

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

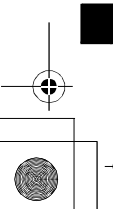
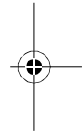
# Panasonic®

## Operating Instructions CD Stereo System

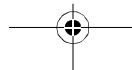
Model No. **SC-MAX670**

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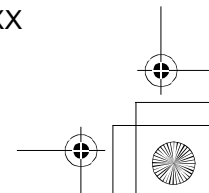
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**Do the procedures with the remote control. You can also use the buttons on the main unit if they are the same.**

Your system and the illustrations can look differently.

These operating instructions are applicable to the following system.

<b>System</b>	SC-MAX670
<b>Main unit</b>	SA-MAX670
<b>Speakers</b>	SB-MAX670

## IMPORTANT SAFETY INSTRUCTIONS

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

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.

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- 12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

### 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.
- Decrease the volume of the system before you connect or disconnect an external audio device.

### CAUTION!

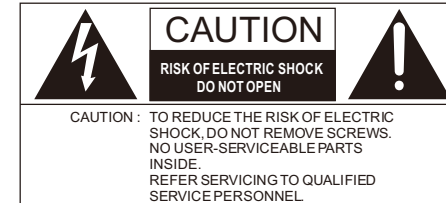
#### Unit

- To reduce the risk of fire, electric shock or product damage,
  - Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure this unit is well ventilated.
  - Do not obstruct this unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.
  - Do not place sources of naked flames, such as lighted candles, on this unit.
- Set this unit up on an even surface away from direct sunlight, high temperatures, high humidity, and excessive vibration.
- This unit is intended for use in moderate climates.

- The mains plug is the disconnecting device. Install this unit so that the mains plug can be unplugged from the socket outlet immediately.
- This unit may receive radio interference caused by mobile telephones during use. If such interference occurs, please increase separation between this unit and the mobile telephone.
- This unit utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

#### Battery

- Danger of explosion if battery is incorrectly replaced. Replace only with the type recommended by the manufacturer.
- When disposing the batteries, please contact your local authorities or dealer and ask for the correct method of disposal.
- 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.



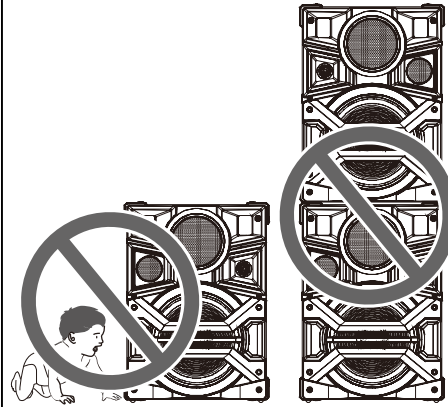
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

### CAUTION!

- 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.
- Be careful when babies or children are near.
- Do not stack the speakers.



Conforms to UL STD 60065.

### Supplied accessories

Check and identify the supplied accessories.

- 1 x AC power supply cord
- 1 x AM loop antenna
- 1 x FM indoor antenna



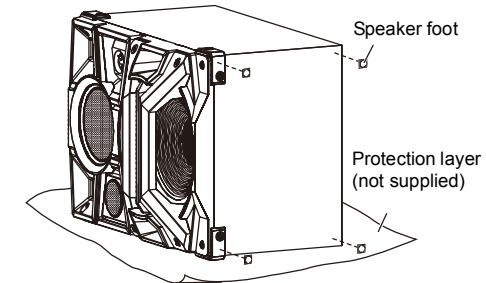
- 8 x Speaker foot
- 1 x Remote control battery
- 1 x Remote control (N2QAYB000XXX)

### Attaching the speaker feet

For stability and to prevent damage to the floor, attach the speaker feet to the bottom of the speakers.

#### Preparation

Put a protection layer below the speakers to prevent scratches.



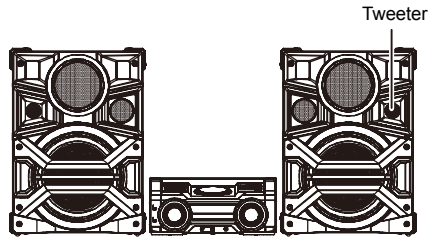
#### CAUTION!

Keep the speaker feet out of reach of children to prevent swallowing.

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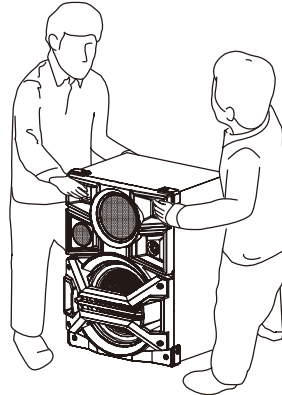
## Placement of speakers



Put the speakers so that the tweeter is on the outside.  
**Use only the supplied speakers.**  
You can cause damage to the system and decrease the sound quality if you use other speakers.

### Note:

- More than one person is required to move, tilt or carry the speaker.



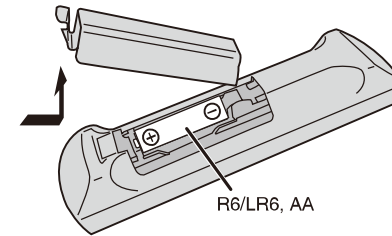
- Keep your speakers more than 10 cm from the main unit for ventilation.
- Put the speakers on a flat safe surface.
- These speakers do not have magnetic shielding. Do not put them near TVs, PCs or other equipment easily influenced by magnetism.
- When you play at high levels for a long period, it can cause damage to the 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.

