

Thank you for purchasing this product.
Please read these instructions carefully before using this product, and save this manual for future use.

If you have any questions, visit:
www.panasonic.ca/english/support

Panasonic®

Owner's Manual CD Stereo System

Model No. **SC-MAX670**

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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 are provided for your safety. If the provided plug 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.
- 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.



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 owner's manuals are applicable to the following system.

System	SC-MAX670
Main unit	SA-MAX670
Speakers	SB-MAX670

About descriptions in this Owner's Manual

- Titles to be referred to are indicated as "→ p.○○".
- Unless otherwise indicated, operations are described using the remote control.

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 power plug is the disconnecting device. Install this unit so that the power 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 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.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE SCREWS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		



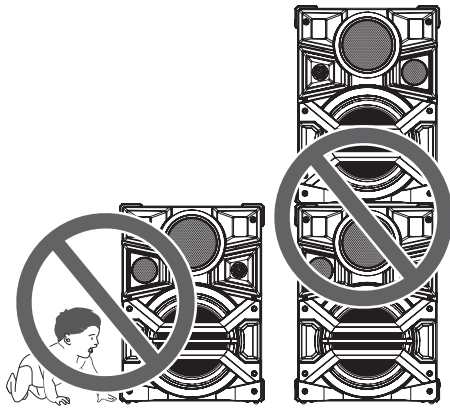
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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.**



Certified to CAN/CSA STD C22.2 No.60065.

Product Identification Marking is located on the rear of the unit.

Supplied accessories

Check and identify the supplied accessories.

- 1 x AC power supply cord (K2CB2YY00098)
- 1 x FM indoor antenna



- (RSAX0002)
- 8 x Speaker foot (RKAX0038B)
- 1 x Remote control battery
- 1 x Remote control (N2QAYB000989)

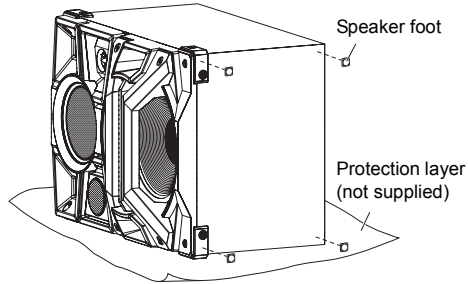
- The enclosed Canadian French label sheet corresponds to the English display on the unit.
- Product numbers provided in this Owner's Manual are correct as of January 2015. These may be subject to change.

Attaching the speaker feet

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

Preparation

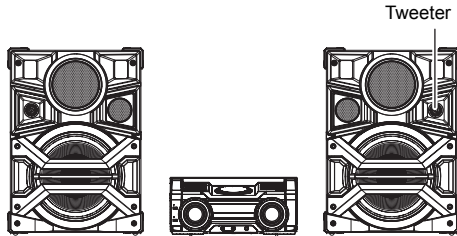
Put a protection layer below the speakers to prevent scratches.



CAUTION!

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

Placement of speakers



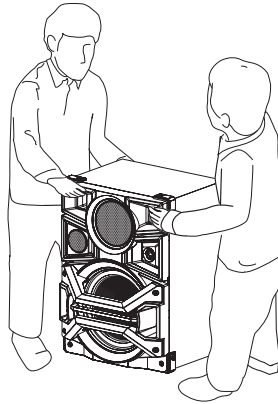
Put the speakers so that the tweeter is on the outside.

4 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.



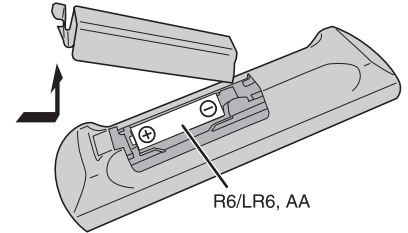
- Keep your speakers at least 10 cm (4") away from the main unit for proper ventilation.
- Put the speakers on a flat safe surface.
- These speakers do not have magnetic shielding. Do not put them near TVs, PCs or other equipment easily influenced by magnetism.
- When you play at high levels for a long 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

