

## Operating Instructions CD Stereo System

Model No. **SC-PMX152**  
**SC-PMX150**



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

### For the United Kingdom and Ireland

#### Sales and Support Information

##### Customer Communications Centre

- For customers within the UK: 0344 844 3899
- For customers within Ireland: 01 289 8333
- Monday–Friday 9:00 am – 5:00 pm  
(Excluding public holidays).
- For further support on your product, please visit our website:  
[www.panasonic.co.uk](http://www.panasonic.co.uk)

##### Direct Sales at Panasonic UK

- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Communications Centre  
Monday–Friday 9:00 am – 5:00 pm  
(Excluding public holidays).
- Or go on line through our Internet Accessory ordering application at  
[www.pas-europe.com](http://www.pas-europe.com).
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic UK.
- It couldn't be simpler!
- Also available through our Internet is direct shopping for a wide range of finished products. Take a browse on our website for further details.

Model number suffix "EB" denotes UK model.

EG EB GN

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

Your system and the illustrations can look differently. These operating instructions are applicable to the following system.

<b>System</b>	SC-PMX152	SC-PMX150
<b>Main unit</b>	SA-PMX152	SA-PMX150
<b>Speakers</b>	SB-PMX100	SB-PMX100

Unless otherwise indicated, illustrations in these operating instructions are of SC-PMX152.

**PMX152:** indicates features applicable to SC-PMX152 only.

**PMX150:** indicates features applicable to SC-PMX150 only.

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



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries must not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points in accordance with your

national legislation.

By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment.

For more information about collection and recycling, please contact your local municipality.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.



#### Note for the battery symbol (bottom symbol):

This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

## Safety precautions

### WARNING!

#### Unit

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

### CAUTION!

#### Unit

- To reduce the risk of fire, electric shock or product damage,
  - Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure this unit is well ventilated.
  - Do not obstruct this unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.
  - Do not place sources of naked flames, such as lighted candles, on this unit.
- This unit is intended for use in moderate climates.
- The mains plug is the disconnecting device. Install this unit so that the mains plug can be unplugged from the socket outlet immediately.
- This unit may receive radio interference caused by mobile telephones during use. If such interference occurs, please increase separation between this unit and the mobile telephone.
- This unit utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

#### Battery

- 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.
- 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.
- Remove the battery if you do not use the remote control for a long period of time. Keep in a cool, dark area.
- 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.

For Continental Europe, the United Kingdom and Ireland

CE 0700

#### Declaration of Conformity (DoC)

Hereby, "Panasonic Corporation" declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Customers can download a copy of the original DoC to our R&TTE products from our DoC server:

<http://www.doc.panasonic.de>

Contact to Authorised Representative:

Panasonic Marketing Europe GmbH,  
Panasonic Testing Centre, Winsbergring 15, 22525  
Hamburg, Germany

This product is in compliance with the radio standards of the following countries.

GB, DE, AT, BE, DK, SE, FR, IT, ES, NL, FI, GR, PT, PL,  
HU, CZ, SK, EE, LV, LT, SI, BG, RO, MT, CY, IE, LU, HR,  
NO, CH, IS, LI, TR

The WLAN feature of this product shall exclusively be used inside buildings.

This product on purpose to connect to access point of 2.4 GHz or 5 GHz WLAN.

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.



The Wi-Fi CERTIFIED™ Logo is a certification mark of Wi-Fi Alliance®.

The Wi-Fi Protected Setup™ Logo is a certification mark of Wi-Fi Alliance®.

"Wi-Fi" is a registered trademark of Wi-Fi Alliance®.

"Wi-Fi Protected Setup™", "WPA™", and "WPA2™" are trademarks of Wi-Fi Alliance®.

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The Spotify software is subject to third party licenses found here: [www.spotify.com/connect/third-party-licenses](http://www.spotify.com/connect/third-party-licenses)

DLNA, the DLNA Logo and DLNA CERTIFIED are trademarks, service marks, or certification marks of the Digital Living Network Alliance.

Mac, OS X, and AirPort are trademarks of Apple Inc., registered in the U.S. and other countries.

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Google Play and Android are trademarks of Google Inc.

Made for



iPod



iPhone



iPad



"Made for iPod", "Made for iPhone", and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

AirPlay, iPad, iPhone, iPod, iPod nano, iPod touch, iPad Air, and Retina are trademarks of Apple Inc., registered in the U.S. and other countries.

iPad mini and iPad Pro are trademarks of Apple Inc.

App Store is a service mark of Apple Inc.

## Caution for AC Mains Lead

### (For the AC mains plug of three pins)

For your safety, please read the following text carefully. This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

### Before use

Remove the connector cover.

### How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.

Illustrations may differ from actual AC mains plug.

### 1. Open the fuse cover with a screwdriver.

Figure A

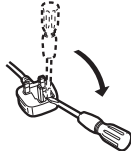
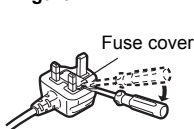


Figure B

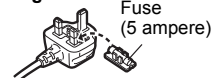


### 2. Replace the fuse and close or attach the fuse cover.

Figure A



Figure B



## Supplied accessories

Check and identify the supplied accessories.

- ☐ **(For Continental Europe)**  
**1 x AC mains lead**  
(K2CQ2YY00107)
- ☐ **(For the United Kingdom and Ireland)**  
**1 x AC mains lead**  
(K2CT2YY00089)
- ☐ **(For Australia and New Zealand)**  
**1 x AC mains lead**  
(K2CJ2YY00084)
- ☐ **1 x Remote control**  
(N2QAYB001135)
- ☐ **1 x Remote control battery**
- ☐ **2 x Speaker cables**  
(REE1840)



- ☐ **(PMX152) 1 x DAB antenna**  
(N1CYYYY00022)



- ☐ **(PMX150) 1 x FM indoor antenna**  
(RSAX0002)



- Product numbers provided in these operating instructions are correct as of January 2017. These may be subject to change.

## Maintenance

- To clean the main unit, wipe with a soft, dry cloth.
- To clean the speakers, wipe with a fine-textured and dry cloth such as a microfibre cleaning cloth.
- Never use alcohol, paint thinner or benzene to clean this system.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.

## Placement of speakers



Place the speakers so that the tweeter is on the inner side. To prevent damage to the speakers, do not touch the speaker cones if you remove the nets.

### Use only the supplied speakers.

The combination of the main unit and speakers give the best sound. You can cause damage to the system and decrease the sound quality if you use other speakers.

### Note:

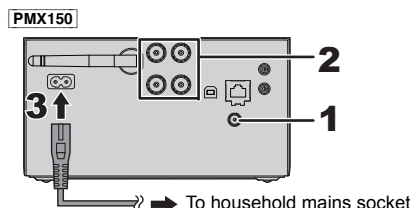
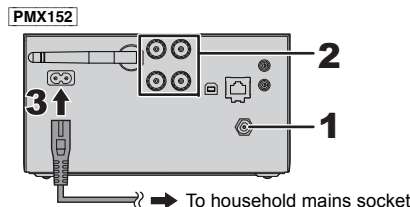
- Keep your speakers more than 10 mm from the main unit for ventilation.
- Put the speakers on a flat safe surface.
- These speakers do not have magnetic shielding. Do not put them near TVs, PCs or other equipment easily influenced by magnetism.
- When you play at high levels for a long period, it can cause damage to the system and decrease the life of the system.
- Decrease the volume in these conditions to prevent damage:
  - When you play distorted sound.
  - When you adjust the sound quality.

### 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.**

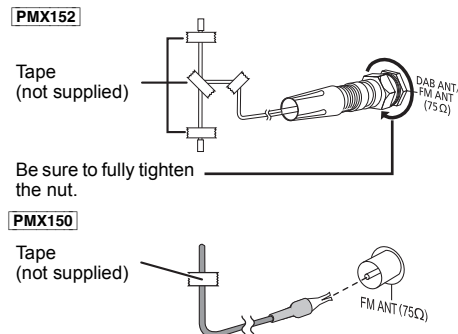
## Making the connections

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



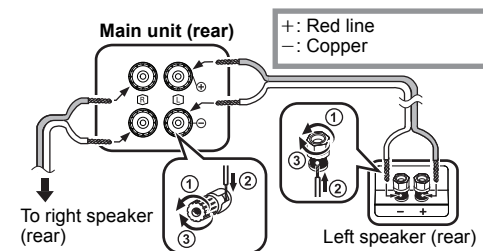
### 1 Connect the antenna.

Place the antenna where reception is best.



- If radio reception is poor, use an outdoor antenna (not supplied).

### 2 Connect the speakers.



**Be careful not to cross (short-circuit) or reverse the polarity of the speaker wires as doing so may damage the speakers.**

### 3 Connect the AC mains lead.

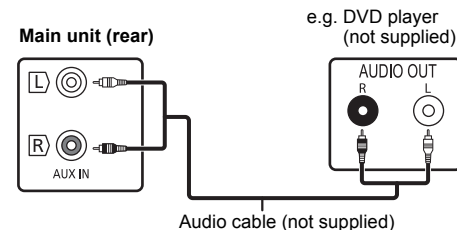
Do not use an AC mains lead with other equipment.

### Conserving power

The system consumes a small amount of power (≈ 22), even when it is in standby mode. Disconnect the power supply if you do not use the system. Some settings will be lost after you disconnect the system. You have to set them again.

## Connecting other equipment

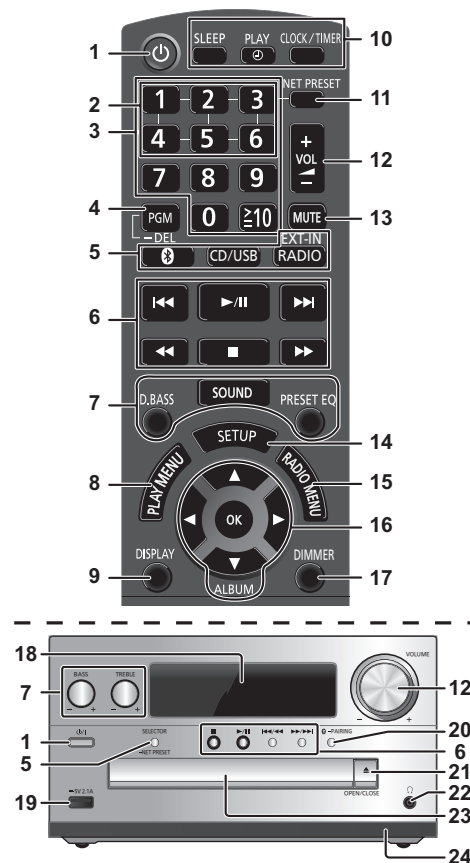
You can connect a VCR, DVD player etc.



