

# Panasonic<sup>®</sup>

## Basic Owner's Manual Blu-ray Disc™ Player

Model No. **DP-UB820**



**ULTRAHD**™  
*Blu-ray*



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

# 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.



	<b>CAUTION</b> 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.

<p>This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.</p> <p>Contains IC: 216A-TNPA6600</p> <p>5.15-5.25 GHz band is restricted to indoor operations only. High-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.</p> <p>This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules.</p> <p>This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio (SAR). 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).</p>
<p>CAN ICES-3(B)/NMB-3(B)</p>
<p>Certified to CAN/CSA STD C22.2 No.60065.</p>

# 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 power supply cord

The power plug is the disconnecting device.

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

## CAUTION

### Unit

- This unit 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 power supply cord 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.

## Wireless LAN connection

The following limits are in place regarding the usage of this unit. You must be aware of these limits before using this unit. Panasonic will in no way be responsible for any incidental damage which may arise due to a failure to obey these limits, or to any condition of use or disuse of this unit.

- **Data transmitted and received over radio waves may be intercepted and monitored.**
- **This unit contains delicate electronic components.** Please use this unit in the manner in which it was intended and follow the following points:
  - Do not expose this unit to high temperatures or direct sunlight.
  - Do not bend, or subject this unit to strong impacts.
  - Keep this unit away from moisture.
  - Do not disassemble or alter this unit in any way.

## 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 off.
  - ② Press and hold [OK], the yellow button and the blue button on the remote control at the same time for more than 5 seconds.
    - "00 RET" is displayed on the unit's display.
  - ③ Press [▶] (right) repeatedly on the remote control until "08 FIN" is displayed on the unit's display.
  - ④ Press and hold [OK] for more than 5 seconds.
- The operation history may be recorded in the memory of this unit.



(Inside of product)

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# Accessories

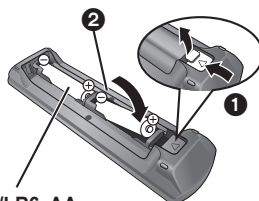
Check the supplied accessories before using this unit.

- 1 Remote control (N2QAYB001157)
- 2 Batteries for remote control
- 1 AC power supply cord (K2CB2YY00092)

The enclosed Canadian French label sheet corresponds to the English display on the unit.



- Product numbers are provided in this Owner's Manual correct as of April 2018. These may be subject to change.
- Do not use AC power supply cord with other equipment.
- Using the remote control



R6/LR6, AA  
(Alkaline or manganese batteries)

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

## Voice Control

For details, refer to  
<http://panasonic.jp/support/global/cs/>



A more detailed owner's manual is available in "Owner's Manual (PDF format)". To read it, download it from the website.

<http://panasonic.jp/support/global/cs/bd/oi/index.html>

You will need Adobe Reader to browse or print the Owner's Manual (PDF format). You can download and install a version of Adobe Reader that you can use with your OS from the following website. (As of April 2018)  
<http://www.adobe.com/products/acrobat/readstep2.html>



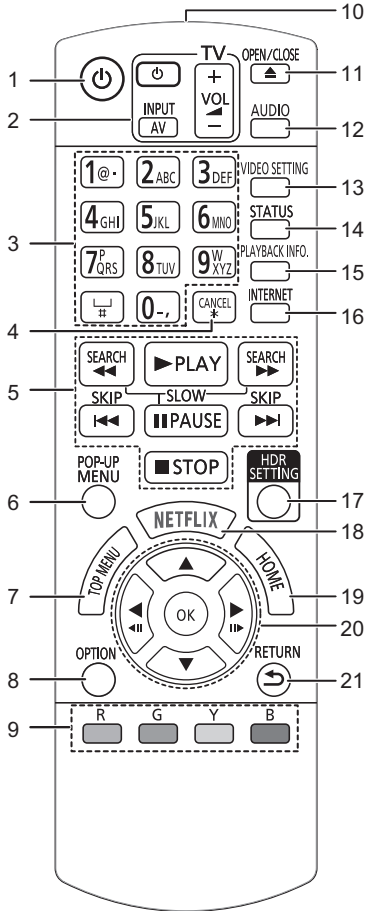
## Firmware updates

Panasonic is constantly improving the unit's firmware to ensure that our customers are enjoying the latest technology. Panasonic recommends updating your firmware as soon as you are notified. For details, refer to "Firmware updates" (⇒ 9).

