected track on the disc. Press the alphanumeric buttons to select the track. Playback starts from the selected 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.

Note:
• This function does not work with "Program playback".
• The setting returns to the default "OFF PLAYMODE" when you open the disc tray.

Repeat playback

You can repeat "Program playback" or other selected "Playmode function".

1 **Press [PLAY MENU] to select "REPEAT".**

2 **Press [◀, ▶] to select "ON REPEAT" and then press [OK].**
" ↻ " is shown.
To cancel, select "OFF REPEAT".

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.

Program playback

This function allows you to program up to 24 tracks.

CD

1 **Press [PROGRAM] in the stop mode.**
"PGM" is shown.

2 **Press the alphanumeric buttons to select the desired track.**
Do this step again to program other tracks.

3 **Press [▶/II] to start playback.**

MP3

1 **Press [PROGRAM] in the stop mode.**

2 **Press [▲, ▼] to select the desired album.**

3 **Press [▶▶I] and then press the alphanumeric buttons to select the desired track.**

4 **Press [OK].**
Do steps 2 through 4 again to program other tracks.

5 **Press [▶/II] to start playback.**

Cancel program mode	Press [PROGRAM] in the stop mode.
Replay the program	Press [PROGRAM] and then press [▶/II].
Check program contents	Press [I◀◀] or [▶▶I] when "PGM" is shown in the stop mode. To check while programming, press [PROGRAM] two times after "PGM" is shown, then press [I◀◀] or [▶▶I].
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 CDs

• This system can access up to 99 tracks.
• This system can play MP3 files and CD-DA format audio CD-R/RW that have been finalised.
• This system can fail to play some CD-R/RW because of the condition of the recording.

Note on MP3s

• Files are treated as tracks and folders are treated as albums.
• This unit can access up to 999 tracks, 255 albums and 20 sessions.
• Disc must conform to ISO9660 level 1 or 2 (except for extended formats).
• To play in a certain order, prefix the folder and file names with 3-digit numbers in the order you want them to play.

Limitations on MP3 playback
• If you have recorded MP3s on the same disc as CD-DA, only the format recorded in the first session can be played.
• Some MP3s cannot be played because of the condition of the disc or recording.
• Recordings will not necessarily be played in the order you recorded them.

USB and internal memory

You can connect and play music tracks from your USB mass storage device.

You can also record sound or music tracks into the 2 GB internal memory in MP3 format.

This system can play or record up to 800 folders (maximum 999 tracks in an album) or a total of 8000 tracks, depending on the available storage capacity.

Connecting a USB mass storage device

Preparation
Before you connect a USB mass storage device to the system, make sure you do a backup of the data.

Do not use a USB extension cable. The system cannot recognise USB mass storage device connected through a cable.

USB mass
storage device
(not included)

Decrease the volume and connect the USB mass storage device to the USB port.

Recording to a USB mass storage device or the internal memory

Panasonic cannot be held responsible on the action of consumer to record copyrighted contents which can cause copyright infringement.

Note:
- All recordings are in .mp3 format.
- You cannot do recording when you are using random playback mode.
- Repeat playback mode is off during recording.
- A new album is added each time you do a recording.
- The sequence of album can change after the recording.
- The recordings are kept in a folder named "REC_DATA" in the USB mass storage device.

Basic recording

1 **Select the source you want to record.**
Radio:
Tune in to the radio station.
CD :
Prepare the disc playback mode.

Record all tracks	Select "OFF PLAYMODE" (➡ 8, "Playmode function").
Record programmed tracks	Program the tracks you want (➡ 8, "Program playback").
Record a single track	Select "1-TRACK" (➡ 8, "Playmode function").

Make sure the disc is stopped.
External equipment:
Connect and play the equipment (➡ 13, "External equipment").

2 **Press [●/II, USB REC] or [●/II, MEMORY REC] to start recording.**
The name of the folder that keeps the recording is shown.

Stop recording	Press [■]. "WRITING" is shown.
Pause recording	Press [●/II, USB REC] or [●/II, MEMORY REC] during recording. Press again to continue recording. **Note:** You can pause during recording from the radio, music port or AUX (except in SYNCHRO mode). A track mark (➡ 10, "Adding track marks") is added every time you pause.

Note:
- "RENAME" and "ALBUM" is shown when the system rearranges and renames the folders in ascending order.
- USB recording indicator blinks during USB recording.