### Note:

- Disconnect the AC mains lead before connection.
- Switch off all equipment and read the appropriate operating instructions.
- Components and cables are sold separately.
- If you want to connect equipment other than those described, refer to the audio dealer.
- Sound distortion can occur when you use an adaptor.

## Overview of controls



### 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 NET PRESET buttons for storing or selecting internet radio station ([1] to [6]) (⇒ 10).

### 3 Numeric buttons [1 to 9, 0, ≥10]

- To select a 2-digit number  
Example: 16: [≥10] → [1] → [6]
- To select a 3-digit number  
Example: 124: [≥10] → [≥10] → [1] → [2] → [4]

### 4 Set the programme function/Delete a programmed track

### 5 Select audio source

On the remote control

[⏻]: "BLUETOOTH"

[CD/USB]: "CD" ↔ "USB"\*1

[RADIO, EXT-IN]:

"DAB+" (PMX152) → "FM" → "AUX"  
 ↳ "NETWORK" ← "PC" ←

On the main unit

[SELECTOR, -NET PRESET]:

"CD" → "BLUETOOTH" → "DAB+" (PMX152) → "FM"  
 ↳ "NETWORK" ← "PC" ← "USB"\*1 ← "AUX" ←

- Press and hold [SELECTOR, -NET PRESET] to recall the last preset station for internet radio (⇒ 10).

### 6 Basic playback control

### 7 Select the sound effects

### 8 Set the play menu item

### 9 View content information

### 10 Clock and timer operation

### 11 Recall the last preset station for internet radio (⇒ 10).

### 12 Adjust the volume of the system

### 13 Mute the sound of the system

Press the button again to cancel.

"MUTE" is also cancelled when you adjust the volume or when you switch off the system.

### 14 Enter setup menu

### 15 Set the radio menu item

### 16 Select the option

### 17 Dim the display panel

Press the button again to cancel.

### 18 Display panel

### 19 Port for iPhone/iPad/iPod and USB devices

### 20 Bluetooth®-pairing button

- Press to select "BLUETOOTH" as the audio source.
- Press and hold to enter pairing mode (⇒ 11) or disconnect a Bluetooth® device (⇒ 12).

### 21 Open or close the disc tray

### 22 Headphones jack (📶)

- Plug type: 3.5 mm stereo (not supplied)
- Avoid listening for prolonged periods of time to prevent hearing damage.
- Excessive sound pressure from earphones and headphones can cause hearing loss.
- Listening at full volume for long periods may damage the user's ears.

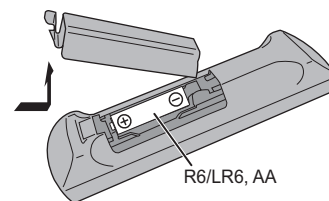
### 23 Disc tray

- Do not put any object in front of the disc tray.

### 24 Remote control sensor

\*1: The display will automatically change to "iPod" when a compatible iPhone/iPad/iPod is connected to the port for iPhone/iPad/iPod.

## Preparing the remote control



- Use alkaline or manganese battery.
- Install the battery so that the poles (+ and -) align with those in the remote control.
- Point the remote control at the remote control sensor, away from obstacles, at a maximum range of 7 m directly in front of the main unit, within an angle of approximately 30° to the left and right.

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

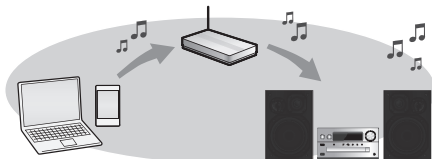
- ~ AC
- DC
- Class II equipment (The construction of the product is double-insulated.)
- ⏻ On
- ⏻ Standby

## Network settings

You can stream music from an iOS device (iPhone/iPad/iPod), an Android™ device or a PC (Mac/Windows) to this system's speakers by using the Qualcomm® AllPlay™ smart media platform or AirPlay. To use these features, this system must join the same network as the compatible device.

Qualcomm® AllPlay™ is a product of Qualcomm Technologies, Inc.

- Please update the system's firmware after the network settings are complete. (⇒ 17)



Choose a network setting method from the following.

### Wireless LAN connection

**Method 1: "Using the WAC (Wireless Accessory Configuration)" (⇒ right)**

- If you are using an iPhone/iPad/iPod touch (iOS version 7.0 or later), or Mac (OS X 10.9 or later, with AirPort Utility 6.3.1 or later), you can send its Wi-Fi configuration to this system.

**Method 2: "Using the app "Panasonic Music Streaming"" (⇒ right)**

- You can make the wireless network settings with the app, "Panasonic Music Streaming" (free of charge).

**Method 3: "Using an Internet browser" (⇒ 7)**

- You can access this unit's network settings from the Internet browser on your smartphone or PC, etc.

**Method 4: "Using WPS (Wi-Fi Protected Setup™)" (⇒ 8)**

- If your wireless router supports WPS, you can set up a connection by either pressing the WPS button, or entering the WPS PIN code.

### Wired LAN connection

**Method 5: "Using a LAN cable" (⇒ 8)**

- You can make a stable connection to the network with a LAN cable.

### Note:

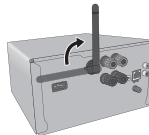
- The setting will be cancelled after the set time limit. In that case, try the setting again.  
To cancel this setting in the middle, press [■].

## Wireless LAN connection

This system has built-in Wi-Fi® and can be connected to a wireless router.

### Preparation

- Place this system as close to the wireless router as possible.
- Do not connect a LAN cable. Doing so will disable the Wi-Fi® function.
- Point the antenna on the rear of the main unit up as shown in the figure.
- Do not perform the following:
  - Tilting the antenna forward or backwards when it is pointing up
  - Applying too much force to the antenna
  - Carrying this unit by holding the antenna



### Method 1:

#### Using the WAC (Wireless Accessory Configuration)

- The following explanations are based on an iPhone.

**1 Turn this system on.**

**2 Connect the iPhone to your home wireless network.**

**3 Press [RADIO, EXT-IN] on the remote control repeatedly to select "NETWORK".**

- When "WAC Mode" is indicated on the display, proceed to step 4.
  - If the display stays at "NETWORK", perform the operation for network reset. (⇒ 18)

**4 Go to Wi-Fi settings on your iPhone.**



**5 Select "Panasonic PMX152" or "Panasonic PMX150" under the "SET UP NEW AIRPLAY SPEAKER..."**

- "□" stands for a character that is unique to each set.

**6 The "AirPlay Setup" screen appears on your iPhone.**

- This system will be displayed as "Panasonic PMX152" or "Panasonic PMX150".
  - \* To change the name, enter a new name to replace the existing one.  
You can also do the renaming after the network connection is set up. (⇒ 8, "To make network-related settings")
- You can set a password for this system under "SPEAKER PASSWORD".  
(You will need this password if you make network settings by Internet browser next time.)

**7 Select "Next" to apply the settings.**

- On the main unit's display, "Success" appears when the connection is established. ("W" will be displayed.)

### Method 2:

#### Using the app "Panasonic Music Streaming"

You can also refer to the supplied "Wi-Fi® QUICK SETUP GUIDE".

**1 Download the app "Panasonic Music Streaming" (free of charge) on your smartphone/tablet. (Always use the latest version of the app.)**

- [iOS] : App Store
- [Android] : Google Play™



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

**3 Check that the connection has completed.**

- On the unit's display, "Success" appears when the connection is established. ("W" will be displayed.)
  - If "Fail" is displayed press [OK], check the network name (SSID) and the password, and then try the setting again.

The operations and on-screen display items, etc. of the app "Panasonic Music Streaming" are subject to change.

For the latest information, visit

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

(This site is in English only.)

### Method 3: Using an Internet browser

- The following explanations are based on a smartphone.

#### 1 Turn this system on.

#### 2 Press [RADIO, EXT-IN] on the remote control repeatedly to select "NETWORK".

#### 3 To enter "Setting" mode

- Press [SETUP] on the remote control repeatedly to select "Net Setup" and then press [OK].
- Press [◀, ▶] on the remote control to select "Manual" and then press [OK].
- Press [◀, ▶] on the remote control to select "OK? Yes" and then press [OK].
  - After pressing [OK] to confirm "OK? Yes", the previous network connection you have set with this unit will be cleared.

- Alternatively, while pressing and holding down [▲, OPEN/CLOSE] on the unit, press and hold down [▶/III] on the unit for at least 4 seconds. "Setting" blinks on the display.

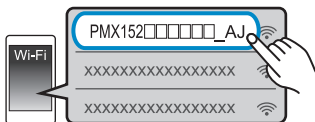
#### 4 Go to Wi-Fi settings on your compatible device.



#### 5 Select "PMX152□□□□□\_AJ" or "PMX150□□□□□\_AJ" to connect to this system.

- " " stands for a character that is unique to each set.
- This can take up to 1 minute to appear in your Wi-Fi list.
- If this operation does not work correctly, please repeat it several times.

- iOS device: If "Panasonic PMX152 □□□□□" or "Panasonic PMX150 □□□□□" appears under "SET UP NEW AIRPLAY SPEAKER..." instead, proceed to perform steps 5 to 7 of "Method 1" to complete the network setting procedure. (⇒ 6)
- Make sure that DHCP is enabled for the network setting on your compatible device.



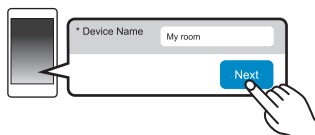
#### About the network setting page:

iOS device: The settings page will be automatically displayed in the Internet browser.

Except the iOS device: Swipe down the device's notification bar to check for "Sign in to Wi-Fi network" notification and tap on it to display the settings page.

- If there is no notification, open the Internet browser and refresh the page to display the settings page. If the settings page is not displayed, type "http://172.19.42.1/" into the URL address field.

#### 6 Type a device name and then select "Next".



- The device name will be displayed as this system's name on the network.
- Maximum characters that can be shown: 32
- Emoji characters are not supported.
- The device name is set when "Next" is selected.
- You can also change the device name after the network connection is set up. (⇒ 8, "To make network-related settings")

#### 7 Select your security options for this system.

##### To set the AirPlay password

- Select "Yes" and then select "Next".
  - Set your password and then select "Next".
- You will need this password the next time this network setting method is used.
  - If you have performed a network reset (⇒ 18) , the password will be cleared.

##### To skip this setting

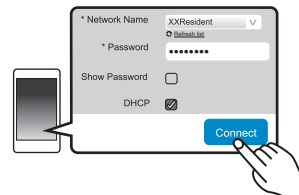
Select "No" and then select "Next".

