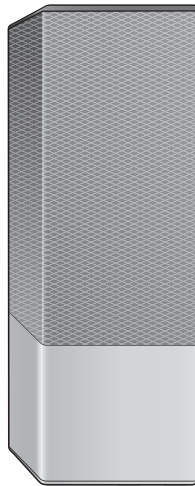




# Owner's Manual

## Wireless Speaker System

Model No. SC-GA10



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:

U.S.A.: <http://shop.panasonic.com/support>

Canada: [www.panasonic.ca/english/support](http://www.panasonic.ca/english/support)

Register online at <http://shop.panasonic.com/support> (U.S. customers only)

This device complies with Part 15 of FCC Rules and Industry Canada's licence-exempt RSSs. 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.

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).

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

#### THE FOLLOWING APPLIES ONLY IN THE U.S.A.

##### 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: <http://shop.panasonic.com/support>

#### THE FOLLOWING APPLIES ONLY IN THE U.S.A.

Contains FCC ID: 2AJYB-S810

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

5.47-5.725 GHz band is restricted to indoor operations only.

#### THE FOLLOWING APPLIES ONLY IN CANADA.

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

#### THE FOLLOWING APPLIES ONLY IN CANADA.

Contains IC: 20504-S810

5.15-5.25 GHz band is restricted to indoor operations only.

High-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

The maximum antenna gain permitted for the device is 2 dBi, to comply with the EIRP limit in 5250-5350 MHz, 5470-5725 MHz, and 5725-5825 MHz specified for point-to-point operation.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

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

- |                                                                                   |                                                                           |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| ~                                                                                 | AC                                                                        |
| ==                                                                                | DC                                                                        |
|  | Class II equipment (The construction of the product is double-insulated.) |
| I                                                                                 | On                                                                        |
|  | Standby                                                                   |
|  | Positive polarity                                                         |

# 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.



## WARNING

### Unit

- To reduce the risk of fire, electric shock or product damage,
  - Do not expose this unit to rain, moisture, dripping or splashing.
  - Do not place objects filled with liquids, such as vases, on this unit.
  - Use the recommended accessories.
  - Do not remove covers.
  - Do not repair this unit by yourself. Refer servicing to qualified service personnel.
  - Do not place any item on top of this unit.

### AC power supply cord

- To reduce the risk of fire, electric shock or product damage,
  - Ensure that the power supply voltage corresponds to the voltage printed on this unit.
  - Insert the power plug fully into the socket outlet.
  - Do not pull, bend, or place heavy items on the lead.
  - Do not handle the plug with wet hands.
  - Hold onto the power plug body when disconnecting the plug.
  - Do not use a damaged power plug or socket outlet.
- The power plug is the disconnecting device. Install this unit so that the power plug can be unplugged from the socket outlet immediately.

## CAUTION

### Unit

- 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 is intended for use in moderate climates.
- Do not carry this unit with one hand to prevent injury by dropping.

### Placement

- Place this unit on an even surface.
- Do not expose this unit to direct sunlight, high temperatures, high humidity, and excessive vibration.

### AC adaptor

This AC adaptor operates on AC between 100 V and 240 V. But

- In the U.S.A. and Canada, the AC adaptor must be connected to a 120 V AC power supply only.
- When connecting to an AC supply outside of the U.S.A. or Canada, use a plug adaptor to suit the AC outlet configuration.
- When connecting to a supply of greater than AC 125 V, ensure the cord you use is suited to the voltage of the AC supply and the rated current of the AC adaptor.
- Contact an electrical parts distributor for assistance in selecting a suitable AC plug adaptor or AC cord set.

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**About descriptions in this Owner's Manual**

- Pages to be referred to are indicated as "→ ○○".
- Labels on this unit are indicated as [○○] in this Owner's Manual.

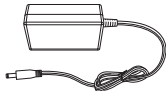
## Accessories

Check the supplied accessories before using this unit.

- ☐ **1 AC power supply cord**  
(K2CA2YY00259)



- ☐ **1 AC adaptor**  
(TXH0002FA)



- Do not use the AC power supply cord with other equipment.
- Product numbers provided in this Owner's Manual are correct as of October 2017. These may be subject to change.

# About Bluetooth®

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

## ■ Frequency band used

This system uses the 2.4 GHz frequency band.

