## **Option menu**

Optional playback operations and settings are available from this menu.

Available options differ depending on the playing contents and the condition of the unit.

Settings of the items with this indication are saved by the respective users registered in the Home menu.

Please refer to page 15 for details about user registration and switching.

#### 1 Press [OPTION].

#### e.g., BD-Video



2 Select an item and change the settings according to the indications.

# To exit the screen Press [OPTION].

Regarding Language : (⇒ 31)

#### **Operation Menu**

#### Soundtrack

Show or change the soundtrack.

#### Audio channel

Select the audio channel number. (⇔ 16, "Changing audio")

#### Subtitles

Turn the subtitle on/off, and change the language depending on the media.

#### Subtitle Settings

Make the subtitle settings.

#### Angle

Select the number of the angle.

#### **Repeat Play**

(Only when the elapsed time is being displayed on the unit's display.) Select the item which you want to repeat. The items displayed differ depending on the type of media.

Select "Off" to cancel.

#### Random

Select whether or not to play random.

#### Start Slideshow

Start the slideshow.

#### Status

Show the still picture properties.

#### **Rotate Right**

Rotate Left Rotate the still picture.

#### Wallpaper

Set the still picture to the wallpaper of HOME screen. ( $\Rightarrow$  14)

#### lcon

Set the still picture to the icon of HOME menu. ( $\Rightarrow$  15)



Playback



#### Video

The recording method of original video appears.

#### **Primary Video**

The recording method of original video appears.

#### Secondary Video Settings

Video	Select on/off of images. The recording method of original video appears.
Soundtrack	Select on/off of audio and the language.

#### Top Menu

Display Top Menu.

#### Pop-up Menu

Display Pop-up Menu.

Menu

Display Menu.

#### **Picture Settings**

#### Picture Mode 🕔

Select the picture quality mode during play.

• If you select "User", you can make settings in "Picture Adjustment".

#### Picture Adjustment 🖤

Specific picuture quality settings can be performed.

#### Progressive

Select the method of conversion for progressive output to suit the type of material being played.

• When the content is distorted change the settings from "Auto" to "Video".

#### **Reset to Default Picture Settings**

Return video settings to the factory preset.



## Setup menu

Change the unit's settings if necessary. The settings remain intact even if you switch the unit to standby.

Settings of the items with this indication are saved by the respective users registered in the Home menu.

Please refer to page 15 for details about user registration and switching.

#### 1 Press [SETUP].



# 2 Select an item and change the settings according to the indications.

#### To exit the screen Press [SETUP].

#### **Picture Settings**

Picture Mode Ŵ (⇒ 22)

Picture Adjustment Ѿ (⇒ 22)

#### **HDMI Output**

#### **HDMI Resolution**

The items supported by the connected devices are indicated on the screen as "\*". When any item without "\*" is selected, the images may be distorted.

- If "Auto" is selected, automatically selects the output resolution best suited to the connected television.
- To enjoy high-definition video up-converted to 1080p, you need to connect the unit directly to 1080p compatible HDTV (High Definition Television). If this unit is connected to an HDTV through other equipment, it must also be 1080p compatible.

#### 24p Output

When this unit is connected to a TV supporting 1080/24p output using an HDMI cable, movies and other material recorded at 24p are output at 24p.

- When playing DVD-Video, set to "On".
- When BD-Video images other than 24p are played, images are output at 60p.
- 24p : A progressive image recorded at a rate of 24 frames per second (motion-picture film). Many BD-Video movie contents are recorded in 24 frames/second in accordance with the film materials.

#### Deep Color Output

This setting is for selecting whether to use Deep Color output when a television that supports Deep Color is connected.

#### Contents Type Flag

Depending on the playback content, the TV will output adjusting to the optimal method when a TV that supports this function is connected.

#### **Black Level Control**

Select lighter or darker for adjusting the black level control to the desired setting for picture enhancement.

#### **Audio Settings**

#### Digital Audio Output

Press [OK] to show the following settings:

#### Dolby D/Dolby D +/Dolby TrueHD DTS/DTS-HD

Select the audio signal to output.

- Select "PCM", when the connected equipment cannot decode the respective audio format. This unit decodes the audio format and transmits to the connected equipment.
- Not making the proper settings may result in noise.

#### BD-Video Secondary Audio

Select whether to mix or not mix the primary audio and secondary audio (including the button click sound). (⇔ 17) If "Off" is selected, the unit outputs the primary audio only.

VOT3V18 23



Settings

#### HDMI Audio Output

This setting selects whether or not to output audio from HDMI.

#### Downmix

Select the downmix system of multi-channel to 2-channel sound.

- Select "Surround encoded", when the connected equipment supports the virtual surround function.
- There is no effect on "Bitstream" via HDMI AV OUT and DIGITAL AUDIO OUT.
- The audio will be output in "Stereo" in the following cases:
  - AVCHD playback
  - Playback of secondary audio (including the button click sound).

#### Language

#### Audio Language

Choose the language for audio.

- If "Original" is selected, the original language of each disc will be selected.
- Enter a code (⇒ 31) with the number buttons when you select "Other \*\*\*\*".

#### Subtitle Language

Choose the language for the subtitle.

- If "Automatic" is selected and the language selected for "Audio Language" is not available, subtitles of that language will automatically appear if available on that disc.
- Enter a code (⇒ 31) with the number buttons when you select "Other \*\*\*\*".

#### Menu Language

Choose the language for the disc menus.

• Enter a code (⇔ 31) with the number buttons when you select "Other \*\*\*\*".

#### Subtitle Text

Select a suitable item according to the language used for MKV subtitles text.

• This item is displayed only after playing back a file.

#### **On-screen Language**

Choose the language for menus and on-screen messages.

#### Network

Easy Network Setting (⇒ 11)

#### **Network Settings**

Perform network-related settings individually. Press [OK] to show the following settings:

#### LAN Connection Mode

Select the LAN connection method.

#### Wireless Settings

This allows the Wireless router and connection settings to be set and the current connection settings and connection state to be checked when a wireless connection is used.

#### **Connection Setting**

The Wireless router connection wizard will be displayed.

