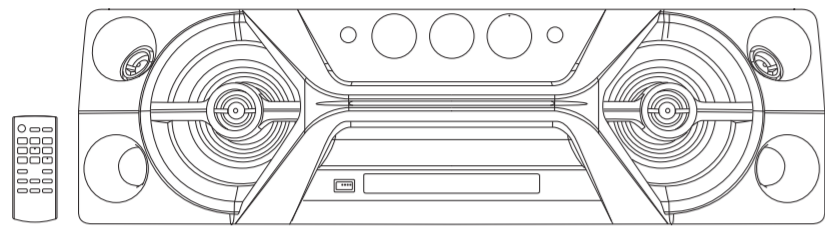# Panasonic®

Operating Instructions

CD Stereo System

Model No. **SC-UA3**

Thank you for purchasing this product.

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

Please keep this manual for future reference.

Your system and the illustrations can look differently.
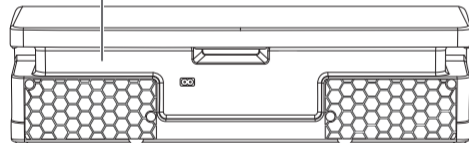
CLASS 1
LASER PRODUCT

The symbols on this product (including the accessories) represent the following:

∿ AC

□ Class II equipment (The construction of the product is double-insulated.)

| ON

⏻ Standby

For Australia and New Zealand

Disposal of Old Equipment and Batteries Only for European Union and countries with recycling systems

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 benzine to clean this system.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.

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.

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.
- This unit is intended for use in moderate and tropical climates.
- 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.
- Set the unit up on an even surface away from direct sunlight, high temperatures, high humidity, and excessive vibration.

AC mains lead
- The mains plug is the disconnecting device. Install this unit so that the mains plug can be unplugged from the socket outlet immediately.

Battery
- Danger of explosion if battery is incorrectly replaced. Replace only with the type recommended by the manufacturer.
- When disposing of the batteries, please contact your local authorities or dealer and ask for the correct method of disposal.
- 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.
- 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.
- Remove the battery if you do not use the remote control for a long period of time. Keep in a cool, dark area.

Note on AC mains lead

**(For the AC mains plug of three pins)**
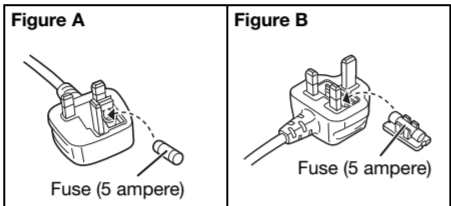
Before use
Remove the connector cover.

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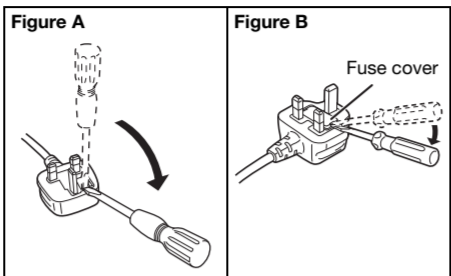
2. Replace the fuse and close or attach the fuse cover.

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

Supplied accessories

Check and identify the supplied accessories.

For Australia and New Zealand
1 AC mains lead
For others
3 AC mains lead
For Saudi Arabia

☐ **1 Remote control**
(N2QAYB001149)

☐ **1 Remote control battery**

☐ **1 FM indoor antenna**

Note:
Use the AC mains lead that is suitable for your household mains socket.

About Bluetooth®

Panasonic bears no responsibility for data and/or information that can possibly be compromised during a wireless transmission.

Frequency band
- This system uses the 2.4 GHz frequency band.

Certification
- This system conforms to the frequency restrictions and has received certification based on frequency laws. Thus, a wireless permit is not necessary.
- The actions below are punishable by law:
  – Taking apart or modifying the unit.
  – Removing specification indications.

Restrictions of use
- Wireless transmission and/or usage with all Bluetooth® equipped devices is not guaranteed.
- All devices must conform to standards set by Bluetooth SIG, Inc.
- Depending on the specifications and settings of a device, it can fail to connect or some operations can be different.
- This system supports Bluetooth® security features. But depending on the operating environment and/or settings, this security is possibly not sufficient. Transmit data wirelessly to this system with caution.
- This system cannot transmit data to a Bluetooth® device.