## 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.

## Preparing the remote control



Use alkaline or manganese battery.

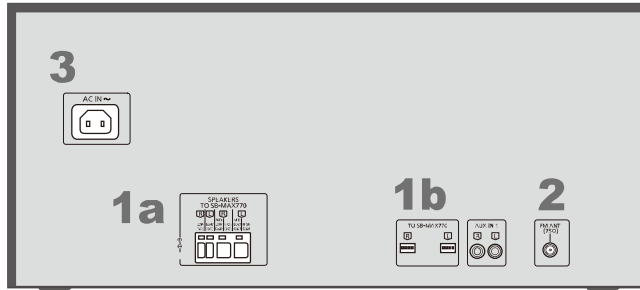
Install the battery so that the poles (+ and -) align with those in the remote control.

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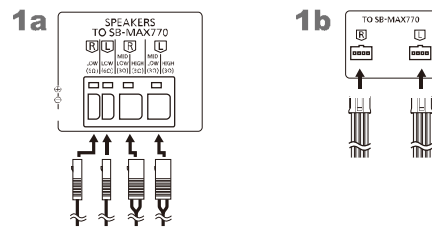
## Making the connections

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



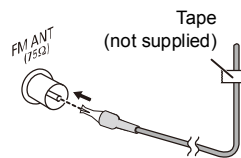
### 1 Connect the speakers.

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

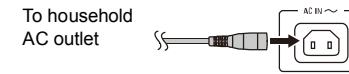


### 2 Connect the FM indoor antenna.

Put the antenna where reception is best.



### 3 Connect the AC power supply cord.



Do not use any other AC power supply cord except the supplied one.

### Conserving power

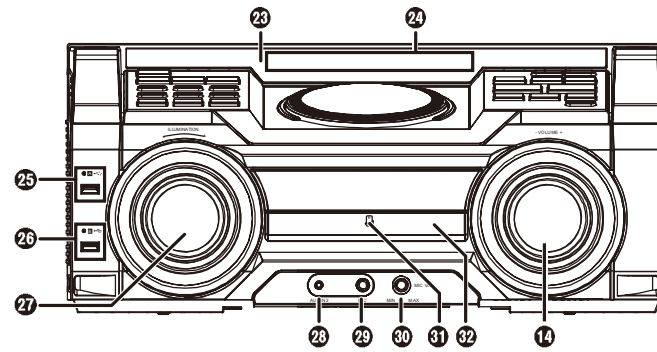
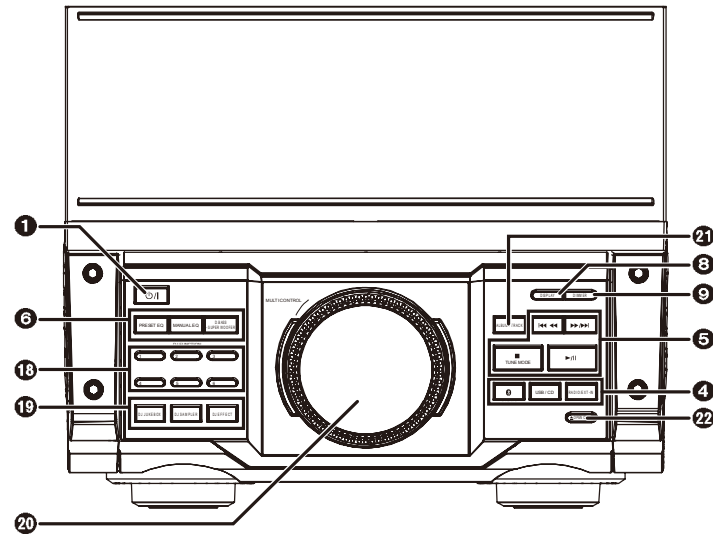
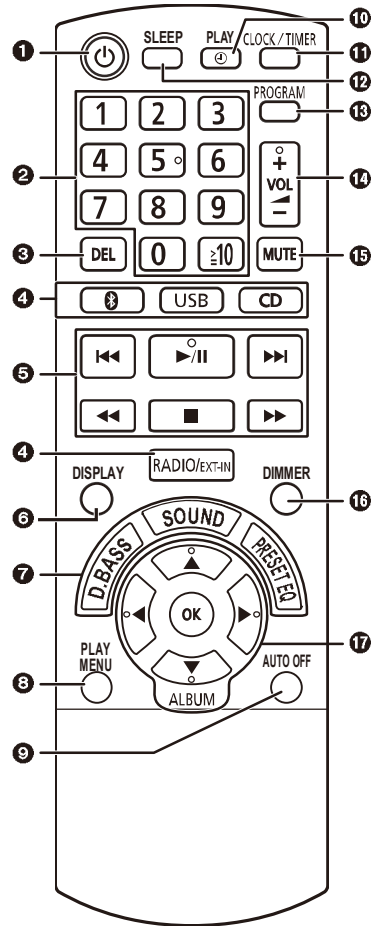
The system consumes approximately 0.3 W when it is in standby mode. Disconnect the power supply if you do not use the system.