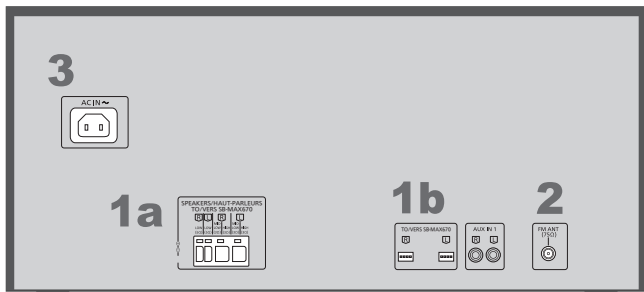


Use alkaline or manganese battery.

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

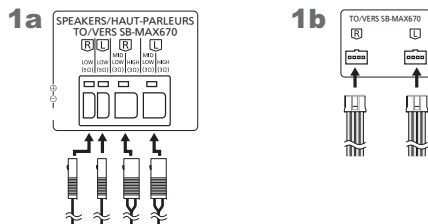
Making the connections

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



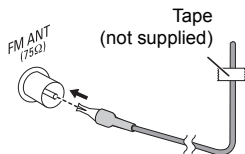
1 Connect the speakers.

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



2 Connect the FM indoor antenna.

Put the antenna where reception is best.



Do not use any other FM indoor antenna except the supplied one.

3 Connect the AC power supply cord.



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

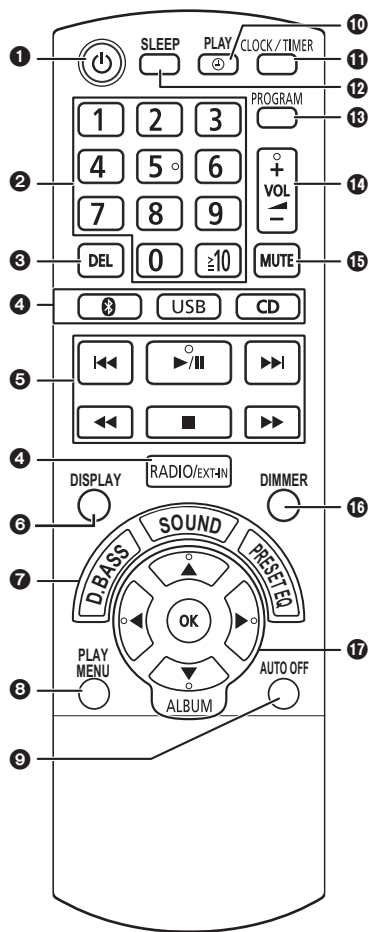
Conserving power

The system consumes approximately 0.2 W when it is in standby mode. Disconnect the power supply if you do not use the system.

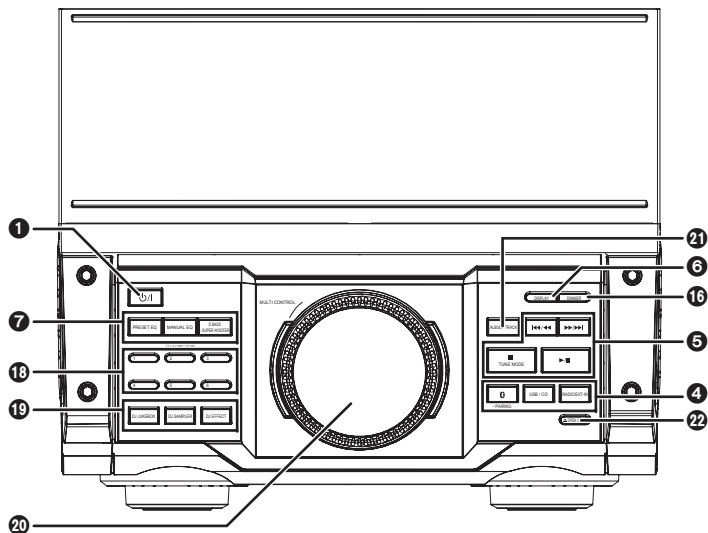
Some settings will be lost after you disconnect the system. You have to set them again.