Range of use
- Use this device at a maximum range of 10 m.
- The range can decrease depending on the environment, obstacles or interference.

Interference from other devices
- This system may not function properly and troubles such as noise and sound jumps may arise due to radio wave interference if this unit is located too close to other Bluetooth® devices or the devices that use the 2.4 GHz band.
- This system may not function properly if radio waves from a nearby broadcasting station, etc. is too strong.

Intended usage
- This system is for normal, general use only.
- Do not use this system near an equipment or in an environment that is sensitive to radio frequency interference (example: airports, hospitals, laboratories, etc.).

Licenses

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under license. Other trademarks and trade names are those of their respective owners.

Google Play and Android are trademarks of Google Inc.

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

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 unit does not work.
- The safety device has been activated. Do the following:
  1. Press [⏻] on the unit to switch the unit to standby mode. If the unit does not switch to standby mode, disconnect the AC mains lead and connect it again.
  2. Press [⏻] again to switch on the unit. If the problem persists, consult your dealer.

The display panel lights up and changes continuously in standby mode.
- Press and hold [■] on the 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, and then switch 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.

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 finalised.

▌ USB

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

▌ Bluetooth®

Pairing cannot be done.
- Check the Bluetooth® device condition.
- The device is out of the 10 m communication range. Move the device nearer to the system.

The device cannot be connected.
- The pairing of the device was unsuccessful. Do pairing again.
- The pairing of the device has been replaced. Do pairing again.
- This system might be connected to a different device. Disconnect the other device and try connecting the device again.
- The system may have a problem. Switch off the system and then switch on again.
- If "MODE 2" is selected in "LINK MODE", select "MODE 1" (➡"Link mode").

The device is connected but audio cannot be heard through the system.
- For some built-in Bluetooth® devices, you have to set the audio output to "SC-UA3" manually. Read the operating instructions of the device for details.

Sound from the device is interrupted.
- The device is out of the 10 m communication range. Move the device nearer to the system.
- Remove any obstacle between the system and the device.
- Other devices that use the 2.4 GHz frequency band (wireless router, microwaves, cordless phones, etc.) are interfering. Move the device nearer to the system and distance it from the other devices.
- Select "MODE 1" for stable communication (➡"Link mode").

▌ Radio

Sound is distorted.
- Use an optional 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.
- Move mobile telephones away from the system if the interference is apparent.

▌ D-IN, AUX

Playback image and sound are not synchronised.
- When in D-IN source, set "D-IN MODE" to "MODE 2".
- When in AUX source, set "AUX MODE" to "MODE 2".

Karaoke effect cannot be used.
- When in D-IN source, set "D-IN MODE" to "MODE 1".
- When in AUX source, set "AUX MODE" to "MODE 1".

▌ Unit displays

"--:--"
- Track play time is more than 99 minutes.

"ADJUST CLOCK"
- The clock is not set. Adjust the clock.

"ADJUST TIMER"
- The play timer is not set. Adjust the play timer.

"AUDIO UNSUPPORTED"
- The signal format or frequency is not supported.
- This system does not support bitstream signals. Change the digital audio output setting on the external equipment to PCM.
- This system supports sampling frequencies of 32 kHz, 44.1 kHz, 48 kHz, up to 96 kHz. Select only the supported sampling frequencies on the connected equipment.
- Try connecting the external equipment by using the auxiliary input.

"AUTO OFF"
- The system has not been used for 20 minutes and will switch off within a minute. To cancel, press any button.

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

"F61"
- There is a problem with the amplifier of the system.
- Disconnect the USB device. Switch off the system and then switch on again.

"F703"
- Examine the Bluetooth® connection.
- Disconnect the Bluetooth® device. Switch off the system and then switch on again.

"F76"
- There is a problem with the power supply.
- Disconnect the AC mains lead and consult your dealer.

"F77"
- Disconnect the AC mains lead and consult your dealer.

"NO DISC"
- You have not put in a disc.