#### **Double Speed Mode Setting (2.4GHz)**

When a 2.4 GHz wireless format is used, this setting sets the connection speed.

 If you connect using the "Double Speed Mode (40MHz)", 2 channels use the same frequency band, and there is consequently a greater risk of reception interference. This can cause the connection speed to drop or the connection to become unstable.

#### IP Address/DNS Settings

This is for checking the state of the network connection and setting the IP address and DNS-related.

Press [OK] to show the respective setting.

 "Connection Speed Setting" is enabled only when "Auto Detect Connection Speed" is turned "Off".

#### Proxy Server Settings

This is for checking the state of connection with the Proxy server and performing settings. Press [OK] to show the respective setting.

#### Internet Content Settings (⇒ 18) (Network Service)

Press [OK] to show the following settings:

# ---

#### Audio Auto Gain Control

Volume that is different depending on the contents is adjusted automatically to the standard volume while using the Network Service.

- Depending on contents, this function effect will not work.
- Select "Off" when the audio is warped.

#### Time Zone

By selecting the time zone, it is possible to set the unit's time to match your location.

 Some Network Service contents require the time zone to be set. Set the time zone if necessary.

#### DST

Select "On" when using Daylight Saving time.

#### Network Drive Connection

It is possible to access the shared folder of equipment not compatible with DLNA, such as the Windows XP operating system, and play back video, still pictures, and music on this unit. For the setting and operation method of connected equipment, refer to the following Website. http://panasonic.jp/support/global/cs/ (This site is in English only.)

#### Remote Device Settings (⇒ 19)

Press [OK] to show the following settings:

#### **Remote Device Operation**

Enable to operate by DMC.

• If "On" is selected, "Quick Start" is fixed to "On".

#### Setting Unit Name

Set the name of this unit to be displayed on the connected equipment.

#### **Registration Type**

Automatic	Allow connection to all the equipment that is accessing this unit.
Manual	Set the permission of the connection individually for the equipment that is accessing this unit.

#### Remote Device List

Registering/deregistering of the displayed equipment can be performed when "Manual" in "Registration Type" is selected.

#### BD-Live Internet Access (⇒ 17)

You can restrict Internet access when BD-Live functions are used.

 If "Allow (Limited)" is selected, Internet access is permitted only for BD-Live contents which have content owner certificates.

#### Ratings

The following items use the same password. Don't forget your password.

#### **DVD-Video Ratings**

Set a ratings level to limit DVD-Video play.

#### **BD-Video Ratings**

Set an age limit of BD-Video play.

#### Internet Content Lock

You can restrict the usage of Network Service.

#### **System Settings**

#### Easy Setting

You can execute basic settings.

#### **TV Settings**

#### TV Aspect

Set to match the type of television connected. When connected to a 4:3 aspect television and playing 16:9 ratio image:

4:3 Pan & Scan	The sides are cut off so the picture fills the screen. When playing BD-Video, video is output as "4:3 Letterbox".	Settings
4:3 Letterbox	Black bands appear at the top and bottom of the picture.	

When connected to a 16:9 widescreen television and playing 4:3 ratio image:

16:9	Video is displayed as a 4:3 ratio image in the center of the screen.
16:9 Full	Video is displayed as a horizontally stretched 16:9 image.

#### **Screen Saver Function**

This is to prevent burn-in on the screen.

- When this is set to "On": If there is no operation for 10 minutes or more, Direct Navigator screen switches to HOME menu automatically.
- While playing and pausing, etc., this function is not available.

#### Status Messages

Choose whether to show status messages automatically.

#### VIERA Link

Set to use "HDAVI Control" function when connected with an HDMI cable to a device that supports "HDAVI Control".

• Select "Off" when you do not want to use "HDAVI Control".

#### **Unit Settings**

#### **Mixed Data Disc Option**

Select the playback contents on discs with both data files and Video.

- If "MP3/JPEG/MKV" is selected, the video menu function is unavailable.
- If "BDAV/AVCHD" is selected, data file cannot be played back.

#### **Front Panel Display**

Changes the brightness of the unit's display.

 If "Auto" is selected the display is dimmed during playback and bright not during playback.

#### **Edit User Information**

Change the user information registered in the Home menu.

#### Quick Start

Speed of startup from power off is increased.

- Internal control unit will be powered when it is set to "On" so compared to when the setting is "Off" the following will occur.
  - Idle power consumption will increase. (about the power consumption ⇒ 33)

#### **Remote Control Code**

Change the remote control code if other Panasonic products react to this remote control.

Firmware Update (⇒ 13)

Press [OK] to show the following settings:

#### Automatic Update Check

When this equipment remains connected to the Internet, it will check for the latest firmware version when it is turned on and you can update it if necessary.

#### Update Now

You can update the firmware manually if a firmware update is available.

#### System Information

#### License

Information about the software used by this unit is displayed.

#### Software version

Display firmware version of this unit and wireless LAN module.

#### **Restore Default Settings**

This returns all values in the Setup menu and the Option menu, except for "Remote Control Code", "On-screen Language", "LAN Connection Mode", "Wireless Settings", "IP Address/DNS Settings", "Proxy Server Settings", "Internet Content Lock", "DVD-Video Ratings" and "BD-Video Ratings" etc. to the default settings.

26 VQT3V18

## Troubleshooting guide

Before requesting service, please perform the following steps.

**Do you have the latest firmware installed?** Firmware updates may be released to correct operating irregularities that are discovered with certain movies. ( $\Rightarrow$  13)

## Make the following checks and visit our website for more information. For USA :

www.panasonic.com/help

Enter the model number.

For Canada :

http://www.panasonic.ca

.

## Or visit our website to find a service center.

You can find a service center near you easily on our website.

#### Other support information:

"Customer Services Directory (United States and Puerto Rico)" (⇔ 37) or "Limited Warranty (Only for CANADA)" (⇔ 38).

## The following do not indicate a problem with this unit:

- Regular disc rotating sounds.
- Image disturbance during search.

#### Unit doesn't respond to remote control or front panel buttons.

Press and hold [POWER O/I] on the main unit for 3 seconds.

