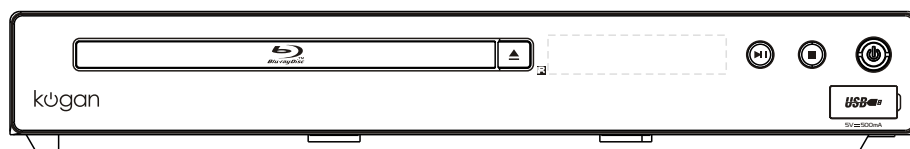


kogan



USER MANUAL

MODEL:KABRP21SLMAA



N Please read all warnings and instructions carefully before operating this unit.

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SAFETY PRECAUTIONS



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.



The symbol for CLASS II (Double Insulation).

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE, DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

CAUTION:

When replacing the unit's plug or power cord, the replacement must be the exactly the same; or one recommended by the manufacturer.

This Digital Video Disc player employs a laser system.

Use of controls, adjustments or the performance of procedures other than those specified may result in hazardous exposure to radiation. To prevent direct exposure to laser beam, do not try to open the enclosure.

DO NOT STARE INTO BEAM.

* Laser radiated label stick at the bottom of unit.



SAFETY PRECAUTIONS

This item incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation. Reverse engineering or disassembly is prohibited.



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; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS, the Symbol, & DTS and the Symbol together are registered trademarks & DTS Digital Surround and the DTS logos are trademarks of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.



Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.



IMPORTANT SAFETY INSTRUCTIONS

CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS GIVEN IN THIS MANUAL AND THOSE MARKED ON THE UNIT. RETAIN THIS BOOKLET FOR FUTURE REFERENCE.

This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing. This unit is fully transistorized and does not contain any parts that can be repaired by the user.

DO NOT REMOVE THE CABINET COVER OR YOU MAY BE EXPOSED TO DANGEROUS VOLTAGE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY.

1. Read these manuals

After unpacking this product, read the manual carefully. Follow all the operating and other instructions.

2. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure correct operation of the product. These protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other.

3. Heat

The product should be situated away from heat sources such as radiators, stoves, or other products (including amplifiers) that produce heat.

4. Water and Moisture

Do not use this product near water for example, near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool. The apparatus must not be exposed to dipping or splashing and no objects filled with liquids, such as vases, must ever be placed on the apparatus.

5. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth for cleaning.

6. Power-cord protection

Power-supply cords should be placed so that they are not likely to be walked on or pinched by items placed upon or against them. Paying particular attention to cords at plugs, power boards, and the point where they exit from the product.

7. Lightning

For added protection for this product during storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.

8. Object and Liquid entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

9. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

10. Accessories

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with

the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.



11. Disc tray

Keep your fingers well clear of the disc tray as it is closing. Neglecting to do this may cause serious personal injury and damage to the product.

12. Burden

Do not place heavy object on or step on the product. The object may fall causing serious personal injury and serious damage to the product.

13. Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance - this indicates a need for service.

14. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

15. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

16. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

17. Other

Cutting the power only when plug of apparatus is pulled out, so please make sure the plug can be pulled out from the socket easily.

18. where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



NOTICE

NOTES ON HANDLING

- The top and rear panels of the unit may become warm after a long period of use. This is not a malfunction.
- When the unit is not used, be sure to remove the disc and turn off the power.
- If you do not use the unit for a long period, the unit may not function properly in the future. Turn on and use the unit occasionally.
- Do not place foreign objects on the tray.



LOCATION

- Do not locate the unit in places such as:
- Near heating devices or in an enclosed vehicle.
 - High temperature (40°C or higher) or high humidity (90% or higher).
 - Dirty places.
 - Avoid direct exposure to sunshine

ELECTRICAL DISTURBANCE

When you place this unit near a TV, radio or VCR, the playback picture may become poor and the sound may be distorted. In this case, place the unit away from the TV, radio or VCR.

NOTES ON MOISTURE CONDENSATION

The pickup may suffer from condensation under the following situations.

- When you bring the unit directly from a cold place to a warm place.
- When you use the unit in a room where you just turned on the heater, or a place where the cold air from the air conditioner directly hits the unit.
- During the summer, when you use the unit in a hot and humid place just after you move the unit from an air conditioned room.
- The room is vaporous or damp.

If condensation exists, the unit will not operate properly. Remove the disc, connect the power cord of the unit to the wall outlet, turn on the unit, and leave it for two or three hours. After two or three hours, the unit will have warmed up and evaporated any moisture. Keep the unit connecting to the wall outlet will ensure moisture condensation will seldom occur.

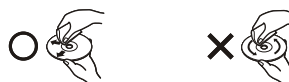
ON HANDLING DISCS

- Do not touch the playback side of the disc.
- Do not attach paper or tape to disc.



ON CLEANING DISCS

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the centre outwards with a soft cloth. Always keep the disc clean.



- If you can not wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvent such as thinner, benzene, commercially available cleaners or antistatic spray for vinyl Lps. It may damage the disc.

ON STORING DISCS

- Do not store discs in a place subject to direct sunlight or near heat source.
- Do not store discs in place subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing object on discs outside or their case may cause warping.



PLAYABLE DISCS

Features

- Full high-definition video playback at up to 1080p resolution for an amazing viewing experience.
- Upconversion of standard definition DVDs for enhanced picture quality at up to 1080p over an HDMI connection.
- Rich multi-channel surround sound.
- Easy and simple HDTV connection using a single HDMI cable (cable not included).
- Multiple outputs for connecting your home theater system or amplifier.
- PIP functionality that lets you display primary and secondary video at the same time (if available on the Blu-ray Disc).
- Pop-up menu display without interrupting playback (if available on the Blu-ray Disc).
- HDMI 1080p/fps output (Blu-ray Disc only) that provides smooth playback of video with a frame rate of 50 frames per second (TV must be connected with an HDMI cable and be compatible with an HDMI cable and be compatible with 1080p 50 frame).