"NO PLAY"
"UNSUPPORT"
- There is no album or track in the USB device.
- 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.
- The system may have a problem. Switch off the system and then switch on again.

"NOT SUPPORTED"
- To use Karaoke effect in D-IN or AUX source, set "D-IN MODE" or "AUX MODE" to "MODE 1".

"PLAYERROR"
- An unsupported MP3 file has been played. The system will skip that track and play the next one.

"REMOTE 1"
"REMOTE 2"
- The remote control and the unit are using different codes. Change the code of the remote control.
  – When "REMOTE 1" is shown, press and hold [OK] and [Ⓑ] on the remote control for a minimum of 4 seconds.
  – When "REMOTE 2" is shown, press and hold [OK] and [USB/CD] on the remote control for a minimum of 4 seconds.

"USB NO DEVICE"
- The USB device is not connected. Examine the connection.

"USB OVER CURRENT ERROR"
- The USB device is using too much power. Disconnect the USB device, switch off the system and then switch on again.

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

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 [USB/CD] repeatedly to select "CD".

▌ To set the code to "REMOTE 2"

1. Press and hold [USB/CD] on the unit and [USB/CD] on the remote control until "REMOTE 2" is shown.
2. Press and hold [OK] and [USB/CD] on the remote control for a minimum of 4 seconds.

▌ To set the code to "REMOTE 1"

1. Press and hold [USB/CD] on the unit and [Ⓑ] on the remote control until "REMOTE 1" is shown.
2. Press and hold [OK] and [Ⓑ] on the remote control for a minimum of 4 seconds.

System memory reset

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 [⏻] on the unit, connect the AC mains lead again.
   Continue to press and hold the button until "– – – – – – – –" is shown.
3. Release [⏻].
   All the settings are set back to the factory preset. It is necessary to set the memory items again.

Transporting the unit

Preparation
Disconnect all connected devices and cables from the unit.

Always carry the unit as illustrated below when moving the unit around.

Holding both sides of the unit
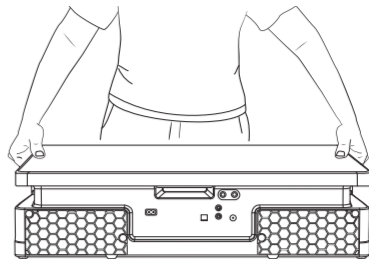
Holding the handle bar
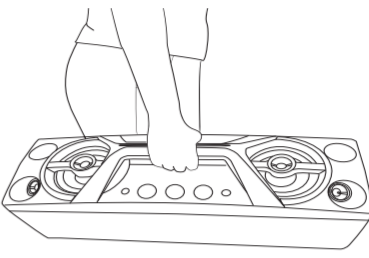
Note:
- Put the unit on a flat safe surface.
- The speakers do not have magnetic shielding. Do not put them near PCs or other equipment easily influenced by magnetism.
- When you play at high levels for a long period, it can cause damage to the speakers and decrease the life of the speakers.
- Decrease the volume in these conditions to prevent damage:
  – When the sound is distorted.
  – When you adjust the sound quality.

CAUTION!
- **Do not touch the speaker cone's reverberating surfaces:**
  – **This may damage the speaker cone.**
  – **The speaker cone may be hot.**
- **Do not drag the unit horizontally to avoid damage to the bottom of the unit or the table surface.**
- **Do not put the unit at the edge of the table to prevent it from falls and causing injuries, particularly to children.**
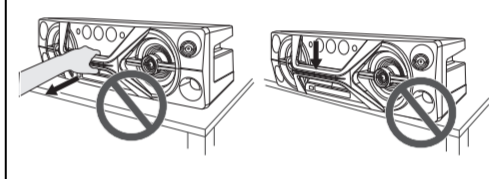
Making the connections

Connect the AC mains lead only after all the other connections have been made.

