

### About Bluetooth®

Panasonic bears no responsibility for data and/or information that is 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 in some countries:  
– 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 the 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 the 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.  
Android and Google Play are trademarks of Google LLC.

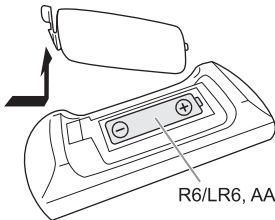
### Supplied accessories

Check and identify the supplied accessories.

- For India  
**1 AC mains lead**
- For others  
**4 AC mains leads**
- For Saudi Arabia
- 1 Ferrite core
- 1 FM indoor antenna
- 1 Remote control (N2QAYB001215)
- 1 Remote control battery

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

### Preparing the remote control

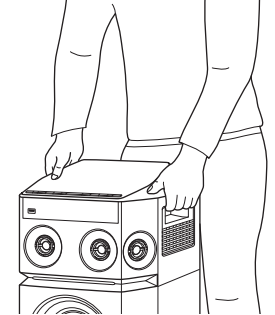


Use alkaline or manganese battery.

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

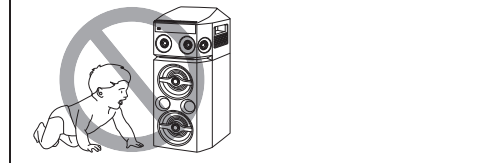
### Transporting the unit

**Preparation**  
Disconnect all connected devices and cables from the unit.



**Note:**  
• Keep the unit at least 10 mm away from other objects for proper ventilation.  
• 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!**  
• Improper handling or transportation manner may cause the unit to fall, etc., resulting in damage and/or personal injury.  
• Do not touch the speaker cone's reverberating surfaces:  
– This may damage the speaker cone.  
– The speaker cone may be hot.  
• Do not put the unit on a table or any elevated surface.  
• Do not allow children to climb on the unit.  
• Be careful when babies or children are near.



### 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 then 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 [M] 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.

#### USB

**The USB device or the contents 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-UA30" 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").

### 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 [SELECT] repeatedly on the unit to select "AUX".

#### To set the code to "REMOTE 2"

- Press and hold [SELECT] on the unit and [←] until "REMOTE 2" is shown.
- Press and hold [OK] and [←] for a minimum of 4 seconds.

#### To set the code to "REMOTE 1"

- Press and hold [SELECT] on the unit and [→] on the remote control until "REMOTE 1" is shown.
- Press and hold [OK] and [→] on the remote control for a minimum of 4 seconds.

#### 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.  
• 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

"--:"  
• You connected the AC mains lead for the first time or there was a power failure recently. Set the clock.  
• 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.

"F□□" / "F□□□" ("□" represents a number.)  
• The protection circuit has been activated and the system may be switched off automatically.  
• Disconnect the AC mains lead and wait for a few seconds before connecting it again. If the problem persists, disconnect the AC mains lead and consult your dealer.

"NO PLAY"  
"UNSUPPORT"  
• There is no album or track in the USB device.  
• Examine the content. You can only play supported format.  
• 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".

"PLAYERERROR"  
• 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 [←] 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 drawing too much power. Disconnect the USB device, switch off the system and then switch on again.  
• Check the connection, it may be caused by a faulty USB cable.

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

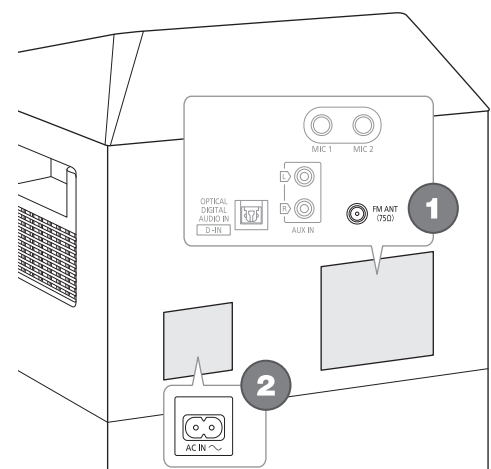
### System memory reset

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.

