

Panasonic®

Owner's Manual

CD Stereo System

Model No. **SC-PMX70**



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

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

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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. This Owner's Manual is applicable to the following system.

System	SC-PMX70
Main unit	SA-PMX70
Speakers	SB-PMX70

IMPORTANT SAFETY INSTRUCTIONS

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

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

- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time. Refer all servicing to qualified service personnel.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



WARNING!

Unit

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

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

Battery

- 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.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

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

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

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

-If you see this symbol-

Information on Disposal in other Countries outside the European Union

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

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

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

This device complies with RSS-210 of the IC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference,
(2) This device must accept any interference received, including interference that may cause undesired operation of this device.

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

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

Maintenance

- To clean this system, wipe with a soft, dry cloth.
- Never use alcohol, paint thinner or benzine to clean this system.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.

Supplied accessories

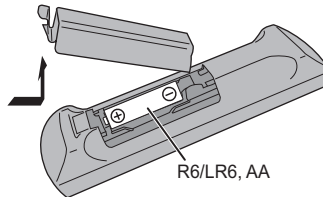
Check and identify the supplied accessories.

- 1 x AC power supply cord (K2CB2CB00022)
- 1 x Remote control (N2QAYB001018)
- 1 x FM indoor antenna (RSAX0002)
- 1 x Remote control battery
- 2 x Speaker cables (REE1713)



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

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 (23 ft) directly in front of the main unit, within an angle of approximately 30° to the left and right.

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:

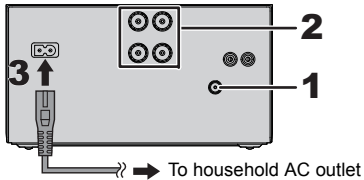
- Keep your speakers more than 10 mm (13/32") from the main unit for ventilation.
- Put the speakers on a flat safe surface.
- These speakers do not have magnetic shielding. Do not put them near TVs, PCs or other equipment easily influenced by magnetism.
- When you play at high levels for a long period, 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

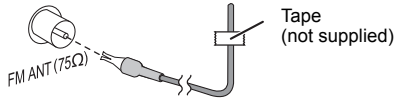
Connect the AC power supply cord only after all the other connections have been made.



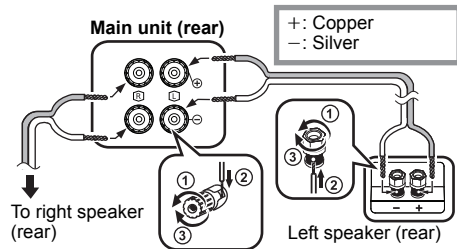
1 Connect the antenna.

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 power supply cord.

Do not use an AC power supply cord with other equipment.

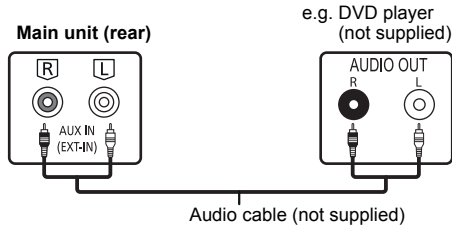
Conserving power

The system consumes a small amount of power (⇒ 13), 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

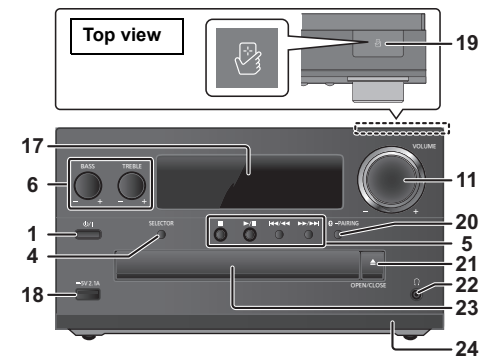
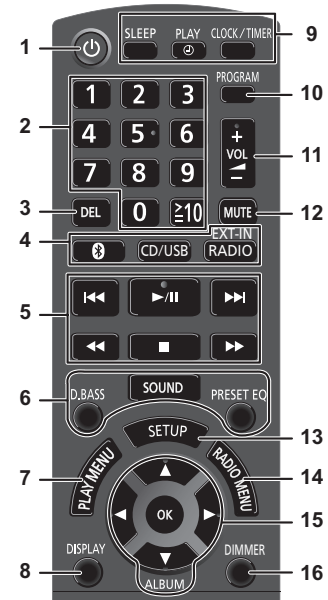
You can connect a VCR, DVD player etc.