The following types of discs can play in the REF player:

Disc type	Logo
Blu-ray Disc	
DVD-video Disc (DVD-ROM)	
Audio CDs (CDDA)	
DVD-RW	
DVD+RW	
DVD-R	
DVD+R	

Disc type	Logo
WMA	
JPEG	
MPEG4	
CD-R	
CD-RW	

Notes:

Writeable DVD discs (DVD-RW, DVD-R) must be finalized, VR-mode only.

- Playback may not work for some types of discs, or when specific operations, such as angle change and aspect ratio adjustment, are being performed. Information about the discs is written in detail on the box. Please refer to this if necessary.
- Do not allow the disc to become dirty or scratched. Fingerprints, dirt, dust, scratches or deposits of cigarette smoke on the recording surface may make it impossible to use the disc for playback.
- CD-R/-RW, DVD-RW/-R recorded with UDF or ISO9660 format can be played back.
- Windows Media Audio (WMA) files must be written to the disc with a .wma file extension in order to be recognized and played back properly.
- JPEG picture files must be written to the disk with an .jpeg or .jpg file extension in order to be recognized and played back properly



ACCESSORIES and PANEL

ACCESSORIES

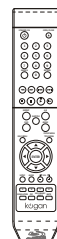
- Batteries..... 2
- Audio/Video cable 1
- Remote control 1



Two batteries

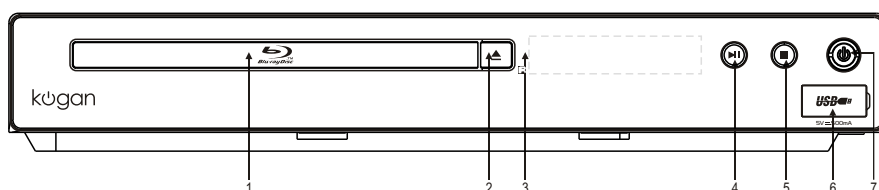


Audio/Video cable



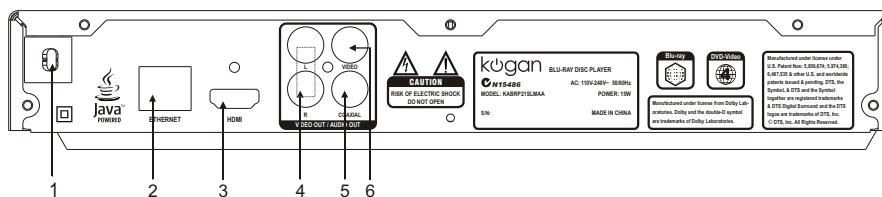
Remote control

FRONT PANEL



- | | |
|--------------------------|---------------|
| 1. TRAY | 5. STOP |
| 2. OPEN/CLOSE | 6. USB |
| 3. REMOTE CONTROL SENSOR | 7. STANDBY/ON |
| 4. PLAY/PAUSE | |

REAR PANEL



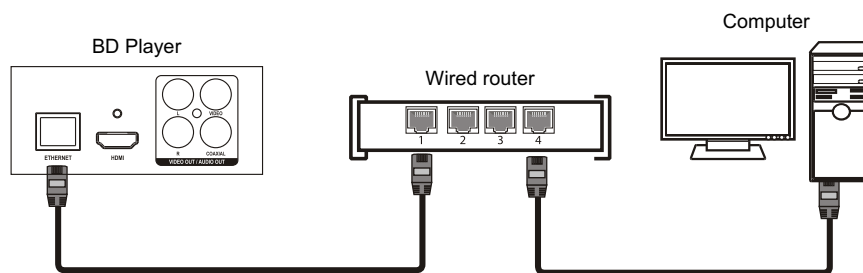
- | | |
|-----------------------|---------------------|
| 1. POWER LINE INPUT | 4. L/R AUDIO OUTPUT |
| 2. ETHERNET INTERFACE | 5. COAXIAL OUTPUT |
| 3. HDMI OUTPUT | 6. VIDEO OUTPUT |



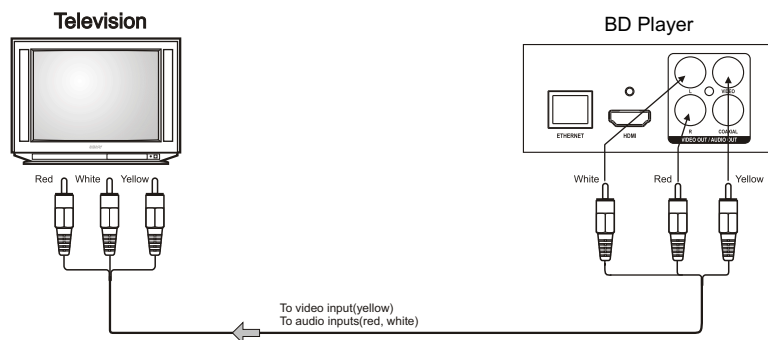
BASIC CONNECTION

BASIC CONNECTION

- Connecting to a wired router with ethernet cable



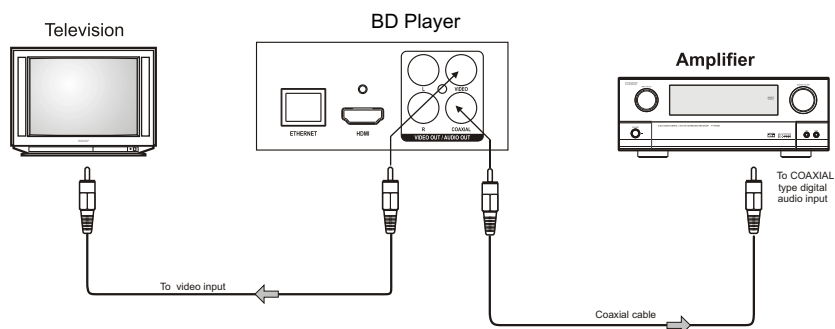
- Connecting to a TV with Audio/Video cable