# Control reference guide

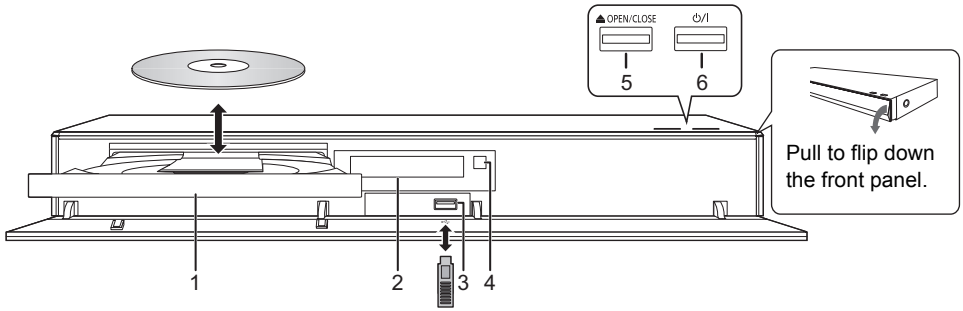
## ■ Remote control

When other Panasonic devices respond to the remote control of the unit, change the remote control code.



- 1 Turn the unit on and off
- 2 TV operation buttons  
You can operate the Panasonic TV using this unit's remote control. Some buttons may not work depending on the TV.
- 3 Select title numbers, etc./Enter numbers or characters
- 4 Cancel  
Clear the currently selected character. (when entering a password for "Ratings" in the Setup menu, for example)
- 5 Basic playback control buttons
- 6 Show Pop-up menu
- 7 Show Top menu
- 8 Show Option menu
- 9 Colored 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 Change soundtrack
- 13 Show "Video Settings"
- 14 Show the status messages
- 15 Show "Playback Information Window"
- 16 Show the Home screen of the Network Service
- 17 Show "HDR Setting"
- 18 Show NETFLIX screen
- 19 Show HOME menu
- 20 [▲, ▼, ◀, ▶] : Move the highlight for selection  
[OK] : Confirm the selection  
(◀■■■)(■■■▶) : Frame-by-frame
- 21 Return to previous screen

## ■ Front



- |   |  |
|---|--|
| <p>1 Disc tray</p> <p>2 Display</p> <p>3 USB port (== DC 5 V 500 mA)<br/>This port supports USB 2.0 High Speed.</p> <p>4 Remote control signal sensor<br/>Distance: Within approx. 7 m (23 feet)<br/>Angle: Approx. 20° up and down, 30° left and right</p> | <p>5 Open or close the disc tray</p> <p>6 <b>Standby/on switch</b> (⏻/⏻)<br/>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.</p> |
|---|--|

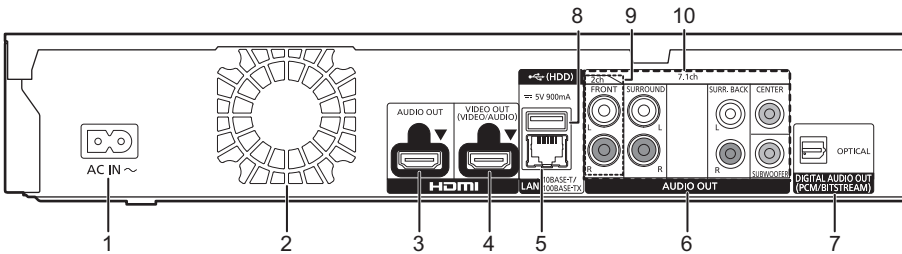
### CAUTION

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.

## ■ Rear

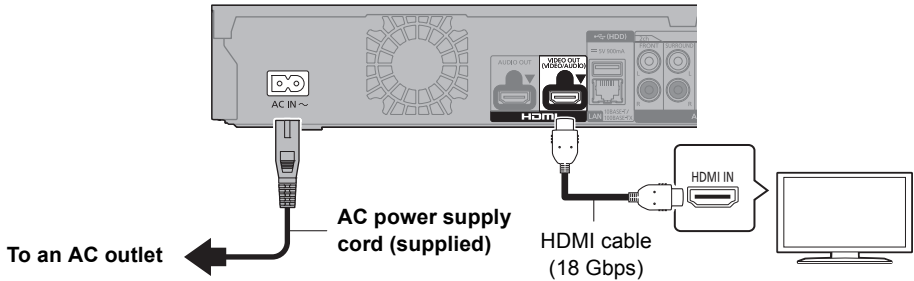


- |  |  |
|--|--|
| <p>1 AC IN (~) terminal</p> <p>2 Cooling fan</p> <p>3 HDMI AUDIO OUT terminal</p> <p>4 HDMI VIDEO OUT terminal</p> <p>5 LAN port</p> <p>6 Analog AUDIO OUT terminals</p> | <p>7 DIGITAL AUDIO OUT terminal<br/>(OPTICAL terminal)</p> <p>8 USB port (HDD) (== DC 5 V 900 mA)<br/>This port supports USB 3.0 Super-Speed.</p> <p>9 2ch AUDIO OUT terminals</p> <p>10 7.1ch AUDIO OUT terminals</p> |
|--|--|

Class II equipment (The construction of the product is double-insulated.)