Overview of controls

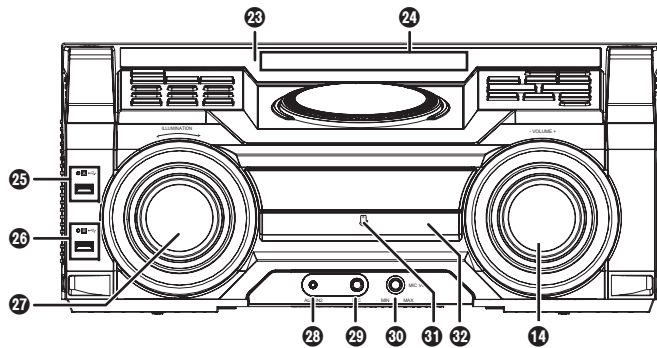
Remote control



Top view



Front view



- 1 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.
- 2** Numeric buttons
To select a 2-digit number
Example: 16: [≥10]→[1]→[6]
- 3** Delete a programmed track
- 4** Select audio source
- 5** Basic playback control
- 6** View content information
- 7** Select the sound effects
- 8** Set the play menu item
- 9** Automatically switch off function switches off the system if you do not use the system for 20 minutes. (Except radio)
- 10** Set the play timer
- 11** Set the clock and timer
- 12** Set the sleep timer
- 13** Set the program function
- 14** Adjust the volume of the system
- 15 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.
- 16** Decrease the brightness of the display panel and turn off the DJ function buttons and illumination, etc.
- 17** Select and enter buttons
- 18 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.
- 19 Switch on the DJ function**
To cancel, press the button again.
- 20** Turntable for DJ and multi control
- 21 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.
- 22** Open or close the disc tray
- 23** Remote control sensor
Distance: Within approximately 7 m (23 ft)
Angle: Approximately 20° up and down, 30° left and right
- 24** Display panel
- 25 USB A**
USB port (↔) USB status indicator
- 26 USB B**
USB port (↔) USB status indicator
- 27** Select the illumination effect
- 28** AUX IN 2 terminal
- 29** Microphone jack
- 30** Adjust the volume of the microphone
- 31** NFC touch area
- 32** Disc tray

Disc

Playing disc

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

Put in a disc with the label facing up.

Press [**▲** OPEN/CLOSE] again to close the disc tray.

- 2 Press [**CD**] and then press [**▶/||**] 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, ver. 1.1 and ver. 2 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 numeric 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.

Note:

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

Program playback

This function allows you to program up to 24 tracks.

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

“PGM” or “PROGRAM” is shown.

- 2 [**CD**]

Press the numeric buttons to select the desired track.

Do this step again to program other tracks.

(MP3)

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

- 2 Press [**▶▶**] and then press the numeric 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
- 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

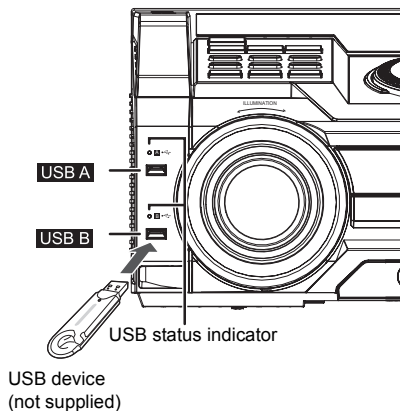
You can connect and play music tracks from your USB device.

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.

Note:

USB status indicator lights up when selected.

Playback

- 1 Press [USB] to select “USB B” or “USB A”.
- 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

In situations where the station's signal is weak, sound quality may be improved by manually selecting Mono reception.

- 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 numeric buttons to select a preset number.
Do steps 1 through 3 again to preset more stations.
The new station replaces any station that occupies the same preset number.

Selecting a preset station

Press the numeric buttons, [◀◀] or [▶▶] 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®.

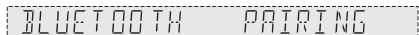
- Refer to the operating instructions of the Bluetooth® device for details.
- If you intend to use an NFC (Near Field Communication)-compatible Bluetooth® device, proceed to “One-Touch Connection (Connecting by NFC)”.
- Decrease the volume before connect the Bluetooth® device.