## ■ Certification of this device

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

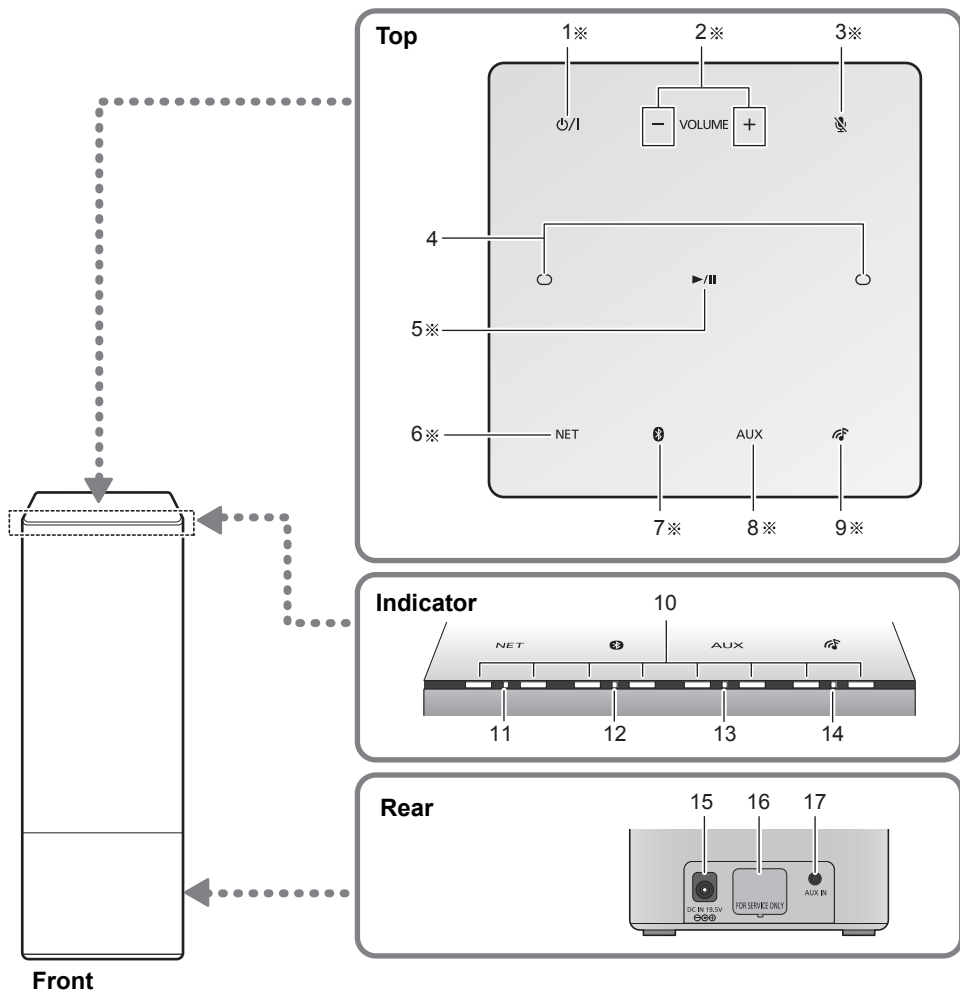
## ■ Interference from other devices

- This system may not function properly and troubles such as noise and sound jumps may arise due to radio wave interference if this system 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.).

# Control reference guide



- ※ These switches work just by touching the marks. To ensure correct operation, touch the center of the mark.
- To avoid operating these switches unintentionally, do not put any object on them.

- 1 Standby/on switch [⏻/⏻]
  - Touch 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 Volume control switch [–, +]
- 3 Mic mute switch [🔇]
  - To mute the microphones, touch [🔇]. The status indicators will light up in orange. (→ 8)
    - The unit will not hear any command and your Google Assistant features will not work. To use your Google Assistant features, touch [🔇] again to unmute the microphones.
- 4 Built-in microphone
- 5 Play/pause switch [▶/⏸]
  - Your Google Assistant can be activated when you touch and hold [▶/⏸] for at least two seconds. (→ 11)
- 6 Network selector switch [NET]
- 7 Bluetooth® selector switch [📶]
- 8 AUX selector switch [AUX]
- 9 “Panasonic Music Control” mode selector switch [🎵]
- 10 Status indicators
  - Show the status of your Google Assistant (→ below)
  - Show the status of updating firmware (→ 8)
- 11 NET (Network) selector indicator (→ 8)
- 12 📶 (Bluetooth®) selector indicator (→ 14)
- 13 AUX selector indicator (→ 15)
- 14 🎵 (“Panasonic Music Control” mode) selector indicator (→ 13)
- 15 DC IN terminal (→ 9)
- 16 For service use only
- 17 AUX IN terminal (→ 9)

# Indicator illumination

The below illustrates the indicator illumination patterns.

