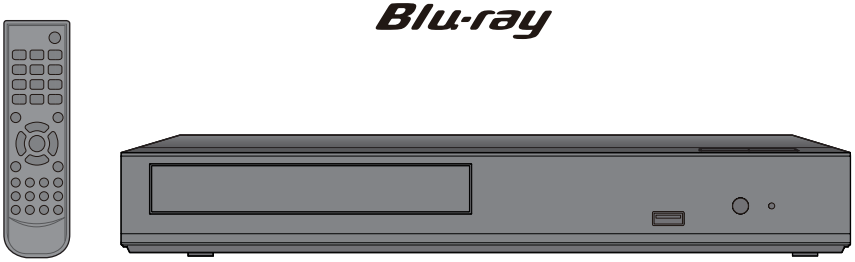
Panasonic

Basic Operating Instructions

Blu-ray Disc™ Player

Model No. **DP-UB450**
DP-UB159
DP-UB150



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

Model number suffix “EB” denotes UK model.

EB

TQBS0316

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.
- Do not let metal objects fall inside this unit.
- Do not place heavy items on this unit.

AC adaptor

To reduce the risk of fire, electric shock or product damage,

- Ensure that the power supply voltage corresponds to the voltage printed on this unit.
- Insert the mains plug fully into the socket outlet.
- Do not pull, bend, or place heavy items on the lead.
- Do not handle the plug with wet hands.
- Hold onto the mains plug body when disconnecting the plug.
- Do not use a damaged mains plug or socket outlet.

The mains plug is the disconnecting device.

Install this unit so that the mains 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.
- This unit may receive radio interference caused by mobile telephones during use. If such interference occurs, please increase separation between this unit and the mobile telephone.
- This unit is intended for use in moderate climates.
- Some portions of this unit may become hot during use.

When moving or cleaning this unit, disconnect the AC mains lead and wait for 3 minutes or longer.

Placement

Place this unit on an even surface.

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.
- Do not expose this unit to direct sunlight, high temperatures, high humidity, and excessive vibration.

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.

AC adaptor

The AC adaptor operates on AC between 110 V and 240 V.

But obtain a suitable plug adaptor if the plug does not fit the AC mains socket.

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



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

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

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

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

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



Note for the battery symbol (bottom symbol):

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

Table of contents

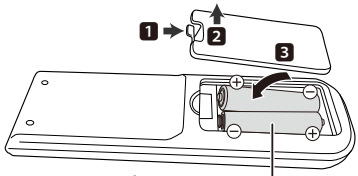
Precautions. 2
Accessories 3
Control reference guide 4
Quick Start Guide 6
Specifications 8
Licenses 9

Accessories

Check the supplied accessories before using this unit.

1 Remote control
(N2QAYA000205)
2 Batteries for remote control
1 AC adaptor
(TXH0009DA)

- Product numbers are provided in these operating instructions correct as of February 2019.
  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**



R03/LR03, AAA
(Alkaline or manganese batteries)

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

A more detailed operating instruction is available in "Operating Instructions (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 Operating Instructions (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 February 2019)
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" (⇨ 8).

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.

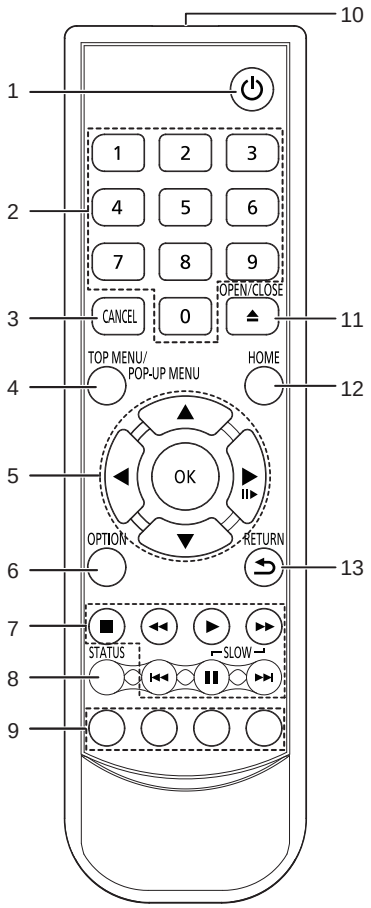
- The operation history may be recorded in the memory of this unit.

PRIVACY POLICY (excerpt)

Panasonic Corporation, a company having its registered office of 1006, Oaza Kadoma, Kadoma City, Osaka 571-8501, Japan, automatically collects personal data such as IP address and/or Device ID from your device as soon as you connect it to the Internet. We do this to protect our customers and the integrity of our Service as well as to protect the rights or property of Panasonic.
You have a right of access, rectification and objection to in certain circumstances, a right of erasure, restriction of processing, data portability and a right to object to other forms of processing. If you wish to exercise any of the above rights and/or wish to know more about the processing of your personal data in this context, please refer to the full text of our privacy policy displayed at the support page of your device, http://av.jpn.support.panasonic.com/support/global/cs/bd/privacy/ or contact our customer communications/support number or address described in the Pan European Guarantee included in your device box to send you the full text of our privacy policy.