- You can also change this setting after the network connection is set up. (⇒ 8, "To make network-related settings")

#### 8 Select your network name (SSID) and type the password.

- Check the wireless router for the network name (SSID) and the password.
- A list of network names (SSIDs) will be appeared when you select the "Network Name" box.
- To show the characters typed in the "Password" box, select "Show Password".
- If your network requires specific settings, deselect "DHCP" to disable DHCP.
  - You can use specific IP address, subnet mask, default gateway, primary DNS, etc.
- To update the network name (SSID) list, select "Refresh list".

#### 9 Select "Connect" to apply the settings.



- On the main unit's display, "Success" appears when the connection is established. ("W" will be displayed.)
  - If "Fail" is displayed press [OK], check the network name (SSID) and the password, and then try the setting again.
- Depending on the device, the connection complete screen may not be displayed.

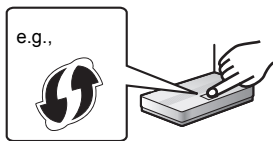
#### 10 Make sure to connect your compatible device back to your home wireless network.

##### Note:

- Enable Java and Cookies in your browser settings.



## Method 4: Using WPS (Wi-Fi Protected Setup™)



A compatible wireless router may have the WPS identifier mark.

- 1 Turn this system on.
- 2 Press [RADIO, EXT-IN] on the remote control repeatedly to select "NETWORK".
- 3 To enter "WPS Push" mode
  - 1 Press [SETUP] on the remote control repeatedly to select "Net Setup" and then press [OK]. "WPS Push" is indicated on the display.
  - 2 Press [OK].
  - 3 Press [◀, ▶] on the remote control to select "OK? Yes" and then press [OK].
  - Alternatively, while pressing and holding down [▶▶/▶▶] on the main unit, press and hold [SELECTOR, -NET PRESET] on the main unit for at least 4 seconds.
  - If the unit is already connected to a wireless LAN network, "Network Initializing" is displayed for about 1 minute. "WPS" flashes on the display.
- 4 Activate the WPS button on the wireless router.
  - On the main unit's display, "Success" appears when the connection is established. ("W") will be displayed.)
    - "Fail" may be displayed if the connection was not made within the set time limit. Press [OK]. Try the setting again. If "Fail" is still displayed, try other methods.

## ■ Using the WPS PIN code

- 1 Turn this system on.
- 2 Press [RADIO, EXT-IN] on the remote control repeatedly to select "NETWORK".
- 3 To enter "WPS PIN" mode
  - 1 Press [SETUP] on the remote control repeatedly to select "Net Setup" and then press [OK].
  - 2 Press [◀, ▶] on the remote control to select "WPS PIN" and then press [OK].

- Alternatively, while pressing and holding down [◀◀/▶▶] on the main unit, press and hold [SELECTOR, -NET PRESET] on the main unit for at least 4 seconds.
- If the unit is already connected to a wireless LAN network, "Network Initializing" is displayed for about 1 minute. The PIN code is indicated on the display.

## 4 Enter the PIN code into the wireless router.

### Note:

- Once the system enters WPS PIN code mode, you cannot set up using the WPS button. To use the WPS button, turn the system off and then on, and redo the network settings.
- Depending on a router, other connected devices may temporarily lose their connection.
- For details, refer to the operating instructions of the wireless router.

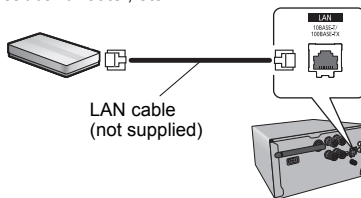
## Wired LAN connection

### Method 5: Using a LAN cable

- 1 Disconnect the AC mains lead.
- 2 Connect the main unit to a broadband router, etc. using a LAN cable.

e.g.,

Broadband router, etc.



- 3 Connect the AC mains lead to the main unit and turn this system on.

- When the connection is established, "W" is indicated on the main unit's display.

### Note:

- Use category 5 or above straight LAN cables (STP) when connecting to peripheral devices.
- The LAN cable must be connected or disconnected while the AC mains lead is disconnected.
- Inserting any cable other than a LAN cable in the LAN port can damage the system.

- If the LAN cable is disconnected, the network-related settings (⇒ below) will be initialized. In that case, make the settings again.
- When a LAN cable is connected, the Wi-Fi function will be disabled.

## To make network-related settings

You can change this system's name on the network, change the security options for this system, and use specific IP address, subnet mask, default gateway, primary DNS, etc.

You can also change the name of this system by changing a setting in the app "Panasonic Music Streaming" (⇒ 9). For details on the app, refer to the site below.

<http://panasonic.jp/support/global/cs/audio/app/>  
(This site is in English only.)

### Preparation

- Complete the network settings. (⇒ 6)
- Connect your device to the same network as this system.
- Check this system's IP address (⇒ 18), and note it down.

- 1 Start an Internet browser on your device and then type this system's IP address into the address field to display the settings page.

- It may take a few minutes until the settings page is displayed depending on the environment. In that case, reload the browser.
- If the unit is connected with Wi-Fi, only a device name and the security options for this system can be changed. Close the settings page after making the changes.
  - To change the device name, select "Change", and type a new device name, and then select "Apply".
  - To change the security options for this system, select "Change" for the AirPlay password setting. If you have set an AirPlay password previously, you will need your old password before making changes. Make the changes and then select "Apply".

- 2 Type a device name and then select "Next".

- Refer to the step 6 of "Using an Internet browser" (⇒ 7) for details on a device name.

- 3 Select your security options for this system.

- Refer to the step 7 of "Using an Internet browser" (⇒ 7) for details on security options for this system.



## 4 Select and input the details.

- If your network requires specific settings, deselect "DHCP" to disable DHCP.
  - You can use specific IP address, subnet mask, default gateway, primary DNS, etc.

## 5 Select "Connect" to apply the settings.

- When the connection is established, "Success" appears on the main unit's display.

## Streaming music over the network

You can stream music from your devices or online music services to this system's speakers and other speakers powered by AllPlay.

You can also stream music source of this system to other speakers powered by AllPlay.

### Streaming music on network devices

You can use the AllPlay function to stream music from the device on the network to this system's speakers by using the app "Panasonic Music Streaming" (free of charge), etc.

- **iOS** : App Store
- **Android** : Google Play™



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

<http://panasonic.jp/support/global/cs/audio/app/>  
More apps are available. For details, visit  
[www.panasonic.com/global/consumer/homeav/allseries/service](http://www.panasonic.com/global/consumer/homeav/allseries/service)  
(These sites are in English only.)

### Preparation

- Complete the network settings. (⇒ 6)
- Connect the following devices to the same network as this system.
  - Device with "Panasonic Music Streaming", etc. installed
  - Device containing music

The following steps are based on "Panasonic Music Streaming".

## 1 Turn this system on.

- Check that "**W**" is indicated on the display.
- If it is not indicated, check the network settings. (⇒ 6)

## 2 Start the app "Panasonic Music Streaming".

- Always use the latest version of the app.

## 3 From "Speaker", select this system as the output speakers.

- If you have multiple speakers powered by AllPlay, you can enjoy synchronised sound from them.

To group speakers, drag e.g., "**B**" of the desired speakers over each other.

- You can also play different songs on other speakers powered by AllPlay at the same time.
- The number of speakers powered by AllPlay that can perform playback at the same time differs depending on the situation of use.
- When you turn off one of the speakers powered by AllPlay, other speakers in the same group may stop the playback.

## 4 Select a music source.

## 5 Select a song.

### Note:

- This system will be displayed as "Panasonic PMX152" or "Panasonic PMX150" if the device name is not set.
- 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 "Specifications" (⇒ 22).
  - File formats that are not supported by your DLNA server cannot be played.
- Depending on the contents and the connected equipment, playback may not be performed properly.
- Ensure to stop playback on your device before turning it off.

### Streaming online music

This system is compatible with several online music services.

Visit the following website for the compatibility information.

[www.panasonic.com/global/consumer/homeav/allseries/service](http://www.panasonic.com/global/consumer/homeav/allseries/service)

### Preparation

- Make sure that the network is connected to the Internet.
- Connect a device with a compatible app installed to the same network as this system.

## 1 Turn this system on.

- Check that "**W**" is indicated on the display.
- If it is not indicated, check the network settings. (⇒ 6)

## 2 Start the app, and select a song to playback.

### ■ Using Spotify

You will need Spotify Premium. For details, visit the following website.

[www.spotify.com/connect/](http://www.spotify.com/connect/)

After step 2

## 3 Select the square image of the song's cover art in the bottom left of the playback screen.

## 4 From "**⌂**", select this system as the output speakers.

- To enjoy synchronised sound from the multiple speakers powered by AllPlay, you need to group the speakers using the app "Panasonic Music Streaming". (⇒ left)

### ■ Using online music services other than Spotify

After step 2

## 3 From "**⌂**", select this system as the output speakers.

- Depending on the service, you might need to open full screen player to display "**⌂**".
- If you have multiple speakers powered by AllPlay, you can enjoy synchronised sound from them. Select "Group" and then select the speakers to group.

### Note:

- This system will be displayed as "Panasonic PMX152" or "Panasonic PMX150" if the device name is not set.
- Registration/subscription is required.
- Fees may apply.
- Services, icons, and specifications are subject to change.
- For details, visit the individual music service's website.

## Streaming music on this system

You can use the app “Panasonic Music Streaming” (⇒ 9) to stream this system’s music source (radio/CD/ Bluetooth/ AUX/USB/PC source) to other speakers powered by AllPlay.

### Preparation

- Complete the network settings. (⇒ 6)
- Prepare the desired audio source on this system (e.g. insert a CD, etc.)
- Install the app “Panasonic Music Streaming” on your device.
- Connect your device and your speakers powered by AllPlay to the same network as this system.

#### 1 Turn this system on.

- Check that “**W**” is indicated on the display.
- If it is not indicated, check the network settings. (⇒ 6)

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

- Always use the latest version of the app.

#### 3 From “Speaker”, select the speaker to stream this system’s audio.

- To stream this system’s audio to other speakers powered by AllPlay, drag e.g., “**B**” of the desired speakers over each other.

#### 4 Select your desired music source from the list.

#### 5 Select this system.

The device will start to read the selected music source’s information from this system.

- This system will change to the selector mode for the selected music source.
- The speaker selected in step 3 and this system will be automatically grouped together.
- Depending on the selected music source, playback may start. If a content list appears on your device, select the desired content to start playback.
- The number of speakers powered by AllPlay that can perform playback at the same time differs depending on the situation of use.
- When you turn off one of the speakers powered by AllPlay, other speakers in the same group may stop the playback.
- DSD 5.6 Mhz file can be played on this system but cannot be streamed to other speakers in the same group.

### Note:

- This system will be displayed as “Panasonic PMX152” or “Panasonic PMX150” if the device name is not set.
- When enjoying video contents with this function, the video and audio output may not be synchronised.