Except for Australia and New Zealand

MIC 1   MIC 2

OPTICAL DIGITAL AUDIO IN (D-IN)   AUX IN   FM ANT (75Ω)

❶

❷ AC IN ∿
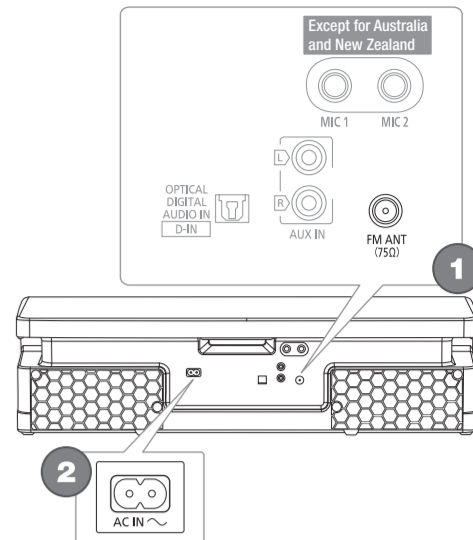
1 **Connect the FM indoor antenna.**
   Place the antenna where reception is best.

   Adhesive tape (not supplied)

   FM ANT (75Ω)

2 **Connect the AC mains lead.**
   Do not use any other AC mains leads except the supplied one.

   Conserving power
   The system consumes a small amount of power even 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.

Note:
Keep the antennas away from the AC mains lead to avoid picking up noise.

Specifications

▌ Amplifier section

RMS output power stereo mode

Front ch (both ch driven)	
150 W per channel (4 Ω), 1 kHz, 30% THD	
Total RMS stereo mode power	300 W

PMPO output power Except for Australia and New Zealand **3300 W**

▌ Tuner section

Frequency modulation (FM)

Preset memory	30 stations
Frequency range	87.50 MHz to 108.00 MHz (50 kHz step)
Antenna terminals	75 Ω (unbalanced)

▌ Disc section

Disc played (8 cm or 12 cm)

For Australia and New Zealand
CD, CD-R/RW (CD-DA, MP3*)
For others

* MPEG-1 Layer 3

Pick up

Wavelength	790 nm (CD)

▌ Bluetooth® section

Version	Bluetooth® Ver. 2.1 + EDR
Class	Class 2
Supported profiles	A2DP, AVRCP, SPP
Operating frequency	2.4 GHz band FH-SS
Operation distance	10 m line of sight

▌ Speaker section

Speaker unit(s)

Woofer	13 cm cone type x 2 pieces
Tweeter	4 cm cone type x 4 pieces

▌ Terminal section

USB port

USB standard	USB 2.0 full speed
Media file format support	MP3 (*.mp3)
USB device file system	FAT12, FAT16, FAT32

Digital audio input

Optical digital input	Optical terminal
Sampling frequency	32 kHz, 44.1 kHz, 48 kHz, 96 kHz

Analog audio input

Audio input	Pin jack (1 system)

Microphone Except for Australia and New Zealand

Terminal	Mono, 6.3 mm jack (2 systems)

▌ General

Power supply

For Australia and New Zealand	AC 220 V to 240 V, 50 Hz
For others	AC 220 V to 240 V, 50/60 Hz

Power consumption	51 W
Dimensions (W x H x D)	650 mm x 196 mm x 274 mm
Mass	6.1 kg
Operating temperature range	0°C to +40°C
Operating humidity range	35% to 80% RH (no condensation)

Power consumption in standby mode (approximate) 0.5 W

Power consumption in standby mode (approximate)
(With "BLUETOOTH STANDBY" set to "ON") 0.6 W

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

Overview of controls

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

① **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.

② **Select the audio source**
On the unit:
To start Bluetooth® pairing, press and hold [ⓑ].

③ Basic playback control

④ View the setup menu

⑤ View the content information

⑥ Select or confirm the option

⑦ Open or close the disc tray

⑧ **Decrease the brightness of the display panel**
The illumination is also switched off.
To cancel, press the button again.

⑨ Adjust the volume level

⑩ **Mute the sound**
To cancel, press the button again.
"MUTE" is also cancelled when you adjust the volume or when you switch off the system.

⑪ View the play menu

⑫ Select the sound effects

⑬ Select the jukebox

⑭ USB port (⟋←⟍)

⑮ Disc tray

⑯ Display panel

⑰ **Remote control sensor**
Distance: Within approximately 7 m
Angle: Approximately 20° up and down, 30° left and right

Preparing the remote control

Use alkaline or manganese battery.