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

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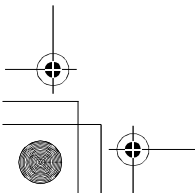
## Overview of controls

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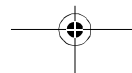




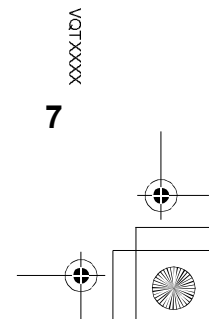
- ❶ **Standby/on switch** [⏻], [⏪/I]  
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
- ❷ **Alphanumeric buttons**  
To select a 2-digit number  
Example: 16: [≧10]→[1]→[6]  
To set a character  
Example: B: [2]→[2]
- ❸ **Delete a programmed track**  
Delete a selected track in a playlist
- ❹ **Select audio source**
- ❺ **Basic playback control**
- ❻ **View content information**
- ❼ **Select the sound effects**
- ❽ **Set the play menu item**
- ❾ **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 the button to select "ON".  
To cancel, select "OFF".
- ❿ **Set the play timer**
- ⓫ **Set the clock and timer**
- ⓬ **Set the sleep timer**



- Ⓜ **Set the program function**
- Ⓝ **Adjust the volume of the system**
- Ⓞ **Mute the sound of the system**  
To cancel, press the button again.  
"MUTE" is also canceled when you adjust the volume or when you switch off the system.
- Ⓟ **Decrease the brightness of the display panel and DJ function buttons**  
Press the button to use this function.  
To cancel, press and hold the button again.
- Ⓠ **Select and enter buttons**
- Ⓡ **Internal memory playlist direct buttons**  
Press and hold to add a track to the corresponding playlist.  
Press to select the playlist.  
**DJ function direct buttons**  
Press [DJ JUKEBOX], [DJ SAMPLER] or [DJ EFFECT] to switch on the DJ function.  
Press [1] to [6] on main unit to select the desired function.  
To cancel, press the selected [1] to [6] again.
- Ⓢ **Switch on the DJ function**  
To cancel, press the button again.
- Ⓣ **Turntable for DJ and multi control**
- Ⓤ **Browse playlist of the internal memory**  
**Browse tracks or albums**  
**CD**  
Turn [MULTI CONTROL] to browse the track.  
Press [▶/||] to start playback from the selection.  
**MP3**  
Press [ALBUM/TRACK] to select album or track and then turn [MULTI CONTROL] to browse.  
Press [▶/||] to start playback from the selection.



- Ⓥ **Open or close the disc tray**
- Ⓦ **Remote control sensor**  
Distance: Within approximately 7 m  
Angle: Approximately 20° up and down, 30° left and right
- Ⓧ **Display panel**
- Ⓨ **USB A**  
USB port (←→)  
USB status indicator
- Ⓩ **USB B**  
USB port (←→)  
USB status indicator
- ⓐ **Select the illumination effect**
- ⓑ **Auxiliary input 2 jack**
- ⓓ **Microphone jack**
- ⓔ **Adjust the volume of the microphone**
- ⓕ **NFC touch area**
- ⓖ **Disc tray**



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## Disc

### Playing disc

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

Put in a disc with the label facing up.  
Press [**▲** OPEN/CLOSE] again to close the disc tray.

**2** Press [CD] and then press [**▶/||**] to start playback.

• **Stop playback**

Press [**■**].

• **Pause playback**

Press [**▶/||**].

Press again to continue playback.

• **Skip album** (MP3)

Press [**▲**, **▼**].

• **Skip track**

Press [**◀◀**] or [**▶▶**].

(main unit: [**◀◀/◀◀**] or [**▶▶/▶▶**]).

• **Search through track**

Press and hold [**◀◀**] or [**▶▶**].

(main unit: [**◀◀/◀◀**] or [**▶▶/▶▶**]).

### Viewing available information

You can view the available information on the display panel.

Press [DISPLAY].

**Note:**

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

### Play menu

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

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

#### PLAYMODE

• **OFF PLAYMODE**

Play all tracks.

• **1-TRACK**

Play one selected track on the disc.

Press the alphanumeric buttons to select the track.

• **1-ALBUM** (MP3)

Play one selected album on the disc.

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

• **RANDOM**

Play a disc randomly.

• **1-ALBUM RANDOM** (MP3)


Play all tracks in one selected album randomly.

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

#### REPEAT

• **ON REPEAT**

Repeat playback.

"" appears.

• **OFF REPEAT**

Cancel repeat playback.

#### JUKEBOX

• **OFF JUKEBOX**

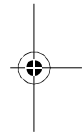
Enable the DJ jukebox function

• **ON JUKEBOX**

Disable the DJ jukebox function

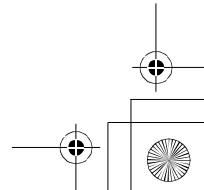
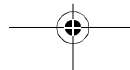
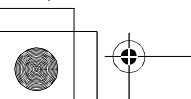
**Note:**

The setting returns to the default "OFF PLAYMODE" when you open the disc tray.



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## Program playback

This function allows you to program up to 24 tracks.

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

- 2  **Press the alphanumeric buttons to select the desired track.**

Do this step again to program other tracks.



- 1 Press **[▲, ▼]** to select the desired album.
- 2 Press **[▶▶]** and then press the alphanumeric buttons to select the desired track.
- 3 Press **[OK]**.

Do these steps again to program other tracks.

- 3 Press **[▶/||]** to start playback.