BASIC CONNECTION

● Connecting to an amplifier equipped with a digital audio input and TV



● Connecting to a devices with HDMI terminal



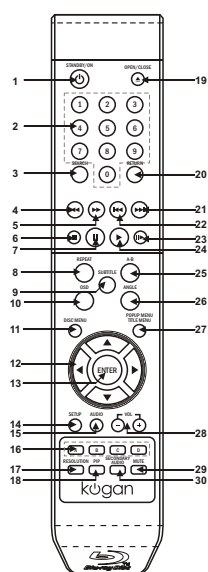
HDMI (High-Definition Multimedia Interface) setup:

Can only be achieved using HDMI. HDMI is the only REF output capable of 1080i/1080p video, and the highest definition audio codecs. Connect the HDMI output of the player to the HDMI input of the audio receiver. (You will need to connect a second HDMI cable from the HDMI output of the audio receiver to the HDMI input of the television)



REMOTE CONTROL

REMOTE CONTROL



Function

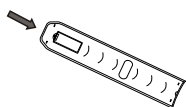
1. STANDBY
2. DIGITS 0-9 BUTTONS
3. SEARCH
4. FAST REVERSE
5. FAST FORWARD
6. STOP
7. PAUSE
8. REPEAT
9. SUBTITLE
10. On Screen Display (OSD)
11. DISC MENU
12. CURSOR
13. ENTER
14. SETUP
15. AUDIO

Function

16. COLOR Buttons:
RED(A),GREEN(B),YELLOW(C),BLUE(D)
17. RESOLUTION
18. Secondary Video (Picture-in-picture)
19. OPEN/CLOSE DISC TRAY
20. RETURN
21. NEXT
22. PREVIOUS
23. STEP
24. PLAY
25. A-B REPEAT
26. ANGLE
27. POPUP MENU/TITLE MENU
28. VOLUME+/- (Volume Control)
29. MUTE
30. SECONDARY AUDIO

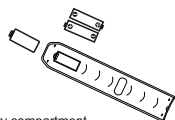
Loading Batteries

1. Open the cover.

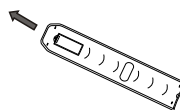


2. Insert two AAA batteries.

Make sure to match the + and - on the batteries to the marks inside the battery compartment.



3. Close the cover.



Notes on batteries

- Do not insert batteries into the remote control in the wrong direction.
- The battery(battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.
- Do not use different types of batteries together, or mix old and new batteries.
- If the remote control does not function correctly or if the operating range becomes reduced, replace all batteries with new ones.



BASIC PLAYBACK

Basic playback

1. Press STANDBY/ON switch on the front panel or the remote, your player turns on.
2. Turn on the TV, then select the input setting on the TV that matches the connection method you used to connect your player.
3. Press OPEN/CLOSE to open the disc tray.
4. Place a disc on the disc tray with the label facing up, then press OPEN/CLOSE to close the disc tray. It may take a few seconds for the disc to load.
5. If a Blu-ray Disc or DVD menu opens, press CURSOR button to select PLAY, then press ENTER.
6. To eject the disc, press OPEN/CLOSE .

Stop playback

1. Press STOP button to go to stop mode, the TV screen will show the setup menu. As some disc the player can recall the location where stopped, such as DVD.
2. Press CURSOR button to select DVD, and then Press ENTER to playback to resume playback from the location where playback is stopped or from the beginning of the disc.
3. Press STOP twice to stop completely.

Pause playback

1. Press PAUSE to pause playback. The sound will be muted.
2. Press PAUSE or PLAY to resume normal playback.

Fast forward and Fast reverse

1. Press F.FWD to fast forward through the disc. Each time the F.FWD button is pressed, the fast forward motion speed changes. The speed will increase through the following sequence: Fast x 2, Fast x 4, Fast x 8, Fast x 16, Fast x32, Fast x 64, Fast x 128.
2. Press PLAY to resume normal playback.
3. Press F.REV to fast reverse through the disc. Each time the F.REV button is pressed, the fast reverse motion speed changes. The speed will increase through the following sequence: Fast x 2, Fast x 4, Fast x 8, Fast x 16, Fast x 32, Fast x 64, Fast x 128.
4. Press PLAY to resume normal playback.

Previous and Next

Within playing five seconds, press PREV key can back to the previous of the chapter. After playing five seconds, press PREV key can back to the start of the chapter.

Each press of NEXT key during playing will skip the current chapter and play the next one.

Single step playback

1. Press STEP continuous to single step forward to the next frame in the video.
2. Press PLAY to resume normal playback.

NOTES:

1. "O" may appear on the TV screen during operation. A "O" means that the operation is not permitted by the unit or the disc.



ADVANCED PLAYBACK

IMPORTANT NOTE:

THE FOLLOWING FUNCTIONS ARE APPLICABLE ONLY TO BD DISCS. IF OTHER DISC FORMATS ARE PLAYED, SCREEN DISPLAY AND OPERATION WILL BE DIFFERENT.

OSD

Press this button and the screen will display some information about disc, such as : " Type of Disc ", "Current elapsed time in title ", "total amount of time in title ", "current chapter " , " Total of chapters " and so on.

Example:



REPEAT

Press one or more times to select a repeat mode.

Follow this operation :

Repeat off

Repeat Title

Repeat chapter

Press this button repeatedly to display circular the above operation.

Note: this key is invalid to BD-JAVA disc.

A-B

Press " A-B " to begin start-point after two seconds, press again to set an end point and complete setting. The selected section A-B will be repeated. The third press will cancel this function.

Note: this key is invalid to BD-JAVA disc.

SEARCH

During playback, Press this button repeatedly to select a search mode, then press digits button into menu, for example:

first	Go to Title - - -
twice	Go to Chapter - - -
third	Go to Time --: --: --

Then press ENTER key on the remote, you could choose point that you want to play. The fourth pressed will cancel search.

SUBTITLE

Press this button and the screen will display the information menu. Press the RIGHT button to select subtitle language. Such as: "01/08 ENG", and " Off " .

"01" indicates the current number of this language;

"08" indicates total number of languages;

"ENG" indicates the language.

(The number of language depends on disc).

RETURN

Press this button to return to the previous on-screen menu.(The option is only used with WMA/JPEG/MP3 MPEG4 disc).