 If still unable to power the unit off, disconnect the power cord, wait 1 minute, then reconnect the power cord.

#### Cannot eject disc.

The unit may have a problem.

- While the unit is off, press and hold [OK], [B] and [Y] on the remote control at the same time for more than 5 seconds.
- "00 RET" is displayed on the unit's display.
- ② Repeatedly press [▶] (right) on the remote control or [POWER ⊕/I] on the unit until "06 FTO" is displayed on the unit's display.
- ③ Press [OK] on the remote control or [▲ OPEN/CLOSE] on the unit.

#### **General operation**

#### To return to the factory preset.

➢ Select "Yes" in "Restore Default Settings" in the Setup menu. (⇒ 26)

#### To return all settings to the factory preset.

- Reset the unit as follows:
- While the unit is off, press and hold [OK], [B] and [Y] on the remote control at the same time for more than 5 seconds.
  - "00 RET" is displayed on the unit's display.
- ② Repeatedly press [►] (right) on the remote control or [POWER ⓓ/I] on the unit until "08 FIN" is displayed on the unit's display.
- ③ Press and hold [OK] on the remote control or [▲ OPEN/CLOSE] on the unit for at least 3 seconds.

#### The remote control doesn't work properly.

- Change the batteries in the remote control.
   (\$\Rightarrow 7)
- ➤ The remote control and main unit are using different codes. If "SET □" is displayed on the unit's display when a button is pressed on the remote control, change the code on the remote control. (⇒ 26, 30)

# The TV tuner mode is not displayed when the TV is switched on.

- This phenomenon may occur, depending on the TV setting, when "Quick Start" is set to "On".
- Depending on the TV, this phenomenon may be prevented by reconnecting the HDMI cable to a different HDMI input terminal or by changing the HDMI auto connection setting.

#### You have forgotten your ratings password. You want to cancel the ratings level.

- The ratings level returns to the factory preset.
- While the unit is on, press and hold [OK], [B] and [Y] on the remote control at the same time for more than 5 seconds.
   - "00 RET" is displayed on the unit's display.
- ② Repeatedly press [▶] (right) on the remote control or [POWER ⊕/I] on the unit until "03 VL" is displayed on the unit's display.
- ③ Press [OK] on the remote control or [▲ OPEN/CLOSE] on the unit.
  - VQT3V18 **27**

Settings

# This unit does not recognize the USB connection correctly.

- If USB device is connected to this unit while playing a disc the connection will not be recognized. Press [HOME] and reconnect USB device.
- BD77 : USB memory and USB HDD are not recognized via the rear USB port of this unit.
- Disconnect and reconnect the USB cable. If it still does not recognize the connection, turn the power of this unit off and on again.
- USB devices connected using a USB extension cable other than the supplied with the Wireless LAN Adaptor DY-WL10 (optional) BD77 or a USB hub may not be recognized by this unit.
- If you connect USB HDD to this unit, use USB extension cable that is supplied with the HDD.
- BD77 : If two USB memory and USB HDD are connected simultaneously, they will not be recognized by this unit.

### Picture

# The images from this unit do not appear on the television.

#### Picture is distorted.

- An incorrect resolution is selected in "HDMI Resolution". Reset the setting as follows:
- While the unit is on, press and hold [OK], [B] and [Y] on the remote control at the same time for more than 5 seconds.
  - "00 RET" is displayed on the unit's display.
- ② Repeatedly press [►] (right) on the remote control or [POWER <sup>(b)</sup>/I] on the unit until "04 PRG" is displayed on the unit's display.
- ③ Press and hold [OK] on the remote control or [▲ OPEN/CLOSE] on the unit for at least 3 seconds.

Set the item again. (⇒ 23)

 When Dolby Digital Plus, Dolby TrueHD, and DTS-HD audio are not output in bitstream, select "Yes" in "Restore Default Settings" and make proper settings. (⇔ 26)

#### Video is not output in high-definition.

 Confirm that "HDMI Resolution" in the Setup menu is set properly. (\$23)

#### No subtitles.

When progressive output is on, closed captions/subtitles cannot be displayed.

## The subtitles overlap closed captions recorded on discs.

➤ Turn off the subtitles or turn off the closed caption setting on the TV. (⇒ 21)

# A black band is displayed around the edge of the screen.

#### The aspect ratio of the screen is abnormal.

- ➤ Confirm the "TV Aspect" is set properly. (⇒ 25)
- Adjust the aspect setting on the television.

#### Audio

#### Cannot hear the desired audio type.

- Check the connections and the "Digital Audio Output" settings. (⇒ 8, 23)
- To output audio from a device connected with an HDMI cable, set "HDMI Audio Output" to "On" in the Setup menu. (\$24)

#### Playback

#### Disc cannot be played.

> The disc is dirty.  $(\Rightarrow 4)$ 

# Still pictures (JPEG) do not play back normally.

The images that were edited on the PC, such as Progressive JPEG, etc., may not play back.

#### I can't play back BD-Live.

- ➤ Confirm that this unit is connected to the broadband Internet. (⇒ 9)
- ➤ Confirm the "BD-Live Internet Access" settings. (⇒ 25)
- Confirm a USB device is inserted into the USB port. (\$ 14)

28 VQT3V18



#### I can't connect to the network.

- Confirm the network connection and settings.
   (\$9, 11, 24)
- Check the operating instructions for each device and connect accordingly.

#### When using Wireless LAN connection, video from the DLNA Certified media server is not played back or video frames are dropped during playback.

- Higher transfer rate router such as 802.11n (2.4 GHz) Wireless router may solve the problem. If you use 802.11n (2.4 GHz) Wireless router, it is necessary to set the encryption type to "AES". Simultaneous use with a microwave, cordless telephone etc. at 2.4 GHz may result in connection interruptions or other problems.
- ➢ On the "Wireless Settings" screen (⇒ 24), the continuous lighting of at least 4 "Reception" indicators is the target for a stable connection. If 3 or fewer indicators are lit or the connection is being interrupted, change the position or angle of your Wireless router and see if the connection state improves. If there is no improvement, connect to a wired network and perform the "Network Easy Setting" (⇒ 11) again.