## Storing stations under (NET PRESET)

### [1] to [6]

### (Only when playback using internet radio app)

This unit is compatible with the Qualcomm® AllPlay™ Radio powered by TuneIn.

You can preset stations when playback using internet radio app “AllPlay Radio”.

Qualcomm® AllPlay™ Radio powered by TuneIn is a product of Qualcomm Technologies, Inc.

You can store up to 6 stations under (NET PRESET) [1] to [6].

- A station previously stored is overwritten when another station is stored under the same (NET PRESET) [1] to [6].

### Preparation

- Make sure that the network is connected to the Internet.
- Connect a device with an “AllPlay Radio” app installed to the same network as this system.

#### 1 Turn this system on.

- Check that “**W**” is indicated on the display.
- If it is not indicated, check the network settings. (⇒ 6)

#### 2 Start the app “AllPlay Radio”, and select a station to playback.

- Always use the latest version of the app.

#### 3 Press and hold one of [1] to [6] until “NET P □” appears on the display.

(“□” stands for a number.)

### ■ Listening to a stored station

Press one of [1] to [6].

- Press [NET PRESET] first if the current selector is other than NETWORK.

### Note:

- If the selected preset channel has not been preset, “No Preset” is displayed.
- If you press [NET PRESET], the last preset station can be recalled. Alternatively, press and hold [SELECTOR, -NET PRESET] on the main unit.
- To select preset stations by the main unit
  - Press and hold [SELECTOR, -NET PRESET], then press [◀◀/◀] or [▶/▶▶].

## Using AirPlay

AirPlay works with iPhone, iPad, and iPod touch with iOS 4.3.3 or later, Mac with OS X Mountain Lion or later, and PC with iTunes 10.2.2 or later.

### Preparation

- Complete the network settings. (⇒ 6)
- Connect the iOS device or PC to the same home network as this system.

#### 1 Turn this system on.

- Check that “**W**” is indicated on the display.
- If it is not indicated, check the network settings. (⇒ 6)

#### 2 iOS device: Start the “Music” (or iPod) app.

PC: Start “iTunes”.

- If the Music app on your iOS device is used, select the audio file you want to play.

#### 3 Select “Panasonic PMX152 □□□□□□” or “Panasonic PMX150 □□□□□□”<sup>\*1,2</sup> from the AirPlay icon.

- Check the volume settings before starting the playback. (When AirPlay is used for the first time, the volume may be output at the maximum setting.)

#### 4 Start play.

- The playback will start with a slight delay.

### Note:

- This system can be set to turn on automatically when this system is selected as the output speakers. (⇒ 18, “Network standby”)
- Volume changes on the iOS device or iTunes will be applied to this system. (Refer to the iTunes Help for the required settings in iTunes.)
- With some iOS and iTunes versions, it may not be possible to restart the AirPlay playback if the selector is changed (e.g., “CD”) or this system is turned off, during the AirPlay playback. In this case, select a different device from the AirPlay icon of the Music App or iTunes and then re-select this system as the output speakers.
- AirPlay will not work when playing back videos on iTunes.

\*1: “□” stands for a character that is unique to each set.

\*2: The name that is displayed for this system can be changed from “To make network-related settings”. (⇒ 8)

## 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 this 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. 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).

## Bluetooth® operations

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

- Refer to the operating instructions of the Bluetooth® device for details.

### Connecting via Bluetooth® menu

#### Preparation


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

#### Pairing with Bluetooth® devices

#### 1 Press [ ] to select “BLUETOOTH”.

If “Pairing” is indicated on the display, go to step 3.

#### 2 Press [PLAY MENU] to select “Pairing” and then press [OK].

- Alternatively, press and hold [  ]-PAIRING on the unit.

#### 3 Select “SC-PMX152” or “SC-PMX150” from the Bluetooth® device’s Bluetooth® menu.

- The MAC address (e.g., 6C:5A:B5:B3:1D:0F) may be displayed before “SC-PMX152” or “SC-PMX150” is displayed.
- The name of the connected device is indicated on the display for a few seconds.

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

### Connecting a paired Bluetooth® device

#### 1 Press [ ] to select “BLUETOOTH”.

“Ready” is indicated on the display.

#### 2 Select “SC-PMX152” or “SC-PMX150” from the Bluetooth® device’s Bluetooth® menu.

The name of the connected device is indicated on the display for a few seconds.

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


#### Note:

- 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 for the longest will be replaced.
- This unit can only be connected to one device at a time.
- When “BLUETOOTH” is selected as the source, this unit will automatically try and connect to the last connected Bluetooth® device. (“Linking” is indicated on the display during this process.) If the connection attempt fails, try to establish a connection again.

### Bluetooth® transmission mode

You can change the transmission mode to prioritise transmission quality or sound quality.

#### Preparation

- Press [  ] to select “BLUETOOTH”.
- If a Bluetooth® device is already connected, disconnect it.

#### 1 Press [PLAY MENU] repeatedly to select “Link Mode”.

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

**Mode 1:** Emphasis on connectivity

**Mode 2:** Emphasis on sound quality

#### Note:

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

## Bluetooth® input level

If the sound input level from the Bluetooth® device is too low, change the input level setting.

### Preparation

- Connect a Bluetooth® device.

**1 Press [PLAY MENU] repeatedly to select “Input Level”.**

**2 Press [◀, ▶] to select the level and then press [OK].**  
“Level 0” ↔ “Level +1” ↔ “Level +2”

### Note:

- Select “Level 0” if the sound is distorted.
- The factory default is “Level 0”.

## Disconnecting a Bluetooth® device

**1 While a Bluetooth® device is connected:**

**Press [PLAY MENU] repeatedly to select “Disconnect?”.**

**2 Press [◀, ▶] to select “OK? Yes” and then press [OK].**

### Note:

- You can also disconnect the Bluetooth® device by pressing and holding [ⓧ -PAIRING] on the unit.
- The Bluetooth® device will be disconnected if a different audio source (e.g., “CD”) is selected.

## Bluetooth® standby

When “SC-PMX152” or “SC-PMX150” is selected from a paired Bluetooth® device’s Bluetooth® menu, this unit will turn on automatically from standby mode and establish a Bluetooth® connection.

**1 Press [SETUP] repeatedly to select “BLUETOOTH Standby”.**

**2 Press [◀, ▶] to select “On” and then press [OK].**

### Note:

- To turn the function off, select “Off” in step 2.
- The factory default is “Off”. If this function is set to “On”, the standby power consumption will increase.

## Media information

- Please be aware that Panasonic accepts no responsibility for the loss of data and/or information.

## Compatible iPhone/iPad/iPod

iPhone 7 Plus / iPhone 7 / iPhone SE /  
iPhone 6s Plus / iPhone 6s / iPhone 6 Plus / iPhone 6 /  
iPhone 5s / iPhone 5c / iPhone 5 / iPhone 4s

iPad Pro (9.7-inch and 12.9-inch) / iPad Air 2 /  
iPad Air / iPad (3rd and 4th generation) / iPad 2 /  
iPad mini 4 / iPad mini 3 / iPad mini 2 (iPad mini  
with Retina display) / iPad mini

iPod touch (5th and 6th generation)

iPod nano (7th generation)

(as of March 2017)

- For the latest information, visit  
<http://panasonic.jp/support/global/cs/audio/>  
(This site is in English only.)

### Note:

- Do not connect models not listed in the above. Unexpected behaviour may occur.
- Compatibility depends on the software version. Update your iPhone/iPad/iPod to the latest software before using it with this unit.
- Read the User Guide of the iPhone/iPad/iPod for the operating instructions.

## Compatible USB devices

- This unit does not guarantee connection with all USB devices.
- FAT12, FAT16 and FAT32 file systems are supported.
- This unit supports USB 2.0 High Speed.
- USB devices with storage capacity of more than 32 GB cannot work in some conditions.
- Supported file formats and extensions:  
MP3 (“\*.mp3”), AIFF (“\*.aiff”), FLAC (“\*.flac”),  
WAV (“\*.wav”), AAC (“\*.m4a”), DSD (“\*.dff”, “\*.dsf”)
- Depending on how you create the files, they may not play in the order you numbered them or may not play at all.

### Note:

- Files are defined as tracks and folders are defined as albums.
- This system can access up to:
  - 800 albums (including root folder)
  - 8000 tracks
  - 999 tracks in one album

## Compatible CD

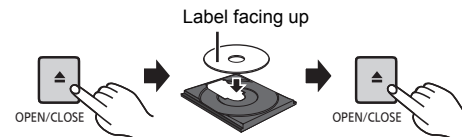
- This system can play back discs that conform to the CD-DA format.
- This system can play back CD-R/RW with CD-DA or MP3 format content.
- The unit may not be able to play some discs due to the condition of the recording.
- Before playback, finalise the disc on the device it was recorded on.
- If the disc includes both MP3 and normal audio data (CD-DA), the unit plays the type recorded in the inner part of the disc.
- This unit cannot play files recorded using packet write.
- Disc must conform to ISO9660 level 1 or 2 (except for extended formats).

### Note:

- 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 (including root folder)
- Recordings will not necessarily be played in the order you recorded them.

## Inserting media

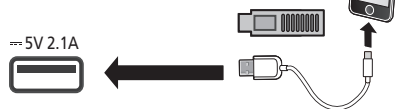
### CD



**Press [CD/USB] repeatedly to select “CD”.**

## iPhone/iPad/iPod or USB device

- Connect only compatible iPhone/iPad/iPod models (⇒ 12). Failure to do so may result in unexpected behaviour.



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

The display will automatically change to "iPod" when a compatible iPhone/iPad/iPod is connected to the port.

### Charging an iPhone/iPad/iPod

During unit on, charging starts when an iPhone/iPad/iPod is connected to this unit.

- After the iPhone/iPad/iPod has started charging, you can turn the unit to standby mode.
- Check the iPhone/iPad/iPod to see if the battery is fully charged. (Once fully charged, remove the iPhone/iPad/iPod.)

#### Note:

- Remove the CD only after it stops rotating.
- When connecting an iPhone/iPad/iPod, use the dedicated USB cable (not supplied).
- Insert the USB device directly. Do not use any USB extension cable.
- Please disconnect the USB device if you finish using.
- Before removing the USB device, select a source other than "USB".

## Media playback controls

The following marks indicate the availability of the feature.

- [CD]**: CD audio in CD-DA format or a CD that contains MP3 files
- [iPod]**: Compatible iPhone/iPad/iPod connected to the USB port.
- [USB]**: USB devices containing MP3/AIFF/FLAC/WAV/AAC/DSD files
- [Bluetooth]**: Connected Bluetooth® device
- [AirPlay]**: When connected to an AirPlay compatible device
- [Network]**: When connected to an AllPlay/DLNA compatible device

### Preparation

- Turn the unit on.
- Insert the media or connect the Bluetooth®/AirPlay/AllPlay/DLNA compatible device.
- Press **[CD/USB]** or **[ ]** to select the audio source.
  - [AirPlay] [Network]**: When this system is selected as the output speakers, the audio source will change to the network source.