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

R6/LR6, AA

Note:
You can pair up to 8 devices with this system. If a 9th device is paired, the device that has not been used for the longest time will be replaced.

Preparing media

Disc

1 Press [CD ⏏] (unit: [⏏]) to open the disc tray.
Put in a disc with the label facing up.
Press again to close the disc tray.

2 Press [USB/CD] repeatedly to select "CD".

USB

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

1 Decrease the volume and connect the USB device to the USB port.

2 Press [USB/CD] repeatedly to select "USB".

Note:
- Do not use a USB extension cable. The system cannot recognise USB device connected through a cable.
- Always disconnect the USB device before moving or tilting the unit, e.g. when connecting external devices or microphones.
- Some devices can be charged as the maximum USB charging current is 500 mA only.

Bluetooth®

You can connect and play an audio device wirelessly through Bluetooth®.

Preparation
- Switch on the Bluetooth® feature of the device and put the device near the system.
- Read the operating instructions of the device for details.

Pairing a device

Preparation
If this system is connected to a Bluetooth® device, disconnect it (➡ "Disconnecting a device").

1 Press [ⓑ].
If "PAIRING" is shown, continue with step 3.

2 Press [PLAY MENU] to select "PAIRING" and then press [OK].

3 Select "SC-UA3" from the Bluetooth® menu of the device.
If prompted for a passkey, input "0000" or "1234".
The device connects with this system automatically after pairing is complete.
The name of the connected device is shown for a few seconds.

Using the unit
1 Press and hold [ⓑ] until "PAIRING" is shown.

2 Select "SC-UA3" from the Bluetooth® menu of the device.

Media playback

The following marks indicate the availability of the feature.

CD : CD-R/RW in CD-DA format or with MP3 files.
USB : USB device with MP3 files.
BLUETOOTH : Bluetooth® device.

Basic playback

CD **USB** **BLUETOOTH**

Play	Press [▶/❙❙].
Stop	Press [■]. **USB** The position is memorised. "RESUME" is shown. Press again to stop fully.
Pause	Press [▶/❙❙]. Press again to continue playback.
Skip	**CD** Press [◀◀/◀◀] or [▶▶/▶▶❙] to skip track. **USB** Press [▲, ▼] to skip MP3 album.
Search	Press and hold [◀◀/◀◀] or [▶▶/▶▶❙].

Note:
Depending on the Bluetooth® device, some operations may not work.

Viewing available information

CD **USB** **BLUETOOTH**

You can view the available information, such as MP3 album and track number, on the display panel.

Press [DISPLAY].
Example: MP3 album and track number display.

```
RUB2 Tr58
```
Album number   Track number

Note:
- Maximum characters that can be shown: Approximately 32
- This system supports ver. 1.0, 1.1 and 2.3 ID3 tags.
- Text data that the system does not support can show differently.

Play menu

CD **USB**

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

2 Press [▲, ▼] to select the setting and then press [OK].

OFF PLAYMODE	Cancel the setting.
1-TRACK 1 ♪	Play one selected track. Press [◀◀/◀◀] or [▶▶/▶▶❙] to select the track.
1-ALBUM 1 ♫	Play one selected MP3 album. Press [▲, ▼] to select the MP3 album.
RANDOM RND	Play all tracks randomly.
1-ALBUM RANDOM 1 ♫ RND	Play all tracks in one selected MP3 album randomly. Press [▲, ▼] to select the MP3 album.
ALL REPEAT	Repeat all tracks.
1-TRACK REPEAT 1 ♪ ⟳	Repeat 1-TRACK.
1-ALBUM REPEAT 1 ♫ ⟳	Repeat 1-ALBUM.
RANDOM REPEAT RND ⟳	Repeat random playback.
1-ALBUM RANDOM REPEAT 1 ♫ RND ⟳	Repeat 1-ALBUM RANDOM.

Note:
- During random playback, you cannot skip to tracks which have been played.
- The setting is cancelled when you open the disc tray or disconnect the USB device.

Link mode

BLUETOOTH

You can change the link mode to suit the connection type.