## Messages

The following messages or service numbers appear on the television or unit's display when something unusual is detected.

#### On the television

#### Cannot play.

You inserted an incompatible disc (Discs recorded in PAL video, etc.).

#### Cannot display on this unit.

You tried to play a non-compatible image.

#### No disc is inserted.

The disc may be upside down.

#### ○ This operation is not available.

- Some operations are unsupported by the unit.
   For example;
- BD-Video: During playback, reverse slow-motion or reverse frame-by-frame is not possible.

#### IP address is not set.

The "IP Address" in "IP Address/DNS Settings" is "---. ---.". Set the "IP Address", "Subnet Mask", and "Default Gateway". (Select the automatic address acquisition if necessary.)

# The current settings only offer minimal wireless access point security and low performance. It is recommended to change it for better security.

Authentication type for the Wireless LAN is set to "Open system", or the encryption type is set to "No encryption". It is recommended to encrypt for safety reasons. For details, refer to the instructions of the Wireless router being used. Encryption is required when playing back video, etc., from DLNA compatible devices.

Settings

#### On the unit's display

#### F99

The unit fails to operate properly. Press [POWER U/I] on the main unit for 3 seconds to switch the unit to standby, then switch back on.

#### HDMI ONLY

Some BD-Video discs can only be output with HDMI.

#### NET

While connecting to a network.

#### No PLAY

There is a viewing restriction on a BD-Video or DVD-Video. (\$25)

#### No READ

The media is dirty or badly scratched. The unit cannot play.

#### PLEASE WAIT

The unit is carrying out an internal process. This is not a malfunction. You cannot operate the unit while "PLEASE WAIT" is displayed.

#### REMOVE

The USB device is drawing too much power. Remove the USB device.

#### SET $\Box$ (" $\Box$ " stands for a number.)

The remote control and main unit are using different codes. Change the code on the remote control.

Press and hold [OK] and the indicated number button at the same time for more than 5 seconds.



#### U59

The unit is hot.

The unit switches to standby for safety reasons. Wait for about 30 minutes until the message disappears.

Select a position with good ventilation when installing the unit. Do not block the ventilation hole on the side of the unit.

#### H□□ or F□□

- (" 🗌 " stands for a number.)
- There is something unusual.
- Check the unit using the troubleshooting guide. If the service number remains displayed, do the following.
- Disconnect the plug from the AC outlet, wait a few seconds, then reconnect it.
- ② Press [POWER 0/I] to turn the power on.

If the service number remains displayed despite doing the above, request service from the dealer. Inform the dealer of the service number when requesting service.

#### START

The system is being restarted during the firmware update. Please do not turn off the unit.

#### UPD□/□

- ("  $\Box$  " stands for a number.)
- The firmware is being updated. Please do not turn off the unit.

#### FINISH

The firmware update is complete.

# Supplemental information

Language code list

4

### Display languages list

Display	Language	Display	Language	Display	Language
ENG	English	JPN	Japanese	ARA	Arabic
FRA	French	CHI	Chinese	HIN	Hindi
DEU	German	KOR	Korean	PER	Persian
ITA	Italian	MAL	Malay	IND	Indonesian
ESP	Spanish	VIE	Vietnamese	MRI	Maori
NLD	Dutch	THA	Thai	BUL	Bulgarian
SVE	Swedish	POL	Polish	RUM	Romanian
NOR	Norwegian	CES	Czech	GRE	Greek
DAN	Danish	SLK	Slovak	TUR	Turkish
POR	Portuguese	HUN	Hungarian	*	Others
RUS	Russian	FIN	Finnish		

## ■ Unit's display list

This list only contains displays that are difficult to read.

Display	Reading	Display	Reading
695	BYE	OPEn	OPEN
r E R d	READ	PLAY	PLAY
SEOP	STOP	SELUP	SETUP
nEt	NET	F99	F99
noPLAY	No PLAY	noUPdŁ	No UPDATE
SEŁ 2	SET □*	Seare	START
UPd 1-5	UPD⊡-5*	F In ISH	FINISH
SE ILLP	STILLP	P-L 15E	P-LIST
SL IdE	SLIDE	rEPERE	REPEAT
nod ISC	No DISC	noPLAY	No PLAY
norEAd	No READ	UnLOC	UNLOCK
Եգ-Դ	BD-J	d 15C	DISC
	UNSUPPORT		

\* " 🗌 " stands for a number.

-	-				
Language	Code	Language (	Code	Language (	Code
Abkhazian:	6566	Gujarati:	7185	Rhaeto-Roman	ce:
Afar:	6565	Hausa:	7265		8277
Afrikaans:	6570	Hebrew:	7387	Romanian:	8279
Albanian:	8381	Hindi:	7273	Russian:	8285
Amharic:	6577	Hungarian:	7285	Samoan:	8377
Arabic:	6582	Icelandic:	7383	Sanskrit:	8365
Armenian:	7289	Indonesian:	7378	Scots Gaelic:	7168
Assamese:	6583	Interlingua:	7365	Serbian:	8382
Aymara:	6589	Irish:	7165	Serbo-Croatian	: 8372
Azerbaijani:	6590	Italian:	7384	Shona:	8378
Bashkir:	6665	Japanese:	7465	Sindhi:	8368
Basque:	6985	Javanese:	7487	Singhalese:	8373
Bengali; Bangla	a:	Kannada:	7578	Slovak:	8375
	6678	Kashmiri:	7583	Slovenian:	8376
Bhutani:	6890	Kazakh:	7575	Somali:	8379
Bihari:	6672	Kirghiz:	7589	Spanish:	6983
Breton:	6682	Korean:	7579	Sundanese:	8385
Bulgarian:	6671	Kurdish:	7585	Swahili:	8387
Burmese:	7789	Laotian:	7679	Swedish:	8386
Byelorussian:	6669	Latin:	7665	Tagalog:	8476
Cambodian:	7577	Latvian, Lettish:	7686	Tajik:	8471
Catalan:	6765	Lingala:	7678	Tamil:	8465
Chinese:	9072	Lithuanian:	7684	Tatar:	8484
Corsican:	6779	Macedonian:	7775	Telugu:	8469
Croatian:	7282	Malagasy:	7771	Thai:	8472
Czech:	6783	Malay:	7783	Tibetan:	6679
Danish:	6865	Malayalam:	7776	Tigrinya:	8473
Dutch:	7876	Maltese:	7784	Tonga:	8479
English:	6978	Maori:	7773	Turkish:	8482
Esperanto:	6979	Marathi:	7782	Turkmen:	8475
Estonian:	6984	Moldavian:	7779	Twi:	8487
Faroese:	7079	Mongolian:	7778	Ukrainian:	8575
Fiji:	7074	Nauru:	7865	Urdu:	8582
Finnish:	7073	Nepali:	7869	Uzbek:	8590
French:	7082	Norwegian:	7879	Vietnamese:	8673
Frisian:	7089	Oriya:	7982	Volapük:	8679
Galician:	7176	Pashto, Pushto:	8083	Welsh:	6789
Georgian:	7565	Persian:	7065	Wolof:	8779
German:	6869	Polish:	8076	Xhosa:	8872
Greek:	6976	Portuguese:	8084	Yiddish:	7473
Greenlandic:	7576	Punjabi:	8065	Yoruba:	8979
Guarani:	7178	Quechua:	8185	Zulu:	9085