### Basic controls

**[CD] [iPod] [USB] [Bluetooth] [AirPlay] [Network]**

<b>Play</b>	Press <b>[▶/  ]</b> .
<b>Stop</b>	Press <b>[■]</b> . <ul style="list-style-type: none"> <li><b>[USB]</b>: The position is memorised and "Resume" is displayed.</li> <li><b>[USB]</b>: Press <b>[■]</b> twice to stop the playback fully.</li> </ul>
<b>Pause</b>	Press <b>[▶/  ]</b> . Press again to continue playback.
<b>Skip</b>	Press <b>[◀◀]</b> or <b>[▶▶]</b> to skip track. (main unit: <b>[◀◀/◀◀]</b> or <b>[▶▶/▶▶]</b> )  <b>[CD] [USB]</b> : Press <b>[▲]</b> or <b>[▼]</b> to skip the MP3/AIFF/FLAC/WAV/AAC/DSD album.
<b>Search</b> (Except <b>[AirPlay]</b> <b>[Network]</b> )	During play or pause Press and hold <b>[◀◀]</b> or <b>[▶▶]</b> . (main unit: <b>[◀◀/◀◀]</b> or <b>[▶▶/▶▶]</b> ) <ul style="list-style-type: none"> <li><b>[iPod]</b>: Backwards search is only within the current track.</li> </ul>

#### Note:

- There will be no sound in search operation when playing DSD files at USB selector.
- To use this unit's remote control with a Bluetooth® device, the Bluetooth® device must support AVRCP (Audio Video Remote Control Profile). Depending on the status of the device, some controls may not work.
- Operation results may vary depending on the iPhone/iPad/iPod models.
- [Network]**: Some controls may not work depending on the app in use, etc.
- [CD] [USB]**: Tracks can be selected by pressing the numeric buttons.

## Viewing available information

**[CD] [USB] [Bluetooth] [AirPlay]**

You can display the track, artist, album name, file type, bit rate, and other information. (The information varies depending on the audio source.)

Press **[DISPLAY]** repeatedly.

e.g. **[USB]** (MP3)

"A□□□": Album number

"T□□□": Track number

("□" stands for a number.)

"📁": Album "🎵": Track

#### Note:

- Maximum characters that can be shown: approximately 32
- This system supports ver. 1 and 2 ID3 tags.
- Text data that the system does not support can show differently.

## Play menu CD USB AirPlay Network

- CD USB: Press [PLAY MENU] to select "Playmode" or "Repeat".  
AirPlay Network: Press [PLAY MENU] to select "Repeat" or "Shuffle".
- Press [◀, ▶] to select the setting and then press [OK].

<span>CD</span> <span>USB</span> : Playmode	
Off Playmode	Cancels the play mode setting.
1-Track	Only plays the selected track. • "1TR" is displayed. (Skip to the desired track.)
1-Album	Only plays the selected MP3/AIFF/FLAC/WAV/AAC/DSD album. • Press [▲] or [▼] to select the MP3/AIFF/FLAC/WAV/AAC/DSD album. • "1ALBUM" is displayed.
Random	Plays the contents randomly. • "RND" is displayed.
1-Album Random	Plays the tracks in the selected MP3/AIFF/FLAC/WAV/AAC/DSD album randomly. • Press [▲] or [▼] to select the MP3/AIFF/FLAC/WAV/AAC/DSD album. • "1ALBUM", "RND" is displayed.
<span>CD</span> <span>USB</span> : Repeat	
On Repeat	Turns on repeat mode. • "↺" is displayed.
Off Repeat	Turns off repeat mode.
<span>AirPlay</span> <span>Network</span>	
Repeat	Refer to the connected device to verify the selected setting.
Shuffle	Refer to the connected device to verify the selected setting.

- Note:**
- During random playback, you cannot skip to tracks which have been played or press the numeric buttons.
  - Playmode function does not work with "Programme playback".
  - The mode is cancelled when you open the disc tray or remove the USB device.

## Programme playback CD USB

This function allows you to programme up to 24 tracks.  
CD (CD-DA)

- Press [PGM, -DEL] in the stop mode.  
"PGM" is shown.
- Press the numeric buttons to select the desired track.  
Do this step again to programme other tracks.
- Press [▶/||] to start playback.  
CD (MP3), USB
- Press [PGM, -DEL] in the stop mode.  
"PGM" is shown.
- Press [▲, ▼] to select the desired album.
- Press [▶▶] and then press the numeric buttons to select the desired track.
- Press [OK].  
Do steps 2 through 4 again to programme other tracks.
- Press [▶/||] to start playback.

Check programme contents	Press [◀◀] or [▶▶] in the stop mode.
Clear the last track	Press and hold [PGM, -DEL] in the stop mode.
Cancel programme mode	Press [PGM, -DEL] in the stop mode. • "PGM" goes off.
Clear all programmed tracks	Press [■] in the stop mode. "Clear All" is shown. Within 5 seconds, press [■] again.

- Note:**
- The programme memory is cleared when you open the disc tray or remove the USB device.

## FM radio

30 FM stations can be preset.

**Preparation**  
Press [RADIO, EXT-IN] repeatedly to select "FM".

### Automatic presetting

- Press [RADIO MENU] to select "Auto Preset".
  - Press [◀, ▶] to select "Lowest" or "Current" frequency.  
**Lowest:**  
To begin auto preset with the lowest frequency ("FM 87.50MHz").  
**Current:**  
To begin auto preset with the current frequency.\*1
  - Press [OK] to start presetting.
    - The tuner starts to preset all the stations it can receive into the channels in ascending order.
 To cancel, press [■].
- \*1: To change the frequency, refer to "Manual tuning and presetting".

### Manual tuning and presetting

- Press [◀◀] or [▶▶] to tune in to the station.
  - Alternatively, press [◀◀/◀◀] or [▶▶/▶▶] on the main unit when "Manual" is selected as the tune mode\*2.
 To tune automatically, press and hold the button until the frequency starts changing quickly.
- Press [PGM, -DEL].
- 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.
- Alternatively, press [◀◀/◀◀] or [▶▶/▶▶] on the main unit when "Preset" is selected as the tune mode\*2.
- \*2: To change the tune mode
- Press [RADIO MENU] repeatedly to select "Tune Mode".
  - Press [◀, ▶] to select "Manual" or "Preset", and then press [OK].



## RDS broadcasting

### (For Continental Europe only)

This system can show the text data transmitted by the radio data system (RDS) available in some areas.

Press **[DISPLAY]** repeatedly.

"PS": Programme service

"PTY": Programme type

"Freq": Frequency

#### Note:

- RDS is available only when stereo works in reception.
- RDS may not be available if reception is poor.

## PMX152 DAB/DAB+

### Preparation

Press **[RADIO, EXT-IN]** repeatedly to select "DAB+".

If you select "DAB+" for the first time, the system will start the "DAB Auto Scan" procedure.

#### Note:

- If no station is detected, "Scan Failed" is shown. Adjust the antenna and try again.

## DAB/DAB+ auto scan

**1 Press [RADIO MENU] to select "Auto Scan" and then press [OK].**

"Start?" is shown.

**2 Press [OK].**

"DAB Auto Scan" is shown.

## DAB/DAB+ manual tuning

To find the best antenna position, use manual tuning to search selected DAB/DAB+ frequency block.

**1 Press [RADIO MENU] repeatedly to select "Manual Scan".**

**2 Press [◀, ▶] to select a frequency block to scan and then press [OK].**

## Memory presetting

You can preset up to 20 DAB/DAB+ stations.

**1 Press [◀◀] or [▶▶] to select a station.**

- Alternatively, press [◀◀/◀◀] or [▶▶/▶▶] on the main unit when "Station" is selected as the tune mode\*1.

**2 Press [PGM, -DEL].**

**3 Press the numeric buttons to select a preset number.**

Do steps 1 through 3 again to preset more stations.

#### Note:

- A station previously stored is overwritten when another station is stored in the same preset number.
- You cannot preset a station when the station is not broadcasting or when you have selected a secondary service.
- Previous station memory is cleared during auto scan.

## Selecting a preset station

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

- Alternatively, press [◀◀/◀◀] or [▶▶/▶▶] on the main unit when "Preset" is selected as the tune mode\*1.

\*1: To change the tune mode

- 1 Press [RADIO MENU] repeatedly to select "Tune Mode".
- 2 Press [◀, ▶] to select "Station" or "Preset", and then press [OK].

## Viewing available information

You can view information about the DAB/DAB+ broadcast, programme type, ensemble label, frequency and time.

Press **[DISPLAY]** to view available information.

## DAB/DAB+ settings

**1 Press [RADIO MENU] repeatedly to select an option.**

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

### DAB Secondary

Primary	To listen to primary service.
Secondary	To listen to secondary services. "◻" is shown.

### Auto Clock Adj

On Adjust	Start auto clock adjustment.
Off Adjust	Cancel auto clock adjustment.

## DAB/DAB+ signal quality

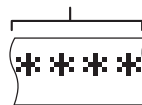
When adjusting the antenna, you can check the reception quality.

**1 Press [RADIO MENU] repeatedly to select "Signal Quality".**

**2 Press [◀, ▶] to select frequency.**

The current frequency block is displayed and then the reception quality is indicated.

Reception quality  
0 (poor) to 8 (excellent)



## Using the auxiliary input

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

### Preparation

Connect the external equipment.

- 1 Press **[RADIO, EXT-IN]** repeatedly to select "AUX".
- 2 Play the external equipment.

## Using the PC input

You can play back music on the PC with this system's speakers by connecting a PC to the PC IN terminal on the main unit.

About supported format, refer to "Specifications" (⇒ 22).

### Before connecting to a PC

Follow the steps below.

- Refer to the following for the recommended OS versions for your PC:
  - Windows 7, Windows 8, Windows 8.1, Windows 10
  - OS X 10.7, 10.8, 10.9, 10.10, 10.11, 10.12

- ① Download and install the dedicated driver to the PC. (Only for Windows OS)  
Download and install the driver from the website below.  
<http://panasonic.jp/support/global/cs/audio/>  
(This site is in English only.)
- ② Download and install the dedicated app "Panasonic Audio Player 2" (free of charge) on your PC. (For Windows OS and OS X)  
Download and install the app from the website below.  
<http://panasonic.jp/support/global/cs/audio/>  
(This site is in English only.)