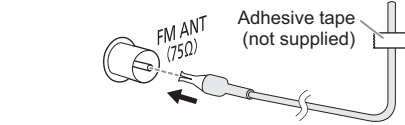
- Disconnect the AC mains lead.
- While you press and hold [⏏] on the unit, connect the AC mains lead again. Continue to press and hold the button until "-----" is shown.
- Release [⏏]. All the settings are set back to the factory preset. It is necessary to set the memory items again.

### Making the connections

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

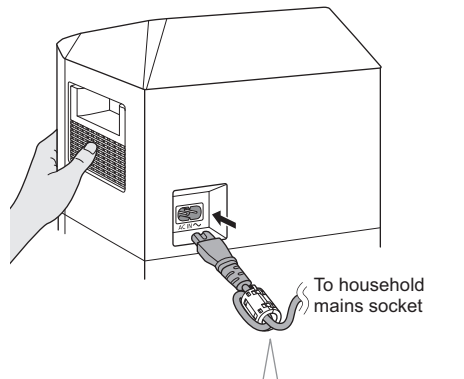


**1 Connect the FM indoor antenna.**  
Put the antenna where reception is best.



**2 Connect the AC mains lead.**

Do not use any other AC mains leads except the supplied one.  
Hold the unit when connecting or disconnecting the AC mains lead to prevent the unit from falling.



**Attaching the ferrite core near to the terminal**

- Pull on the tabs (both sides) to open.
- Put the AC mains lead onto one of the concave surfaces.
- Coil the AC mains lead around the ferrite core and onto the other concave surface.
- Close the ferrite core until it clicks.

**Note:**  
Failure to attach the ferrite core to the AC mains lead may cause interference to other devices nearby.

**CAUTION!**  
Keep the ferrite core out of reach of children to prevent swallowing.

**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.

For Australia

## Panasonic Warranty

- Subject to the conditions of this warranty Panasonic or its Authorised Service Centre will perform necessary service on the product, without charge for parts or labour, if in the opinion of Panasonic the product is found to have a manufacturing defect within one (1) year or (12 months) (the "warranty period") from the date of purchase appearing on your purchase receipt.
- This warranty only applies to Panasonic products purchased in Australia and sold by Panasonic Australia, it's Authorised Distributors, or Dealers, and only where the products are used and serviced within Australia or its territories. Warranty cover only applies to the services that are carried out by a Panasonic Authorised Service Centre and only if valid proof of purchase is presented when the warranty service is requested.
- This warranty only applies if the product has been installed and/or used in accordance with the manufacturer's recommendations (as noted in the operating instructions) under normal use and reasonable care (in the opinion of Panasonic). The warranty does not cover damage, malfunction or failure resulting from use of incorrect voltages, incorrect installation, accident, misuse, neglect, build-up of dirt or dust, abuse, maladjustment of customer controls, mains supply problems, thunderstorm activity, infestation by insects or vermin, tampering or repair by unauthorised persons (including unauthorised alterations), exposure to abnormally corrosive conditions, or any foreign object or matter having entered the product.
- This warranty does not cover the following items unless the fault or defect existed at the time of purchase:
  - Consumable parts
  - Cosmetic parts
  - Worn or damaged parts
  - Information stored on Hard Disk Drives, Optical Discs, USB Devices, SD Cards, Tapes
  - DTV reception issues caused by TV Aerial / Cabling / Wall socket(s)
- Some products may be supplied with Ethernet connection hardware. The warranty is limited on such products and will not cover:
  - Internet and or DLNA connection / setup related problems
  - Access fees and or charges incurred for internet connection
  - Incompatible software or software not specifically stipulated in the product operations manual; and
  - Any indirect or consequential costs associated with the incorrect use or misuse of the hardware, its connection to the internet or any other device.
- To claim warranty service, when required, you should:
  - Contact Panasonic's Customer Care Centre on 132 600 for Service Centre information.
  - Confirm the opening and acceptance times with the Authorised Service Centre that you choose.
  - Then send or take the product to a Panasonic Authorised Service Centre together with your proof of purchase receipt.
  - Any freight and insurance costs associated with the transport of the product to and/or from your nearest Authorised Service Centre must be arranged and paid for by you.
- The warranties hereby conferred do not extend to, and exclude, any costs associated with the installation, de-installation or re-installation of a product, including costs related to the mounting, de-mounting or remounting of any screen, (and any other ancillary activities), delivery, handling, freighting, transportation or insurance of the product or any part thereof or replacement of and do not extend to, and exclude, any damage or loss occurring by reason of, during, associated with, or related to such installation, de-installation, re-installation or transit.