- **Cancel program mode**

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

- **Check program contents**

Press **[◀◀]** or **[▶▶]** when "PGM" is shown in the stop mode.

- **Clear the last track**

Press **[DEL]** in the stop mode.

- **Clear all programmed tracks**

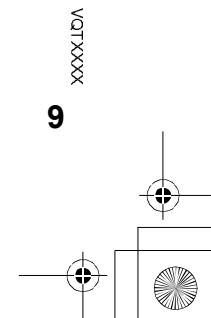
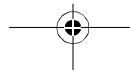
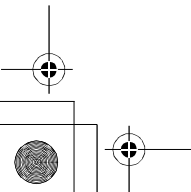
Press **[■]** in the stop mode.  
"CLR ALL" is shown.  
Within 5 seconds, press **[■]** again.

### Note:

- You cannot use program playback together with "PLAYMODE" function.
- The program memory is cleared when you open the disc tray.

### Note on disc

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



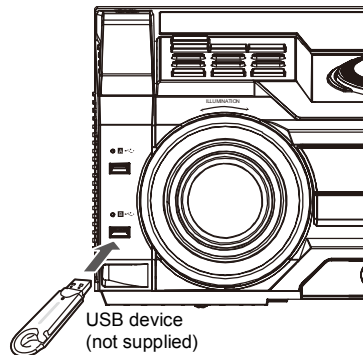
## USB

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

### Connecting a USB device

#### Preparation

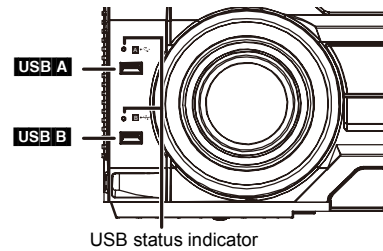
Before you connect a USB device to the system, make sure you do a backup of the data.  
Do not use a USB extension cable. The system cannot recognize USB device connected through a cable.



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

Hold the main unit when connecting or disconnecting the USB device.

### USB at a glance



- **USB A** **USB B**  
Play MP3 tracks.

**Note:**  
USB status indicator lights up when selected.

- 4 Press [**MEMORY REC** ●/||] to start recording.

### Playback

- 1 Press [**USB**] to select "USB A" or "USB B".
- 2 Press [**▶/||**] to start playback.

#### • Stop playback

Press [■]. "RESUME" is shown.  
Press [**▶/||**] to continue playback.  
OR  
Press [■] two times to stop the playback fully.

**For other operations, refer to "Disc".**

### Viewing available information

You can view the available information on the display panel.

Press [**DISPLAY**].



## Radio

### Manual tuning

- 1 Press [RADIO/EXT-IN] to select "FM".
- 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.  
"STEREO" is shown when a stereo broadcast is being received.

#### Using the main unit

- 1 Press [RADIO/EXT-IN] to select "FM".
- 2 Press [TUNE MODE] to select "MANUAL".
- 3 Press [◀◀/◀◀] or [▶▶/▶▶] to select the frequency of the required station.



### Improving the sound quality

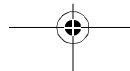
- 1 Press [PLAY MENU] to select "FM MODE".
- 2 Press [◀, ▶] to select "MONO" and then press [OK].  
To cancel, select "STEREO".  
"MONO" is also canceled when you change the frequency.

### Memory presetting

30 FM stations can be preset.

#### Automatic presetting

- 1 Press [OK] to select "LOWEST" or "CURRENT" frequency.
- 2 Press [PLAY MENU] to select "A.PRESET" and then press [OK].  
"START?" is shown.
- 3 Press [OK] to start presetting.  
To cancel, press [■].



### Manual presetting

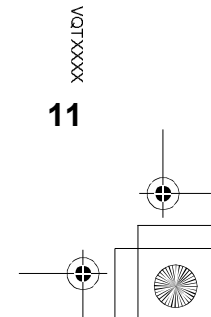
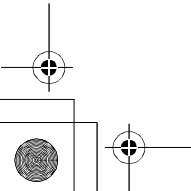
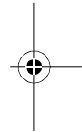
- 1 Press [◀◀] or [▶▶] to tune in to the station.
- 2 Press [PROGRAM].
- 3 Press the alphanumeric buttons to select a preset number.  
Do steps 1 through 3 again to preset more stations.  
The new station replaces any station that occupies the same preset number.

#### Selecting a preset station

Press the alphanumeric buttons, [◀◀] or [▶▶] to select the preset station.

#### Using the main unit

- 1 Press [TUNE MODE] to select "PRESET".
- 2 Press [◀◀/◀◀] or [▶▶/▶▶] to select the preset station.



## Bluetooth®

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

- Refer to the operating instructions of the Bluetooth® device for details.
- If you intend to use an NFC (Near Field Communication)-compatible Bluetooth® device, proceed to "One-Touch Connection (Connecting by NFC)".

### Pairing a device

#### Preparation

- Turn on the Bluetooth® feature of the device and place the device near this unit.

- 1 Press and hold [  -PAIRING ] on main unit.

BLUETOOTH PAIRING




- 2 Select "SC-MAX670" from the Bluetooth® menu of the device.

The device connects with this system automatically after pairing is complete.

- 3 Start playback on the Bluetooth® device.

For other operations on main unit, refer to "Playing disc".