Preparation
If this system is connected to a Bluetooth® device, disconnect it (➡ "Disconnecting a device").

1 Press [PLAY MENU] repeatedly to select "LINK MODE".

2 Press [▲, ▼] to select the mode and then press [OK].

MODE 1	Emphasis on connectivity.
MODE 2 (default)	Emphasis on sound quality.

Note:
- When enjoying video contents with this function, the video and audio output may not be synchronized. In this case, select "MODE 1".
- Select "MODE 1" if the sound is interrupted.

Note on disc
- This system can play CD-R/RW with CD-DA or MP3 format content.
- Before playback, finalise the disc on the device it was recorded on.
- Some CD-R/RW cannot be played because of the condition of the recording.

Note on USB device
- This system does not guarantee connection with all USB devices.
- This system supports USB 2.0 full speed.
- This system can support USB devices of up to 32 GB.
- Only FAT 12/16/32 file system is supported.

Note on MP3 file
- Files are defined as tracks and folders are defined as albums.
- Tracks must have the extension ".mp3" or ".MP3".
- Tracks will not necessarily be played in the order you recorded them.
- Some files can fail to work because of the sector size.

MP3 file on disc
- This system can access up to:
  – 255 albums (including root folder)
  – 999 tracks
  – 20 sessions
- Disc must conform to ISO9660 level 1 or 2 (except for extended formats).

MP3 file on USB device
- This system can access up to:
  – 800 albums (including root folder)
  – 8000 tracks
  – 999 tracks in one album

Radio

Preparation
Press [RADIO/EXT-IN] to select "FM".

Manual tuning

1 Press [PLAY MENU] repeatedly to select "TUNE MODE".

2 Press [▲, ▼] to select "MANUAL" and then press [OK].

3 Press [◀◀/◀◀] or [▶▶/▶▶❙] to tune in to the station.
To tune automatically, press and hold the button until the frequency starts changing quickly.
"STEREO" is shown when a stereo broadcast is being received.

Using the unit
1 Press [■] to select "MANUAL".

2 Press [◀◀/◀◀] or [▶▶/▶▶❙] to tune in to the station.

Memory presetting

You can preset up to 30 FM stations.

Automatic presetting

1 Press [PLAY MENU] repeatedly to select "A.PRESET".

2 Press [▲, ▼] to select "LOWEST" or "CURRENT" and then press [OK].

LOWEST	Tuning begins from the lowest frequency.
CURRENT	Tuning begins from the current frequency.

The tuner presets all the stations it can receive into the channels in ascending order.
To cancel, press [■].

Manual presetting

1 Press [PLAY MENU] repeatedly to select "TUNE MODE".

2 Press [▲, ▼] to select "MANUAL" and then press [OK].

3 Press [◀◀/◀◀] or [▶▶/▶▶❙] to tune in to the station.

4 Press [OK].

5 Press [▲, ▼] to select a preset number and then press [OK].
Do steps 3 through 5 again to preset more stations.
The new station replaces any station that occupies the same preset number.

Selecting a preset station

1 Press [PLAY MENU] repeatedly to select "TUNE MODE".

2 Press [▲, ▼] to select "PRESET" and then press [OK].

3 Press [◀◀/◀◀] or [▶▶/▶▶❙] to select the preset station.

Using the unit
1 Press [■] to select "PRESET".

2 Press [◀◀/◀◀] or [▶▶/▶▶❙] to select the preset station.

Improving the sound quality

1 Press [PLAY MENU] repeatedly 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.
To memorise the setting
Continue with step 4 of "Manual presetting".

Checking the signal status

Press [DISPLAY].

FM – – – –	The FM signal is weak.
FM ST	The FM signal is in stereo.
FM MONO	"MONO" is selected as the "FM MODE". The FM signal is in monaural.

Illumination

You can switch on or switch off the illumination on the system.

1 Press [SETUP] repeatedly to select "ILLUMINATION".

2 Press [▲, ▼] to select "ON" and then press [OK].
To cancel, select "OFF".

Note:
When dimmer function is switched on, the illumination on the system will remain off although you have switch on the illumination function.

Sound effects

Preset EQ
1 Press [SOUND] to select "PRESET EQ".