# Quick Start Guide

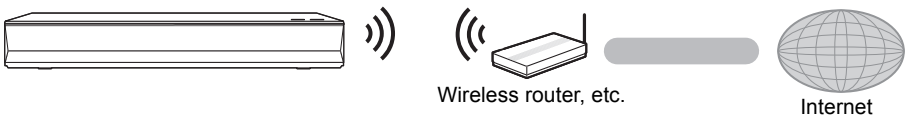
## STEP 1 : Connecting to a TV



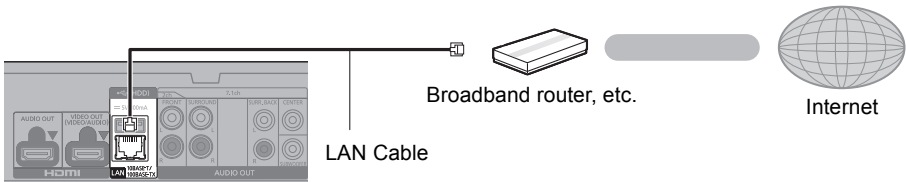
- To enjoy 4K output, you need to connect this unit to a 4K compatible TV.
- To enjoy images in 4K/60p, you need an HDMI cable that supports 18 Gbps. When outputting 1080p or 24p (4K) signal, please use HDMI cables 5.0 meters (16.4 ft.) or less. It is recommended that you use Panasonic's HDMI cable.
- **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 (⇒ 9) 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.

## STEP 2 : Connecting to the network

### ■ Wireless LAN connection

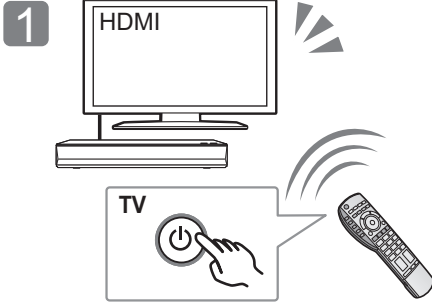


### ■ LAN cable connection

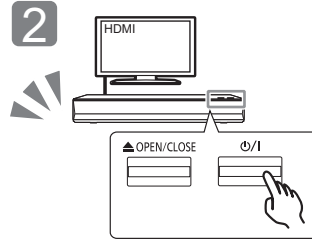


Use category 5 or above straight LAN cables (STP) when connecting to peripheral devices.

## STEP 3 : Settings

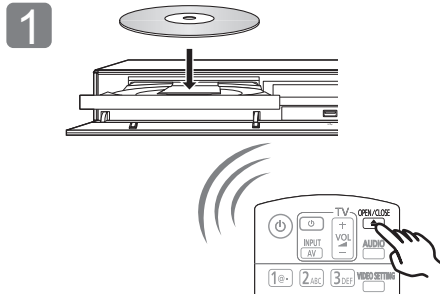


Turn on the TV and select the appropriate video input.

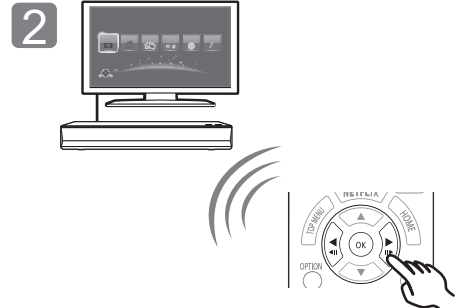


Press [ϕ/I].  
Follow the on-screen instructions to continue with the settings.

## STEP 4 : Playing a disc



Insert the disc.



Select the item to play and press [OK].

## Operating during playback

The following functions may not work depending on the media and contents.