Note:

- Disconnect the AC power supply cord 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 (⏻), [⏻/I]

Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

2 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]

3 Delete a programed track

4 Select audio source

On the remote control

[⊗]: "BLUETOOTH"

[CD/USB]: "CD" ↔ "USB"*1

[RADIO, EXT-IN]: "FM" ↔ "AUX"

On the main unit

[SELECTOR]:

"CD" → "BLUETOOTH" → "FM"
↑ "USB"*1 ← "AUX" ←

5 Basic playback control

6 Select the sound effects

7 Set the play menu item

8 View content information

9 Clock and timer operation

10 Set the program function

11 Adjust the volume of the system

12 Mute the sound of the system

Press the button again to cancel.

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

13 Enter setup menu

14 Set the radio menu item

15 Select the option

16 Dim the display panel

Press the button again to cancel.

17 Display panel

18 Port for iPhone/iPad/iPod and USB devices

19 NFC touch area (⇒ 6)

20 Bluetooth®-pairing button

- Press to select "BLUETOOTH" as the audio source.
- Press and hold to enter pairing mode (⇒ 6) or disconnect a Bluetooth® device (⇒ 7).

21 Open or close the disc tray

22 Headphones jack (🔊)

- Plug type: 3.5 mm (1/8") 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

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.

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 (33 ft). The range can decrease depending on the environment, obstacles or interference.

Interference from other devices

- This system may not function properly and troubles such as noise and sound jumps may arise due to radio wave interference if this system is located too close to other Bluetooth® devices or the devices that use the 2.4 GHz band.
- This system may not function properly if radio waves from a nearby broadcasting station, etc. is too strong.

Intended usage

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

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.
- If you intend to use an NFC (Near Field Communication)-compatible Bluetooth® device, proceed to “One-Touch Connection (Connecting by NFC)”.

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 4.

To enter pairing mode*1

2 Press [PLAY MENU] to select “PAIRING”.


3 Press [◀, ▶] to select “OK? YES” and then press [OK].

To pair with a device

4 Select “SC-PMX70” from the Bluetooth® device’s Bluetooth® menu.

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

5 Start playback on the Bluetooth® device.

*1: You can also enter pairing mode by pressing and holding  -[PAIRING] on the unit.

Connecting a paired Bluetooth® device

1 Press to select “BLUETOOTH”.

“READY” is indicated on the display.

2 Select “SC-PMX70” 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.)

One-Touch Connection (Connecting by NFC)

For NFC-compatible Bluetooth® devices (Android™ devices) only

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

Preparation

- Turn on the NFC feature of the device.
- Android device version lower than 4.1 requires the installation of the app “Panasonic Music Streaming” (free of charge).

- 1 Enter “Panasonic Music Streaming” in the search box of Google Play™ to search, and then select “Panasonic Music Streaming”.
- 2 Start the app “Panasonic Music Streaming” on the device.
 - Follow on-screen instructions on your device.
 - Always use the latest version of the app.

1 Press to select “BLUETOOTH”.

2 Touch and hold your device on the NFC touch area of this unit . (→ 4)

Do not move the Bluetooth® device until it beeps, displays a message or reacts in some way. Once the Bluetooth® device has reacted, move the device away from this unit.

- When the registration and connection of the Bluetooth® device is complete, the name of the connected device is indicated on the display for a few seconds.
- The location of the NFC touch area differs depending on the device. When a connection cannot be established even if your Bluetooth® device has touched the NFC touch area of this unit, change the position of the device. The condition may also improve if you download the dedicated app “Panasonic Music Streaming” and start it up.

3 Start playback on the Bluetooth® device.


Note:

- If you touch another device to this unit, you can update the Bluetooth® connection. The previously connected device will be disconnected automatically.
- When the connection is established, playback may start automatically depending on the type of device being used.
- The One-Touch Connection may not work properly depending on the type of device being used.