2 Press [▲, ▼] to select the desired preset EQ setting and then press [OK].

Manual EQ
1 Press [SOUND] repeatedly to select "MANUAL EQ".

2 Press [▲, ▼] to select the sound effect.

3 Press [◀◀/◀◀] or [▶▶/▶▶❙] to select the setting and then press [OK].

BASS/MID/TREBLE	–4 to +4
SURROUND	"ON SURROUND" or "OFF SURROUND"

D.Bass
1 Press [SOUND] repeatedly to select "D.BASS" and then press [▲, ▼] to select "D.BASS LEVEL" or "D.BASS BEAT".
To cancel, select "OFF D.BASS".

2 Press [◀◀/◀◀] or [▶▶/▶▶❙] to select the setting and then press [OK].

Note:
D.BASS BEAT: This function emphasises the attack level of the drumbeat and produces a punchy sound. Depending on the track, the effect may be small.

Jukebox

USB

You can use the jukebox to add a cross-fade effect between songs. You can also use additional features with the "Panasonic MAX Juke" app (➡ below).

1 Press [PLAY MENU] to select "JUKEBOX".

2 Press [▲, ▼] to select the setting and then press [OK].

Using the unit
Press [JUKEBOX] to select the setting.

OFF CROSSFADE	Cancel cross-fading.
ON CROSSFADE	Add cross-fading.
OFF	Switch off the jukebox.

Changing the repeat setting

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

2 Press [▲, ▼] to select the setting and then press [OK].

RANDOM REPEAT RND ⟳	Repeat random playback.
ALL TITLE REPEAT ⟳	Repeat all tracks.

Note:
- The system cannot to repeat mode automatically when you switch on the jukebox.
- The jukebox is switched off when you switch off the system or change to another source.
- The cross-fade function may not work between songs that have different sampling frequencies.

Using the "Panasonic MAX Juke" app
You can download and install the free Android™ app "Panasonic MAX Juke" on Google Play™ for additional features, such as to request song playback from multiple devices simultaneously. You can also call up the tracks you want to play through the app. For details on the app, refer to the site below.
http://av.jpn.support.panasonic.com/support/global/cs/audio/app/max_juke/android/index.html
(This site is in English only.)

Karaoke

Except for Australia and New Zealand

Preparation
Select the music source.

Note:
The Karaoke function is switched off when you switch off the system.

Changing the Karaoke effect

You can use the Karaoke effect function to add the sound effects.

1 Press [SOUND] repeatedly to select "KARAOKE EFFECT".

2 Press [▲, ▼] to select the effect.

VOCAL CANCEL	Switch on or switch off the voice guide (depending on source).
ECHO	Add echo effect to the sound.
KEY CONTROL	Change the key of a song.
TEMPO	**CD** **USB** Change the speed of a song.
BGM	Change the background music level.
MIC EQ	Select a MIC EQ level.
OFF	Cancel the effect.

3 Press [◀◀/◀◀] or [▶▶/▶▶❙] to select the setting and then press [OK].

Note:
To use the Karaoke effect in D-IN or AUX source, set "D-IN MODE" or "AUX MODE" to "MODE 1". (➡"D-IN mode and AUX mode")

Using a microphone

Except for Australia and New Zealand

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

Rear panel of this unit

MIC 1   MIC 2

Microphone (not supplied)

1 Connect a microphone (not supplied) to the microphone jack.
Plug type: Ø 6.3 mm monaural

2 Press [SOUND] repeatedly to select "MIC VOL".

3 Press [▲, ▼] to adjust the volume of the microphone and then press [OK].

4 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 to its minimum.

Clock and timers

Setting the clock

This is a 24-hour clock.

1 Press [SETUP] repeatedly to select "CLOCK".

2 Press [▲, ▼] to set the time and then press [OK].

To check the time
Press [SETUP] repeatedly to select "CLOCK" and then press [OK].
In standby mode, press [DISPLAY].

Note:
Reset the clock regularly to maintain accuracy.