ANGLE

During playback, press this button to change the angle of the picture. This screen will display " Angle X of X " the first "X" indicates the current number of angle; the second "X" indicates total number of angle.

DISC MENU

1. Press this button and the screen will display " Root Menu ", select item according to your preference.

(This key is valid to DVD disc possessing multi-layer menu.)

2. Press **Disc Menu** button on remote control during picture playing, to open SLIDE SHOW selection menu, then you can select "slide show effects" and "slide show delay".

POPUP MENU/TITLE MENU

During Blu-ray Disc playback, Press POP-UP MENU. To open the pop-up menu opens.

1. Press UP/DOWN/LEFT/RIGHT button to select an option, then press ENTER.

2. Press POPUP MENU to close the menu.

During DVD playback, press TITLE MENU to open the disc menu.

SETUP

Press this button to get back to the root menu.

Note: The root menu will display on the screen automatically, under No Disc or Stop situations.

COLOR BUTTONS(red, green,yellow,blue)

These buttons are used when operating a BD-Video disc that includes JavaTM applications (BD-J). For more information about operating this kind of disc, please read the instructions that came with the disc.

VOLUME and MUTE

Press "+" at the right of VOLUME to increase volume, "-" to decrease to volume. Pressing MUTE once will display VOLUME MUTE (no voice), the second press will display VOLUME MUTE OFF (return to normal playback).



SPECIAL FUNCTION PLAYBACK

AUDIO CHANNEL CHOOSE

Press the AUDIO button and the screen will display information menu. Press the RIGHT button to select the mode of audio. Such as: "01/03 Stereo".
"01" indicates the current number of audio;
"03" indicates total number of audio;
"Stereo" indicates the description of the current audio.

RESOLUTION

This sets the video output resolution.
PAL: 576i, 576p, 720p, 1080i, 1080p(HDMI),
HDMI AUTO
NTSC: 480i, 480p, 720p, 1080i, 1080p(HDMI),
HDMI AUTO
NOTE: Setting a resolution your TV cannot support could result in an unstable picture or a loss of picture. Check your TV manual for guidance.

SPECIAL FEATURES OF BLU-RAY DISCS

INTRODUCTION

The massive storage capacity of a Blu-Ray (BD) disc allows a far higher standard of picture and audio quality and a wealth of special effects and enhanced features.

BLU-RAY AND JAVA.

This player features Java support so enabling you to get the most out of the latest Blu-Ray discs. When a BD disc loads always explore the title menu to enjoy these extra features.

BLU-RAY AND HDMI

HDMI is the only domestic medium capable of transmitting the huge volumes of data required by the very high picture resolutions and advanced digital audio codecs that make Blu-Ray such an exciting medium.

PLAYING A BLU-RAY DISC

Blu-Ray discs play very much like standard DVDs but with a very much higher level of interactivity. All the standard features of DVD play operate exactly the same but there are some differences.

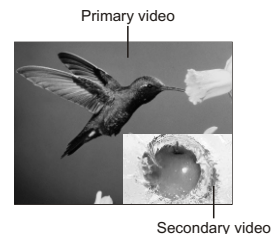
PLAY RESUME: This feature is not available on BD-Java discs.

ENHANCED FEATURES

SECONDARY VIDEO (PICTURE IN PICTURE)

During Play:

Press the PIP key to turn on Secondary Video (Picture in picture)



SECONDARY AUDIO

To turn audio on/off with the secondary video,

Press the SECONDARY AUDIO button the screen will display information menu, Use CURSOR button and then ENTER button to select ON and OFF.

Note: Only the primary video is played during search or frame-by-frame play.

P-I-P functionality is also known as BonusView.

COLOUR BUTTONS

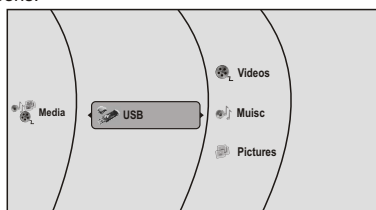
The **RED, GREEN, YELLOW** and **BLUE** buttons are used with interactive menus when operating a BD-Video disc that includes Java™ applications (BD-J). For more information about operating this kind of disc, please read the instructions that came with the disc.



SPECIAL FUNCTION PLAYBACK

Playing files on a data disc or USB memory stick

Insert a data disc or USB memory stick containing picture, music, or video files into your player. Within the setup menu, you can use ▲ or ▼ to move the cursor to **Media** option, then press the ENTER button to make your selection. The following menu opens:



Note:

1. Above interface take reading USB for example.
2. Operation of reading data disc is same as reading USB.

To play audio or video files:

1. Press ▲ or ▼ to select **Music**, **Pictures** or **Videos**. A menu opens.
2. Press ▲ or ▼ to select **Play Files**, then press ENTER. The following display appears



- Random Indicator
- Repeat Indicator
- Play Indicator

Viewing photographs

Your player can display digital photograph files that have been burned onto a data disc, DVD+/-R, DVD+/-R(W), or Blu-ray Disc.

To view photographs:

1. Insert the disc with photographs into your Blu-ray player.
2. Press ▲ or ▼ to select **Pictures**, then press ENTER. A menu opens.
 - Settings** - to set slide show effects and slide show delay.
 - Main Menu** - Returns to the main menu.
 - Start slide show** - to play all files at slide show.
 - Browse Music** - Opens the music playing menu where you can select music files to play while you view photographs.

Controlling audio CD playback

- To start or pause playback, press II .
The sound is muted when your player is in pause mode. To resume normal playback, press ► or II .
- To stop playback completely, press ■ . To start playback again, press ► . Playback starts at the beginning of the CD.
- To fast-forward, press ►► . To resume normal playback, press ► .
- To fast reverse, press ◀◀ . To resume normal playback, press ► .
- To go to the previous track, press ◀◀ . To go to the next track, press ►► .
- To select a track, press **SEARCH**, enter the track number with the number buttons, then press ENTER. Or, Enter the track number by pressing the appropriate number buttons.

