

# Panasonic Basic Owner's Manual

## Blu-ray Disc™ Player

814100231



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

## IMPORTANT SAFETY INSTRUCTIONS

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

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



- 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.

### FCC Note:

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

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

FCC Caution: To assure continued compliance, follow the attached installation instructions and use only shielded interface cables when connecting to peripheral devices. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

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

## 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 the recommended accessories.
  - Do not remove covers.
  - Do not repair this unit by yourself. Refer servicing to qualified service personnel.

#### AC adaptor

The power plug is the disconnecting device. Install this unit so that the power plug can be unplugged from the socket outlet immediately.

#### Small object

Keep the batteries out of reach of children to prevent swallowing.

### CAUTION

#### Unit

- 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.
- Do not place sources of naked flames, such as lighted candles, on this unit.
- Some portions of this unit may become hot during use. When moving or cleaning this unit, disconnect the AC adaptor and wait for 3 minutes or longer.

#### Placement

- 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 the unit on amplifiers/receivers or equipment that may become hot. The heat can damage the unit.

#### Batteries

- Mishandling of batteries can cause electrolyte leakage and may cause a fire.
  - Danger of explosion if battery is incorrectly replaced. Replace only with the type recommended by the manufacturer.
  - When disposing of the batteries, please contact your local authorities or dealer and ask for the correct method of disposal.
  - Do not mix old and new batteries or different types at the same time.
  - Do not heat or expose to flame.
  - Do not leave the battery(ies) in a car exposed to direct sunlight for a long period of time with doors and windows closed.
  - Do not take apart or short circuit.
  - Do not recharge alkaline or manganese batteries.
  - Do not use batteries if the covering has been peeled off.
- Remove batteries if you do not intend to use the remote control for a long period of time. Store in a cool, dark place.

#### Avoid the use in the following conditions

- High or low extreme temperatures during use, storage or transportation.
- Replacement of a battery with an incorrect type.
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
- Extremely high temperature and/or extremely low air pressure that can result in an explosion or the leakage of flammable liquid or gas.

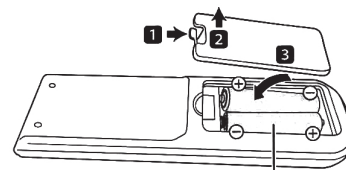
#### AC adaptor

This AC adaptor operates on AC between 110 V and 240 V. But

- In the U.S.A. and Canada, the AC adaptor must be connected to a 120 V AC power supply only.
- When connecting to an AC supply outside of the U.S.A. or Canada, use a plug adaptor to suit the AC outlet configuration.



(Inside of product)



R03/LR03, AAA  
(Alkaline or manganese batteries)

- Insert the batteries to the terminal so that it (+ and –) matches those in the remote control.

(Batteries Not Included)

These may be subject to change.

- Do not use AC adaptor with other equipment.
- Do not use any other AC adaptors except the supplied one.
- Using the remote control

## Accessories

Check the supplied accessories before using this unit.

- Remote control
- AC adaptor

## To dispose or transfer this unit

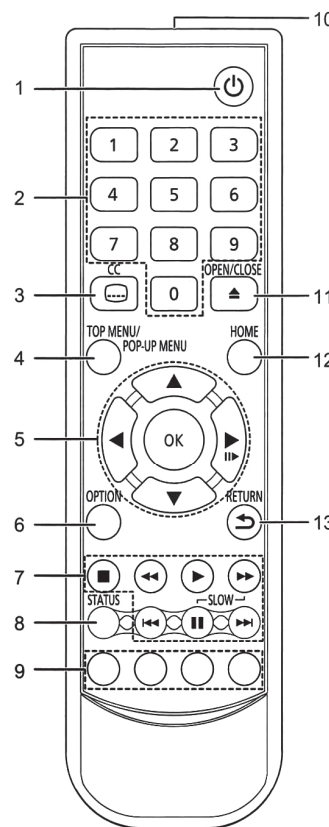
The unit may keep the user settings information in the unit. If you discard this unit either by disposal or transfer, then follow the procedure to return all the settings to the factory presets to delete the user settings.