VQT3V18 **31** 

# 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.

- Read these instructions.
- Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions
- 5 Do not use this apparatus near water.
- Clean only with dry cloth. 6
- 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.





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.



intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## 2

**VOT3V18** 

#### **BD87**

#### THE FOLLOWING APPLIES IN THE U.S.A. AND CANADA

This device complies with Part 15 of FCC Rules and RSS-Gen of IC Rules.

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 this device. Contains FCC ID: ZVABDDMPBD87 Contains IC: 9976A-DMPBD87

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

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it 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 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles)

#### THE FOLLOWING APPLIES ONLY IN THE U.S.A. 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. ٠
- 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.

Responsible Party:

Panasonic Corporation of North America One Panasonic Way, Secaucus, NJ 07094

Support Contact:

Panasonic Consumer Electronics Company Telephone No.: 1-800-211-PANA (7262)

#### THE FOLLOWING APPLIES ONLY IN CANADA.

This Class B digital apparatus complies with Canadian ICES-003.

# IMPORTANTES MISES EN GARDE

Avant d'utiliser l'appareil, lire attentivement les instructions qui suivent. Se conformer tout particulièrement aux avertissements inscrits sur l'appareil et aux consignes de sécurité indiquées ci-dessous. Conserver le présent manuel pour consultation ultérieure.

- 1 Lire attentivement ces instructions.
- 2 Conserver ces instructions.
- 3 Lire toutes les mises en garde.
- 4 Suivre toutes les instructions.
- 5 Ne pas utiliser cet appareil près d'une source d'eau.
- 6 Ne nettoyer qu'avec un chiffon sec.
- 7 Ne pas bloquer les évents d'aération. Installer l'appareil selon les instructions du fabricant.
- 8 Ne pas installer l'appareil près d'un appareil de chauffage tel qu'un radiateur, une cuisinière, un registre de chaleur ou tout dispositif émettant de la chaleur (y compris un amplificateur).
- 9 Pour des raisons de sécurité, ne pas modifier la fiche polarisée ou celle de mise à la terre. Une fiche polarisée est une fiche à deux lames, dont une plus large. Une fiche de mise à la terre est une fiche à deux lames avec une broche de masse. La lame plus large ou la broche de masse procure une protection accrue. Si ce genre de fiche ne peut être inséré dans une prise de courant, communiquer avec un électricien pour remplacer la prise.
- 10 S'assurer que le cordon est placé dans un endroit où il ne risque pas d'être écrasé, piétiné ou coincé. Faire particulièrement attention à ses extrémités de branchement, y compris sa fiche.
- N'utiliser que les accessoires ou périphériques recommandés par le fabricant.
- 12 N'utiliser l'appareil qu'avec un chariot, meuble, trépied, support ou table recommandé par le fabricant ou vendu avec l'appareil. Lors de l'utilisation d'un chariot, le déplacer avec le plus grand soin afin d'éviter tout dommage.



- 13 Débrancher cet appareil lors d'un orage ou en cas de non-utilisation prolongée.
- 14 Confier l'appareil à un technicien qualifié pour toute réparation : cordon d'alimentation ou fiche endommagé, liquide renversé ou objet tombé dans l'appareil, exposition à la pluie ou à une humidité excessive, mauvais fonctionnement ou échappement de l'appareil.





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

intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



**BD87** 

#### THE FOLLOWING APPLIES IN THE U.S.A. AND CANADA

Cet appareil est conforme à la section 15 de la réglementation de la FCC et à la section RSS-Gen de la réglementation IC. Son utilisation est soumise aux deux conditions suivantes : (1) cet appareil ne doit pas provoquer d'interférence et (2) cet appareil doit tolérer les différentes interférences reçues, y compris les interférences susceptibles de provoquer un dysfonctionnement. Contient FCC ID: ZVABDDMPBD87 Contient IC:9976A-DMPBD87

Jontient IC.9970A-DIVIP DD07

Cet émetteur ne doit pas être placé à proximité d'une autre antenne ou d'un autre émetteur, ni être utilisé de pair avec de tels autres appareils.

Cet équipment est conforme aux limites d'exposition aux radiations FCC/IC établies pour un environnement non contrôlé et se conforme aux exigences de conformité pour l'exposition aux RF IC, dans le supplément C aux normes OET65 et RSS-102. Cet appareil présente de très faibles niveaux d'énergie RF jugés conformes sans évaluation de l'exposition permise maximale (MPE). Mais il est souhaitable de l'installer et de l'utiliser à une distance d'au moins 20 cm du corps (extrémités non comprises : mains, poignets, pieds et chevilles).