Bluetooth® transmission mode

You can change the transmission mode to prioritize 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.
- 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-PMX70" 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 6 Plus / iPhone 6 / iPhone 5s / iPhone 5c / iPhone 5 / iPhone 4s / iPhone 4 / iPhone 3GS / iPhone 3G / iPhone

iPad Air 2 / iPad Air / iPad (3rd and 4th generation) / iPad 2 / iPad / iPad mini 3 / iPad mini 2 (iPad mini with Retina display) / iPad mini

iPod touch (1st through 5th generation)

iPod nano (2nd through 7th generation)

(as of December 2014)

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.
- This unit can support USB devices of up to 32 GB.
- Supported file formats and extensions: MP3 ("*.mp3"), AIFF ("*.aiff"), FLAC ("*.flac"), WAV ("*.wav"), AAC ("*.m4a")

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

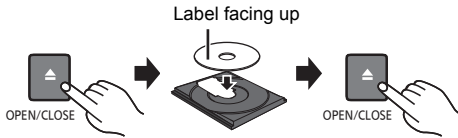
- This system can play back discs that conform to the CD-DA format.
- This system can play back CD-R/RW with CD-DA or MP3 format content.
- Before playback, finalize the disc on the device it was recorded on.
- Disc must conform to ISO9660 level 1 or 2 (except for extended formats).

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

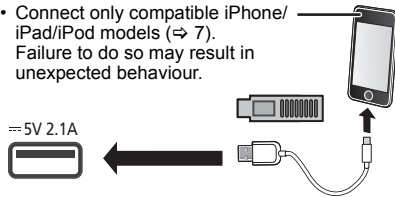
CD



Press [CD/USB] to select “CD”.

iPhone/iPad/iPod or USB device

- Connect only compatible iPhone/iPad/iPod models (⇒ 7). Failure to do so may result in unexpected behaviour.



Press [CD/USB] 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.

- To continue charging from the USB cable connection during standby mode, make sure the iPhone/iPad/iPod has started charging before turning 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.
- 8** 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 and a CD that contains MP3 files
- iPod**: Compatible iPhone/iPad/iPod
- USB**: USB devices containing MP3/AIFF/FLAC/WAV/AAC files
- Bluetooth**: Connected Bluetooth® device

Preparation

- Turn the unit on.
- Insert the media or connect the Bluetooth® device.
- Press [CD/USB] or [] to select the audio source.

Basic controls

Play	Press [▶/].
Stop	Press [■]. • USB : The position is memorized and “RESUME” is displayed. • USB : Press [■] two times to stop the playback fully.
Pause	Press [▶/]. Press again to continue playback.
Skip	Press [◀◀] or [▶▶] to skip track. (main unit: [◀◀/▶▶] or [▶▶/▶▶]) CD USB : Press [▲] or [▼] to skip the MP3/AIFF/FLAC/WAV/AAC album.
Search	During play or pause Press and hold [◀◀] or [▶▶]. (main unit: [◀◀/▶▶] or [▶▶/▶▶]) • iPod : Backwards search is only within the current track.

Note:

- 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.
- **CD** **USB**: Tracks can be selected by pressing the numeric buttons.

Viewing available information

Bluetooth

Press [DISPLAY] repeatedly.

e.g. 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

- 1 Press [PLAY MENU] to select “PLAYMODE” or “REPEAT”.
- 2 Press [◀, ▶] to select the setting and then press [OK].

PLAYMODE

OFF PLAYMODE	Cancels the play mode setting.
1-TRACK	Only plays the selected track. • “1”, “▶” is displayed. (Skip to the desired track.)
1-ALBUM	Only plays the selected MP3/AIFF/FLAC/WAV/AAC album. • “1”, “■” is displayed.
RANDOM	Plays the contents randomly. • “RND” is displayed.
1-ALBUM RANDOM	Plays the tracks in the selected MP3/AIFF/FLAC/WAV/AAC album randomly. • Press [▲] or [▼] to select the MP3/AIFF/FLAC/WAV/AAC album. • “1”, “■”, “RND” is displayed.

REPEAT

ON REPEAT	Turns on repeat mode. • “▶” is displayed.
OFF REPEAT	Turns off repeat mode.

Note:

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

Program playback CD USB

This function allows you to program up to 24 tracks.