Recording MP3 tracks

MP3

You can record MP3 tracks in a disc to a USB mass storage device or the internal memory.

You can also record MP3 tracks from a USB mass storage device to the internal memory, or vice versa.

1 **Prepare the source you want to record.**

Record all tracks	Select "OFF PLAYMODE" (➡ 8, "Playmode function").
Record programmed tracks	Program the tracks you want (➡ 8, "Program playback").
Record specified album or track	Select "1-ALBUM" or "1-TRACK" (➡ 8, "Playmode function").

2 **Press [●/II, USB REC] or [●/II, MEMORY REC] to start recording.**

Example: Recording an album from the USB mass storage device to the internal memory.

Album being recorded   Percentage of the recording process

USB 007   77 MEMORY
MP3 ~1-ALB~   REC
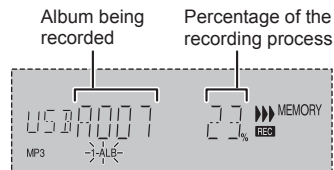
Stop recording	Press [■]. Recording stops at the last fully recorded track in the album. Example: If you stop recording during the fourth track, only the first three tracks are recorded. "NO FILE RECORDED" is shown if no track is recorded.

Note:
- Some tracks can use a longer time to record.
- Some MP3 tracks cannot be recorded because of the condition of the source.

Basic playback

1 **Press [MEMORY, USB] to select "MEMORY" or "USB".**

2 **Press [▶/II] to start playback.**

Stop playback	Press [■] during playback. Press [▶/II] to continue playback. OR Press [■] two times to stop the playback fully.

For other operations, refer to "Discs" (➡ 8).

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Viewing available information

You can view the available information on the display panel.

Press [DISPLAY].

In the stop mode	Available storage space or remaining recording time of USB mass storage device or internal memory.
During recording	Information that is related to recording.
During playback or pause	Information of the current track.

Title search

MEMORY

You can search for the desired track in the internal memory with title search.

1 Press [TITLE SEARCH].
"🔍" indicator blinks.

2 Press the alphanumeric buttons or [▲, ▼] to select the desired character then press [▶] to select next character.
To delete a character, press [DEL].

MEMMP
MP3

3 Press [OK].
Press [◀, ▶] to search for previous or next match.
"NOTFOUND" is shown if there is no match.

4 Press [OK] to confirm and play the track.
To cancel, press [TITLE SEARCH].

Note:
• This function skip tracks that are created with basic recording (➡ 9, "Basic recording").
• This function does not work with random or program playback.
• The character is not case sensitive.
• A same track title display will be shown for tracks with the same title.

Playlist

MEMORY

You can keep up to 10 playlists in the internal memory. Each playlist can keep up to 99 tracks.

1 Press [PLAYLIST].

2 Press [▲, ▼] to select the desired playlist.

3 Press [OK] to confirm.
"PL01 EMPTY" is shown if there is no track in the "PL01" playlist.

4 Press [▲, ▼] to select the desired album.
Press [I◀◀] or [▶▶I] to select the desired track.

5 Press [OK].
Press [EDIT MODE] and then do steps 4 and 5 again to add other tracks.

6 Press [▶/II] to start playback.

Cancel the playlist	Press [PLAYLIST] until "PL" has cleared.
Select other playlist	Press [PLAYLIST] and then [▲, ▼] to select the playlist.
Add tracks	In the stop mode, press [EDIT MODE] and then do steps 4 and 5 again to add other tracks.
View contents of the playlist	Press [I◀◀] or [▶▶I] in the stop mode.

Clear a single track	In the stop mode, press [I◀◀] or [▶▶I] to select the desired track you want to clear then press [DEL], "DELETE?" is shown. Within 5 seconds, press [OK].
Clear all tracks in a playlist	Press [■] in the stop mode, "CLEAR?" is shown. Within 5 seconds, press [OK].

Advanced recording functions

High-speed recording

CD

Recording speed:
CD : Four times (4x) the normal speed.
CD-RW : Two times (2x) the normal speed.

1 Put in the disc you want to record.

2 Press [CD].

3 Press [CD HI-SPEED REC] and [●/II, USB REC] or [●/II, MEMORY REC] together to start recording.

Note:
• If you cannot record at high-speed because of the condition of the disc, record the CD at normal speed.
• The sound is muted during high-speed recording.

Recording from CD using analogue format

CD

You can change your recording mode from digital recording to analogue recording.