Repeating a CD track

To repeat a title or chapter, press **REPEAT** one or more times to select a repeat mode. You can select **Off**, **Repeat track**, **Repeat all**, or **Random**.

Creating a playback loop on a audio CD

1. Play the disc until you reach the point where you want the loop to start, then press **A-B**.
2. Play the disc until you reach the point where you want the loop to stop, then press **A-B**. Your player plays the loop you created repeatedly.
3. Press **A-B** to cancel the loop and return to normal playback.



USING BD-LIVE FEATURES

USING BD-LIVE FEATURES

Some (but certainly not all) BD discs contain additional features that are made available to players that are connected to the internet, and have additional memory added.

These additional features may include things like

- the ability to download new movie trailers,
- additional 'commentary' by actors and directors,
- multiperson game play and chat

In order to access BD-Live functions, the player must be properly configured for BD-Live internet access, and it must be equipped with additional memory.

1. Adding additional BD-Live memory to the player

In order to set the player up for BD-Live Internet Access, perform the following steps:

- 1) Obtain a 1Gbyte USB Stick. Insert it into a PC drive, and make sure that it is formatted as FAT32
- 2) Insert the USB memory stick into the USB slot on the player.

2. Setting up the player for BD-Live internet access

In order to set the player up for BD-Live Internet Access, perform the following steps:

- 1) In the BD Player's main setup menu, go to the "BD-Live" menu choice; Then, choose "BD-Live Internet Access". Be sure that "Limit Access" or "Always Allow Access" is checked.
- 2) Once the USB memory stick has been inserted, if there is not at least 100Mbyte of free space on the device, you should choose "Erase Blu-ray Storage" from the "BD-Live" setup menu item.
- 3) In the BD Player's main setup menu, go to the 'Network' menu choice; Then, choose "IP mode". Set up the Network IP addresses per your router's or ISPs recommendations.

NOTE: The 'Network Test' must pass, or you are not connected to the internet, and cannot access BD-Live Content on the web.

3. Example BD-Live usage

- 1) Select the BD-Live option from the Menu.
- 2) In a few minutes, you will get to the BD-Live Menu.
- 3) You can select the content to download from the Previews sub menu. The download could take up to 10 minutes, depending on the content size and network speed.
- 4) The downloaded content is stored under My Downloads. You can choose to either play back or delete the downloaded content.

4. BD-LIVE Notes

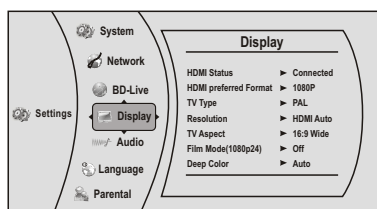
- 1) The Broadcom Reference system only supports the connection of USB memory in order to fulfill the BD 2.0 1GByte memory requirement.
 - Any externally connected drive will become the default storage for BD-Live content, and the internal storage will be ignored.
- 2) You must have the BD-Live disc in the player to play any related (already downloaded) content.
- 3) Some BD-Live content could expire and will not play. The user will occasionally need to manually delete the contents in storage in order to free space. This can be done from the BD player's main setup menu, under the "BD-Live" submenu item. (Select "Erase Blu-ray storage")
 - A clock is not used to manage the expiration of downloaded BD-live content. Instead, time and expiration of content is managed by the BD-Live server on the internet.



SYSTEM SETUP

- The settings menu will be displayed automatically on the screen, press **ENTER** button on the remote control to next menu. It includes display, audio, speaker, language, parental, other, network menu.
1. Within the setup menu, you can use UP, DOWN, LEFT and RIGHT buttons on the remote control to move the cursor, and then press the ENTER button to make your selection. Press LEFT can return the previous menu.

1. DISPLAY MENU



1.1 HDMI Status

HDMI Status: to show if the HDMI is connected or not

1.2 HDMI preferred Format

HDMI preferred Format: to show HDMI best format of TV Set.

1.3 TV Type

TV Type: This player supports different TV output, including NTSC and PAL systems.

Note: if playing the disc of the PAL type, please select PAL option. If playing the disc of the NTSC type, please select NTSC option.

1.4 Resolution

Resolution: select the output resolution based on the type of TV connected to the player, as described in the table below:

TV TYPE	Correct Resolution Setting
If your TV is a standard-definition PAL TV (American, Asian SD TV)	576i
If your TV is an enhanced-definition TV (EDTV)	576p
If your TV is a high-definition TV (HDTV) capable of 720p only	720p
If your TV is a high-definition TV (HDTV) capable of 1080i only	1080i
If your TV is HDMI equipped, and if your TV is a high-definition TV (HDTV) capable of 1080p (any frame rate), and you are connected to your TV via HDMI,	1080p (HDMI)
If your TV is HDMI equipped, and you are connected to your TV via HDMI, and you wish the BD player to set the output based on information exchanged between the TV and the player over the HDMI cable.	HDMI auto

Note: Setting the player for an output resolution not supported by your TV will result in unpredictable results. Only the HDMI output of the player is capable of supporting 1080p video output at any frame rate. If the HDMI cable is not connected, the component outputs are limited to 1080i.

1.5 TV Aspect

TV Aspect: Select the picture size according to the aspect ratio of the connected TV. You can select: 16:9 Pillarbox, 4:3 Pan & Scan, 4:3 Letter Box, 16:9 wide.

If your TV has a very rectangular (16:9) aspect ratio, you will need to choose one of the 16:9 aspect ratios. If your TV has a relatively square (4:3) aspect ratio, you will need to choose one of the 4:3 aspect ratios.

Note: Setting the player for one of the 16:9 settings when connected to a 4:3 TV, or setting the player for one of the 4:3 settings when connected to a 16:9 TV will result in unpredictable results. In the standard-definition(480i/576i/576p/480p) mode, the BD player have 16:9 and 4:3 aspect ratio. In the high-definition(720p/1080i/1080p) mode, the BD player have only 16:9 aspect ratio.