#### Note:

- You can also operate with the remote control.
  - 1 Press [  ] to select "BLUETOOTH".
  - 2 Press [PLAY MENU] to select "PAIRING".
  - 3 Press [  ,  ] to select "OK? YES" and then press [OK].
  - 4 Select "SC-MAX670" from the Bluetooth® menu of the device.
- If prompted for a passkey, input "0000".
- A device must be paired to connect.
- You can register up to 8 devices with this unit. If a 9th device is paired, the device that has not been used for the longest time will be replaced.
- This system can only connect to one device at a time.
- When "BLUETOOTH" is selected as the source, this system will automatically try and connect to the last connected device.

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## One-Touch Connection (Connecting by NFC)

### For NFC-compatible Android™ devices only

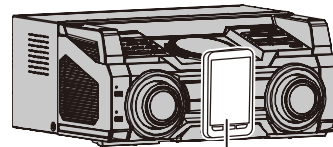
Simply by touching an NFC (Near Field Communication)-compatible Bluetooth® device by the unit, you can complete all preparations, from registering a Bluetooth® device to establishing a connection.

- Android™ device version less than 4.1 requires the installation app "Panasonic MAX Juke" (Free of charge). Download the app "Panasonic MAX Juke" to your Bluetooth® device. Enter "Panasonic MAX Juke" in the search box of Google Play™ to search, and then select "Panasonic MAX Juke".

#### Preparation

- Turn on the NFC feature of the device.

- 1 Touch and hold your device on the NFC touch area of this unit [  ].



Bluetooth® device

- Once the registration and connection of the Bluetooth® device is complete, the name of the connected device is indicated on the display for a while. Move the device away from the unit.
- When the connection is not established even if your device has touched the NFC touch area, change its touching position.





- 2 Start playback on the Bluetooth® device.

#### Note:

- If you touch another device to this unit, you can update the Bluetooth® connection. The previously connected device will be disconnected automatically.
- If the image and sound are out of sync during playback, restart the playback app you are using. If the problem persists, connect the Bluetooth® device and this unit with an audio cable (not supplied).
- The One-Touch Connection may not work properly depending on the type of device being used.

### Bluetooth® standby mode

If you enable this function, even when the main unit is turned off, it will turn on automatically when a Bluetooth® device sends a connection request.

- 1 Press [  ] (main unit: [  -PAIRING ]) to select "BLUETOOTH".
- 2 Press [PLAY MENU] to select "STANDBY MODE".
- 3 Press [  ,  ] to select "ON STANDBY MODE" or "OFF STANDBY MODE" and then press [OK].

### Viewing available information

You can view the following information on the display panel:

- Name of the connected device (maximum 16 characters).
- Bluetooth® profile used.

Press [DISPLAY].



## Link mode

You can change the transmission speed to prioritize transmission quality or sound quality.

### Preparation

If this system is connected to a Bluetooth® device, disconnect it (⇒ “Disconnecting a device”).

- 1 Press [PLAY MENU] to select “LINK MODE”.
- 2 Press [◀, ▶] to select “MODE 1” or “MODE 2” and then press [OK].
  - **MODE 1**  
Emphasis on connectivity.
  - **MODE 2**  
Emphasis on sound quality.

### Note:

The default setting is “MODE 2”.



## Disconnecting a device

- 1 Press [PLAY MENU] repeatedly to select “DISCONNECT?”.
- 2 Press [◀, ▶] to select “OK? YES” and then press [OK].

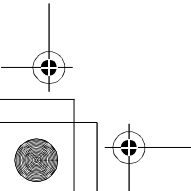
### For NFC-compatible devices only

Touch and hold your device to the NFC touch area of this unit again.

- Once the Bluetooth® device is disconnected, “PAIRING” is indicated on the display. Move the device away from the unit.

### 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.



## Clock and timers

### Setting the clock

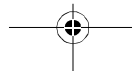
This is a 24-hour clock.

- 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.



## Play timer

### Except for Bluetooth® source

You can set the timer to come on at a certain time to:

- Wake you up

### Preparation

Set the clock.

- 1 Press [CLOCK/TIMER] to select “⌚ PLAY”.
- 2 Within 10 seconds, press [▲, ▼] to set the start time.
- 3 Press [OK].
- 4 Do steps 2 and 3 again to set the end time.
- 5 Press [▲, ▼] to select the source you want to play and then press [OK].

### To start the timer

- 1 Prepare the audio source.

Prepare the music source you want to listen to (disc, USB, internal memory, radio or external equipment) and set the volume.

- 2 Press [PLAY ⌚] to select “⌚ PLAY”.

“⌚ PLAY” is shown.

To cancel, press [PLAY ⌚] again.

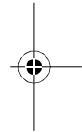
The system must be switched off for the timer to operate.

### To check the settings

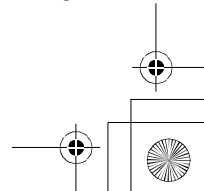
Press [CLOCK/TIMER] to select “⌚ PLAY”.

### Note:

- The play 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.



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## 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 always comes first. Be sure not to set an overlap of timers.

## Sound and illumination effects

**1** Press **[SOUND]** to select the sound effect.

**2** Press **[◀, ▶]** to select the desired setting.

- **BASS/MID/TREBLE**  
-4 to +4
- **SURROUND**  
"ON SURROUND" or "OFF SURROUND"
- **INPUT LEVEL**  
(For AUX IN 2)  
"NORMAL" or "HIGH"  
**Note:**  
Select "NORMAL" if the sound is distorted during "HIGH" input level.
- **SUPERWOOFER**  
"SW1", "SW2", "SW3" or "OFF"
- **D.BASS**  
"ON D.BASS", "AUTO D.BASS" or "OFF D.BASS"

**Preset EQ**

Press **[PRESET EQ]** to select desired preset.