1 Press [CD].

2 Press and hold [EDIT MODE] to select "ANALOG-REC".

ANALOG-REC ↔ DIGITAL-REC
(analogue recording) (digital recording)

Note:
• The recording mode returns to the default "DIGITAL-REC" after an analogue recording is completed.
• You cannot do high-speed recording in analogue recording mode.

Recording mode

You can select the desired recording mode before you start a basic recording (➡ 9, "Basic recording").
Press [REC MODE] to select the desired setting.

128 KBPS	Long play mode
192 KBPS	Standard quality mode
320 KBPS	High quality mode

Adding track marks

When recording from radio or external equipment, you can divide tracks using various modes.
Before recording
Press [EDIT MODE] to select the desired setting.

MANUAL	Add a track mark manually. **Press [OK] during recording to add a track mark.**
TIME MARK	A track is automatically divided at 5-minute intervals.
SYNCHRO (For music port or AUX source)	Recording starts automatically when the other equipment starts to play. Recording pause when it detects silence for 3 seconds.

Note:
• During recording, if you press [OK] or pause recording while using TIME MARK mode, the 5-minute counter is reset.
• You cannot add track marks manually in SYNCHRO mode.

Deleting the recorded tracks

1 Press [MEMORY, USB] to select "MEMORY" or "USB".

2 Press [▲, ▼] to select the desired album.
Press [◄◄] or [►►I] to select the desired track.

3 Press [EDIT MODE] to select the desired mode.

TRACKDEL	Delete a single track
ALBUMDEL	Delete one album (maximum 999 tracks)
FORMAT	Format the USB mass storage device
ALL DEL	Delete all albums in the internal memory

4 Press [OK].
The selected item to be deleted is shown.

5 Press [OK].
"SURE?NO" is shown.

6 Press [◄, ►] to select "YES" or "NO" and then press [OK].
Select "YES" to confirm the deletion. "WRITING" is shown.
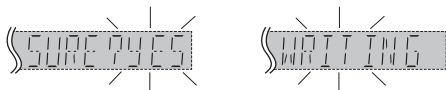
NOTE on USB

Compatible devices
• USB mass storage devices that support bulk-only transfer.
• USB mass storage devices that support USB 2.0 full speed.

Supported format
• Folders are defined as album.
• Files are defined as track.
• Tracks must have the extension ".mp3" or ".MP3".
• CBI (Control/Bulk/Interrupt) is not supported.
• NTFS file system is not supported (only FAT 12/16/32 file system is supported).
• Depending on the sector size, some files can fail to work.

Radio

Manual tuning

1 Press [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.
"ST" is shown when a stereo FM broadcast is being received.

To improve 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 "ST".

• "MONO" is also cancelled when you change the frequency.
• Turn off "MONO" for normal listening.

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].

For the United Kingdom

RDS broadcasting

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.

Preparation
Press [RADIO, EXT-IN] to select "FM" or "AM".

Automatic presetting

1 Press [OK] to select "LOWEST" or "CURRENT" frequency.

2 Press [RADIO MENU] to select "A.PRESET" and then press [OK].
"START?" is shown.

3 Press [OK] to start presetting.

Manual presetting

1 Press [◄◄] or [►►] to tune in to the station.

2 Press [PROGRAM].

3 Press the alphanumeric buttons to select a preset number.
The new station replaces any station that occupies the same preset number.

4 Do steps 1 through 3 again to preset more stations.

Selecting a preset station

Press the alphanumeric buttons, [I◄◄] or [►►I] (main unit: [I◄◄/◄◄] or [►►/►►I]) 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.

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".

30 MIN → 60 MIN → 90 MIN → 120 MIN → OFF

To show the remaining time
Press [SLEEP].

Note:
• The sleep timer can be used together with the play timer or record timer.
• The sleep timer always comes first. Be sure not to set an overlap of timers.

Play and record timers

You can set the timers to come on at a certain time to:
- Wake you up (play timer).
- Record from the radio or the external equipment (record timer).

Play timer and record timer cannot be used together.

Switch on the system and set the clock.

Play timer	Prepare the music source you want to listen to (disc, USB, internal memory, radio or external equipment) and set the volume.
Record timer	Connect the USB mass storage device (for USB recording) and tune to the radio station (➡ 11, "Radio") or select the external equipment (➡ 13, "External equipment").

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

CLOCK → ⏱ **PLAY** → ⏱ **REC**
└── Original display ←──┘

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

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.