- ① Turn the unit on.
- ② Press and hold [▲] on the main unit and the [0] on the remote control at the same time for more than 5 seconds. – POWER LED starts to flash, and "00 RET" is displayed on the screen.
- ③ Press [▶] (right) repeatedly on the remote control until "08 FIN" is displayed on the screen.
- ④ Press and hold [OK] for more than 5 seconds.

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

## Control reference guide

### Remote control



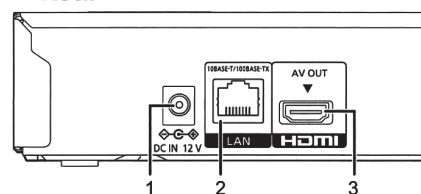
- 1 Turn the unit on and off
- 2 Select title numbers, etc./Enter numbers
- 3 Show Closed Caption setup screen
- 4 Show Top menu/Pop-up menu
- 5 [▲, ▼, ◀, ▶]: Move the highlight for selection  
[OK]: Confirm the selection  
[▶▶]: Frame-by-frame
- 6 Show Option menu
- 7 Basic playback control buttons
- 8 Show the status messages
- 9 Coloured buttons (red, green, yellow, blue) Used for various purposes depending on the screen
- 10 Transmit the remote control signal
- 11 Open or close the disc tray
- 12 Show HOME menu
- 13 Return to previous screen



- When other Panasonic devices respond to this remote control, change the remote control code of other Panasonic devices to other than code 1.

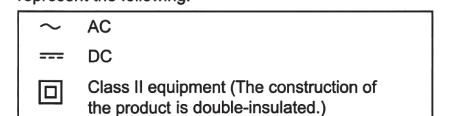
The remote control vary depend of model: The buttons on the remote control may have a different name or location than the remote control shows in this manual.

### Rear

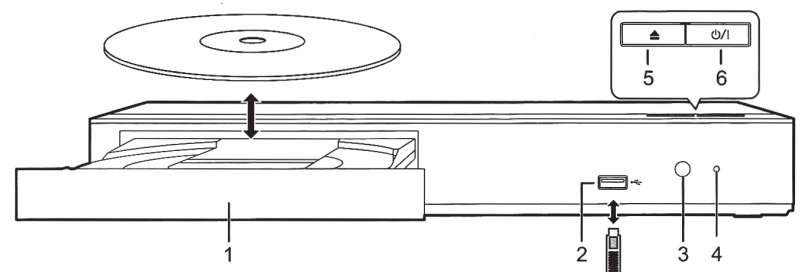


- 1 DC IN (12 V) terminal
- 2 LAN port
- 3 HDMI AV OUT terminal

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



### Front



- 1 Disc tray
- 2 USB port (DC 5 V 500 mA)  
This port supports USB 2.0 High Speed.
- 3 Remote control signal sensor  
Distance: Within approx. 7 m (23 feet)  
Angle: Approx. 20° up and down, 30° left and right
- 4 POWER LED  
The LED lights up when the unit is turned on, and flashes when error occurs.
- 5 Open or close the disc tray
- 6 Standby/on switch (b/l)  
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.

### CAUTION

Do not place objects in front of the unit. The disc tray may collide with objects when it is opened, and this may cause malfunction.



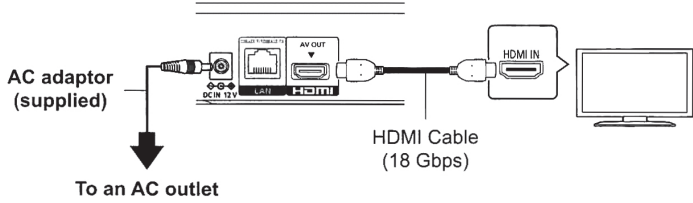
- When inserting a media item, ensure that it is facing the correct way, which is the right side facing up.
- If you connect a Panasonic product with a USB connection cable, the setup screen may be displayed on the connected equipment. For details, refer to the instructions for the connected equipment.

The image shown here is for illustrative purposes only and may be subject to change.

The images shown here are for illustrative purposes only and may be subject to change, the actual descriptions of control panel and their locations may vary depending on the model.