**Using the main unit**

You can adjust certain sound effect using the controls on the main unit.

**1** Press the button to select the sound effect.

- **PRESET EQ**  
Press **[PRESET EQ]**
- **BASS/MID/TREBLE**  
Press **[MANUAL EQ]**
- **D.BASS**  
Press **[D.BASS-SUPER WOOFER]**
- **SUPERWOOFER**  
Press and hold **[D.BASS-SUPER WOOFER]**

**2** Turn **[MULTI CONTROL]** to select the desired setting.

## Illumination effects

**By main unit only**

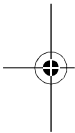
You can change the illumination pattern or color on this system.

Turn **[ILLUMINATION]** to select pattern or color.

- **PATTERN**  
Illuminate with pattern in multiple colors.
- **COLOR**  
Illuminate in one color.
- **OFF**

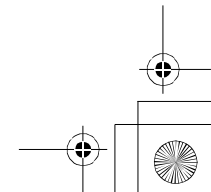
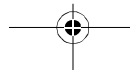
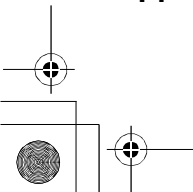
**Note:**

To ensure the illumination effects are shown properly, make sure to arrange the speakers accordingly as in "Placement of speakers".



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## DJ functions

Using these functions, you can add various effects to the track you are playing back.

- By installing the app “Panasonic MAX Juke” (free of charge) on your Android™ device, you can use a wider variety of functions.

Download the app “Panasonic MAX Juke” to your Android™ device. Enter “Panasonic MAX Juke” in the search box of Google Play™ to search, and then select “Panasonic MAX Juke”.

## DJ jukebox

**USB A**, **USB B**

This mode adds an effect to the intervals between the tracks you play back.

- 1 Press **[DJ JUKEBOX]** on main unit.
- 2 Press **[1]** to **[6]** to select the desired function.

- **[1]**  
Crossfade
- **[2] to [6]**  
Sample Sound Mix

The selected button lights up in red.  
To cancel, press the button again.

**To cancel the DJ jukebox**  
Press **[DJ JUKEBOX]**.

- If you use the app “Panasonic MAX Juke”**
- You can call up the tracks you want to play back through the app.



## DJ sampler

**By main unit only**

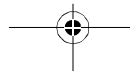
By turning **[MULTI CONTROL]** (Turntable), you can apply a scratch sound or sample sound to the track you are playing back.

- 1 Press **[DJ SAMPLER]**.
- 2 Press **[1]** to **[6]** to select the desired sound.
- 3 Turn **[MULTI CONTROL]**.

**To cancel the DJ sampler**  
Press **[DJ SAMPLER]**.

**If you use the app “Panasonic MAX Juke”**

- You can change the sample sound on the app.  
(To return all sample sounds to the factory preset, press and hold **[DJ SAMPLER]** when the DJ sampler is turned off.)



## DJ effects

**By main unit only**

You can use the DJ effect function to adjust the sound quality.

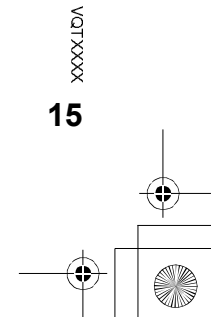
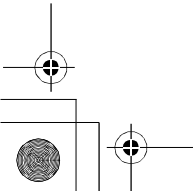
- 1 Press **[DJ EFFECT]**.
- 2 Press **[1]** to **[6]** to select the desired DJ effect.

- **[1]** PHASER  
Add space and dimension to the sound.
- **[2]** FILTER  
Enhance or filter specific ranges of the sound.
- **[3]** SOUND CHOPPER  
Cut off the sound periodically.
- **[4]** ELECTRO ECHO  
Add digital echo to the sound.
- **[5]** PITCH SHIFTER  
Adjust the keys of the sound.
- **[6]** HARMONIZER  
Add notes to the sound to create harmony.

To cancel, press the button again.

- 3 Turn **[MULTI CONTROL]** to select the desired setting.

**To cancel the DJ effect**  
Press **[DJ EFFECT]**.



## Using a microphone

### Preparation

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

#### 1 Connect a microphone (not supplied) to the microphone jack.

Plug type: ∅ 6.5 mm monaural

#### 2 Turn [MIC VOL, MIN/MAX] on the main unit to adjust the volume of the microphone.

#### 3 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 level to "MIN".

## Using the auxiliary input

### Preparation

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

### Note:

Components and cables are sold separately.

### To connect a portable audio equipment etc.

You can play music from a portable audio equipment.

### Preparation

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

#### 1 Connect the portable audio equipment to AUX IN 2.

Plug type: ∅ 3.5 mm stereo (not supplied)

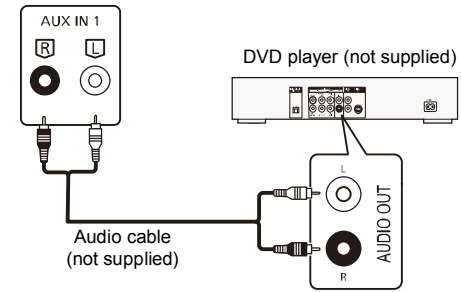
#### 2 Press [RADIO/EXT-IN] to select "AUX 2".