1.6 Film Mode(1080p24)

Film Mode(1080p24): Movies are recorded on film at a rate of 24 pictures, or frames, per second. Many of the movies on BD discs are placed on the disc at this frame rate. However, not all TVs can display 24 progressive frames/second of video. The UP/DOWN menu keys can then be used to select Off or On for 50 frames/second output format.

Note: Only the HDMI output of the player is capable of supporting 1080p video output at any frame rate. The component outputs are limited to 1080i, regardless of the Film Mode setting.



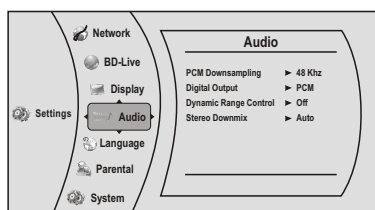
SYSTEM SETUP

1.7 Deep Color

Select Deep Color: Auto, 30 bits, and 36bits.

Note: HDMI 1.3 supports 10-bit, 12-bit and 16-bit (RGB or YCbCr) color depths while 8-bit depths in previous versions. This expands the colors displayed from millions to billions, which is much more vivid than the previous.

2. Audio Menu



2.1 PCM Downsampling

PCM Downsampling: To set the player's digital output PCM sampling rate. Such as 48KHz, 96KHz, Off.

Note: Incorrectly setting the digital audio output's PCM sampling rate may result in unpredictable audio playback.

2.2 Digital Output

Digital Output: set the digital audio outputs, such as PCM, Bitstream HD, Bitstream Legacy, Bitstream mixed.

PCM: Mixed digital audio sent over HDMI in PCM (if supported by HDMI device) and SPDIF in two-channel PCM format.

Bitstream HD: Original bitstream from disc is passed over HDMI and SPDIF using highest quality possible. HDMI has higher quality capabilities with advanced audio codecs like TrueHD and DTS-HD. BD audio limited to soundtrack for main movie (i.e. no PiP audio, no effects audio).

Bitstream Legacy: Original bitstream from disc is passed over HDMI and SPDIF using legacy audio formats. BD audio limited to soundtrack for main movie (i.e. no PiP audio, no effects audio).

Bitstream mixed: BD audio streams are mixed and encoded into a single bitstream. Primarily intended for customers with SPDIF 5.1CH receivers who want to enjoy mixed BD audio in surround sound.

2.3 Dynamic Range Control

Dynamic Range Control: this is only active when a Dolby Digital signal is detected.

Off: you can enjoy the movie with the standard Dynamic Range.

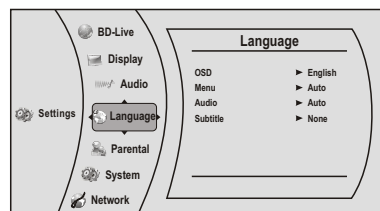
On: When Movie soundtracks are played at low volume or from smaller speakers, the system can apply appropriate compression to make low-level content more intelligible and prevent dramatic passages from getting too loud.

Auto: the system turns on the Dynamic range control for all BD movie soundtracks except Dolby TruHD. If you have selected a Dolby TruHD track on the BD disc, Auto tells the BD player to only turn on dynamic range control if information embedded in the Dolby TruHD sound track tells it to do so.

2.4 Stereo Downmix

Stereo Downmix: Sets front speakers to Auto, Stereo or Surround Encoded.

3. LANGUAGE MENU



3.1 OSD Language

OSD Language: Users can select the whole setup menu and on-screen display language.

3.2 Menu Language

Menu Language: Sets the preferred menu language as the default language for the disc.

Note:

Not all languages are available on all discs.

Most discs only have one menu language available.



SYSTEM SETUP

3.3 Audio Language

Audio Language: Sets the preferred audio language as the default language for the disc.

Note:

Not all languages are available on all disc.

Some disc to not allow the user to select the audio language from the BD-player setup menus. The audio language can only be selected from the BD/DVD disc setup menu. (The menu that appears after the disc has been inserted)

3.4 Subtitle Language

Subtitle Language: Sets the preferred subtitle language as the default language for the disc.

Note:

Not all languages are available on all disc.

Some disc to not allow the user to select the audio language from the BD-player setup menus. The audio language can only be selected from the BD/DVD disc setup menu. (The menu that appears after the disc has been inserted)

Note:

- The PARENTAL is changeable when PASSWORD MODE set to **OFF**.
- After setting the level of parental control. please set the password as **ON** to perform the lock of changing.

4.2 Parental Level

Parental Level: sets different censorship classes assigned to DVDs.

1[Kid Safe] - Suitable for all children.

2[G] - General audiences.

3[PG] - Parental guidance suggested.

4[PG-13] - Not suitable for anyone under 13.

5[PGR] - Parental guidance recommended.

6[R] - Not suitable for anyone under 17 unless supervised by a parent or adult guardian.

7[NC-17] - Not suitable for anyone under 17.

8[Adult] - All DVDs can be played.

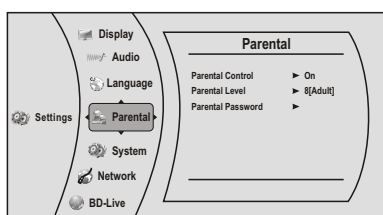
4.3 Parental Password

Parental Password: You can change the password, please type 4 numerals as new password.

Note: (Initial password : 0000)

Be sure remember new password. When set parental control function you must input new password .

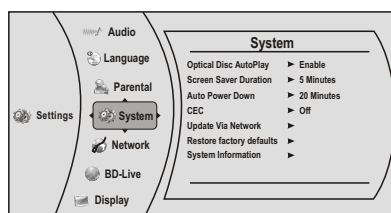
4. Parental Control Menu



4.1 Parental Control

Parental Control: The parental control function works in conjunction with the different censorship classes assigned to BD. These classes help to control the types of BD that the family watches, There are up to 8 censorship classes for BD.

5. System Menu



5.1 Optical Disc AutoPlay

The two options for Optical Disc AutoPlay are:

Disable - Media Launcher must be used to select optical discs .

Enable - Optical discs playback automatically without use of Media Launcher



SYSTEM SETUP

5.2 Screen Saver Duration

Sets the time of entering screen saver status (Black screen), if the screen saver duration is off, there will not be appear black screen.