## ■ The Google Assistant (→ 11)

| Indicator                                                                                                            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Illumination: white</b></p>  | <p><b>All the status indicators light up one by one from left to right, then simultaneously blink slowly</b></p> <ul style="list-style-type: none"> <li>● Your Google Assistant is waiting for your command.</li> </ul> <p><b>The status indicator scrolls from the 1st position (left) to the last position (right)</b></p> <ul style="list-style-type: none"> <li>● Your Google Assistant is processing your request.</li> </ul> <p><b>All the status indicators blink simultaneously</b></p> <ul style="list-style-type: none"> <li>● Your Google Assistant is responding.</li> </ul> |

## ■ Mic mute

| Indicator                                                                                                        | Description                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Illumination: orange</b><br> | <b>The 3rd to 6th status indicators light up</b> <ul style="list-style-type: none"> <li>• The microphones are muted.<br/>The unit will not hear any command and your Google Assistant features will not work. <ul style="list-style-type: none"> <li>– To use your Google Assistant features: Touch [👉] again.</li> </ul> </li> </ul> |

## ■ Firmware update (→ 16)

**Do not disconnect the AC adaptor and the AC power supply cord during the update.**

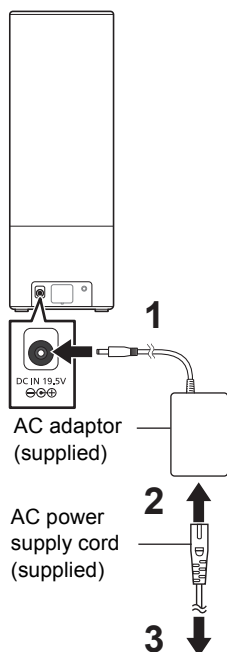
- During the update process, no operations can be performed, and you cannot use your Google Assistant.

| Indicator                                                                                                                                                                                                                                                                                                                                                                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Illumination: white</b><br><br><br><br> | <b>The selector indicator scrolls from left to right</b> <ul style="list-style-type: none"> <li>• The unit is starting the firmware update process.</li> </ul><br><b>The status indicator scrolls from the 1st position (left) to the 4th position repeatedly</b> <ul style="list-style-type: none"> <li>• The unit is updating the firmware.</li> </ul><br><b>The status indicator scrolls from the 5th position to the last position (right) repeatedly</b> <ul style="list-style-type: none"> <li>• The unit is updating the firmware.</li> </ul><br><b>The selector indicator scrolls from left to right</b> <ul style="list-style-type: none"> <li>• The unit is finishing the firmware update process. When the scrolling stops, firmware update is completed.</li> </ul> |

## ■ NET (Network) selector indicator

| Indicator                                                                                                                                                                                                | Description                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Illumination: white</b><br><br> | <b>The Network selector indicator blinks slowly</b> <ul style="list-style-type: none"> <li>• The unit is ready for the network setup.</li> <li>• The unit is disconnected from network.</li> <li>• The network setup has failed.</li> </ul><br><b>The Network selector indicator lights up</b> <ul style="list-style-type: none"> <li>• The unit is in Network selector mode with network connected.</li> </ul> |

# Connections



## To a household AC outlet

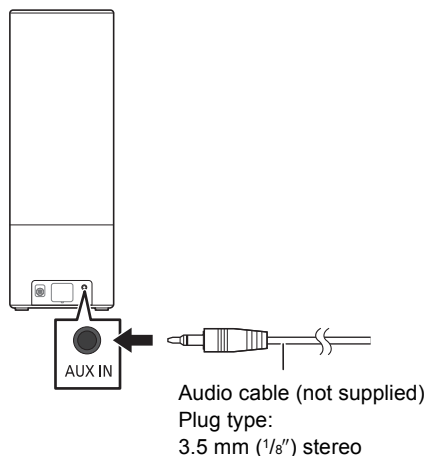
- The unit will automatically turn on and start initialising. The selector indicator starts scrolling from left to right. Do not perform any operation until the scrolling stops (initialising completes).



- This unit consumes a small amount of power (→ 20) even when turned off.
- The unit is in the standby condition when the AC adaptor is connected. The primary circuit is always "live" as long as the AC adaptor is connected to an electrical outlet.
- In the interest of energy conservation, if you will not be using this unit for an extended period of time, unplug it from the AC outlet.
- This unit does not have magnetic shielding. Do not place the unit near a TV, PC or other magnetic devices.
- Do not disconnect the AC power supply cord when the unit is on. Doing so may cause malfunction or damage.

The unit will not automatically turn to standby mode even if there is no sound and no operation is performed, as your Google Assistant will stay active.

## Connection of an external music device



- For details, refer to the Owner's Manual of the device.

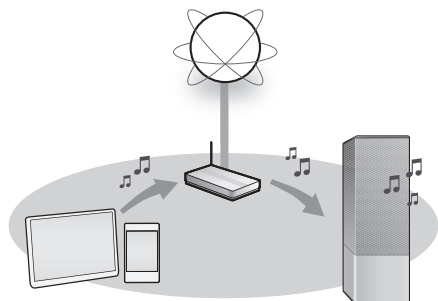
# Network setup

You can stream online music services or music stored on your devices to this unit.

This unit has the Google Assistant built in. You can ask it questions and tell it to do things.