5 Press [▲, ▼] to select the source you want to play or record.

6 Press [OK].

For play timer proceed to step 9.
For record timer continue from step 7.

7 Press [▲, ▼] to select "USB" or "MEMORY" to keep the recording.

8 Press [OK].

To start the timer

9 Press [⏱, PLAY/REC] to start the timer.

10 Press [⏻] to switch off the system.
The system must be switched off for the timer to operate.

Change the settings	Do steps 1 through 8 and 10 again (➡ left and above).
Change the volume	1) Press [⏱, PLAY/REC] to remove the timer indicator on the display panel. 2) Change the volume. 3) Do steps 9 and 10.
Check the settings	Press [CLOCK/TIMER] to select "⏱PLAY" or "⏱REC".
Cancel	Press [⏱, PLAY/REC] to remove the timer indicator on the display panel.

Note:
• The play timer starts at a low volume and increases gradually to the preset level.
• The record timer starts 30 seconds before the set time with the volume muted.
• 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.

Sound effects

Changing the sound quality

1 Press [SOUND] to select a sound effect.

2 Press [◄, ►] to select the desired setting.

BASS	-4 to +4
MID	
TREBLE	
SURROUND	"ON SURROUND" or "OFF SURROUND"
INPUT LEVEL (For music port source)	"NORMAL" or "HIGH"
SUPERWOOFER	"OFF", "SW1", "SW2" or "SW3" **Note:** Alternatively, press [SUPER WOOFER] on the main unit to select a setting.
RE-MASTER MP3	"ON RE-MASTER" or "OFF RE-MASTER"

By main unit only

1 Press [MANUAL EQ] to select "BASS", "MID" or "TREBLE".

2 Press [I◄◄/◄◄] or [►►/►►I] to adjust the level.

Preset EQ

Press [PRESET EQ] to select a setting.

HEAVY	Adds punch to rock
SOFT	For background music
CLEAR	Clarifies higher frequencies
VOCAL	Adds gloss to vocal
FLAT	Cancels the sound effect

D.BASS

Press [D.BASS] to select "D.BASS", "AUTO D.BASS" or "OFF D.BASS".

D.BASS	Enhances bass effect
AUTO D.BASS	Automatically adjusts the bass effect according to the sound or music track
OFF D.BASS	Cancels the function

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 included) to the microphone jack.**
Plug type : Ø 3.5 mm 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".

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] 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.**

External equipment

Before connection
• Disconnect the AC mains lead.
• 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 equaliser (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.

Audio cable (not included)

Portable audio equipment (not included)
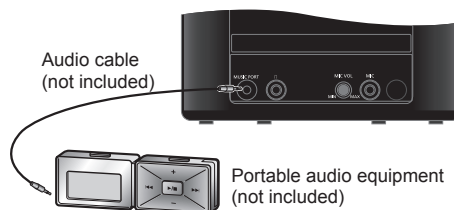
1 **Connect the portable audio equipment.**
Plug type: Ø 3.5 mm stereo

2 **Press [RADIO, 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.

VCR (not included)

Rear panel of this main unit

AUDIO OUT

AUX IN

Audio cable (not included)
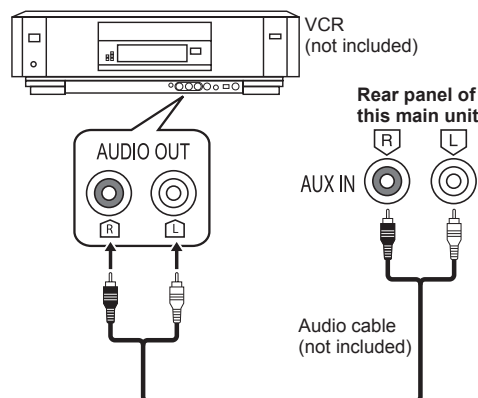
1 **Connect the external equipment.**

2 **Press [RADIO, 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 adaptor.

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Troubleshooting guide

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.
• Increase the volume.
• 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.

■ *Discs*

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 shown 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.
The stereo indicator flickers or does not light.
• 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 mass storage device or the contents in it cannot be read.
• The format of the USB mass storage device or the contents in it is/are not compatible with the system.
• USB mass storage devices with storage capacity of more than 32 GB cannot work in some conditions.

Slow operation of the USB mass storage device.
• Large content size or large memory USB mass storage 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 mass storage device can be corrupted. Format the USB mass storage device and try again.