5.3 Auto Power Down

Auto Power Down automatically turns the player off if no settings are changed after a selected period of time (5, 10, 20 or 30 minutes).

5.4 CEC

This option is used to allow the TV remote control to control certain functions of the Blu-Ray player; and for the Blu-Ray player to control certain functions of the TV.

On: Allow mutual control of devices through HDMI.

Off: Do not allow Inlink control.

Note: Not all TVs are compatible with your Blu-Ray Player.

5.5 Update Via Network

Download and install product updates for your player.

5.6 Restore Factory Defaults

Restore factory settings: reset your player to the default factory settings.

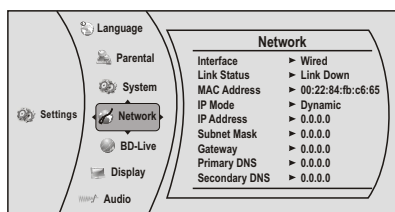
Note:

This **DOES** reset the Parental Control Password.

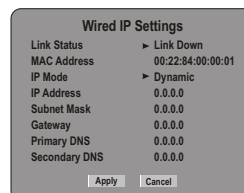
5.7 System Information

Select System Information, then press ENTER. The System Information screen opens, showing the relevant software version information.

6. Network Menu



Press ENTER button, the setting menu opens:



6.1 Link Status

The link status menu items show if the current network is connected or not.

6.2 IP Mode

The IP Mode option provides three configuration modes for IP:

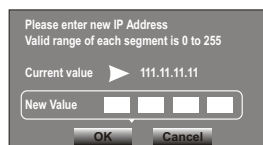
Dynamic - Enables DHCP.

Manual - Requires user to configure network settings such as IP address, subnet mask, gateway, etc.

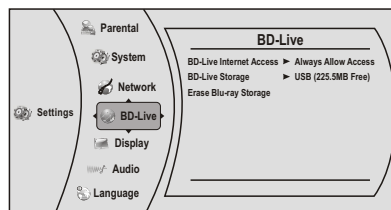
Off - Disables network interface.

Note: it is able to show subnet mask, gateway, primary DNS, secondary DNS and IP address, when "IP MODE" set as "MANUAL".

IP address and other settings:



7. BD-Live Menu





7.1 BD-Live Internet Access

It provides three options:

Limit Access - Allow BD-Live network access except when there are Case-1 and Case-2 errors from a DRM-certified network connection. This check is performed at disc insertion .

Always Allow Access - Always allow BD-Live Internet access regardless of Case-1 and Case-2 errors .

Prohibit Access - Never allow BD-Live Internet access.

7.2 BD-Live Storage

To show the available capacity for BD-LIVE storage, press "enter" button to access the selection to delete BD-LIVE files.

7.3 Erase Blu-ray Storage

To delete any BD-Live content that has been downloaded from the internet.



FREQUENTLY ASKED QUESTIONS

Questions	Results
Can headphones and speakers be directly connected to this unit?	You cannot directly connect them to this unit. Connect through the amplifier/receiver, etc.
My television has COMPOSITE VIDEO IN and HDMI IN terminal. Which should I connect with?	The different levels of picture quality input are listed below in order from highest to lowest. HDMI IN ≧ COMPOSITE VIDEO IN. However, it will take longer for the picture output to start up when this unit is connected with the HDMI IN terminal.
Can I play BD-Video and DVD-Video bought in another country?	You can play them if the video standard is NTSC, however, you cannot play: - BD-Video discs that do not include region "B" . - DVD-Video discs that do not include region "4" . Refer to the disc's jacket for more information.
Can BD-Video/DVD-Video that does not have a region code/number be played?	The region management information for BD-Video/DVD-Video indicates that the disc conforms to industry standards. You cannot play discs that do not conform to industry standards or do not have a region code or number.
Please tell me about disc compatibility with this unit.	This unit plays BD-Video, DVD-Video, CD, JPEG), DVD-RAM (DVD Video Recording format/AVCHD format/JPEG), DVD-R/RW (DVD-Video format and DVD Video Recording format), DVD-R DL (DVD-Video format and DVD Video Recording format), +R, +RW and +R DL.
	This unit also plays CD-R/RW discs which have been recorded in one of the following standards: CD-DA and still pictures (JPEG). Close the session after recording.
	You cannot write to a disc with this unit.



TROUBLE SHOOTING

Please check the following guide for the possible cause and solution for a problem before contacting the nearest service center or dealer for repairs.

The following do not indicate a problem with this unit:

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

To reset this unit

To return all settings other than some settings to the factory preset	Select Yes in Restore Default Settings in the Setup menu. This returns all values in the Setup menu and the on-screen menu, except for parental setting to the default settings.
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POWER

No power.	Insert the AC power supply cord securely into a known active AC outlet.
The unit switches to standby mode.	This is a power saving feature.
	One of the unit's safety devices is activated. Press [STANDBY/ON] on the main unit to turn the unit on.

Operation

The remote control doesn't work properly.	The batteries are depleted. Replace them with new ones.
	You are not pointing the remote control at the main unit's remote control signal sensor during operation.
	Colored glass may obstruct the signal reception/transmission.
	Don't place the signal sensor in direct sunlight or in areas that may be subject to sunlight exposure.
The unit is on but cannot be operated.	Confirm the correct drive is selected.
	Some operations may be prohibited by the disc.
	Reset the unit as follows: 1.Press [STANDBY/ON] on the main unit to switch the unit to standby. If the unit doesn't switch to standby, Alternatively, disconnect the AC power supply cord, wait one minute, then reconnect it. 2.Press [STANDBY/ON] on the main unit to switch it on. If the unit still cannot be operated, consult the dealer.
	Condensation has formed: Wait 1 to 2 hours for it to evaporate.
Play fails to start even when (PLAY) is pressed. Play starts but then stops immediately.	Insert the disc correctly with the label facing up.
	The disc is dirty.
	You tried to play a blank disc or unplayable disc on this unit.
Startup is slow. When the unit is turned on, audio and video output takes a long time.	Startup takes time in the following situations. – Immediately after a power failure or the AC power supply cord is connected. – When the unit is connected with an HDMI cable.