Panasonic Authorised Service Centres are located in major metropolitan areas and most regional centres of Australia, however, coverage will vary dependant on product. For advice on exact Authorised Service Centre locations for your product, please telephone our Customer Care Centre on 132 600 or visit our website and use the Service Centre Locator.

In addition to your rights under this warranty, Panasonic products come with consumer guarantees that cannot be excluded under the Australian Consumer Law. If there is a major failure with the product, you can reject the product and elect to have a refund or to have the product replaced or if you wish you may elect to keep the goods and be compensated for the drop in value of the goods. You are also entitled to have the product repaired or replaced if the product fails to be of acceptable quality and the failure does not amount to a major failure.

If there is a major failure in regard to the product which cannot be remedied then you must notify us within a reasonable period by contacting the Panasonic Customer Care Centre. If the failure in the product is not a major failure then Panasonic may choose to repair or replace the product and will do so in a reasonable period of time from receiving notice from you.

**THIS WARRANTY CARD AND THE PURCHASE DOCKET (OR SIMILAR PROOF OF PURCHASE) SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES**

If you require assistance regarding warranty conditions or any other enquiries, please visit the Panasonic Australia website [www.panasonic.com.au](http://www.panasonic.com.au) or contact by phone on 132 600  
If phoning in, please ensure you have your operating instructions available.

**Panasonic Australia Pty. Limited**  
ACN 001 592 187 ABN 83 001 592 187  
1 Innovation Road, Macquarie Park NSW 2113  
[www.panasonic.com.au](http://www.panasonic.com.au)

Thank you for purchasing this product.  
For optimum performance and safety, please read these instructions carefully.  
Please keep this manual for future reference.

Panasonic Corporation  
Web Site: <http://www.panasonic.com>

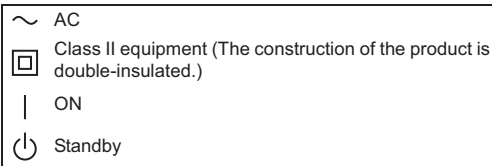
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TQB2159

L0918LC0

Your system and the illustrations can look differently.  
The symbols on this product (including the accessories) represent the following:



**For Australia and New Zealand**  
**Disposal of Old Equipment and Batteries Only for European Union and countries with recycle systems**  
These symbols are only valid in the European Union and countries with recycle systems.  
If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

**For India**  
The specifications are exempted for any licensing requirement by Ministry of Communications and Information Technology, G.S.R. 45 (E), dated 28th January, 2005.

**For Thailand**  
This telecommunication equipment conforms to NTC/NBTC technical requirement.

### Maintenance

**Disconnect the AC mains lead before maintenance. Clean this system 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 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.
- 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.

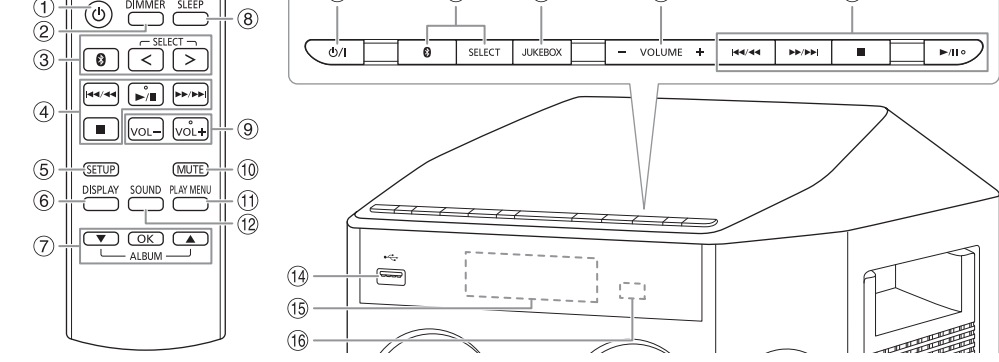
##### Battery

- 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.