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

## **Specifications**

Signal system	NTSC
Operating temperature range	+5 °C to +35 °C (+41 °F to +95 °F)
Operating humidity range	10 % to 80 % RH (no condensation)
Video output	Output level: 1.0 Vp-p (75 Ω) Output connector: Pin jack (1 system)
Audio output	Output level: 2 Vrms (1 kHz, 0 dB) Output connector: Pin jack
	Number of connectors: 2 channel 1 system
Digital audio output	Optical digital output (Optical terminal)
HDMI AV output	Output connector: Type A (19 pin) 1 system
USB slot	USB2.0 2 system
Ethernet	10BASE-T/100BASE-TX 1 system
BD77 Wireless LAN	Standard Compliance: IEEE802.11 b/g/n
	Frequency range: 2.4 GHz band
	Frequency range: 2.4 GHz band Security: WPA2-PSK, WPA-PSK, WEP
	Frequency range: 2.4 GHz band Security: WPA2-PSK, WPA-PSK, WEP Encryption Type: WPA, WPA2
LASER Specification	Frequency range: 2.4 GHz band Security: WPA2-PSK, WPA-PSK, WEP Encryption Type: WPA, WPA2 Class I LASER Product Wave length: 790 nm (CDs)/ 660 nm (DVDs)/405 nm (BDs) Laser power: No hazardous radiation is emitted with the safety protection
LASER Specification	Frequency range: 2.4 GHz band Security: WPA2-PSK, WPA-PSK, WEP Encryption Type: WPA, WPA2 Class I LASER Product Wave length: 790 nm (CDs)/ 660 nm (DVDs)/405 nm (BDs) Laser power: No hazardous radiation is emitted with the safety protection AC 120 V, 60 Hz
LASER Specification Power supply Power consumption	Frequency range: 2.4 GHz band Security: WPA2-PSK, WPA-PSK, WEP Encryption Type: WPA, WPA2 Class I LASER Product Wave length: 790 nm (CDs)/ 660 nm (DVDs)/405 nm (BDs) Laser power: No hazardous radiation is emitted with the safety protection AC 120 V, 60 Hz Approx. 15 W
LASER Specification Power supply Power consumption Power consumption in standby mode	Frequency range: 2.4 GHz band Security: WPA2-PSK, WPA-PSK, WEP Encryption Type: WPA, WPA2 Class I LASER Product Wave length: 790 nm (CDs)/ 660 nm (DVDs)/405 nm (BDs) Laser power: No hazardous radiation is emitted with the safety protection AC 120 V, 60 Hz Approx. 15 W Approx. 0.5 W
LASER Specification Power supply Power consumption Power consumption in standby mode Power consumption in quick start standby mode	Frequency range: 2.4 GHz band Security: WPA2-PSK, WPA-PSK, WEP Encryption Type: WPA, WPA2 Class I LASER Product Wave length: 790 nm (CDS)/ 660 nm (DVDs)/405 nm (BDs) Laser power: No hazardous radiation is emitted with the safety protection AC 120 V, 60 Hz Approx. 15 W Approx. 0.5 W
LASER Specification Power supply Power consumption Power consumption in standby mode Power consumption in quick start standby mode Dimensions (W×D×H) Including the projecting parts	Frequency range: 2.4 GHz band Security: WPA2-PSK, WPA-PSK, WEP Encryption Type: WPA, WPA2 Class I LASER Product Wave length: 790 nm (CDs)/ 660 nm (DVDs)/405 nm (BDs) Laser power: No hazardous radiation is emitted with the safety protection AC 120 V, 60 Hz Approx. 15 W Approx. 15 W Approx. 5 W 430 mm×185 mm×38 mm (Approx. 16 15/16″×7 5/16″×1 1/2″)

Specifications are subject to change without notice.

### File format

File format	Extension	Reference
MP3	".MP3", ".mp3"	ID3 tags (Only titles and the names of artists)
JPEG	".JPG", ".jpg"	<ul> <li>MOTION JPEG and Progressive JPEG is not supported</li> <li>You may not be able to play back the file if you have edited the folder structure or the file name on a PC or other device.</li> </ul>
	".MKV", ".mkv"	The video file and     subtitles text file are
МКV	".MKV", ".mkv" • Th Subtitles text file ".SRT", ".srt", ".SSA", ".ssa", ".ASS", ".ass" de rei rat	<ul> <li>subutes text file are inside the same folder, and the file names are the same except for the file extensions.</li> <li>Some MKV file may not be played back, depending on the video resolution and frame rate condition.</li> </ul>

• With certain recording states and folder structures, the play order may differ or playback may not be possible.

#### **Audio information**

The audio output differs depending on the settings on the unit. ( $\Rightarrow$  23, Digital Audio Output)

• The number of channels listed is the maximum possible number of output channels when connected to amplifier/receiver compatible with the respective audio format.

Terminal	"Digital Audio Output"		
Terminar	"Bitstream"	"PCM"*2	
HDMI AV OUT	Outputs using original audio <sup>•1</sup>	BD-Video : 7.1ch PCM <sup>*1</sup> DVD-Video : 5.1ch PCM	

<sup>11</sup> When "BD-Video Secondary Audio" is set to "On", the audio is output as Dolby Digital, DTS Digital Surround or 5.1ch PCM.

<sup>22</sup> The maximum possible number of Dolby sound is 2ch PCM.

одтзv18 33

Java and all Java-based trademarks and logos are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and other countries Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories. Manufactured under license under U.S. Patent Nos: 5,956,674; 5,974,380; 6,226,616; 6,487,535; 7,392,195; 7,272,567; 7,333,929; 7,212,872 & other U.S. and worldwide patents issued & pending. DTS-HD, the Symbol, & DTS-HD and the Symbol together are registered trademarks & DTS-HD Master Audio | Essential is a trademark of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved. This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited. HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. This product is licensed under the AVC patent portfolio license and VC-1 patent portfolio license for the personal and non-commercial use of a consumer to (i) encode video in compliance with the AVC Standard and VC-1 Standard ("AVC/VC-1 Video") and/or (ii) decode AVC/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 AVC/VC-1 Video. No license is granted or shall be implied for any other use. Additional information may be obtained from MPEG LA, LLC. See http://www.mpegla.com. HDAVI Control™ is a trademark of Panasonic Corporation. VIERA Link™ is a trademark of Panasonic Corporation. EZ Sync™ is a trademark of Panasonic Corporation. MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson. "AVCHD" and the "AVCHD" logo are trademarks of Panasonic Corporation and Sony Corporation. "DVD Logo" is a trademark of DVD Format/Logo Licensing Corporation. **BD87** The Wi-Fi CERTIFIED Logo is a certification mark of the Wi-Fi Alliance. The Wi-Fi Protected Setup Mark is a mark of the Wi-Fi Alliance. CERTIFIED "Wi-Fi", "Wi-Fi Protected Setup", "WPA" and "WPA2" are marks or registered marks of the Wi-Fi Alliance. DLNA, the DLNA Logo and DLNA CERTIFIED are trademarks, service marks, or certification marks of the Digital Living Network Alliance