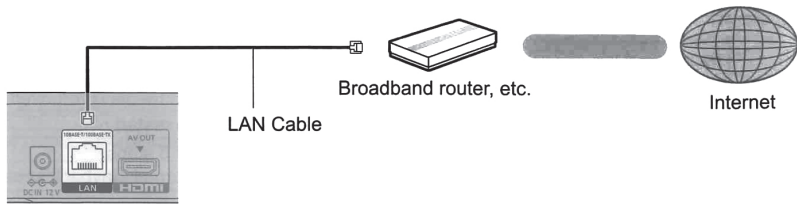
# Quick Start Guide

## STEP 1 : Connecting to a TV



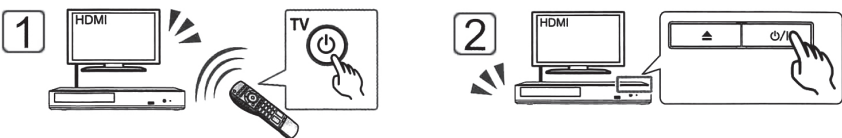
- To enjoy 4K output, you need to connect this unit to a 4K compatible TV.
- To enjoy images in 4K/60p, you need an HDMI cable that supports 18 Gbps. When outputting 1080p or 24p (4K) signal, please use HDMI cables 5.0 meters (16.4 ft.) or less. It is recommended that you use Panasonic's HDMI cable.
- If you connect this unit to a 4K-compatible TV and perform "Easy Setting", 4K/60p will be automatically selected.
- To view Ultra HD Blu-ray content in 4K/HDR format, connect to the HDMI terminal of a device that supports HDCP2.2, 4K/60p (4:4:4), and HDR signals that meet Ultra HD Blu-ray standards.
- This unit consumes a small amount of AC power (≈ 8) even when turned off in standby mode. For the purpose of energy conservation, the unit should be disconnected if you will not be using it for extended period of time.
- The unit is in the standby condition when the AC adaptor is connected. The primary circuit is always "live" as long as the AC adaptor is connected to an electrical outlet.

## STEP 2 : Connecting to a network



Use category 5e or above straight LAN cables (STP) when connecting to peripheral devices.

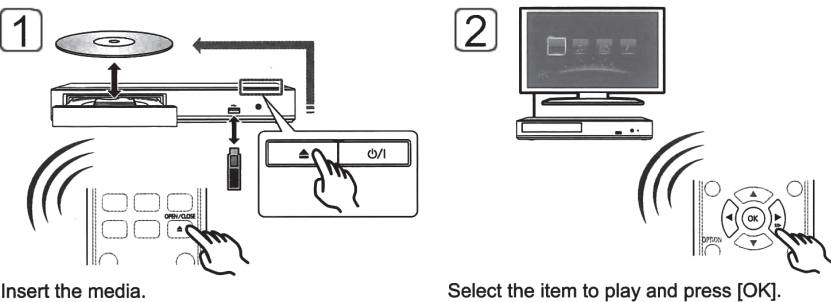
## STEP 3 : Settings



- Turn on the TV and select the appropriate video input.
- Press [O/I]. Follow the on-screen instructions to continue with the settings.

**In your use of internet functions**  
You must agree to the terms of use for the Internet function and the privacy policy.  
[HOME] ⇒ "Setup" ⇒ "Player Settings" ⇒ "Network" ⇒ "Legal Notices"

## STEP 4 : Playback



**Operations during playback**  
Following functions may not work depending on the media and contents.

<b>Stop</b>	Press [■].	The stopping point is memorized. <b>Resume play function</b> Press [▶] to restart from this point. • The point is cleared if the media is removed.
<b>Pause</b>	Press [⏸].	Press [⏸] again or [▶] to restart play.
<b>Search</b>	While playing, press [◀◀] or [▶▶].	The speed increases up to 5 steps. • Press [▶] to revert to normal playback speed.
<b>Slow motion</b>	While paused, press [▶▶].	
<b>Skip</b>	While playing or paused, press [◀◀] or [▶▶].	Skip to the title, chapter or track.