## Overview of controls

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



- Standby/on switch**  [  ],  [ / ] Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
- Decrease the brightness of the display panel** The illumination is also switched off. To cancel, press the button again.
- Select the audio source** Press [SELECT <, >] (unit: [SELECT]) repeatedly to select the source:
 

USB → FM → D-IN

BLUETOOTH ↔ AUX

 On the unit: To start Bluetooth® pairing, press and hold [].
- Basic playback control
- View the setup menu
- View the content information
- Select or confirm the option
- Set the sleep timer
- Adjust the volume level
- 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.
- View the play menu
- Select the sound effects
- Select the jukebox
- USB port (↔)
- Display panel
- Remote control sensor** Distance: Within approximately 7 m Angle: Approximately 20° up and down, 30° left and right

## Preparing media

### USB

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

- Decrease the volume and connect the USB device to the USB port.**
- Press [SELECT <, >] repeatedly to select "USB".

- Note:**
- Do not use a USB extension cable. The system cannot recognise USB device connected through a cable.
  - Some devices cannot be charged as the maximum USB charging current is 0.5 A only.

#### Bluetooth®

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

**Preparation**

- Switch on the unit.
- 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").

- Press []. If "PAIRING" is shown, continue with step 3.
- Press [PLAY MENU] to select "PAIRING" and then press [OK].
- Select "SC-UA30" 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 MAC address (example: 6C:5A:B5:B3:1D:0F) may be shown before "SC-UA30" is shown. The name of the connected device is shown for a few seconds.

*Using the unit*

- Press and hold [] until "PAIRING" is shown.
- Select "SC-UA30" from the Bluetooth® menu of the device.

- 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.
  - Depending on the searching functionality of the Bluetooth® device and the surrounding environment, if the product name is not shown on the Bluetooth® menu of the device, switch off and then switch on the Bluetooth® feature of the device repeatedly during the pairing process.

#### Connecting a device

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

- Press []. "BLUETOOTH READY" is shown.
- Select "SC-UA30" from the Bluetooth® menu of the device. The name of the connected device is shown for a few seconds.
- Start playback on the device.

- Note:**
- A device must be paired to connect.
  - This system can only connect to one device at a time.
  - When "BLUETOOTH" is selected as the source, this system will automatically try to connect to the last connected device. ("LINKING" is shown during this process.)

### Play menu

#### USB

- Press [PLAY MENU] repeatedly to select "PLAYMODE".
- Press [▲, ▼] to select the setting and then press [OK].

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

**Note:**

- During random playback, you cannot skip to tracks which have been played.
- The setting is cancelled when you 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").

- Press [PLAY MENU] repeatedly to select "LINK MODE".
- 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 synchronised. In this case, select "MODE 1".
  - Select "MODE 1" if the sound is interrupted.

**Using the unit**

Press and hold [] until "PAIRING" is shown.

- Note:**
- A device is disconnected when you:
    - Select a different source.
    - Move the device out of the maximum range.
    - Disable the Bluetooth® transmission of the device.
    - Switch off the system or the device.

## Radio

**Preparation**  
Press [SELECT <, >] repeatedly to select "FM".

## Manual tuning

- Press [PLAY MENU] repeatedly to select "TUNE MODE". Or press [] on the unit to select "MANUAL". Continue with step 3.
- Press [▲, ▼] to select "MANUAL" and then press [OK].
- Press [◀◀◀◀] or [▶▶▶▶] to tune in to the station. To tune automatically, press and hold the button until the frequency starts changing quickly.

## Memory presetting

- Automatic presetting**

- Press [PLAY MENU] to select "A.PRESET".
  - 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

- Press [PLAY MENU] repeatedly to select "TUNE MODE". Or press [] on the unit to select "MANUAL". Continue with step 3.
- Press [▲, ▼] to select "MANUAL" and then press [OK].
- Press [◀◀◀◀] or [▶▶▶▶] to tune in to the station.
- Press [OK].
- 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

- Press [PLAY MENU] repeatedly to select "TUNE MODE". Or press [] on the unit to select "PRESET". Continue with step 3.
- Press [▲, ▼] to select "PRESET" and then press [OK].
- Press [◀◀◀◀] or [▶▶▶▶] to select the preset station.