Sleep timer

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

1 Press [SETUP] to select "SLEEP".

2 Press [▲, ▼] to select the setting (in minutes) and then press [OK].
To cancel, select "OFF".

SLEEP 30 ↔ SLEEP 60 ↔ SLEEP 90 ↔ SLEEP 120
↑——————————— OFF ←—————————┘

Note:
- The remaining time is shown for a few seconds every minute. "SLEEP 1" is always shown when only 1 minute remains.
- The sleep timer always comes first. Be sure not to set an overlap of timers.

Play timer
(Except for Bluetooth®, AUX and D-IN source)

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

Preparation
Set the clock.

1 Press [SETUP] repeatedly to select "TIMER ADJ".

2 Press [▲, ▼] to set the start time and then press [OK].

3 Do step 2 again to set the end time.

4 Press [▲, ▼] to select the source you want to play and then press [OK].

To start the timer
1 Prepare the source you want to listen to (disc, USB or radio) and set the volume.

2 Press [SETUP] repeatedly to select "TIMER SET".

3 Press [▲, ▼] to select "PLAY ON" and then press [OK].
"⏾" is shown.
To cancel, select "PLAY OFF".
The system must be switched off for the timer to operate.

To check the setting
Press [SETUP] repeatedly to select "TIMER ADJ" and then press [OK].
In standby mode, press [DISPLAY] two times.

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 then switch on again while a timer is in operation, the timer will not stop at the end time.

External equipment

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

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

Using the optical input

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

TV (not supplied)

Rear panel of this unit

OPTICAL DIGITAL AUDIO IN D-IN

Optical digital audio cable (not supplied)

OPTICAL OUT

1 Connect the external equipment.

2 Press [RADIO/EXT-IN] repeatedly to select "D-IN".

3 Play the external equipment.

Note:
- This system can only detect linear PCM signals.
- Sampling frequency: 32 kHz, 44.1 kHz, 48 kHz, up to 96 kHz.
- The sound is muted if the signal format or frequency is not supported.
- If there are sounds coming from the TV's speakers, decrease the volume of the TV to its minimum.

Using the auxiliary input

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

DVD player (not supplied)

Rear panel of this unit

AUX IN

AUDIO OUT

Audio cable (not supplied)

1 Connect the external equipment.

2 Press [RADIO/EXT-IN] repeatedly to select "AUX".

3 Play the external equipment.

To adjust the input level
1 Press [PLAY MENU] to select "INPUT LEVEL".

2 Press [▲, ▼] to select "NORMAL" or "HIGH" and then press [OK].

Note:
Select "NORMAL" if the sound is distorted during "HIGH" input level.

D-IN mode and AUX mode
Except for Australia and New Zealand

1 Press [RADIO/EXT-IN] repeatedly to select "D-IN" or "AUX".

2 Press [PLAY MENU] repeatedly to select "D-IN MODE" or "AUX MODE".

3 Press [▲, ▼] to select the mode and then press [OK].

MODE 1 (default)	Select this mode to use the Karaoke effect function.
MODE 2	Select this mode when watching TV, movies or using an external player with Karaoke features.

Others

Auto off

This system automatically switches off when you do not use it for approximately 20 minutes.

1 Press [SETUP] repeatedly to select "AUTO OFF".

2 Press [▲, ▼] to select "ON" and then press [OK].
To cancel, select "OFF".

Note:
This function does not work when you are in radio source or when a Bluetooth® device is connected.

Bluetooth® standby

This function automatically switches on the system when you establish a Bluetooth® connection from a paired device.

1 Press [SETUP] repeatedly to select "BLUETOOTH STANDBY".

2 Press [▲, ▼] to select "ON" and then press [OK].
To cancel, select "OFF".

Note:
Some devices may take longer to respond. If you are connected to a Bluetooth® device before switching off the system, wait for a minimum of 5 seconds before connecting to this system from your Bluetooth® device again.

Software update

Occasionally, Panasonic may release updated software for this unit that may add or improve the way a feature operates. These updates are available free of charge. For more details, refer to the following website.
http://panasonic.jp/support/global/cs/
(This site is in English only.)

Checking the software version

1 Press [SETUP] repeatedly to select "SW VER." and then press [OK].
The software version is shown.

2 Press [OK] again to exit.