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.



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.

One-Touch Connection (Connecting by NFC)

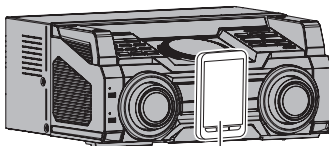
For NFC-compatible Android™ devices only

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.

Preparation

- Turn on the NFC feature of the device.
- Android device version lower than 4.1 requires the installation of the app “Panasonic MAX Juke” (Free of charge).
 - 1 Enter “Panasonic MAX Juke” in the search box of Google Play™ to search, and then select “Panasonic MAX Juke”.
 - 2 Start the app “Panasonic MAX Juke” on the device.
 - Follow on-screen instructions on your device.
 - Always use the latest version of the app.

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. 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).
- When the connection is established, the playback may start automatically depending on the type of device being used.
- 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].

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 12-hour clock.

- 1 Press [CLOCK/TIMER] to select “CLOCK”.
- 2 Within 20 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.
- The clock is reset when there is a power failure or when the AC power supply cord is removed.

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, radio or external equipment) and set the volume.
- 2 Press [PLAY ⌚] to select “⌚ PLAY ON”.
“⌚ PLAY ON” 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.

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

Note:

- The sleep timer always comes first. Be sure not to set an overlap of timers.

Sound and illumination

Adjust the sound effect

You can adjust the sound effect.

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.
- **SUPER WOOFER**
"SW1", "SW2", "SW3" or "OFF"
- **D.BASS**
"D.BASS ON", "D.BASS BEAT" or "D.BASS OFF"
Note:
D.BASS BEAT: This function emphasizes the attack level of the drum beat and produces a punchy sound.
 - Depending on the type of a track, the effect may be small.

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]**
- **SUPER WOOFER**
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".

DJ functions

DJ functions has the following functions

- DJ jukebox
- DJ sampler
- DJ effects

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

If you use the app "Panasonic MAX Juke"

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 a crossfade effect or sample sound mix to the intervals between the tracks you play back. This function works when you play back the tracks in the USB device.

1 Press [DJ JUKEBOX] on main unit.

- The setting of the unit switches to repeat mode automatically.
- (In the stop mode only) You can change the desired repeat setting by turning [MULTI CONTROL] on main unit.
 - RANDOM REPEAT
Play all tracks randomly.
 - ALL TITLE REPEAT
Repeat all tracks.
- When displayed "WAITING REQUEST" on the display, you can proceed to the next step without using the app "Panasonic MAX Juke".

2 Press [1] to [6] on main unit to select the desired function.

- [1]
Crossfade: The playback track volume gradually becomes small and next track volume becomes large.
- [2] to [6]
Sample Sound Mix: This effect is sounding a sample sound to the intervals between the tracks you play back.
To cancel, press the button again.

To cancel the DJ jukebox

Press [DJ JUKEBOX] on main unit.

Note:

- To change DJ jukebox function ON or OFF with the remote control
 - 1 Press [PLAY MENU] to select "JUKEBOX".
 - 2 Press [◀, ▶] to select "ON JUKEBOX" or "OFF JUKEBOX" and then press [OK].
- To change the desired repeat setting with the remote control
 - 1 Press [PLAY MENU] twice to select "PLAYMODE".
 - 2 Press [◀, ▶] to select desired mode and then press [OK].

If you use the app "Panasonic MAX Juke"

You can call up the tracks you want to play back through the app.

- When displayed "MAKING LIST" on the display, you can call up a part of tracks.
- When displayed "WAITING REQUEST" on the display, you can call up the tracks you want to play back through the app.

DJ sampler

By main unit only

By turning [MULTI CONTROL], 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 add the sound effects.