Windows is a trademark or a registered trademark of Microsoft Corporation in the United States and other countries.

This product incorporates the following software:

- (1) the software developed independently by or for Panasonic Corporation,
- (2) the software owned by third party and licensed to Panasonic Corporation,
- (3) the software licensed under the GNU General Public License, Version 2 (GPL v2),
- (4) the software licensed under the GNU LESSER General Public License, Version 2.1 (LGPL v2.1) and/or,
- (5) open sourced software other than the software licensed under the GPL v2 and/or LGPL v2.1

For the software categorized as (3) and (4), please refer to the terms and conditions of GPL v2 and LGPL v2.1, as the case may be at

http://www.gnu.org/licenses/old-licenses/gpl-2.0.html and http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html.

In addition, the software categorized as (3) and (4) are copyrighted by several individuals. Please refer to the copyright notice of those individuals at

http://www.am-linux.jp/dl/AWBPP11

The GPL/LGPL software is 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.

At least three (3) years from delivery of products, 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/LGPL v2.1.

Contact Information cdrequest@am-linux.jp

Source code is also freely available to you and any other member of the public via our website below. http://www.am-linux.jp/dl/AWBPP11

For the software categorized as (5) includes as follows.

- 1. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit.
- (http://www.openssl.org/)
- 2. This product includes software developed by the University of California, Berkeley and its contributors.
- FreeType code.
- 4. The Independent JPEG Group's JPEG software.



#### gSOAP Public License 1.3

Part of the software embedded in this product is gSOAP software.

Portions created by gSOAP are Copyright (C) 2001-2009 Robert A. van Engelen, Genivia inc. All Rights Reserved. THE SOFTWARE IN THIS PRODUCT WAS IN PART PROVIDED BY GENIVIA INC AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

#### (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.

#### (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 PlayReadyTM content access technology to protect their intellectual property, including copyrighted content. This device uses PlayReady technology to access PlayReadyprotected 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 deviceÅfs 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) Voribis

The software license is displayed when "License" in the Setup menu is selected. (⇒ 26)

#### (5) Flac

The software license is displayed when "License" in the Setup menu is selected. (⇒ 26)

#### **Consumer Notification Message**

#### Cinavia Notice

This product uses Cinavia technology to limit the use of unauthorized copies of some commercially-produced film and videos and their soundtracks. When a prohibited use of an unauthorized copy is detected, a message will be displayed and playback or copying will be interrupted. More information about Cinavia technology is provided at the Cinavia Online Consumer Information Center at http://www.cinavia.com. To request additional information about Cinavia by mail, send a postcard with your mailing address to:

Cinavia Consumer Information Center, P.O. Box 86851, San Diego, CA, 92138, USA.

#### **IPR Message**

This product incorporates proprietary technology under license from Verance Corporation and is protected by U.S. Patent 7,369,677 and other U.S. and worldwide patents issued and pending as well as copyright and trade secret protection for certain aspects of such technology. Cinavia is a trademark of Verance Corporation. Copyright 2004-2010 Verance Corporation. All rights reserved by Verance. Reverse engineering or disassembly is prohibited.

## Limited Warranty (ONLY FOR U.S.A. AND PUERTO RICO)

Panasonic Consumer Electronics Company, Division of Panasonic Corporation of North America One Panasonic Way, Secaucus, New Jersey 07094

## Panasonic Blu-ray and DVD Products Limited Warranty

Limited Warranty Coverage (For USA and Puerto Rico Only) If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company (referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), 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 readin; replace or refund will be made by the warrantor.

Product or Part Name	Parts	Labor
Blu-ray Disc Player, Portable Blu-ray Disc Player	1 year	90 days
Blu-ray Home Theater System	1 year	1 year
DVD Player, Portable DVD Player	1 year	90 days
DVD Recorder	1 year	90 days
Rechargeable Batteries (pack), DVD-RAM Disc (defective exchange)	10 days	Not Applicable

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. This Limited Warranty excludes both parts and labor for non-rechargeable batteries, antennas, and cosmetic parts (cabinet). This warranty only applies to products purchased and serviced in the United States or Puerto Ricc. This warranty is extended only to the original purchaser of a new product which was not sold "as is".

#### Mail-In Service

For assistance in the U.S.A. and Puerto Rico in obtaining repairs, please ship the product prepaid to:

Panasonic Exchange Center 4900 George McVay Drive Suite B McAllen, TX 78503

panacare@us.panasonic.com

When shipping the unit, carefully pack, include all accessories, and send it prepaid, adequately insured and preferably in the original carton. When shipping Lithium Ion batteries please visit our Web Site at <u>www.panasonic.com/</u> <u>BatteryHandling</u> as Panasonic is committed to providing the most up to date information. Include a letter detailing the complaint, a return address and provide a daytime phone number where you can be reached. A valid registered receipt is required under the Limited Warranty.

IF REPAIR IS NEEDED DURING THE WARRANTY PERIOD. THE. PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/ PROFO FO PURCHASE INDICATING DATE OF PURCHASE. AMOUNT PAID. AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE. REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF. PURCHASE.