- For more information about your Google Assistant, visit [g.co/assistant](https://g.co/assistant)

To use these features, this unit must join the same internet-connected network as the device.



Availability and performance of certain features, services and applications are device- and network-dependent and may not be available in all countries/regions; subscription(s) may be required, and additional terms, conditions and/or charges may apply. The Google Assistant is not available in all languages or countries/regions.

## Preparation

- Make sure that the Wi-Fi function is activated on your smartphones/tablet.
- Make sure the unit is on.

### 1 Download the free app “Google Home” on your smartphone/tablet.

- To download the Google Home app, visit

<https://www.google.com/cast/setup/>



### 2 Start the app and follow the on-screen instructions.

### 3 Check that the connection has completed.

- When the connection is established, the Network selector indicator will stop blinking and will light up.
- If the connection is failed, the Network selector indicator will blink slowly. In this case, try the setting again.



- This unit will be displayed as “Panasonic GA10-□□□□” if the device name is not set. (“□” stands for a character that is unique to each set.)
- You can check your network information (SSID, MAC address and IP address) from the “Google Home” app or “Panasonic Music Control” app (→ 12).
- Certain on-screen display items, etc. of the “Google Home” app may not apply to this unit.

# Operations by voice (the Google Assistant)

You can make simple voice requests for the unit to play music, podcasts or radio, and so on.

### Preparation

- Complete the network setup. (→ 10)
  - Make sure that the network is connected to the Internet.
- Make sure that your smartphone/tablet has a Google account and already signed in via the “Google Home” app.
- Make sure the unit is on.
- The mic mute function must be off. (→ 7)
- Any external devices to be operated must be in the same network as the unit.

### 1 Say “Ok Google” or “Hey Google” to the unit to activate your Google Assistant.

- All the status indicators light up one by one from left to right, then simultaneously blink slowly. (→ 7)
- Sometimes, your voice command may not be recognized by the unit (for example, during music playback at high volume).

**Instead of activating your Google Assistant by voice, you can touch and hold [▶/||] on the unit for at least two seconds when the unit is on.**

### 2 Give a command to the unit.

e.g.,

| Purpose                                                     | Command<br>Say “Ok Google” or<br>“Hey Google,” then ... |
|-------------------------------------------------------------|---------------------------------------------------------|
| To play personalized suggested content from chosen service. | • Play some music                                       |
| To stop music                                               | • Stop<br>• Stop the music                              |
| To pause music                                              | • Pause<br>• Pause the music                            |
| To play next song                                           | • Skip<br>• Next song                                   |



- The music service chosen as default in the “Google Home” app will be used first when asked to play music.
- Your Google Assistant works only when the unit is on.

For more things to try, visit  
[g.co/assistant/discover](https://g.co/assistant/discover)



## Volume control

You can control the volume by voice.

e.g.,

| Purpose                      | Command<br>Say “Ok Google” or<br>“Hey Google,” then ... |
|------------------------------|---------------------------------------------------------|
| To increase volume           | • Turn it up                                            |
| To decrease volume           | • Turn it down                                          |
| To set specific volume level | • Volume level five*<br>• Volume to 65 %*               |

※ Scale is 1 to 10 or 1 to 100 %.

### ■ Indication from status indicators during volume adjustment

The status indicators (→ 7) show the volume condition.

#### • Minimum volume

All the status indicators go off.



#### • Maximum volume

All the status indicators light up.



# Streaming music over the network

You can stream online music services or music files from your smartphone/tablet to this unit.

## Streaming online music

This unit is compatible with Chromecast-enabled apps. For the list of Chromecast-enabled apps, visit [g.co/cast/apps](http://g.co/cast/apps)

### Preparation

- Complete the network setup. (→ 10)
- Make sure that the network is connected to the Internet.
- Connect a device with a Chromecast-enabled app installed to the same network as this unit.
- Make sure the unit is on.

#### 1 Start the Chromecast-enabled app.

#### 2 Tap the Cast icon and select this unit.

- Use the “Google Home” app to group speakers when streaming online music to other compatible speakers.

#### 3 Select the desired music on your Chromecast-enabled app.

Not all music services are available in all countries/regions. Registration/subscription required. Fees may apply. Services subject to change. For details, visit the individual music service's website.

## Streaming music files on network devices

You can stream music files from the device on your network to this unit by using the free app “Panasonic Music Control”.

### Preparation

- Complete the network setup. (→ 10)
- Connect the following devices to the same network as this unit.
  - Device with “Panasonic Music Control” app installed
  - Device containing music source

#### 1 Download the free app “Panasonic Music Control” on your smartphone/tablet.



- **Android** : Google Play™



- **iOS** : App Store



#### 2 Start the app “Panasonic Music Control”.

- Always use the latest version of the app.