Control reference guide

■ Remote control

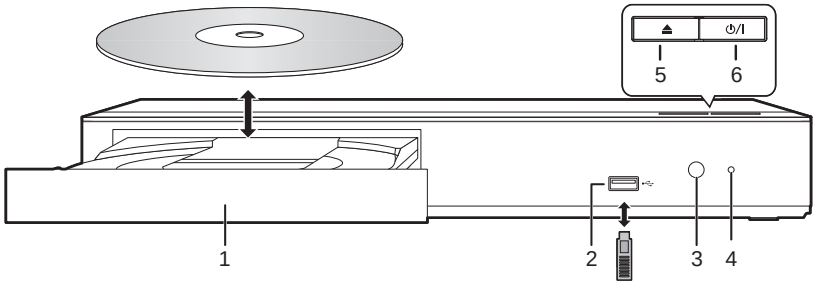


1 Turn the unit on and off
2 Select title numbers, etc./Enter numbers
3 Cancel
4 Show Top menu/Pop-up menu
5 [▲, ▼, ◄, ►] : Move the highlight for selection
[OK] : Confirm the selection
(❚❚►) : Frame-by-frame
6 Show Option menu
7 Basic playback control buttons
8 Show the status messages
9 Coloured buttons (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.

■ Front

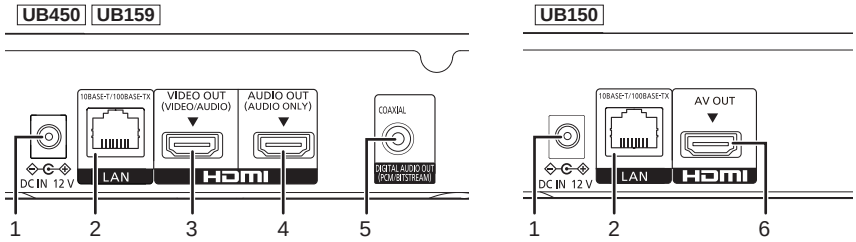


1 Disc tray
2 USB port (DC 5 V 500 mA)
This port supports USB 2.0 High Speed.
3 Remote control signal sensor
Distance: Within approx. 7 m
Angle: Approx. 20° up and down, 30° left and right
4 POWER LED
The LED lights up when the unit is turned on, and flashes when error occurs.
5 Open or close the disc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

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



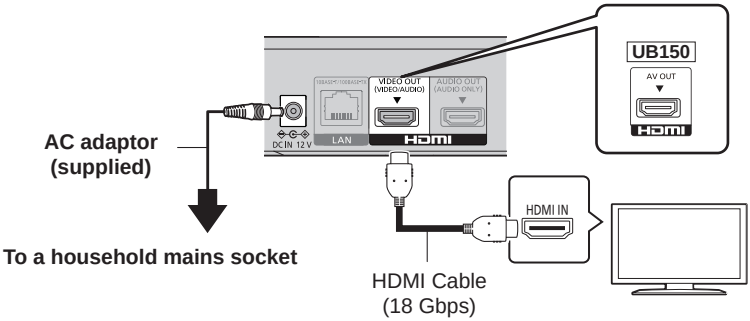
1 DC IN (12 V) terminal
2 LAN port
3 **UB450** **UB159**
HDMI VIDEO OUT terminal
4 **UB450** **UB159**
HDMI AUDIO OUT terminal
(Outputs digital audio signal only)
5 **UB450** **UB159**
DIGITAL AUDIO OUT terminal (COAXIAL terminal)
6 **UB150**
HDMI AV OUT terminal

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

~	AC
⎓	DC
⧈	Class II equipment (The construction of the product is double-insulated.)

Quick Start Guide

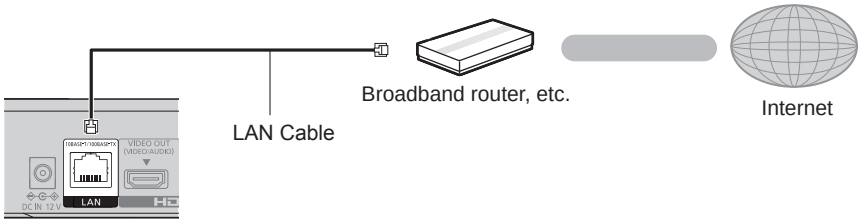
STEP 1 : Connecting to a TV



- To enjoy 4K output, you need to connect this unit to a 4K compatible TV.
- To enjoy images in 4K (50p/60p), you need an HDMI cable that supports 18 Gbps. When outputting 1080p or 24p (4K) signal, please use HDMI cables 5.0 meters 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 Settings", 4K (50p/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 (50p/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

■ LAN cable connection

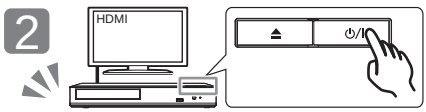


- Use category 5e or above straight LAN cables (STP) when connecting to peripheral devices.