#### 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 USB device

- This system can access up to:
  - 800 albums (including root folder)
  - 8000 tracks
  - 999 tracks in one album

## Sound effects

**Preset EQ**

- Press [SOUND] to select "PRESET EQ".
- Press [▲, ▼] to select the setting and then press [OK]. Preset EQ setting: "ROCK", "POP", "AFRO BEAT", "ARABIC", "PERSIAN", "INDIA BASS", "DANGDUT", "MALAY POP", "ELECTRONICA", "REGGAETON", "SALSA", "SAMBA", "KARAOKE" or "FLAT".

#### Manual EQ

- Press [SOUND] repeatedly to select "MANUAL EQ".
- Press [▲, ▼] to select the sound effect.
- Press [◀◀◀◀] or [▶▶▶▶] to select the setting and then press [OK].

BASS/MID/TREBLE	−4 to +4
<b>Note:</b>	These settings can change when you select a PRESET EQ setting.

#### D.Bass

- 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".
- Press [◀◀◀◀] or [▶▶▶▶] on the remote control to select the setting and then press [OK].

<b>Note:</b>	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.
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## Illumination

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

- Press [SETUP] repeatedly to select "ILLUMINATION".
- Press [▲, ▼] to select "ON" and then press [OK]. To cancel, select "OFF".

**Note:**  
When the dimmer function is switched on, the illumination on the system will remain off even when you switch on the illumination function.

- Press [◀◀◀◀] or [▶▶▶▶] to select the setting and then press [OK].

## Jukebox

#### USB

You can use the jukebox function to add cross-fade effect between songs.

**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/ (This site is in English only.)

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

- Note:**
- The system switches 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.

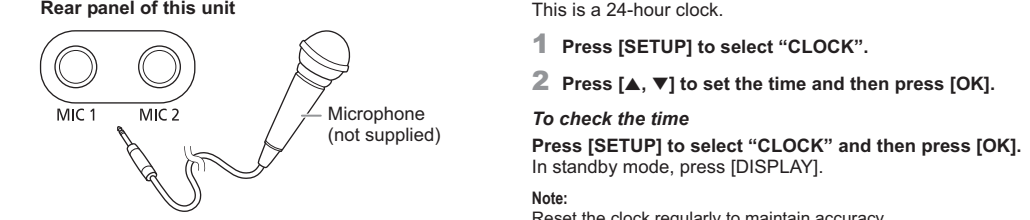
### Changing the repeat setting

- Press [PLAY MENU] repeatedly to select "PLAYMODE".
- Press [▲, ▼] to select the setting and then press [OK].

RANDOM REPEAT	Repeat random playback.
RND	<span><span><span></span></span></span>
ALL TITLE REPEAT	Repeat all tracks.
<span><span><span></span></span></span>	<span><span><span></span></span></span>

## Using a microphone

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



- Connect a microphone (not supplied) to the microphone jack. Plug type: Ø 6.3 mm monaural
- Press [SOUND] repeatedly to select "MIC VOL".

- Press [▲, ▼] to adjust the volume of the microphone and then press [OK].
- If you want to sing with the background music, 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.

## Karaoke

**Preparation**  
Select the music source.

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

### Karaoke effect

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

- Press [SOUND] repeatedly to select "KARAOKE EFFECT".
- Press [▲, ▼] to select the effect.

VOCAL CANCEL	Reduce the vocal level or change the audio mode (depending on the source).
ECHO	Add an echo effect to the sound.
KEY CONTROL	Change the key of a song. <b>Note:</b> The setting is cancelled when you change to another source.
TEMPO	<b>USB</b> Change the speed of a song.
BGM	Change the background music level.
MIC EQ	Select a MIC EQ mode.
OFF	Cancel the effect. Press [OK] to confirm.

To check the current setting, press [OK].

- Press [◀◀◀◀] or [▶▶▶▶] to select the setting and then press [OK].

VOCAL CANCEL	"OFF", 1 to 3, "L", "R", "L+R" <p><i>When using stereo source not formatted for Karaoke</i> It is recommended to use "2 VOCAL CANCEL" for most songs.</p> <p><i>When using Karaoke formatted source</i> L: Only left channel sound (accompaniment only) R: Only right channel sound (vocals only) L+R: Left and right channel sounds are mixed</p>
ECHO	"OFF", 1 to 4
KEY CONTROL	−6 to +6
TEMPO	"OFF", −2 to +2
BGM	"OFF", 1 to 3
MIC EQ	"SINGING" or "SPEECH"

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

## Clock and timers

### Setting the clock

This is a 24-hour clock.