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: \varnothing 6.3 mm (1/4") 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: \varnothing 3.5 mm (1/8") stereo (not supplied)

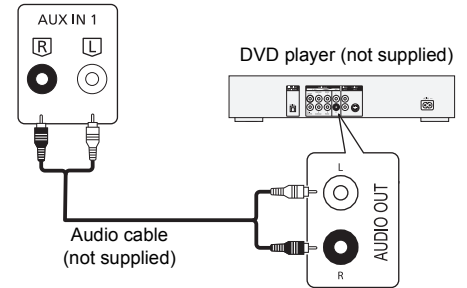
2 Press [RADIO/EXT-IN] to select "AUX 2".

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 unit does not work.

- One of the unit's safety devices may have been activated.

Reset the unit as follows:

- 1 Press [⏻/|] on the main unit to switch the unit to standby.
 - If the unit does not switch to standby, press [⏻/|] on the main unit for a few seconds. The unit is forcibly switched to standby. Alternatively, disconnect the AC power supply cord, wait one minute, then reconnect it.
- 2 Press [⏻/|] on the main unit to switch it on. If the unit still cannot be operated, consult the dealer.

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

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.

Stations cannot be selected.

- Change the FM frequency step.
 - 1 Press [RADIO/EXT-IN] to select "FM".
 - 2 Press and hold [RADIO/EXT-IN] on the main unit.After a few seconds, the display panel shows the current minimum radio frequency. Release the button when the minimum frequency changes.

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 (33 ft) 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.

- Make sure the unit and the NFC feature of the device are turned on. (⇒ p.10)

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.
- The unit may have a problem. Turn the unit off and then on again.

“NO TRACK”

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

“PLAYERROR”

- 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 [⏻/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 [⏻/I].

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

Remote control code

When other Panasonic equipment responds to the remote control of this system, change the remote control code for this system.

Preparation

Press [RADIO/EXT-IN] to select “AUX1” or “AUX2”.

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

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.)

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 (33 ft).
- 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 registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under license. Other trademarks and trade names are those of their respective owners.

Google Play and Android are trademarks of Google Inc.

To dispose or transfer this system

This system may keep the user settings information internally. If you discard this system either by disposal or transfer, then follow the procedure to return all the settings to the factory presets to delete the user settings.

- To return all sample sounds to the factory preset (refer to page 13).
- To reset system memory (refer to page 16).

Note:

- The operation history may be recorded in the memory of this system.

Specifications

Amplifier section

RMS output power (each channel driven)

High	400+400 W (3 Ω, 1 kHz, 30% THD)
Mid-Low	400+400 W (3 Ω, 1 kHz, 30% THD)
Low	850+850 W (5 Ω, 100 Hz, 30% THD)
Total RMS output power	3300 W (30% THD)

FTC Output Power

High	200+200 W (2 kHz to 20 kHz, 1%, 3 Ω)
Mid-Low	200+200 W (80 Hz to 4 kHz, 1%, 3 Ω)
Low	200+200 W (50 Hz to 170 Hz, 1%, 5 Ω)

Disc section

Disc played

8 cm (3")	CD, CD-R/RW
12 cm (5")	CD, CD-R/RW

Pick up

Wavelength	790 nm (CD) Laser power CLASS 1
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Audio output (disc)

FL = Front left channel FR = Front right channel	2 ch (FL, FR)
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Format

CD-DA, MP3

Tuner section

Frequency modulation (FM)

Preset memory	30 stations
Frequency range	87.9 MHz to 107.9 MHz (200 kHz step) 87.5 MHz to 108.0 MHz (100 kHz step)
Antenna terminals	75 Ω unbalanced

Speaker section

Type 4 way, 4 speaker system (bass reflex)

Speaker unit(s)

Super Woofer (Low)	38 cm (15") x 1/ch, cone type
Super Woofer (Mid-Low)	20 cm (7 7/8") x 1/ch, cone type
Woofer	10 cm (4") x 1/ch, cone type
Tweeter	6 cm (2 3/8") x 1/ch, cone type

Impedance

High 3 Ω/ Mid-Low 3 Ω/ Low 5 Ω

Output sound pressure

91 dB/W (1 m (3.3 ft))