STEP 3 : Settings



Turn on the TV and select the appropriate video input.

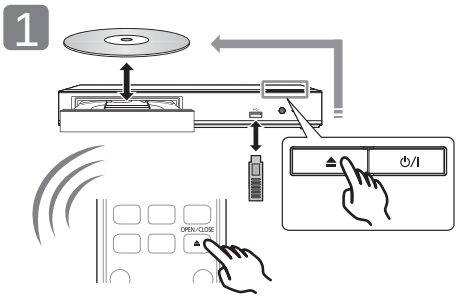


Press [⏻/I].
Follow the on-screen instructions to continue with the settings.

In your use of internet functions

Your use of internet-enabled functions and software updates must follow the rules set forth in the “Terms and Conditions of Use”. Please review “Terms and Conditions of Use” and “Privacy Policy” carefully and confirm your understanding of “Privacy Policy” and agreement to the “Terms and Conditions of Use” by checking the box and select “OK”.
[HOME] ⇨ “Setup” ⇨ “Player Settings” ⇨ “Network” ⇨ “Legal Notices”

STEP 4 : Playback



Insert the media.



Select the item to play and press [OK].

Operations during playback

Following functions may not work depending on the media and contents.

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





Specifications

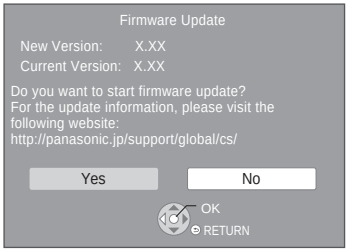
Power supply	**DC 12 V, 1.5 A** (DC IN terminal)
Power consumption	UB450 UB159 **Approx. 13 W** UB150 **Approx. 12 W**
Power consumption in standby mode	**Approx. 0.3 W** (Quick Start: Off)
Dimensions (W x H x D) Including the projecting parts	UB450 UB159 320 mm x 46 mm x 198 mm UB150 320 mm x 46 mm x 193 mm
Mass	Approx. 1.2 kg

- 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.

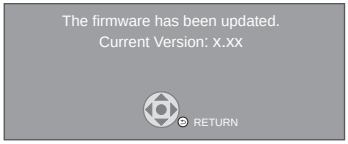
This unit is capable of checking the firmware automatically when connected to the Internet via a broadband connection.
When a new firmware version is available, the following message is displayed.



*

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.**
  http://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.

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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See http://www.mpegla.com
<VC-1>
This product is licensed under the VC-1 Patent Portfolio License for the personal and non-commercial use of a consumer to (i) encode video in compliance with the VC-1 Standard (“VC-1 Video”) and/or (ii) decode VC-1 Video that was encoded by a consumer engaged in a personal and non-commercial activity and/or was obtained from a video provider licensed to provide VC-1 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

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(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
The source code and the copyright notice are also available for free in our website below.
https://panasonic.net/cns/oss/

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(1) MS/WMA
This product is protected by certain intellectual property rights of Microsoft Corporation and third parties. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft or an authorized Microsoft subsidiary and third parties.
(2) MS/PlayReady/Final Product Labeling
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™ 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
The software licenses are displayed when “Software Licence” in the Setup menu is selected.*

* [HOME] ⇨ “Setup” ⇨ “Player Settings” ⇨ “System” ⇨ “System Information”


DOLBY
AUDIO


DOLBY
VISION


dts-HD
Master Audio


Java
POWERED

Sales and Support Information

Customer Communications Centre

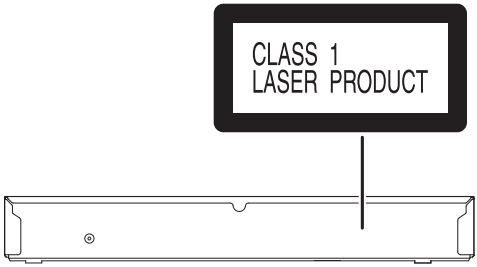
- For customers within the UK: 0344 844 3899
- For customers within Ireland: 01 289 8333
- Monday–Friday 9:00 am – 5:00 pm (Excluding public holidays).
- For further support on your product, please visit our website: www.panasonic.co.uk

Direct Sales at Panasonic UK

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



(Inside of product)



(Back of product)

EU



Manufactured by: Panasonic Corporation
Kadoma, Osaka, Japan

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

Panasonic Corporation
Web Site: http://www.panasonic.com

En

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