<b>Stop</b>	Press [■STOP].	The stopping point is memorized. <b>Resume play function</b> Press [▶PLAY] to restart from this point. ● The point is cleared if the media is removed.
<b>Pause</b>	Press [⏸PAUSE].	Press [⏸PAUSE] again or [▶PLAY] to restart play.
<b>Search</b>	While playing, press [SEARCH◀◀] or [SEARCH▶▶].	The speed increases up to 5 steps. ● Press [▶PLAY] to revert to normal playback speed.
<b>Slow motion</b>	While paused, press [SEARCH◀◀] or [SEARCH▶▶].	
<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:** Video, JPEG, MPO

**BD-R/BD-R DL:** Video, MKV, JPEG, MPO

**DVD-Video:** Video

**DVD-R/DVD-R DL:** Video, AVCHD, MKV, 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, 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

Power supply	AC 120 V, 60 Hz
Power consumption	Approx. 31 W
Power consumption in quick start standby mode	Approx. 8 W (Quick Start: On)
Power consumption in standby mode	Approx. 0.2 W (Quick Start: Off, Networked Standby: Off)
Dimensions (W×H×D) Including the projecting parts	430 mm×62 mm×208 mm (Approx. 16 15/16"×2 1/2"×8 1/4")
Mass	Approx. 2.4 kg (5.3 lbs)

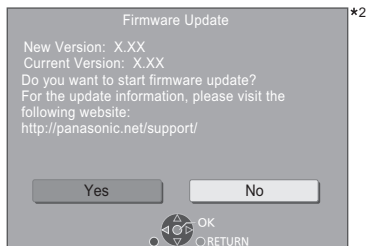
- Specifications are subject to change without notice.

## 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.

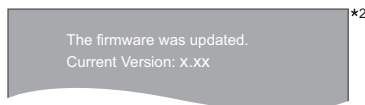
This unit is capable of checking the firmware automatically when connected to the Internet via a broadband connection.\*1

When a new firmware version is available, the following message is displayed.



Select "Yes" to start downloading the firmware. When the firmware update starts after the downloading is finished, a black screen is displayed.

You cannot operate the unit until the update is complete. Don't remove the AC power supply cord during the update. Removing the AC power supply cord 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.  
<http://panasonic.jp/support/global/cs/>  
(This site is in English only.)
- 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.

\*1 You must agree to the terms of use for the Internet function and the privacy policy.  
[HOME] ⇒ "Setup" ⇒ "Player Settings" ⇒ "Network" ⇒ "Legal Notices"

\*2 "X.XX" represents the firmware version number.

# 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 Owner's Manual (PDF format).

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<AVC>

This product is licensed under the AVC Patent Portfolio License for the personal use of a consumer or other uses in which it does not receive remuneration to (i) encode video in compliance with the AVC Standard ("AVC Video") and/or (ii) decode AVC Video that was encoded by a consumer engaged in a personal activity and/or was obtained from a video provider licensed to provide AVC Video. No license is granted or shall be implied for any other use. Additional information may be obtained from MPEG LA, L.L.C. See <http://www.mpegla.com>

<VC-1>

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- (3) the software licensed under the GNU Lesser Public License, Version 2.0 (GPL V2.0),
- (4) the software licensed under the GNU LESSER General Public License, Version 2.1 (LGPL V2.1), and/or
- (5) open source software other than the software licensed under the GPL V2.0 and/or LGPL V2.1.

The software categorized as (3) - (5) are distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY, without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

Please refer to the detailed terms and conditions thereof shown in the Player Settings menu.

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)

The source code and the copyright notice are also available for free in our website below.

<https://panasonic.net/cns/oss/>

## (1) MS/WMA

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This product contains technology subject to certain intellectual property rights of Microsoft. Use or distribution of this technology outside of this product is prohibited without the appropriate license(s) from Microsoft.

## (3) MS/PlayReady/End User Notices

Content owners use Microsoft PlayReady<sup>™</sup> content access technology to protect their intellectual property, including copyrighted content. This device uses PlayReady technology to access PlayReady-protected content and/or WMDRM-protected content. If the device fails to properly enforce restrictions on content usage, content owners may require Microsoft to revoke the device's ability to consume PlayReady-protected content. Revocation should not affect unprotected content or content protected by other content access technologies. Content owners may require you to upgrade PlayReady to access their content. If you decline an upgrade, you will not be able to access content that requires the upgrade.

## (4) Vorbis, FLAC, WPA Supplicant

The software licenses are displayed when "License" in the Setup menu is selected.\*

\* [HOME] ⇒ "Setup" ⇒ "Player Settings" ⇒ "System" ⇒ "System Information"



# 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

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

### WARRANTY SERVICE

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

### **IF YOU SHIP THE PRODUCT TO A SERVICENTRE**

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

The model number and serial number of this product can be found on either the back or the bottom of the unit. Please note them in the space provided below and keep for future reference.	
MODEL NUMBER _____	DP-UB820 _____
SERIAL NUMBER _____	_____

### **User memo:**

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

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**Panasonic Canada Inc.**

5770 Ambler Drive, Mississauga, Ontario,  
L4W 2T3

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