#### 3 Play the portable audio equipment.

### To connect a VCR, DVD player etc.

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

Rear panel of this main unit



#### 1 Connect the external equipment.

#### 2 Press [RADIO/EXT-IN] to select "AUX 1".

#### 3 Play the external equipment.

### Note:

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



## Troubleshooting

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

### Common problems

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

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

#### No operations can be done with the remote control.

- Examine that the battery is installed correctly.

#### Sound is distorted or no sound.

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

#### A humming sound can be heard during playback.

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

#### The sound level reduces.

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

### Disc

#### Display not shown correctly. Playback does not start.

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

#### The total number of tracks displayed is incorrect.

#### The disc cannot be read.

#### Distorted sound is heard.

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

### USB

- **USB A** : Depending on the USB device, power may be supplied to the USB device connected to **USB A** when "USB A" is selected.
- **USB B** : Depending on the USB device, power may be supplied to the USB device connected to **USB B** when "USB A" is selected.

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

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

#### Slow operation of the USB device.

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

### 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.

### Bluetooth®

#### Pairing cannot be done.

- Check the Bluetooth® device condition.

#### 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 pairing the device again.

#### 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-MAX670" 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.

#### The One-Touch Connection (NFC feature) is not working.

- Turn on the NFC feature of the device.

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### Main unit displays

#### “USB A NO DEVICE”

#### “USB B NO DEVICE”

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

#### “ERROR”

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

#### “F61”

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

#### “F70”

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

#### “F77”

- Switch off the system and then switch it on again.

#### “NO PLAY”

#### “UNSUPPORT”

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

#### “NO TRACK”

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

#### “PLAYERERROR”

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

#### “REMOTE 1”

#### “REMOTE 2”

- The remote control and the main unit are using different codes. Change the code of the remote control.
  - When “REMOTE 1” is shown, press and hold [OK] and [1] for a minimum of 4 seconds.
  - When “REMOTE 2” is shown, press and hold [OK] and [2] for a minimum of 4 seconds.

#### “TEMP NG”

- The temperature protection circuit has been activated, and the system will switch off. Let the unit cool down before switching it on again.
- Check that the ventilation opening of the unit is not obstructed.
- Ensure this unit is well ventilated.

#### “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.

## System memory reset (initialization)

Reset the memory when the following situations occur:

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

### 1 Disconnect the AC power supply cord.

### 2 While you press and hold [P/I] on the main unit, connect the AC power supply cord again.

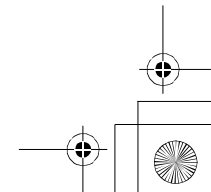
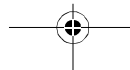
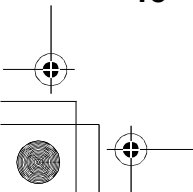
Continue to press and hold the button (approximately 10 seconds) until “-----” is shown.

### 3 Release [P/I].

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



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## 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.



## Reference

Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### 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 main 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

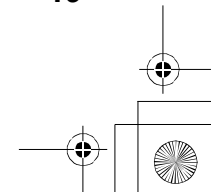
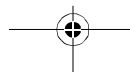
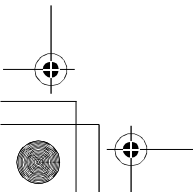
- This system is for normal, general use only.
- Do not use this system near an equipment or in an environment that is sensitive to radio frequency interference (example: airports, hospitals, laboratories, etc.).

### Licenses

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

The Bluetooth® word mark and logos are 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.

Google Play and Android are trademarks of Google Inc.



## Specifications

### Amplifier section

<b>RMS output power stereo mode</b>	
High	400+400 W per channel (3 Ω, 1 kHz, 30% THD)
Mid-Low	400+400 W per channel (3 Ω, 1 kHz, 30% THD)
Low	850+850 W per channel (5 Ω, 100 Hz, 30% THD)
Total RMS stereo mode power 3300 W	

### Disc section

<b>Disc played (8 cm or 12 cm)</b>	
CD, CD-R/RW (CD-DA, MP3*)	
<b>Pick up</b>	
Wavelength	790 nm (CD) Laser power CLASS 1
<b>Audio output (disc)</b>	
Number of channels	2 ch (FL, FR)
<b>Format</b>	
CD-DA, MP3	

### Tuner section

<b>Frequency modulation (FM)</b>	
Preset memory	30 stations
Frequency range	87.50 MHz to 108.00 MHz (50 kHz step)
Antenna terminals	75 Ω unbalanced

### Speaker section

<b>Type</b>	4 way, 4 speaker system (bass reflex)	
<b>Speaker unit(s)</b>		
Super Woofer (Low)	38 cm cone type	
Super Woofer (Mid-Low)	20 cm cone type	
Woofer	10 cm cone type	
Tweeter	6 cm cone type	
<b>Impedance</b>	High 3 Ω/ Mid-Low 3 Ω/ Low 5 Ω	
<b>Output sound pressure</b>	91 dB/W (1 m)	
<b>Frequency range</b>		
	25 Hz to 23 kHz (-16 dB)	
	30 Hz to 20 kHz (-10 dB)	