## Playable media

**Ultra HD Blu-ray:** Video  
**BD-Video:** Video  
**BD-RE/BD-RE DL/BD-R/BD-R DL:** Video, MKV, MP4, MPEG2, JPEG, MPO, AAC, AIFF, ALAC, DSD (DFF, DSF), FLAC, MP3, WAV, WMA  
**DVD-Video:** Video  
**DVD-R/DVD-R DL:** Video, AVCHD, MKV, MP4, MPEG2, JPEG, MPO, AAC, AIFF, ALAC, DSD (DFF, DSF), FLAC, MP3, WAV, WMA  
**DVD-RW/+R/+RW/+R DL:** Video, AVCHD  
**Music CD:** Music [CD-DA]  
**CD-R/CD-RW:** MKV, MP4, MPEG2, JPEG, MPO, AAC, AIFF, ALAC, FLAC, MP3, Music [CD-DA], WAV, WMA  
**USB devices (up to 4 TB):** AVCHD, AVCHD 3D, MKV, MP4, MPEG2, JPEG, MPO, AAC, AIFF, ALAC, DSD (DFF, DSF), FLAC, MP3, WAV, WMA

**Region management information**  
The unit can play back BD-Video/DVD-Video discs of the following regions codes, including "ALL":  
Example: BD-Video DVD-Video



- The unit cannot playback DVD-Video discs in PAL format.

## Specifications

<b>Power supply</b>	DC 12 V, 1.5 A (DC IN terminal)
<b>Power consumption</b>	Approx. 12 W
<b>Power consumption in standby mode</b>	Approx. 0.3 W (Quick Start: Off)
<b>Dimensions (W x H x D) including the projecting parts</b>	320 mm x 46 mm x 193 mm (Approx. 12 5/8" x 1 13/16" x 7 5/8")
<b>Mass (Weight)</b>	Approx. 1.2 kg (2.7 lbs)

\* Specifications are subject to change without notice.

## Licenses

This product uses Cinavia technology to limit the use of unauthorized copies of some commercially-produced film and videos and their soundtracks. For details, refer to the operating instructions (PDF format).

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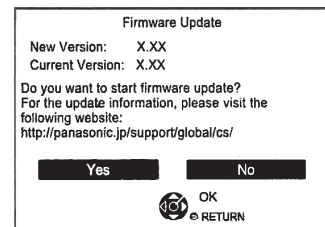
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At least three (3) years from delivery of this product, Panasonic will give to any third party who contacts us at the contact information provided below, for a charge no more than our cost of physically performing source code distribution, a complete machine-readable copy of the corresponding source code covered under GPL V2.0, LGPL V2.1 or the other licenses with the obligation to do so, as well as the respective copyright notice thereof.  
Contact Information: [oss-cd-request@gg.jp.panasonic.com](mailto:oss-cd-request@gg.jp.panasonic.com)  
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- Vorbis, FLAC**  
The software licenses are displayed when "License" in the Setup menu is selected.\*  
\* [HOME] ⇒ "Setup" ⇒ "Player Settings" ⇒ "System" ⇒ "System Information"

## Firmware updates

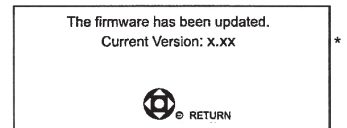
Occasionally, Panasonic may release updated firmware for this unit that may add or improve the way a feature operates. These updates are available free of charge.

This unit is capable of checking the firmware automatically when connected to the Internet via a broadband connection. When a new firmware version is available, the following message is displayed.



Select "Yes" to start downloading the firmware.

You cannot operate the unit until the update is complete. Don't remove the AC adaptor during the update. Removing the AC adaptor while the update is in progress may damage the unit. After the firmware is installed, unit will restart and the following screen will be displayed.



- You can also download the latest firmware from the following website and store it to a USB device to update the firmware.  
<https://panasonic.jp/support/global/cs/>  
(This site is in English only.)  
When the update is complete, turn off and on the unit.
- To show the firmware version on this unit; [HOME] ⇒ "Setup" ⇒ "Player Settings" ⇒ "System" ⇒ "System Information" ⇒ "Firmware Version Information"
- Downloading will require several minutes. It may take longer or may not work properly depending on the connection environment.

\* "X.XX" represents the firmware version number.

The cables mentioned in this guide is not supplied with your unit.

Accessories may vary depending on the model.

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