**3 Select this unit as the output speaker.**

**4 Select a music source.**

**5 Select a music file.**

The operations and on-screen display items, etc. of the app "Panasonic Music Control" are subject to change. For the latest information, visit

<http://panasonic.jp/support/global/cs/audio/app/>

(This site is in English only.)

## ■ Enhancing the sound

When using the free app "Panasonic Music Control", you can use the below sound functions from the settings of the app.

- Equalizer
- D.Bass (powerful bass effect)



- When using this function for music playback, the "Panasonic Music Control" mode selector indicator (  ) lights up.
- When playing back music from the DLNA server (PC with Windows 7 or later installed, smartphone, Network Attached Storage (NAS) device, etc.), add the contents and folder to the libraries of the Windows Media® Player, the smartphone, or the NAS device, etc.
- Playlist of Windows Media® Player can play back only the contents that are stored in the libraries.
- About supported format, refer to "Audio support format (Panasonic Music Control)" (→ 20).
- Depending on the contents and the connected equipment, playback may not be performed properly.

# Bluetooth® operations

By using the Bluetooth® connection, you can listen to the sound of the Bluetooth® audio device wirelessly.

- Refer to the Owner's Manual of the Bluetooth® device for further instruction on how to connect a Bluetooth® device.

## Connecting via Bluetooth® menu

### Preparation

- Complete the network setup. (→ 10)
- Turn on the Bluetooth® feature of the device and place the device near this unit.
- Make sure the unit is on.

## Pairing with Bluetooth® devices

### 1 Touch [ ].

- If the Bluetooth® selector indicator blinks fast, go to step 3.

### 2 To enter pairing mode, touch and hold [ ] for at least 2 seconds.

- The Bluetooth® selector indicator blinks fast.

### 3 Select this unit from the Bluetooth® device's menu.

- The MAC address (alpha-numerical string that is unique to each set) may be displayed before this unit is displayed.
- The Bluetooth® selector indicator lights up and the device is connected to this unit.

### 4 Start playback on the Bluetooth® device.

## Connecting a paired Bluetooth® device

### 1 Touch [ ].

- The Bluetooth® selector indicator blinks slowly.
- If the Bluetooth® selector indicator lights, a Bluetooth® device is already connected with this unit. Disconnect it. (→ 15)

### 2 Select this unit from the Bluetooth® device's menu.

- The Bluetooth® selector indicator lights up and the device is connected to this unit.

### 3 Start playback on the Bluetooth® device.



- This unit will be displayed as "Panasonic GA10-□□□□" if the device name is not set. ("□" stands for a character that is unique to each set.)
- If the speaker name is changed by using the "Panasonic Music Control" app or during the network setup, the speaker name for Bluetooth® will be also changed.
- If prompted for the passkey, input "0000".
- You can register up to 8 devices with this unit. If a 9th device is paired, the device that has not been used the longest will be replaced.
- This unit can only be connected to one device at a time.
- This unit will automatically switch to Bluetooth® selector once it connects with a Bluetooth® device.
- When Bluetooth® is selected as the source, this unit will automatically try and connect to the last connected Bluetooth® device. If the connection attempt fails, try to establish a connection again.
- Your Google Assistant works for some basic playback operations such as volume adjustment or muting. (→ 11)

## Disconnecting a Bluetooth® device

**Touch and hold [  ] for at least 2 seconds to disconnect it.**

## Bluetooth® link mode

You can change the link mode to prioritize connectivity quality or sound quality.

### Preparation

- Make sure the unit is on.
- Touch [  ].
- If a Bluetooth® device is already connected, disconnect it.

## Change the setting by “Panasonic Music Control” app. (→ 12)

Mode 1: Emphasis on connectivity

Mode 2: Emphasis on sound quality



- Select Mode 1 if the sound is interrupted.
- When enjoying video contents with this function, the video and audio output may not be synchronized. In this case, select Mode 1.
- The factory default is Mode 2.

## AUX input

You can listen to music from an external music device through this unit.

### Preparation

- Connect an external music device. (→ 9)
- For details, refer to the Owner's Manual of the device.

### 1 Touch [AUX].

- The AUX selector indicator lights up.

### 2 Start playback on the connected device.

### To select the sound input level of the external device

### 1 While in AUX mode, touch and hold [AUX] and [ ] for at least 4 seconds.

- The selector indicator shows the current input level.

### Network selector indicator blinks

Normal level



### “Panasonic Music Control” mode selector indicator ( ) blinks High level



### 2 Touch [– VOLUME](normal level) or [VOLUME +](high level) to change the input level.



- The factory default is high level.
- Turn the volume of the external device down to reduce the input signal. High level of input signal will distort the sound.
- When enjoying video contents with this function, the video and audio output may not be synchronized.
- Your Google Assistant works for some basic playback operations such as volume adjustment or muting. (→ 11)

# Others

## Dimmer mode

You can dim the brightness of indicators.