CD (CD-DA)

- 1 Press **[PROGRAM]** in the stop mode.
"PROGRAM" is shown for a few seconds.
- 2 Press the numeric buttons to select the desired track.
Do this step again to program other tracks.
- 3 Press **[▶/||]** to start playback.

CD (MP3), USB

- 1 Press **[PROGRAM]** in the stop mode.
"PROGRAM" is shown for a few seconds.
- 2 Press **[▲, ▼]** to select the desired album.
- 3 Press **[▶▶]** and then press the numeric buttons to select the desired track.
- 4 Press **[OK]**.
Do steps 2 through 4 again to program other tracks.
- 5 Press **[▶/||]** to start playback.

Check program contents	Press [◀◀] or [▶▶] in the stop mode.
Clear the last track	Press [DEL] in the stop mode.
Cancel program mode	Press [PROGRAM] in the stop mode. • "PGM OFF" is shown for a few seconds.
Clear all programmed tracks	Press [■] in the stop mode. "CLR ALL" is shown. Within 5 seconds, press [■] again.

Note:

- The program 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

- 1 Press **[RADIO MENU]** to select "A.PRESET".
 - 2 Press **[◀, ▶]** to select "LOWEST" or "CURRENT" frequency.
LOWEST:
To begin auto preset with the lowest frequency (FM 87.9 or FM 87.5).
CURRENT:
To begin auto preset with the current frequency*1.
 - 3 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

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

Selecting a preset station

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

- Alternatively, press **[◀◀/◀◀]** or **[▶▶/▶▶]** on the main unit when "PRESET" is selected as the tune mode*2.

- *2: To change the tune mode
- 1 Press **[RADIO MENU]** repeatedly to select "TUNE MODE".
 - 2 Press **[◀, ▶]** to select "MANUAL" or "PRESET", and then press **[OK]**.

To display the current FM signal status

Press **[DISPLAY]**.

- "FM ST": The FM signal is tuned and in stereo.
"FM - - - -": There is no tuned signal or the FM signal is in monaural.
"FM MONO": "MONO" is selected as the "FM MODE".
(⇒ 11, "If noise is excessive during FM reception.")

Clock and timers

Setting the clock

This is a 12-hour clock.

1 Press [CLOCK/TIMER] to select "CLOCK".

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

To check the time

Press [CLOCK/TIMER].

Note:

- 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).

"SLEEP 30" → "SLEEP 60" → "SLEEP 90" → "SLEEP 120"
↑ "OFF" (Cancel) ↓

Note:

- The remaining time is indicated on the unit's display except when other operations are performed.
- 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 ADJ".

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 ADJ".

(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", 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".

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"

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

D.BASS

This function lets you enjoy a powerful bass effect.

Press [D.BASS] to select "ON D.BASS" or "OFF D.BASS".

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.

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.
- When connected to a Bluetooth® device, the function does not work.

Software update

Occasionally, Panasonic may release updated software for this unit that may add or improve the way a feature operates. These updates are available free of charge. For more details, refer to the following website.

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

Checking the software version

The version of the installed software is displayed.

- Press [SETUP] repeatedly to select "SW VER." and then press [OK].
- Press [OK] to exit.

Troubleshooting

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

Common problems

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 power supply cord 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. Reset the unit as follows:
 - 1 Press [⏻/⏸] on the unit to switch the unit to standby.
 - If the unit does not switch to standby, press [⏻/⏸] on the unit for approximately 10 seconds. The unit is forcibly switched to standby. Alternatively, disconnect the AC power supply cord, wait for at least 3 minutes, then reconnect it.
 - 2 Press [⏻/⏸] 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".

Stations cannot be selected.

- Change the FM frequency step.
 - 1 Press [SELECTOR] repeatedly to select "FM".
 - 2 Press and hold [SELECTOR] on the unit.
- After a few seconds the display changes to show the current lowest frequency. Continue to hold the button down. The lowest frequency changes and the step is changed.

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 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-PMX70" manually. Read the operating instructions for the device for details.

The sound is interrupted.

- The device is out of the 10 m (33 ft) 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. (⇒ 6)

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

- Make sure the unit and the NFC feature of the device are turned on. (⇒ 6)

Main unit displays

"--:--"

- You connected the AC power supply cord 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.