- Press [SETUP] to select "CLOCK".
  - Press [▲, ▼] to set the time and then press [OK].
- To check the time*  
Press [SETUP] 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.

Press [SLEEP] to select the setting (in minutes). To cancel, select "OFF".

SLEEP 30 → SLEEP 60 → SLEEP 90 → SLEEP120
← OFF →

*To check the remaining time*  
Press [SLEEP].

- 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®, D-IN and AUX source)

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

**Preparation**  
Set the clock.

- Press [SETUP] repeatedly to select "TIMER ADJ".
- Press [▲, ▼] to set the start time and then press [OK].
- Do step 2 again to set the end time.
- Press [▲, ▼] to select the source you want to play and then press [OK].

*To start the timer*

- Prepare the source you want to listen to (USB or radio) and set the volume.
- Press [SETUP] repeatedly to select "TIMER SET".
- Press [▲, ▼] to select "PLAY ON" and then press [OK]. "O" 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

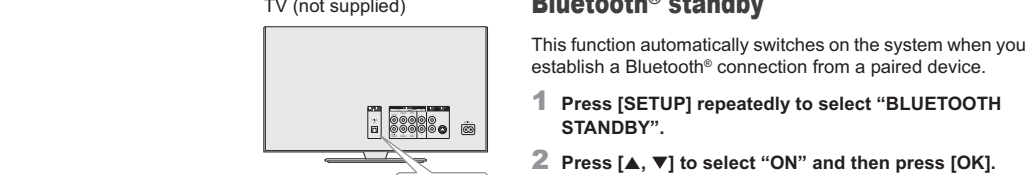
#### Preparation

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

- Note:**
- Do not bend cables at sharp angles.
  - Components and cables are sold separately.
  - Sound distortion can occur when you use an adaptor.
  - 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.



- Connect the external equipment.
- Press [SELECT <, >] repeatedly to select "D-IN".
- Play the external equipment.

**Note:**

- This system supports linear PCM signals.
- Multi-channel source will be converted to 2 channels.
- 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.

### Software update

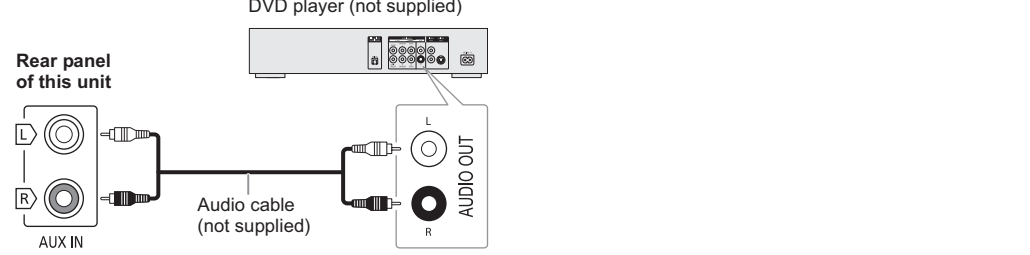
Occasionally, Panasonic may release updated software for this unit that may add or improve the way a feature operates. These updates are available free of charge. For more details, refer to the following website.
http://panasonic.jp/support/global/cs/ (This site is in English only.)

#### Checking the software version

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

### Using the auxiliary input

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



- Connect the external equipment.
- Press [SELECT <, >] repeatedly to select "AUX".
- Play the external equipment.

### D-IN mode and AUX mode

- Press [SELECT <, >] repeatedly to select "D-IN" or "AUX".
- Press [PLAY MENU] to select "D-IN MODE" or "AUX MODE".
- 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.

## Specifications

<b>General</b>		
<b>Power supply</b>	AC 220 V to 240 V, 50/60 Hz	
<b>Power consumption</b>	51 W	
<b>Power consumption in standby mode (approximate)</b>	0.5 W	
With "BLUETOOTH STANDBY" set to "OFF"	0.6 W	
With "BLUETOOTH STANDBY" set to "ON"	0.6 W	
<b>Dimensions (W x H x D)</b>	265 mm x 606 mm x 27	