Frequency range

25 Hz to 23 kHz (-16 dB)
30 Hz to 20 kHz (-10 dB)

Bluetooth® section

Version Bluetooth® Ver.2.1 + EDR

Output Class 2 (2.5 mW)

Communication distance

Prospective communication distance: About 10 m (33 ft)*

Communication method 2.4 GHz band FH-SS

Correspondence profile A2DP/AVRCP/SPP

* Prospective communication distance

Measurement environment:

Temperature 25 °C (77 °F) / Height 1.0 m (3.3 ft)

Measure in "MODE 1"

Terminals section

Microphone jack Mono, Ø 6.3 mm (1/4")

USB port

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

AUX input

Terminal	Stereo, Ø 3.5 mm (1/8") jack Stereo, Pin jack
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General

Power supply AC 120 V, 60 Hz

SA-MAX670PC

Power consumption 330 W

Dimensions (W x H x D)

492 mm x 221 mm x 421 mm
19 3/8" x 8 23/32" x 16 19/32"

Mass (Weight)

Approx. 7.1 kg (15.66 lbs)

SB-MAX670PC

Dimensions (W x H x D)

Including the speaker feet:

576 mm x 794 mm x 542 mm
22 11/16" x 31 1/4" x 21 11/32"

Excluding the speaker feet:

576 mm x 786 mm x 542 mm
22 11/16" x 30 15/16" x 21 11/32"

Mass (Weight)

Approx. 37.4 kg (82.4 lbs)

Operating temperature range 0 °C to +40 °C

Operating humidity range

35% to 80% RH (no condensation)

Power consumption in standby mode

0.2 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.

Limited Warranty

Panasonic Canada Inc.

5770 Ambler Drive, Mississauga, Ontario L4W 2T3

PANASONIC PRODUCT - LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship under normal use and for a period as stated below from the date of original purchase agrees to, 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 Panasonic Canada Inc.

Panasonic BD/DVD Product - One (1) year, parts and labour

Panasonic Audio Receivers - One (1) year, parts and labour

Home Theater Systems Product - One (1) year, parts and labour

This warranty is given only to the original purchaser, or the person for whom it was purchased as a gift, of a Panasonic brand product mentioned above sold by an authorized Panasonic dealer in Canada and purchased and used in Canada, which product was not sold "as is", and which product was delivered to you in new condition in the original packaging.

IN ORDER TO BE ELIGIBLE TO RECEIVE WARRANTY SERVICE HEREUNDER, A PURCHASE RECEIPT OR OTHER PROOF OF DATE OF ORIGINAL PURCHASE, SHOWING AMOUNT PAID AND PLACE OF PURCHASE IS REQUIRED

LIMITATIONS 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 Panasonic Canada Inc., 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 an Authorized Servicer, or damage that is attributable to acts of God.

Dry cell batteries are also excluded from coverage under this warranty.

THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY. (As examples, this warranty excludes damages for lost time, travel to and from the Authorized Servicer, loss of or damage to media or images, data or other memory or recorded content. This list of items is not exhaustive, but for illustration only.)

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable. This warranty gives you specific legal rights and you may have other rights which vary depending on your province or territory.

WARRANTY SERVICE

For product operation, repairs and information assistance, please visit our Support page:
www.panasonic.ca/english/support

IF YOU SHIP THE PRODUCT TO A SERVICENTRE

Carefully pack and send prepaid, adequately insured and preferably in the original carton. Include details of the defect claimed, and proof of date of original purchase.

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 SC-MAX670
NUMBER _____
SERIAL _____
NUMBER _____

User memo:

DATE OF PURCHASE _____
DEALER NAME _____
DEALER ADDRESS _____
TELEPHONE NUMBER _____

This device complies with Part 15 of FCC Rules and RSS-Gen of IC Rules.

Operation is subject to the following two conditions:

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

Contains IC : 216A-B21R1401

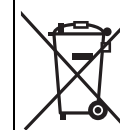
This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that is deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20 cm (7 7/8") or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

CAN ICES-3(B)/NMB-3(B)

- 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.



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www.panasonic.com

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