**Touch and hold [NET] and [  ] for more than 4 seconds.**

- All indicators will turn dim.



- To turn off dimmer mode, repeat the operation above.
- The setting is maintained until it is changed again.
- The factory default is off.

## Firmware updates

Occasionally, Panasonic may release updated firmware for this unit that may add or improve the way a feature operates. These updates are available free of charge.



**DO NOT DISCONNECT the AC adaptor and the AC power supply cord during the update.**

- During the update process (→ 8), no operations can be performed, and you cannot use your Google Assistant.

## Automatic updates

When a new update is available, this unit will update the firmware automatically after midnight if the unit is not in use. (This works only when the unit is on.)

- Connect this unit to the network. (→ 10)
  - Make sure that the network is connected to the Internet.
- Make sure the unit is on.

## Manual updates

### Preparation

- Connect this unit and your smartphone/tablet to the network. (→ 10)
  - Make sure that the network is connected to the Internet.
  - Make sure that the free app “Panasonic Music Control” is already installed with your smartphone/tablet.
- Make sure the unit is on.

### 1 Start the app “Panasonic Music Control”.

- Always use the latest version of the app.

### 2 Select this unit in the speaker settings.

- If update is available, notification will appear on this unit's name.

### 3 Follow the on-screen instructions.



- If an update is detected during the network setup, updating will be performed as a part of the network setup. (→ 10)
- When you connect the AC power supply cord to the AC outlet (→ 9), or when you turn on the unit, updating will be performed if new update is available.
- If a critical update is detected while the unit is in use, updating will be prioritized.
- Updating will require several minutes. It may take longer or may not work properly depending on the connection environment.

## Wi-Fi signal strength

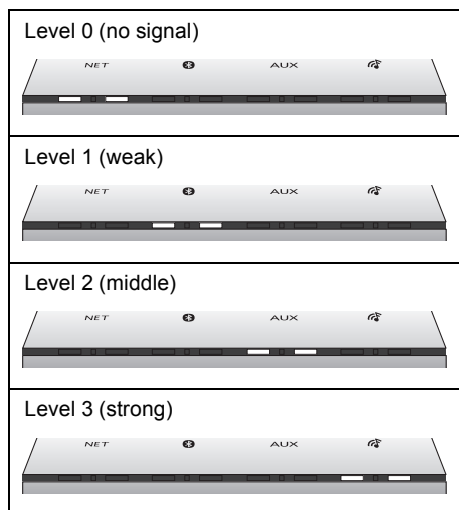
You can check the Wi-Fi signal strength where the unit is located.

### Preparation

- Connect this unit to the network. (→ 10)

**Touch and hold [NET] and [AUX] for at least 4 seconds.**

The status indicators (→ 7) will light up and show the strength.



- It is recommended to have a signal strength of 3. Change the position or angle of your wireless router or this unit if the indication is 2 or 1, and see if the connection improves.
- If the strength is level 0, the unit cannot establish a link with the wireless router.

# Troubleshooting

Before requesting service, please perform the following checks.

## Do you have the latest firmware installed?

Panasonic is constantly improving the unit's firmware to ensure that our customers are enjoying the latest technology. (→ 16)



## Make the following checks and visit our website for more information.

In the U.S.A.:

<http://shop.panasonic.com/support>

Enter the model number.

In Canada:

[www.panasonic.ca/english/support](http://www.panasonic.ca/english/support)



## Or visit our website to find a service center.

You can find a service center near you easily on our website.

## Other support information:

In the U.S.A.:

"Limited Warranty (ONLY FOR U.S.A.)" (→ 22)

In Canada:

"Limited Warranty (ONLY FOR CANADA)" (→ 23)

**For further dedicated help, support and advice about your product, visit <http://panasonic.jp/support/global/cs/audio/>**  
(This site is in English only.)

## General

### To return all settings to the factory defaults

This will reset all memory contents and network settings.

- ① Turn this unit on.
- ② Touch and hold [  ] and [  ] for at least 4 seconds.
  - All the status indicators light up in orange, one by one from left to right. Then the selector indicators (white) start scrolling.
- ③ Confirm the Network selector indicator blinks slowly.

### Humming heard during playback.

- If an AC power supply cord or fluorescent lights are near the unit's AC power supply cord, keep other cords and appliances away from the unit's AC power supply cord.

### The sound is distorted when using the AUX IN terminal.

- High level of input signal distorts the sound. To reduce the input signal level, lower the volume of the connected device or set the sound input level to normal level. (→ 15)

## Bluetooth®

### Pairing cannot be done.

- Check the Bluetooth® device condition.
- Make sure that the network setup is completed. (→ 10)

### The device cannot be connected.

- The pairing of the device was unsuccessful or the registration has been replaced. Try pairing the device again. (→ 14)
- This unit might be connected to a different device. Disconnect the other device and try pairing the device again.
- If Mode 2 is selected in the link mode, select Mode 1 by using "Panasonic Music Control" app. (→ 15)
- If the problem persists, turn the unit off and on, then try again.