TROUBLE SHOOTING

Auto open in reading the disc.	The disc is dirty or any scratch.
	the format of the disc is not supported.
	Try to reset the unit and press STANDBY/ON button, wait for 5 seconds, and then press this button again.
Audio and video momentarily pause in reading disc.	The disc is dirty or any scratch.
	Check the TV system setting, switch PAL/NTSC TV system in setup menu.
	Try to reset the unit and press STANDBY/ON button for 5 seconds, and then press this button again.
The unit is on with start logo and menu but has no image from the disc.	The disc is dirty or any scratch.
	Try to reset the unit and press STANDBY/ON button, wait for 5 seconds, and then press this button again.
The unit freezes in reading CD-R/DVD-R disc	Reset the unit, when you see " loading " on the screen, press OPEN/CLOSE button to take out the disc, clean the disc and try it again.
	If the unit freezes again, The disc may have some contents the unit can't support, please stop playing the disc in this unit.

TV screen and video

The images from this unit do not appear on the television. Picture is distorted.	Make sure that the television is connected to the VIDEO OUT terminal, COMPONENT VIDEO OUT terminals or HDMI AV OUT terminal on this unit.
	Make sure that the television's input setting (e.g., VIDEO 1) is correct.
	The device is likely to enter screen saver status .
Video is not output in high definition.	Try to reset the unit and press STANDBY/ON button for 5 seconds, and then press this button again.
	High definition video cannot be output through the VIDEO OUT.
	Confirm that the HDMI Resolution and Component Video Resolution in the Setup menu are set properly.
The 4:3 aspect ratio picture expands left and right. Screen size is wrong.	Depending on the BD-Video, output from the COMPONENT VIDEO OUT terminals may be restricted to 480p/576p.
	Use the television to change the aspect. Refer to your television' s operating instructions.
	When using a component video cable, set " TV Aspect " to "4:3 Pan & Scan".
There is no apparent change in picture quality when adjusted with the Video menu in the on-screen menu.	The effect is less perceivable with some types of video.
When it is playing BD-LIVE disc, Video output is black screen, please according right methods to checking and operating	Selecting Clear BD storage on menulist, having restart signal or not after closing working.
	Please check the internet is ok or not. Some of the disc need the support of internet.
	Please check the plug with connecting cable,if it is loose, pls insert again.



TROUBLE SHOOTING

Sound

No sound.Low volume. Distorted sound. Cannot hear the desired audio type.	Check the connections and the "Digital Audio Output" settings. Check the input mode on the amplifier/receiver if you have connected one.
	Press [AUDIO] to select the audio.
	The sound effects (Re-master, V. Surround, etc.) will not work when the bitstream signal is output from the HDMI AV OUT terminal or the DIGITAL AUDIO OUT terminal.
	When "BD-Video Secondary Audio" is set to " Off ", Dolby Digital Plus, and Dolby TrueHD are output from the DIGITAL AUDIO OUT terminal as Dolby Digital or DTS Digital Surround bitstream.
Cannot switch audio.	Try to reset the unit and press STANDBY/ON button for 5 seconds, and then press this button again.
	There are discs for which audio cannot be changed because of how the disc was created.
	When connecting an amplifier/receiver using a coaxial cable or an HDMI cable, you cannot switch the audio if "Digital Audio Output " is set to " Bitstream " . Set " Digital Audio Output " to " PCM " or connect using audio cables.

HDMI connections

The 4:3 aspect ratio picture expands left and right. Screen size is wrong.	Change "TV Aspect " type to " 16:9 " .
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BD-Live and USB connections

Cannot connect network	please check if the disc is legal copy.
	Confirm whether the network connection is ok.
After network connection, cannot download file	Whether the capacity of Storage is full. if it is full, please clear storage in the setup menu and reset the unit.
	Confirm whether the network connection is ok
	Change USB device and then test it.
succeed in downloading file, but playback pause.	Confirm the device is USB 2.0. if it is USB 1.1, pause playing the file .
Pause playing the file in the USB device	Change USB device and then test it.



TROUBLE SHOOTING

Other difficulties with playback

Audio and video momentarily pause.	This occurs between playlist chapters or scenes ([AVCHD]).
	When playing a title recorded on both layers, the unit automatically switches between layers and plays the title in the same way as a normal program. However, video and audio may momentarily cut out when the unit is switching layers.
BD-Video or DVD-Video is not played.	Ensure the disc is for the correct BD-Video region code or DVD-Video region number, and is not defective.
	You have set a ratings level to limit BD-Video or DVD-Video play. Change this setting.
	Some BD-Video can only be output with HDMI.
Picture-in-picture is not played with BD-Video.	Confirm whether the disc supports picture-in-picture.
No subtitles.	Subtitles are not recorded on the disc.
	Turn the subtitles on. Set "Subtitle" on the on-screen menu to "On".
Angle cannot be changed.	Angles can only be changed during scenes where different angles are recorded.
The resume play function does not work.	Memorized positions are canceled when <ul style="list-style-type: none">- pressing [■] several times.- opening the disc tray.
	The resume play function may not work depending on the disc.



SPECIFICATIONS

System and Outputs

VF Signal system	NTSC/PAL
Video output	Electric level output: 1.0 Vp-p Resistance: 75Ω 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
Audio output (digital audio)	Coaxial digital output: Pin jack
Audio performance	Frequency response: 20Hz~20kHz S/N ratio: 90 dB Dynamic range: 80 dB Total harmonic distortion: 0.004 %
HDMI output	Output format: 480i/480p/576i/576p/720p/1080i/1080p

General

Power	110V-240V ~ 50/60Hz
Power consumption	15W
Product Dimensions	L: 280mm W: 240mm H: 40mm
Weight	1.6kg
Operating temperature	5°C to 35°C (41°F to 95°F)
Operating humidity	10% to 80%

Note: We reserve the right to modify the design without advice!

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