### Bluetooth® section

<b>Version</b>	Bluetooth Ver2.1 + EDR
<b>Output</b>	Class 2 (2.5mW)
<b>Communication distance</b>	
Prospective communication distance: About 10 m*	
<b>Communication method</b>	2.4 GHz band FH-SS
<b>Correspondence profile</b>	A2DP/AVRCP/SPP

\* Prospective communication distance  
Measurement environment: Temperature 25 °C/  
Height 1.0 m  
Measure in "MODE 1"

### Terminals section

<b>Microphone jack</b>	Mono, ∅ 6.3 mm
<b>USB port</b>	
USB standard	USB 2.0 full speed
Media file format support	MP3 (*.mp3)
USB device file system	FAT12, FAT16, FAT32
<b>USB ripping</b>	
Bit rate	128 kbps
USB recording speed	1x, 3x max (CD only)
Recording file format	MP3 (*.mp3)
<b>AUX input</b>	
Terminal	Stereo, ∅3.5 mm jack Stereo, RCA jack

### General

<b>Power supply</b>	AC 110 to 240 V, 50/60 Hz
<b>SA-MAX670</b>	
<b>Power consumption</b>	195 W
<b>Dimensions (W x H x D)</b>	
	492 mm x 221 mm x 408 mm
<b>Mass</b>	4.8 kg
<b>SB-MAX670</b>	
<b>Dimensions (W x H x D)</b>	
	576 mm x 796 mm x 531 mm
<b>Mass</b>	37.4 kg
<b>Operating temperature range</b>	
	0 °C to +40 °C
<b>Operating humidity range</b>	
	35% to 80% RH (no condensation)

### Power consumption in standby mode

**0.3 W (approximate)**

#### Note:

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

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## Limited Warranty

# Panasonic Products Limited Warranty

### Limited Warranty Coverage

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

Product or Part Name	Parts	Labor
Compact Stereo System	1 Year	1 Year
All included Accessories (Except Non-Rechargeable Batteries)	90 Days	Not Applicable
Only Non-Rechargeable Batteries	10 Days	Not Applicable

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

### Mail-In Service--Online or Telephone Repair Request

#### Online Repair Request

To submit a new repair request and for quick repair status visit our Web Site at [www.panasonic.com/repair](http://www.panasonic.com/repair).

#### Telephone Repair Request

You may contact us at: 1-800-211-PANA (7262)

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

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

### Limited Warranty Limits And Exclusions

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

**THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY.**

(As examples, this excludes damages for lost time, travel to and from the servicer, loss of or damage to media or images, data or other memory or recorded content. The items listed are not exclusive, but for illustration only.)

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

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you.

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

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

### Customer Services Directory

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

**<http://www.panasonic.com/help>  
or, contact us via the web at:  
<http://www.panasonic.com/contactinfo>**

You may also contact us directly at:  
1-800-211-PANA (7262)  
Monday-Friday 9am-9pm,  
Saturday-Sunday 10am-7pm EST

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

### Accessory Purchases

Purchase Parts, Accessories and Owner's Manual online for all Panasonic Products by visiting our Web Site at:

<http://www.pstc.panasonic.com>  
Or, send your request by E-mail to:  
[npparts@us.panasonic.com](mailto:npparts@us.panasonic.com)

You may also contact us directly at:  
1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only)  
(Monday-Friday 9am-9pm EST)  
Panasonic National Parts Center  
20421 84th Ave S., Kent, WA 98032  
(We accept Visa, MasterCard, Discover Card, American Express)

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

### As of July 2013

The model number and serial number of this product can be found on either the back or the bottom of the unit.

Please note them in the space provided below and keep for future reference.

MODEL NUMBER SC-MAX670

SERIAL NUMBER \_\_\_\_\_

### User memo:

DATE OF PURCHASE \_\_\_\_\_

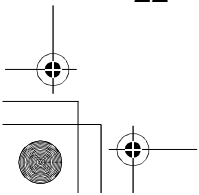
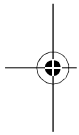
DEALER NAME \_\_\_\_\_

DEALER ADDRESS \_\_\_\_\_

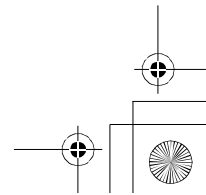
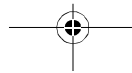
TELEPHONE NUMBER \_\_\_\_\_

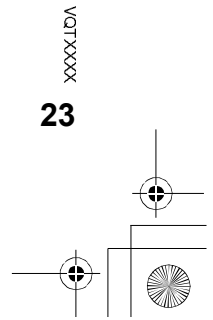
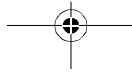
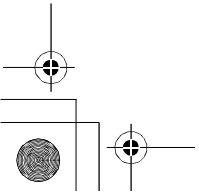
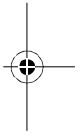
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**CAUTION - VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.**  
 FDA 21CFR / CLASS II (IIa) RQLS0512

(Inside of product)



**FCC Note:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

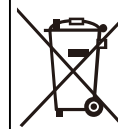
Responsible Party:

Panasonic Corporation of North America  
 Two Riverfront Plaza, Newark, NJ 07102-5490

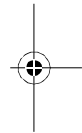
Support Contact Telephone No.: 1-800-211-PANA (7262)

- If you see this symbol -

**Information on Disposal in other Countries outside the European Union**



This symbol is only valid in the European Union. If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.



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

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