#### Limited Warranty Limits And Exclusions This warranty ONLY COVERS failures due to defects in materials or

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 the warrantor, 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

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

SERIAL NUMBER

of the product, or service by anyone other than a Factory Service Center or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, travel to and from the servicer, loss of or damage to media or images, data or other memory or recorded content. The items listed are not exclusive, but for illustration only.) ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not annly to you

the exclusions may not apply to you. This warranty gives you specific alrights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Service Center. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

#### Customer Services Directory (United States and Puerto Rico)

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Service Center; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at: http://www.panasonic.com/help or, contact us via the web at: <u>http://www.panasonic.com/contactinfo</u> You may also contact us directly at: 1-800-211-PANA (7262) Monday-Friday 9am-9pm, Saturday-Sunday 10am-7pm EST

For hearing or speech impaired TTY users, TTY: 1-877-833-8855

#### Accessory Purchases (United States and Puerto Rico)

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at: http://www.pstc.panasonic.com Or, send your request by E-mail to: npcarts@us\_panasonic.com You may also contact us directly at: 1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only) (Monday-Friday 9am-9pm EST) Panasonic Service and Technology Company 20421 84th Avenue South, Kent, WA 98032 (We accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)

For hearing or speech impaired TTY users, TTY: 1-866-605-1277

DATE OF PURCHASE \_\_\_\_\_\_ DEALER NAME \_\_\_\_\_\_ DEALER ADDRESS \_\_\_\_\_\_

TELEPHONE NUMBER

Reference

As of December 2010



# Limited Warranty (Only for CANADA)

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.

#### Technics Audio Product - One (1) year, parts and labour 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 <u>AMOUNT PAID AND PLACE OF PURCHASE</u> 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.

THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY. (As examples, this warranty excludes damages for lost time, travel to and from the Authorized Servicer, loss of or damage to media or images, data or other memory or recorded content. This list of items is not exhaustive, but for illustration only.)

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 and information assistance, please contact:

#### PRODUCT OPERATION ASSISTANCE

Customer Care Centre:

Telephone #: 1-800-561-5505 Fax #: (905) 238-2360 Email link: "Support  $\rightarrow$  contact us  $\rightarrow$  email" on <u>www.panasonic.ca</u>

#### PRODUCT REPAIRS

Please locate your nearest Authorized Servicentre.

Link: "Support → Panasonic Servicentre® locator" on www.panasonic.ca

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.

38 VQT3V18

## **Referencia rápida en español** (Spanish Quick Reference) [Para EE.UU. y Canadá]

#### Conexiones básicas

Conexión a un televisor compatible con HDMI



#### Conexión a un televisor con un cable para audio/vídeo



#### Conexión a un televisor compatible con HDMI y a un amplificador/receptor compatible con HDMI



Cable de alimentación de CA (incluido)

• Conéctelo cuando haya realizado el resto de conexiones. Ahorro de energía

Esta unidad consume una pequeña cantidad de energía aunque esté ajustada en el modo de espera (Accionamiento rápido : Desactivado, aprox. 0,1 W). Para ahorrar energía cuando no vaya a utilizar la unidad durante mucho tiempo, desenchúfela de la toma de corriente.

#### **Reproducción básica**

#### Preparación

Encienda el televisor y seleccione la entrada de vídeo adecuada en el televisor.

- Pulse [①] para encender la unidad. Después de conectar su nuevo reprodutor y pulsar el botón de encendido, aparecerá la pantalla de la configuración básica.
- Inserte el medio.

#### Inicia la reproducción

Pulse [>PLAY].

#### Parada

#### Pulse [STOP].

La posición de detención se memoriza.

**Función de reanudación de la reproducción** Pulse [▶PLAY] para reiniciar la reproducción desde esta posición.

- La posición se borra si se abre la bandeja o se pulsa [STOP] varias veces para visualizar "STOP" en el visor de la unidad.
- En los discos BD-Video incluidos los BD-J, la función de reanudación de la reproducción no funciona.

#### Pausa

#### Pulse [IPAUSE].

 Pulse [∎PAUSE] otra vez o [►PLAY] para reiniciar la reproducción.

#### Búsqueda/Cámara lenta

#### Búsqueda

## Durante la reproducción, pulse [SEARCH◀◀] o [SEARCH►►].

- Música y MP3: La velocidad está fija en un paso.
- Cámara lenta

#### Durante la pausa, pulse [SEARCH◀◀] o [SEARCH►►].

 BD-Video y AVCHD: Sólo dirección en avance [SEARCH▶▶].

#### La velocidad aumenta hasta 5 pasos.

 Pulse [> PLAY] para recuperar la velocidad de reproducción normal.

#### Salto

#### Durante la reproducción o la pausa, pulse [I◀◀] o [▶▶].

Salta hasta el título, capítulo o pista que desee reproducir.

• Cada pulsación aumenta el número de saltos.



Reference

## Index

Α	Audio	
	Changing audio	16
	Language	31
9	BD-Live	17
Ð	DLNA	19
)	File format	33
	Firmware update	13
)	LAN	.9
	Language	
	Audio	24
	Menu	24
	On-screen	24
	Soundtrack	21
	Subtitlo 21 (	24

Media Renderer 19	
Ψ.	Connection 9 Setting 11, 24
	Network Service18
e	Pop-up menu17
0	Quick Start 26
0	Restore Default Settings
	Resume play function 16
6	Subtitle 21
O	USB device 6

USA Only: Disposal may be regulated in your community due to Environmental considerations. For disposal or recycling information, please visit Panasonic Website: http://www.panasonic.com/environmental or call 1-888-769-0149.

# 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.



As an ENERGY STAR<sup>®</sup> Partner,<sup>®</sup> Panasonic has determined that this product meets the ENERGY STAR<sup>®</sup> guidelines for energy efficiency.

\* For Canada only: The word "Participant" is used in place of the word "Partner".

For U.S.A. and Puerto Rico Panasonic Consumer Electronics Company, Division of Panasonic Corporation of North America One Panasonic Way, Secaucus, New Jersey 07094 http://www.panasonic.com

© Panasonic Corporation 2011 Printed in China

For Canada Panasonic Canada Inc. 5770 Ambler Drive Mississauga, Ontario L4W 2T3 www.panasonic.ca



VQT3V18 F1211HA0