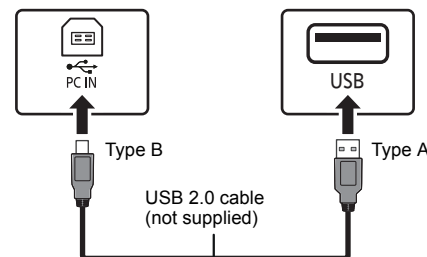
(as of January 2017)

## Listening to audio from a PC

- 1 Disconnect the AC mains lead.
- 2 Connect the main unit and a PC.

Main unit (rear)  
USB-DAC port

PC



- 3 Connect the AC mains lead to the main unit and turn this system on.
- 4 Press **[RADIO, EXT-IN]** repeatedly to select "PC".
- 5 Operate the PC for playback.

### Note:

- When you play back high-resolution audio, it is recommended that you use a compatible USB 2.0 High Speed Cable.

## Sound effects

### Changing the sound quality

- 1 Press **[SOUND]** repeatedly to select a sound effect.
- 2 Press **[◀, ▶]** to select the desired setting.

Bass	-4 to +4
Treble	
Surround	"On Surround" or "Off Surround"
<b>[CD]</b> (CD-DA) CD High Res Re-Master	"On" or "Off".

By main unit only

Turn **[BASS]** or **[TREBLE]** to adjust the level.

## Preset EQ

Press **[PRESET EQ]** repeatedly to select a setting.

Heavy	Adds punch to rock
Soft	For background music
Clear	Clarifies higher frequencies
Vocal	Adds gloss to vocal
Flat	Cancels the sound effect

### Note:

- When "PRESET EQ" is selected, Bass and Treble settings will be changed to the settings in Preset EQ setting.

## D.BASS

This function lets you enjoy a powerful bass effect.

Press **[D.BASS]** to select "On D.Bass" or "Off D.Bass".

## Clock and timers

### Setting the clock

This is a 24-hour clock.

### Using clock information from a network device

You can stream the clock information from the device to this unit by using the app "Panasonic Music Streaming" (⇒ 9).

### Preparation

- Complete the network settings. (⇒ 6)
- Install the app "Panasonic Music Streaming" on your device.
- Connect your device to the same network as this system.

### 1 Turn this system on.

- Check that "**W**" is indicated on the display.
- If it is not indicated, check the network settings. (⇒ 6)

### 2 Start the app "Panasonic Music Streaming".

- Always use the latest version of the app.
- The clock information will be sent to this system.

### Adjusting the clock manually

### 1 Press **[CLOCK/TIMER]** to select "Clock".

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

To check the time

Press **[CLOCK/TIMER]**.

- Reset the clock regularly to maintain accuracy.

## Sleep timer

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

**Press [SLEEP] repeatedly to select the setting (in minutes).**

“30min” → “60min” → “90min” → “120min”  
 ↑ “Off” (Cancel) ↓

**To show the remaining time**

Press [SLEEP].

**Note:**

- The sleep timer can be used together with the play timer.
- The sleep timer always comes first. Be sure not to set an overlap of timers.

## Play timer

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

## Preparation

Set the clock

- 1** Press [CLOCK/TIMER] repeatedly to select "Timer Adjust".
- 2** Press [▲, ▼] to set the starting time ("On Time") and then press [OK].
- 3** Press [▲, ▼] to set the finishing time ("Off Time") and then press [OK].
- 4** Press [▲, ▼] to select the music source\*1 and then press [OK].

### Turning the timer on

- 1 Prepare the selected music source and set the desired volume.
- 2 Press [⏮, PLAY].  
“⏮” is shown.  
To cancel, press [⏮, PLAY] again.  
The system must be switched off for the timer to operate.

### To check the settings

Press [CLOCK/TIMER] repeatedly to select "Timer Adjust".  
(During standby, press [CLOCK/TIMER] twice.)

**Note:**

- The timer starts at a low volume and increases gradually to the preset level.
- The timer comes on at the set time every day if the timer is on.
- If you switch off the system and switch on again while a timer is in operation, the timer will not stop at the end time.

- \*1: "CD", "USB", "DAB+", **(PMX152)**, and "FM" can be set as the music source.
- For timer music source through the port for iPhone/iPad/iPod and USB devices, select "USB".

## Firmware updates

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

You can also update the firmware from a pop-up prompting you to do so on-screen within the app "Panasonic Music Streaming" (⇒ 9). For details on the app, refer to the site below.  
<http://panasonic.jp/support/global/cs/audio/app/>  
(This site is in English only.)



**Downloading takes approx. 10 minutes. DO NOT DISCONNECT the AC mains lead while one of the following messages is displayed.**

- “Updating” or “Upd □□%”  
(“□” stands for a number.)

- During the update process, no other operations can be performed.

## Preparation

- Turn this system on.
- Connect this system to the home network. ( $\Rightarrow$  6)
  - Make sure that the network is connected to the Internet.

- 1 Press [RADIO, EXT-IN] repeatedly to select "NETWORK".
- 2 Press [SETUP] repeatedly to select "FW Update" and then press [OK].
- 3 Press [◀, ▶] to select "OK? Yes" and then press [OK] to start the update.

- Select "OK? No" to cancel the update.
- When the update begins, "Updating" is displayed. The progress is displayed as "Upd %" while updating. ("" stands for a number.)

- 4** After the update has finished, “Success” is displayed.  
Disconnect the AC mains lead and reconnect it after 1 minute.

**Note:**

- If there are no updates, "No Need" is displayed.
- Downloading may take longer or may not work properly depending on the connection environment.

## Checking the firmware version

**Press [SETUP] repeatedly to select “FW Version” and then press [OK].**

The version of the installed firmware is displayed.

- Press [OK] to exit.

## Others

## Auto off function

As a factory default, this unit will turn to standby mode automatically if there is no sound and it is not being used for approximately 20 minutes.

**To cancel this function**

- 1 Press [SETUP] repeatedly to select "Auto Off".
- 2 Press [◀, ▶] to select "Off" and then press [OK].

**Note:**

- To turn the function on, select "On" in step 2.
- This setting cannot be selected when radio is the source or when "Net Standby" is "On".
- If "Net Standby" is set to "On", this function will also be set to "On". To change the setting, set "Net Standby" to "Off".  
(⇒ 18)
- When connected to a Bluetooth® device, the function does not work.

## Network standby

This system can turn on automatically from standby mode when this system is selected as the network device's output speakers.

You can turn the network standby on by the following steps:

- 1 Press [SETUP] repeatedly to select "Net Standby" and then press [OK].
- 2 Press [◀, ▶] to select "On" and then press [OK].

- When "Net Standby" is "On"
  - The network (wired LAN/Wi-Fi) will be active even in standby mode.
  - The power consumption in standby mode will increase.

### To turn off the network standby

Select "Off" in step 2.

- When the system is turned on by this feature, the beginning part of the music may not be played back.
- Depending on the app, the conditions for activating this function may differ.
- The system may not turn on even when selected as the output speakers. In that case, start playback.

## Wireless LAN setting

The wireless LAN function can be enabled or disabled.

- 1 Press [RADIO, EXT-IN] repeatedly to select "NETWORK".
  - 2 Press [SETUP] repeatedly to select "Wireless LAN" and then press [OK].
  - 3 Press [◀, ▶] to select "On" or "Off" and then press [OK].
- The factory default is "On".

## Wi-Fi signal strength

To check the Wi-Fi signal strength where this system is located.

### Preparation

Connect this system to the wireless network. (⇒ 6)

- 1 Press [RADIO, EXT-IN] repeatedly to select "NETWORK".
  - 2 Press [SETUP] repeatedly to select "Signal Level" and then press [OK].
    - "Level □" is indicated on the display. ("□" stands for a number.)
    - Press [OK] to exit this display mode.
- It is recommended to have a signal strength of "3". Change the position or angle of your wireless router or this system if the indication is "2" or "1" and see if the connection improves.
  - If "Level 0" is displayed, this system cannot establish a link with the wireless router. (⇒ 20)

## Wireless network name (SSID)

Display the name for the connected wireless network (SSID).

- 1 Press [RADIO, EXT-IN] repeatedly to select "NETWORK".
  - 2 Press [SETUP] repeatedly to select "Net Info" and then press [OK].
  - 3 Press [◀, ▶] repeatedly to select "SSID" and then press [OK].
    - Press [OK] to exit.
- If "No Connect" is displayed this system is not connected to a wireless network.
  - Characters that cannot be displayed are replaced with "\*".

## IP/MAC Address

To check this system's IP address or the Wi-Fi MAC address.

- 1 Press [RADIO, EXT-IN] repeatedly to select "NETWORK".
- 2 Press [SETUP] repeatedly to select "Net Info" and then press [OK].
- 3 Press [◀, ▶] repeatedly to select "IP Addr." or "MAC Addr." and then press [OK].
  - The IP address or the MAC address is partially displayed.
- 4 Press [◀, ▶] on the remote control to show the rest of the IP address or the MAC address.
  - Press [OK] to exit.
  - The "–" displayed on the top or bottom left of the display indicate the first and last units respectively.

## Network reset

To reset the network settings.

- 1 Press [RADIO, EXT-IN] repeatedly to select "NETWORK".
  - 2 Press [SETUP] repeatedly to select "Net Reset" and then press [OK].
  - 3 Press [◀, ▶] to select "OK? Yes" and then press [OK].
    - Wait for "Network Initializing" to stop scrolling.
    - "WAC Mode" will be indicated on the display.
      - "Method 1" of network setting method is available. (⇒ 6)
      - To exit "WAC Mode", press [■].
- This function does not affect the "Wireless LAN" setting.

## 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.

### Do you have the latest firmware installed?

Panasonic is constantly improving the system's firmware to ensure that our customers are enjoying the latest technology. (⇒ 17)

For further dedicated help, support and advice about your product please visit:

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

(This site is in English only.)

## Common problems

### Cannot turn on the unit.

- After connecting the AC mains lead, wait about 10 seconds before turning on the unit.

### 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.
- Ensure the speaker cables are connected correctly and securely. (⇒ 4)

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

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

### The unit does not work.

- One of the unit's safety devices may have been activated.
  - 1 Press [⏻/I] on the unit to switch the unit to standby.
    - If the unit does not turn off, disconnect the AC mains lead from the AC outlet, reconnect it to the outlet after about 30 seconds. Then wait for about 10 seconds.
  - 2 Press [⏻/I] on the unit to switch it on. If the unit still cannot be operated, consult the dealer.

### Noise is heard.

- During "AUX" mode, when a device is connected to both the AUX IN terminals and the USB port, noise may be generated depending on the device. In this case, remove the USB cable from the USB port.

## 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.

## Radio

### Reception is poor or a beat sound is heard.

- Keep the antenna away from computers, TVs, other cables and cords.
- Use an outdoor antenna.
- Switch off the TV or move it away from the system.