### The device is connected but audio cannot be heard through this unit.

- For some Bluetooth® devices, you have to set the audio output to this unit manually. Read the Owner's Manual for the device for details.

### The sound is interrupted.

- The device is out of the 10 m (33 ft) communication range. Place the Bluetooth® device close to this unit.
- Remove any interference between this unit and the device.
- Other devices that use the 2.4 GHz frequency band such as wireless routers, microwaves, cordless phones, etc. are interfering. Place the Bluetooth® device closer to this unit and distance it from the other devices.
- Select Mode 1 for stable communication by using "Panasonic Music Control" app. (→ 15)

## Firmware updates

The following status indicators keep lighting up in orange.



An error has occurred. Disconnect the AC power supply cord from the AC outlet, reconnect it to the AC outlet after about 30 seconds. The unit will try to update again.

## Network

### Cannot connect to the network.

- Make sure that the multicast function on the wireless router is enabled.
- This unit's Wi-Fi security does not support WPA2-Enterprise. For details on the security supported by your router and how to change the settings, please refer to the Owner's Manual for the router or contact your Internet service provider.

### Cannot select this unit as the output speakers.

- Make sure that your devices are connected to the same network as this unit.
- Reconnect your devices to the network.
- Turn off and then on the wireless router.

### Playback does not start.

#### The sound is interrupted.

- If using the 2.4 GHz band on the wireless router, simultaneous use with other 2.4 GHz devices, such as microwaves, cordless telephones, etc., may result in connection interruptions. Increase the distance between this unit and these devices.
  - If your wireless router supports 5 GHz band, try using the 5 GHz band. To change to the 5 GHz band, redo the network setup to select your network name for the 5 GHz band.
- Do not place this unit inside a metal cabinet, for it might block the Wi-Fi signal.
- Place this unit closer to the wireless router.
- If several wireless devices are simultaneously using the same network as this unit, try turning off the other devices or reducing their network usage.
- Reconnect the devices to the network.
- Turn off and then on the wireless router.

## Error indications

The status indicators (→ 7) show one of the following blinking patterns in orange.



- There is a problem with this unit. Disconnect the AC power supply cord from the AC outlet, reconnect it to the AC outlet after about 30 seconds. If the problem still persists, disconnect the AC power supply cord and consult your dealer.

# Specifications

## ■ GENERAL

|                                          |                                    |
|------------------------------------------|------------------------------------|
| <b>AC Adaptor</b>                        |                                    |
| <b>Input</b>                             | AC 100 V to 240 V, 50/60 Hz        |
| <b>Output</b>                            | DC 19.5 V, 3.34 A                  |
| <b>Main unit</b>                         |                                    |
| <b>Power supply</b>                      | DC 19.5 V, 3.34 A (DC IN terminal) |
| <b>Power consumption</b>                 | 11 W                               |
| <b>Power consumption in standby mode</b> | Approx. 0.5 W                      |

|                                    |                                                                                                                                |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions (W×H×D)</b>          | 100 mm×284 mm×100 mm<br>(3 <sup>15</sup> / <sub>16</sub> "×11 <sup>3</sup> / <sub>16</sub> "×3 <sup>15</sup> / <sub>16</sub> " |
| <b>Mass</b>                        | Approx. 1.7 kg (3.7 lbs)                                                                                                       |
| <b>Operating temperature range</b> | 0 °C to +40 °C<br>(+32 °F to +104 °F)                                                                                          |
| <b>Operating humidity range</b>    | 35 % to 80 % RH (no condensation)                                                                                              |

## ■ AMPLIFIER

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| <b>RMS output power</b>          |                                                  |
| <b>Front Ch (both ch driven)</b> | 20 W per channel (8 Ω), 1 kHz, 10 % THD          |
| <b>Total RMS power</b>           | 40 W                                             |
| <b>FTC output power</b>          |                                                  |
| <b>Front Ch (both ch driven)</b> | 10 W per channel (8 Ω), 20 Hz to 20 kHz, 1 % THD |
| <b>Total FTC power</b>           | 20 W                                             |

## ■ SPEAKER SYSTEM

|                        |                                                    |
|------------------------|----------------------------------------------------|
| <b>Speaker unit(s)</b> |                                                    |
| <b>Woofer</b>          | 8 cm (3 <sup>1</sup> / <sub>8</sub> ") cone type×1 |
| <b>Tweeter</b>         | 2 cm (3 <sup>1</sup> / <sub>4</sub> ") dome type×2 |