"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.

"DIMMER"

- Appears 10 seconds after the volume is turned to "0".

"ERROR"

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

"F□□" ("□" stands for a number.)

- There is a problem with this unit. Write down the displayed number, disconnect the AC power supply cord and consult your dealer.

"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.
- 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.

"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.

"PGM FULL"

- The number of programmed tracks is more than 24.

"PLAYER ERROR"

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

"READING"

- The unit is checking the CD information. After this display has disappeared, start operating.

"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.

"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.

Memory reset (initialization)

Reset the memory when the following situations occur:

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

1 Disconnect the AC power supply cord.

Wait 3 minutes before you continue with step 2.

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

"-----" is shown.

3 Release [⏻/⏮].

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

Remote control code

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

To set the code to "REMOTE 2"

1 Press [SELECTOR] on the main unit to select "CD".

2 Press and hold [SELECTOR] 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

Power supply	AC 120 V, 60 Hz
Power consumption	44 W
Dimensions (main unit)	(W x H x D) 211 x 114 x 267 mm (8 5/16" x 4 1/2" x 10 1/2")
Mass (main unit)	Approx. 2.8 kg (6.2 lbs)
Operating temperature range	0°C to +40°C (+32 °F to +104 °F)
Operating humidity range	35% to 80% RH (no condensation)

Power consumption in standby mode*1, 2

	0.2 W (approximate)
(When "BLUETOOTH STANDBY" is "ON")*2	0.25 W (approximate)

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	87.9 MHz to 107.9 MHz (200 kHz step) 87.5 MHz to 108.0 MHz (100 kHz step)
Antenna terminals	75 Ω (unbalanced)

Disc section

Disc played (8 cm (3") or 12 cm (5"))	CD, CD-R/RW (CD-DA, MP3*3)
----------------------------------------------	----------------------------

Pick up

Wavelength	790 nm (CD)
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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 (*.mp3), AIFF (*.aiff), FLAC (*.flac), WAV (*.wav), AAC (*.m4a)

Audio Support format

MP3	
Sampling frequency	32/44.1/48 kHz
Audio word size	16 bits
Channel count	2 ch
AIFF/FLAC*/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
AAC*5	
Sampling frequency	32/44.1/48 kHz
Audio word size	16 bits
Channel count	2 ch
USB device file system	FAT12, FAT16, FAT32

Stereo, 3.5 mm (1/8") jack

Headphones

Analog audio input

AUX IN (EXT-IN)	Pin jack
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Speaker section

Speaker unit(s)

Woofer	14 cm (5 1/2") cone type x 1
Tweeter	1.9 cm (3/4") dome type x 1
Super tweeter	1.5 cm (19/32") piezoelectric type x 1

Impedance

Dimensions (W x H x D)	161 mm x 238 mm x 262 mm (6 3/16" x 9 3/8" x 10 5/16")
-------------------------------	-----------------------------------------------------------

Mass

Approx. 2.6 kg (5.7 lbs)

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 (33 ft) Line of sight

Supported Codec

AAC, SBC

Note:

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

*1: "BLUETOOTH STANDBY" is "OFF".

*2: No device is connected to the USB port before turning to standby mode.

*3: MPEG-1 Layer 3, MPEG-2 Layer 3

*4: Uncompressed FLAC files may not operate correctly. Support block size from 1152 to 4096.

*5: Support profile AAC-LC only.

FLAC Decoder

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

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

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

MODEL SC-PMX70
NUMBER _____
SERIAL _____
NUMBER _____

User memo:

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

Limited Warranty

Panasonic Canada Inc.

5770 Ambler Drive, Mississauga, Ontario L4W 2T3

PANASONIC PRODUCT - LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship under normal use and for a period as stated below from the date of original purchase agrees to, at its option either (a) repair your product with new or refurbished parts, (b) replace it with a new or a refurbished equivalent value product, or (c) refund your purchase price. The decision to repair, replace or refund will be made by Panasonic Canada Inc.

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

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

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

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

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

LIMITATIONS AND EXCLUSIONS

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

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

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WARRANTY SERVICE

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

IF YOU SHIP THE PRODUCT TO A SERVICENTRE

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

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