### If noise is excessive during FM reception.

- Change the audio to be output as monaural.
  - 1 Press [RADIO MENU] repeatedly to select "FM Mode".
  - 2 Press [◀ ▶] to select "Mono" and then press [OK].The sound becomes monaural.
  - To cancel, select "Stereo" or change the frequency.In normal circumstances, select "Stereo".

## iPhone/iPad/iPod

### Cannot charge or operate.

- Check that the iPhone/iPad/iPod is connected properly.
- Connect the iPhone/iPad/iPod again or try to restart the iPhone/iPad/iPod.
- During standby mode, charging will not start from the USB cable connection.

Turn this unit on and make sure the charging has started before turning this unit to standby mode.
- The battery of the iPhone/iPad/iPod is depleted.

Charge the iPhone/iPad/iPod, and then operate again.

  - When using the port, turn this unit on. Do not turn this unit off until the iPhone/iPad/iPod becomes operational.

## 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.

### Slow operation of the USB device.

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

### The elapsed time shown is different from the actual play time.

- Transfer the data to another USB device or backup the data and reformat the USB device.

## Bluetooth®

### Pairing cannot be done.

- Check the Bluetooth® device condition.

### The device cannot be connected.

- The pairing of the device was unsuccessful or the registration has been replaced. Try pairing the device again.
- This system might be connected to a different device. Disconnect the other device and try pairing the device again.
- If "Mode 2" is selected in "Link Mode", select "Mode 1". (⇒ 11)
- If the problem persists, turn the unit off and on, then try again.

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

- For some built-in Bluetooth® devices, you have to set the audio output to "SC-PMX152" or "SC-PMX150" manually. Read the operating instructions for the device for details.

### The sound is interrupted.

- The device is out of the 10 m communication range. Bring the Bluetooth® device closer to this system.
- Remove any obstacle between this system and the device.
- Other devices that use the 2.4 GHz frequency band (wireless router, microwaves, cordless phones, etc.) are interfering. Bring the Bluetooth® device closer to this system and distance it from the other devices.
- Select "Mode 1" for stable communication. (⇒ 11)

## PC

### The PC does not recognise this system.

- Check your operating environment. (⇒ 16)
- Restart the PC, turn off and on this system, and then reconnect the USB cable.
- Use another USB port of the connected PC.
- Install the dedicated driver if using a PC with Windows.

### Cannot find music files stored on the PC.

- When you playback music files over a network, those that are not registered to its network server are not displayed. For details, refer to the operating instructions for your server. (⇒ 22)

## Network

### Cannot connect to the network.

- Confirm the network connection and settings. (⇒ 6)
- If the network is set to be invisible, make the network visible while you set up the network for this unit or make a wired LAN connection. (⇒ 8)
- This system's Wi-Fi security supports WPA2™ only. Your wireless router must therefore be WPA2™ compatible. For details on the security supported by your router and how to change the settings, please refer to the operating instructions or contact your Internet service provider.
- Make sure that the multicast function on the wireless router is enabled.
- Depending on the routers, WPS button may not work. Try other methods. (⇒ 6)
- Check the "Wireless LAN" setting. (⇒ 18)

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

- Make sure that the devices are connected to the same network as this system.
- Reconnect the devices to the network.
- Turn the wireless router off and then on.
- Turn this system off and on, and then select this system as the output speakers again.

### Playback does not start.

#### The sound is interrupted.

- Adjust the orientation of the wireless LAN antenna on the rear of the main unit.
- Try to place the speakers further away from the main unit.
- 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 settings using an Internet browser (⇒ 7). On the step 8, make sure to select your network name (SSID) for the 5 GHz band.
- Do not place this system inside a metal cabinet, for it might block the Wi-Fi signal.
- Place this system closer to the wireless router.
- If several wireless devices are simultaneously using the same wireless network as this system, try turning off the other devices or reducing their wireless network usage.
- If the playback stops, check the playback status on the device.
- Reconnect the devices to the network.
- Turn the wireless router off and then on.
- With some iOS and iTunes versions, it may not be possible to restart the AirPlay playback if the selector is changed (e.g., "CD") or this system is turned off, during the AirPlay playback. In this case, select a different device from the AirPlay icon of the Music App or iTunes and then re-select this system as the output speakers. (⇒ 10)
- Try a wired LAN connection. (⇒ 8)

## Main unit displays

"--:--"

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

### "Adjust Clock"

- Clock is not set. Adjust the clock accordingly.

### "Adjust Timer"

- Play timer is not set. Adjust the play timer accordingly.

### "Auto Off"

- The unit has been left unused for about 20 minutes and will shut down in a minute. Press any button to cancel it.

### "Cannot Stream"

- DSD 5.6 MHz file can be played on this system but cannot be streamed to other speakers in the same group.

### "Checking Connection"

- The unit is checking the connected iPhone/iPad/iPod or USB device.
- If this display keeps appearing, make sure that the battery of the iPhone/iPad/iPod is not depleted and that the iPhone/iPad/iPod is turned on and connected correctly.

### "Error"

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

### "F□□" / "F□□" ("□" stands for a number.)

- There is a problem with this unit.  
Disconnect the AC mains lead from the AC outlet, reconnect it to the outlet after about 30 seconds. Wait for about 10 seconds, then turn on the unit. If the problem still persists, disconnect the AC mains lead and consult your dealer.

### "Fail"

- Updating or setting has failed. After turning off the unit, disconnect the AC mains lead from the AC outlet, reconnect it to the outlet after about 30 seconds. Wait for about 10 seconds, then turn on the unit and redo the update.
- The firmware download has failed. Press any button to exit. Please try again later.
- The server cannot be found. Press any button to exit. Make sure that the wireless network is connected to the Internet.

### "Invalid To Preset"

- You cannot preset during Spotify playback.

### "Level 0"

- There is no link between this system and the wireless router. Try the following operations:
  - Check that the wireless router is turned on.
  - Turn this system off and on again.
  - Reset the wireless network settings. (⇒ 6)If the problem persists, consult your dealer.



### “Linking”

- This system is trying to connect to the last connected Bluetooth® device when “BLUETOOTH” is selected.
- This system is communicating with the wireless router to complete the network settings. Depending on the wireless router this process may take a few minutes. Try moving this system closer to the wireless router.

### “Network Initializing”

#### “Setup in Progress, Try Again”

- The system is carrying out an internal process.
  - Wait for approximately 3 minutes.
  - Do not disconnect the AC mains lead. Doing so may cause malfunction.

### “No Connect”

- This system cannot connect to the network. Check the network connection. (⇒ 6)

### “No Device”

- The iPhone/iPad/iPod or USB device is not connected. Examine the connection.
- The battery of the iPhone/iPad/iPod is depleted. Charge the iPhone/iPad/iPod and turn it on before connecting.

### “No Disc”

- You have not put in a disc or put in a disc that the system cannot play.

### “No Play”

- Examine the content. You can only play supported format. (⇒ 22)
- 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 Preset”

- The selected preset channel has not been preset. Preset some channels. (⇒ 10)

### “No Signal” (PMX152)

- This station cannot be received. Check your antenna.

### “Device No Response”

### “Hub Not Supported”

### “Not Supported”

- You have connected an iPhone/iPad/iPod that cannot be played.
- If the iPhone/iPad/iPod is compatible, turn it on and connect it correctly.
- You have connected an unsupported USB device.

### “PC Unlocked”

- “PC” is selected, but a PC is not connected.

### “PGM Full”

- The number of programmed tracks is more than 24.

### “Playerror”

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

### “Please Wait”

- When audio switching needs longer time (e.g., when start/stop re-streaming or group and ungroup with other speakers).

### “Reading”

- The unit is checking the CD information. After this display has disappeared, start operating.
- When starting playback of DSD files, it may take time to read the file. Wait until reading completes.

### “Remote □” (“□” stands for a number.)

- The remote control and this unit are using different codes. Change the code on the remote control.
  - When “Remote 1” is displayed, press and hold [OK] and [1] for at least 4 seconds.
  - When “Remote 2” is displayed, press and hold [OK] and [2] for at least 4 seconds.

### “Scan Failed” (PMX152)

- Stations are not receivable. Check your antenna and try DAB/DAB+ manual tuning.

### “USB Over Current Error”

- The iPhone/iPad/iPod or USB device is drawing too much power. Remove the iPhone/iPad/iPod or USB device. Switch the system off and on again.

### “VBR”

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

### “WAC Mode”

- “Method 1” of network setting method is available. (⇒ 6)
- To exit “WAC Mode”, press [■].

### “Wait”

- This is displayed, for example, when this unit is turning off.
- This is flashing when the system is trying to enter a network setting mode.

### “W” blinks

- This may occur when, for instance, the network connection is interrupted.

## Memory reset (initialisation)

Reset the memory when the following situations occur:

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

### 1 Disconnect the AC mains lead.

Wait 30 seconds before you continue with step 2.

### 2 While you press and hold [⏻/⏮] on the main unit, connect the AC mains lead again.

Keep holding down [⏻/⏮] until “-----” appears on the display.

### 3 Release [⏻/⏮].

The settings are returned to the factory defaults. It is necessary to set the memory items again.

- To reset the network settings, perform the operation for network reset. (⇒ 18)

## Remote control code

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

To set the code to “Remote 2”

### 1 Press [SELECTOR, -NET PRESET] on the main unit to select “CD”.

### 2 Press and hold [■] on the main unit and [2] on the remote control until “Remote 2” is shown.

### 3 Press and hold [OK] and [2] for a minimum of 4 seconds.

- The factory default is “Remote 1”.
- To change the mode back to “Remote 1”, repeat the steps above but replace the button pressed on the remote control from [2] to [1].

## Specifications

### General

<b>Power supply</b>	AC 220 V to 240 V, 50 Hz
<b>Power consumption</b>	45 W
<b>Dimensions (main unit)</b>	(W x H x D) 211 mm x 114 mm x 267 mm
<b>Mass (main unit)</b>	Approx. 3 kg
<b>Operating temperature range</b>	0 °C to +40 °C
<b>Operating humidity range</b>	35% to 80% RH (no condensation)

<b>Power consumption in standby mode</b>	
(When "BLUETOOTH Standby" is "Off")* <sup>1, *2</sup>	0.4 W (approx.)
(When "BLUETOOTH Standby" is "On")* <sup>1, *2</sup>	0.5 W (approx.)
(When in Network standby)* <sup>1</sup>	2 W (approx.)