"F61"
• Examine and correct the speaker cords connection.
• Disconnect the USB mass storage device. Switch off the system and then switch it on again.

"ERROR"
• An incorrect operation was done. Read the instructions and try again.

"ERROR" (during recording)
• You cannot select other playback source (example: radio, USB etc.) or press [I◄◄] or [►►I] during recording.
  Stop the recording function.
• You cannot open disc tray when recording from AM source.
• Select a suitable recording mode (128 kbps or 192 kbps) and continue recording.

"PLAYERROR"
• You played an unsupported MP3 file. 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.

"HI-SPEED CAN'T REC"
• You cannot do high-speed recording while using analogue mode. Change to digital mode or do normal recording.

"DEVICE FULL"
• You cannot do recording because the remaining recording time of the USB mass storage device is less than the total time of the music source.
  Change to a USB mass storage device which has enough recording time and do the recording again.

"USB OVER CURRENT ERROR"
• The USB mass storage device is drawing too much power. Disconnect the USB mass storage device. Switch off the system and then switch it on again.

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

"NO TRACK"
• There is no album or track in the USB mass storage device or the internal memory.

System memory reset (Initialisation)

When the following situations occur, refer to the instructions below to reset the memory:
• There is no response when buttons are pressed.
• You want to clear and reset the memory contents.

To reset the system memory

1 **Disconnect the AC mains lead.**
   (Wait 3 minutes before you continue with step 2.)

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

3 **Release [⏻/I].**
   All the settings are set back to the factory preset.
   It is necessary to set the memory items again.

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.

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SC-AKX52_GN_en.indd   14

2/28/2011   10:14:43 AM

Specifications

Amplifier section

RMS output power stereo mode
    Front high ch (both ch driven)
                145 W per channel (5 Ω), 1 kHz, 10% THD
    Front low ch (both ch driven)
                180 W per channel (4 Ω), 1 kHz, 10% THD
    Total RMS stereo mode power   650 W

FM/AM 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)
Headphones jack	
Terminal	Stereo, 3.5 mm jack
Output level (CD, 1 kHz, –20 dB)	0.5 mW + 0.5 mW, 32 Ω (max)
Mic jack	
Sensitivity	0.7 mV, 1.1 kΩ
Terminal	Mono, 3.5 mm jack (1 system)
Music port (front)	
Sensitivity	100 mV, 4.7 kΩ
Terminal	Stereo, 3.5 mm jack
AUX input	RCA pin jack

Disc section

Disc played (8 cm or 12 cm)
    (1) CD-Audio (CD-DA)
    (2) CD-R/RW (CD-DA, MP3* formatted disc)
    (3) MP3*
* MPEG-1 Layer 3
Pick up
    Wavelength   790 nm (CD)
Audio output (Disc)
    Number of channels   2 ch (FL, FR)
    FL = Front left channel
    FR = Front right channel

USB section

USB port	
USB Standard	USB 2.0 full speed
Media file format support	MP3 (*.mp3)
USB device file system	FAT 12, FAT 16, FAT 32
USB port power	500 mA (max)
Bit rate	16 kbps to 320 kbps (playback)
USB recording	
Bit rate	128 kbps, 192 kbps, 320 kbps
USB recording speed	1x, 4x (CD only)
Recording file format	MP3 (*.mp3)

Memory section

Memory	
Memory size	2 GB
Media file format support	MP3 (*.mp3)
Memory recording	
Bit rate	128 kbps, 192 kbps, 320 kbps
Memory recording speed	1x , 4x (CD only)
Recording file format	MP3 (*.mp3)
Capacity of total songs recorded	510 songs
(Use 128 kbps, approximately 1 song = 4 mins)	

Speaker section

Type	3 way, 3 speaker system (bass reflex)
Speaker unit(s)	
Super woofer	20 cm cone type
Woofer	10 cm cone type
Tweeter	6 cm cone type
Impedance	5 Ω (high), 4 Ω (low)
Output sound pressure	86 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 414 mm x 301 mm
Mass	5.5 kg

General

Power supply	AC 220 to 240 V, 50 Hz
Power consumption	118 W
Dimensions (W x H x D)	220 mm x 334 mm x 249 mm
Mass	3.4 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:
1. Specifications are subject to change without notice.
   Mass and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyser.

EU

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Panasonic Corporation
Web Site: http://panasonic.net

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