## ■ TERMINAL

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| <b>AUX IN Terminal</b> | Stereo, Ø3.5 mm (1 <sup>1</sup> / <sub>8</sub> ") jack |
|------------------------|--------------------------------------------------------|

## ■ Bluetooth®

|                           |                            |
|---------------------------|----------------------------|
| <b>Version</b>            | Bluetooth® Ver.4.2         |
| <b>Class</b>              | Class 2                    |
| <b>Supported Profiles</b> | A2DP, AVRCP                |
| <b>Frequency Band</b>     | 2.4 GHz band FH-SS         |
| <b>Operation Distance</b> | 10 m (33 ft) Line of sight |
| <b>Supported Codec</b>    | AAC, SBC                   |

## ■ Wi-Fi

|                        |                                       |
|------------------------|---------------------------------------|
| <b>Wi-Fi</b>           |                                       |
| <b>WLAN Standard</b>   | IEEE802.11ac/a/b/g/n                  |
| <b>Frequency range</b> | 2.4 GHz band (1-11 ch)/<br>5 GHz band |
| <b>Security</b>        | WPA™/WPA2™                            |

## Audio support format (Panasonic Music Control)

|                            |                                  |
|----------------------------|----------------------------------|
| <b>MP3</b>                 |                                  |
| <b>Sampling frequency</b>  | 32/44.1/48 kHz                   |
| <b>Audio word size</b>     | 16 bits                          |
| <b>Channel count</b>       | 2 ch                             |
| <b>Bit-rate</b>            | 32-320 kbps                      |
| <b>AAC</b>                 |                                  |
| <b>Sampling frequency</b>  | 32/44.1/48/88.2/96 kHz           |
| <b>Audio word size</b>     | 16 bits                          |
| <b>Channel count</b>       | 2 ch                             |
| <b>Bit-rate</b>            | 8-320 kbps                       |
| <b>FLAC®/WAV/AIFF/ALAC</b> |                                  |
| <b>Sampling frequency</b>  | 32/44.1/48/88.2/96/176.4/192 kHz |
| <b>Audio word size</b>     | 16/24 bits                       |
| <b>Channel count</b>       | 2 ch                             |



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

※ Uncompressed FLAC files may not operate correctly.

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-GA10  
SERIAL NUMBER \_\_\_\_\_

## User memo:

DATE OF PURCHASE \_\_\_\_\_  
DEALER NAME \_\_\_\_\_  
DEALER ADDRESS \_\_\_\_\_  
\_\_\_\_\_  
TELEPHONE NUMBER \_\_\_\_\_

# Unit care

Remove the AC power supply cord and the AC adaptor before maintenance.

■ **Clean this unit with a soft, dry cloth.**

- Never use alcohol, paint thinner or benzine to clean this unit.
- Before using chemically treated cloth, carefully read the cloth's instructions.

■ **To dispose or transfer this unit**

The unit may keep the user settings information in the unit. If you discard this unit either by disposal or transfer, then follow the procedure to return all the settings to the factory defaults to delete the user settings. (→ 18, “To return all settings to the factory defaults”)

# Licenses

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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# Limited Warranty (ONLY FOR U.S.A.)

## Panasonic Products Limited Warranty

### Limited Warranty Coverage (For USA Only)

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          |
|-----------------------------------------------------------------|---------|----------------|
| Wireless Speaker System                                         | 1 Year  | 1 Year         |
| All included Accessories<br>(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. This warranty is extended only to the original purchaser of a new product which was not sold "as is".

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

#### Online Repair Request

To submit a new repair request and for quick repair status visit our Web Site at <http://shop.panasonic.com/support>

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 <http://shop.panasonic.com/support> 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:

Consumer Affairs Department  
Panasonic Corporation of North America  
661 Independence Pkwy  
Chesapeake, VA 23320

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

## **Shop Accessories!**

for all your Panasonic gear

Go to

<http://shop.panasonic.com/support>

Get everything you need to get the most out of your Panasonic products

Accessories & Parts for your Camera, Phone, A/V products, TV, Computers & Networking, Personal Care, Home Appliances, Headphones, Batteries, Backup Chargers & more...

## **Customer Services Directory**

For Product Information, Operating Assistance, Parts, Owner's Manuals, Dealer and Service info go to <http://shop.panasonic.com/support>

For the hearing or speech impaired TTY: 1- 877-833-8855

As of November 2017

# Limited Warranty (ONLY FOR CANADA)

**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 Wireless Speaker System- 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.)

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### **WARRANTY SERVICE**

For product operation, repairs and information assistance, please visit our Support page:

**[www.panasonic.ca/english/support](http://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.

---

**Panasonic Corporation of  
North America**

Two Riverfront Plaza,  
Newark, NJ 07102-5490

***<http://shop.panasonic.com>***

**Panasonic Canada Inc.**

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***[www.panasonic.com](http://www.panasonic.com)***

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