### Amplifier section

#### RMS output power

Front Ch (both ch driven)	
60 W per channel (3 Ω), 1 kHz, 10% THD	
Total RMS power	120 W

### FM section

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

### DAB section ( **PMX152** )

<b>DAB memories</b>	20 channels
<b>Frequency band (wavelength)</b>	
Band III	5A to 13F (174.928 MHz to 239.200 MHz)
<b>Sensitivity *BER 4x10<sup>-4</sup></b>	
Min requirement	-98 dBm
<b>DAB external antenna terminal</b>	F-Connector (75 Ω)

### Disc section

#### Disc played (8 cm or 12 cm)

CD, CD-R/RW (CD-DA, MP3\*)

#### Pick up

Wavelength	790 nm (CD)
<b>NORSK (NORWAY)</b>	
Bølgelengde	790 nm (CD)
Laserstyrke	Ingen farlig stråling sendes ut

### Terminals section

#### USB Port

USB port power	DC OUT 5 V 2.1 A
USB standard	USB 2.0 High Speed
Media file format support	
MP3* <sup>3</sup> (*.mp3), AIFF (*.aiff), FLAC (*.flac), WAV (*.wav), AAC (*.m4a), DSD (*.dff, *.dsf)	
Audio support format	
MP3*/AAC* <sup>4</sup>	
Sampling frequency	32/44.1/48 kHz
Audio word size	16 bits
Channel count	2 ch
AIFF/FLAC* <sup>5</sup> /WAV	
Sampling frequency	32/44.1/48/88.2/96/176.4/192 kHz
Audio word size	16 bits/24 bits
Channel count	2 ch
DSD	2.8 MHz, 5.6 MHz
USB device file system	FAT12, FAT16, FAT32

#### PC IN (EXT-IN)\*<sup>6</sup>

Terminal Type: USB-B	
USB standard	USB 2.0 High Speed
USB Audio Class specification	
USB Audio Class 2.0, Asynchronous mode	
Audio support format	
LPCM	
Sampling frequency	32/44.1/48/88.2/96/176.4/192 kHz
Audio word size	16 bits/24 bits
Channel count	2 ch
DSD	2.8 MHz, 5.6 MHz

#### Ethernet interface

LAN (10BASE-T/100BASE-TX)	
<b>Headphones</b>	Stereo, 3.5 mm jack
<b>AUX IN (EXT-IN)</b>	Pin jack

### Speaker section

#### Speaker unit(s)

Woofer	14 cm cone type x 1
Tweeter	1.9 cm dome type x 1
Super tweeter	1.2 cm piezoelectric type x 1

#### Impedance

3 Ω

**Dimensions (W x H x D)** 161 mm x 238 mm x 264 mm

**Mass** Approx. 3 kg

### Bluetooth® section

#### Version

Bluetooth® Ver.2.1+EDR

#### Class

Class 2

#### Supported Profiles

A2DP, AVRCP

#### Frequency band

2.4 GHz band FH-SS

#### Operation Distance

10 m Line of sight

#### Supported Codec

AAC, SBC

Wi-Fi/AirPlay section

Wi-Fi

WLAN Standard	IEEE802.11a/b/g/n
Frequency range	2.4 GHz band / 5 GHz band
Security	WPA2™
WPS version	Version 2.0

Audio support format (AllPlay)

MP3 <sup>*3</sup> /AAC	
Sampling frequency	32/44.1/48 kHz
Audio word size	16 bits
Channel count	2 ch
FLAC <sup>*5</sup> /ALAC/WAV	
Sampling frequency	32/44.1/48/88.2/96/176.4/192 kHz
Audio word size	16 bits/24 bits
Channel count	2 ch

Note:

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

- \*1: No device is connected to the USB port before turning to standby mode.
- \*2: Network standby is inactive.
- \*3: MPEG-1 Layer 3, MPEG-2 Layer 3
- \*4: Support profile AAC-LC only.
- \*5: Uncompressed FLAC files may not operate correctly. Support block size from 1152 to 4096.
- \*6: USB-DAC port

FLAC Decoder  
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\* @(#)if\_d.lh 8.1 (Berkeley) 6/10/93  
\* \$FreeBSD: src/sys/net/if\_d.lh,v 1.12 2002/05/07 22:14:06 kbyanc Exp \$  
/

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```
/**
 * file spotify_embedded.h
 * brief The public Spotify Embedded API
 * copyright Copyright 2015 Spotify AB. All rights reserved.
 *
 * Licensed to the Apache Software Foundation (ASF) under one
 * or more contributor license agreements. See the NOTICE file
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 */
```

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## Limited Warranty (ONLY FOR AUSTRALIA)

# Panasonic Warranty

1. The product is warranted for 12 months from the date of purchase. Subject to the conditions of this warranty Panasonic or its Authorised Service Centre will perform necessary service on the product without charge for parts or labour, if in the opinion of Panasonic, the product is found to be faulty within the warranty period.
  2. This warranty only applies to Panasonic products purchased in Australia and sold by Panasonic Australia or its Authorised Distributors or Dealers and only where the products are used and serviced within Australia or its territories. Warranty cover only applies to service carried out by a Panasonic Authorised Service Centre and only if valid proof of purchase is presented when warranty service is requested.
  3. This warranty only applies if the product has been installed and used in accordance with the manufacturer's recommendations (as noted in the operating instructions) under normal use and reasonable care (in the opinion of Panasonic). The warranty covers normal domestic use only and does not cover damage, malfunction or failure resulting from use of incorrect voltages, incorrect installation, accident, misuse, neglect, build-up of dirt or dust, abuse, maladjustment of customer controls, mains supply problems, thunderstorm activity, infestation by insects or vermin, tampering or repair by unauthorised persons (including unauthorised alterations), introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, exposure to abnormally corrosive conditions or any foreign object or matter having entered the product.
  4. This warranty does not cover the following items unless the fault or defect existed at the time of purchase:
    - (a) Cabinet Part(s)
    - (b) Video or Audio Tapes
    - (c) SD cards or USB devices
    - (d) User replaceable Batteries
    - (e) DVD, Blu-ray or Recordable Discs
    - (f) Video / Audio Heads from wear and tear in normal use
    - (g) Information stored on Hard Disk Drive, USB stick or SD card
    - (h) DTV reception issues caused by TV Aerial / Cabling / Wall socket(s)
  5. Some products may be supplied with Ethernet connection hardware. The warranty is limited on such products and will not cover (a) Internet and/or DLNA connection / setup related problems  
(b) Access fees and/or charges incurred for internet connection  
(c) The use of incompatible software or software not specifically stipulated in the product operations manual;  
and  
(d) Any indirect or consequential costs associated with the incorrect use or misuse of the hardware, its connection to the internet or any other device.
  6. To claim warranty service, when required, you should:
    - Telephone Panasonic's Customer Care Centre on 132600 or visit our website referred to below and use the Service Centre Locator for the name/address of the nearest Authorised Service Centre.
    - Send or take the product to a Panasonic Authorised Service Centre together with your proof of purchase receipt as a proof of purchase date. Please note that freight and insurance to and / or from your nearest Authorised Service Centre must be arranged by you.
    - Note that home or pick-up/delivery service is available for the following products in the major metropolitan areas of Australia or the normal operating areas of the nearest Authorised Service Centres:
      - Plasma/LCD televisions / displays (screen size greater than 103 cm)
  7. The warranties hereby conferred do not extend to, and exclude, any costs associated with the installation, de-installation or re-installation of a product, including costs related to the mounting, de-mounting or re-mounting of any screen, (and any other ancillary activities), delivery, handling, freight, transportation or insurance of the product or any part thereof or replacement of and do not extend to, and exclude, any damage or loss occurring by reason of, during, associated with, or related to such installation, de-installation, re-installation or transit.
- Panasonic Authorised Service Centres are located in major metropolitan areas and most regional centres of Australia, however, coverage will vary dependant on product. For advice on exact Authorised Service Centre locations for your product, please telephone our Customer Care Centre on 132600 or visit our website and use the Service Centre Locator.
- In addition to your rights under this warranty, Panasonic products come with consumer guarantees that cannot be excluded under the Australian Consumer Law. If there is a major failure with the product, you can reject the product and elect to have a refund or to have the product replaced or if you wish you may elect to keep the goods and be compensated for the drop in value of the goods. You are also entitled to have the product repaired or replaced if the product fails to be of acceptable quality and the failure does not amount to a major failure.
- If there is a major failure in regard to the product which cannot be remedied then you must notify us within a reasonable period by contacting the Panasonic Customer Care Centre. If the failure in the product is not a major failure then Panasonic may choose to repair or replace the product and will do so in a reasonable period of time from receiving notice from you.

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

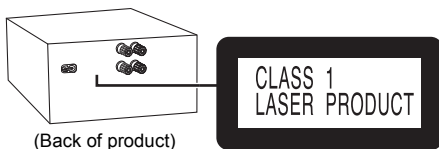
If you require assistance regarding warranty conditions or any other enquiries, please visit the **Panasonic Australia** website [www.panasonic.com.au](http://www.panasonic.com.au) or contact by phone on **132 600**  
*If phoning in, please ensure you have your operating instructions available.*

## Panasonic Australia Pty. Limited

ACN 001 592 187 ABN 83 001 592 187  
1 Innovation Road, Macquarie Park NSW 2113

PRO-031-F11 Issue: 4.0

01-01-2011



(Back of product)

Safety information for customers in Norway

## NORSK

### ADVARSEL!

#### Produkt

- For å redusere faren for brann, elektrisk støt eller skade på apparatet:
  - Dette apparatet må ikke utsettes for regn, fuktighet, drøpp eller sprut.
  - Ikke plasser objekter som er fylt med væske, som vaser, på apparatet.
  - Bruk kun anbefalt tilbehør.
  - Fjern ikke deksler.
  - Dette apparatet må ikke repareres på egen hånd. Overlat servicearbeider til kvalifisert servicepersonell.

### FORSIKTIG!

#### Produkt

- For å redusere faren for brann, elektrisk støt eller skade på apparatet:
  - Ikke plasser apparatet i en bokhylle, et innebygget kabinett eller et annet lukket sted. Pass på at apparatet er godt ventilert.
  - Apparatets ventilasjonsåpninger må ikke dekkes til med aviser, duker, gardiner eller lignende.
  - Plasser ikke åpen ild, slik som levende lys, oppå apparatet.
- Dette apparatet er beregnet for bruk under moderate klimaforhold.
- Nettstøpselet er trukket ut fra denne enheten. Installer denne enheten slik at nettstøpselet umiddelbart kan trekkes fra stikkontakten.
- Dette apparatet anvender en laser. Betjening av kontroller, justeringer eller andre inngrep enn de som er beskrevet i denne bruksanvisning, kan føre til farlig bestråling.

Manufactured by: Panasonic Corporation  
Kadoma, Osaka, Japan  
Importer for Europe: Panasonic Marketing Europe GmbH  
Panasonic Testing Centre  
Winsbergring 15, 22525 Hamburg, Germany



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