MOMITSU

BDP-899

BLU-RAY DISC Player

Instruction Manual

Read this manual before installation and use

Content

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings, install in accordance with the instructions.
8) Do not install near any heat sources such as radiations, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protected 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) Unplug this apparatus during lighting storms or when unused for long periods of time.
13) 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.
14) Mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
15) The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloth, curtains, etc.
16) No naked flame sources, such as lighted candles, should be placed on the apparatus.
17) Attention should be drawn to the environmental aspects of battery disposal.
18) The use of apparatus in moderate climate.
19) Portable Cart Warning
   A product and cart combination should be moved with care.
   Quick stop, excessive force, and uneven surface may cause
   the product and cart combination to overturn.

(Symbol provided by RETAC)

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
WARNING: The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

The symbol indicates that dangerous voltages constituting a risk of electric shock are present within this unit.

The symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

This symbol indicates that this product incorporates double insulation between hazardous main voltage and user accessible parts. When servicing use only identical replacement parts.

- Please use the original box and packing materials for safe transportation of this product.
- It is normal for the cover and rear panel to become warm after the player has been in operation for an extended period of time.
- Do not move this product during playback. Doing so may cause damage to the pickup and the disc.
- Press OPEN/CLOSE on the front panel or remote to open or close the disc tray. Do not push or touch the tray while it is opening or closing.

Disc formats supported by this player:

Blu-ray Disc	BD-ROM	32	Subtitle choices
DOLBY DIGITAL	Dolby Digital	8	Audio choices
DVD VIDEO	DVD video	dts-HD Advanced Digital Out	DTS-HD
9	Multi-angle	R RESTRICTED	Parental Lock

CE

You can help protect the environment!
Please remember to respect the local regulations: hand in the non-working electrical equipments to an appropriate waste disposal center.

Player Features

Supports a Variety of Video Disc Types
Supports Blu-ray (BD-ROM), DVD Video and DVD-RW/-R (V mode and finalized only) discs.

HDMI (High Definition Multimedia Interface)
HDMI reduces picture noise by allowing a pure digital video/audio signal path from the player to your TV.

Blu-ray Disc Features

Blu-ray Discs can store 25 GB (single layer) or 50 GB (dual layer) on a single sided disc - about 5 to 10 times the capacity of a DVD. Blu-ray Discs also support the highest quality HD video available in the industry - Large capacity means no compromise on video quality. Furthermore, a Blu-ray Disc has the same familiar size and look as a DVD.
* The following Blu-ray Disc features are disc dependant and will vary.
  Appearance and navigation of features will also vary from disc to disc.
  Not all discs will have the features described below.

Video highlights
The BD-ROM format supports three highly advanced video codecs, including AVC, VC-1, and MPEG-2.
HD video resolutions are also available:
- 1920 x 1080 High Definition
- 1280 x 720 High

DefinitionFor High-Definition Playback
To view high-definition contents on a Blu-ray Disc, an HDTV (High Definition Television) is required.
Some Blu-ray Discs may require using the player's HDMI OUT to view high-definition content. The ability to view high-definition content on Blu-ray discs may be limited depending on the resolution of your TV

Note:
- Some commercial discs and DVD discs purchased outside your region may not be playable with this product. When these discs are played, either "No disc." or "Please check the regional code of the disc." will be displayed.
- If a DVD-R/-RW disc has not been recorded properly in DVD video format, it will not be playable.

Region code

Both the Blu-ray Disc Player and the discs are coded by region. These regional codes must match in order to play the disc. If the codes do not match, the disc will not play.
The Region Number for this Blu-ray Disc Player is described on the rear panel of the Blu-ray Disc Player.

Disc Type	Blu-ray	DVD-VIDEO
Region code		

Blu-ray Disc Region Code	Area
A	North America, Central America, South America, Korea, Japan, Taiwan, Hong Kong and South East Asia.
B	Europe, Greenland, French territories, Middle East, Africa, Australia and New Zealand.
C	India, China, Russia, Central and South Asia.

DVD Region Code	Area
1	The U.S., U.S. territories and Canada
2	Europe, Japan, the Middle East, Egypt, South Africa, Greenland
3	Taiwan, Korea, the Philippines, Indonesia, Hong Kong
4	Mexico, South America, Central America, Australia, New Zealand, Pacifc Islands, Caribbean
5	Russia, Eastern Europe, India, most of Africa, North Korea, Mongolia
6	China

Blu-ray Disc Compatibility

Blu-ray Disc is a new and evolving format. Accordingly, disc compatibility issues are possible. Not all discs are compatible and not every disc will play back.

- Playback may not work for some types of discs, or when specifc operations, such as angle change and aspect ratio adjustment, are being performed. Information about the discs is written in detail on the disc 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.

- Discs with PAL programs recorded on them cannot be played using this product.

- When a BD-Java title is played, loading may take longer than a normal title, or some functions may perform slowly.

■ Discs which cannot be played on this player.

- HD DVD   • DVD-RAM   • CD-I
- DVD-ROM   • CVD   • CDGs play audio only, not graphics.
- CD-ROM   • CDV   • Super Audio CD(except CD layer)

■ Discs which can be played on this player (For the following discs, the ability to play back may depend on recording conditions.)

- BD-ROM   • DVD+RW   • DVD+R
- DVD-R   • DVD-RW (V mode)   • CD-RW/CD-R
- The unit may not play certain CD-RW/CD-R and DVD-R due to the disc type or recording conditions.

■ Blu-ray is a new and evolving format. Accordingly, disc compatibility issues with new and existing format discs are possible. Not all discs are compatible and not every disc will playback.

For additional information, refer to the Disc Type and Characteristics and Compliance and Compatibility Notice sections of this Manual. If you encounter compatibility problems, please contact Sherwood customer care center.

Disc Types

■ BD-ROM

Blu-ray Disc Read Only Memory. A BD-ROM disc contains pre-recorded data. Although a BD-ROM may contain any form of data, most BD-ROM discs will contain movies in High Definition format, for playback on Blu-ray Disc Player's. This unit can play back pre-recorded commercial BD-ROM discs.

■ BD-RE/BD-R

Blu-ray Disc Rewritable/Blu-ray Disc Recordable. BD-RE/BD-R is the ideal format for making backups, or recording personal video.

■ DVD-Video

- A digital versatile disc (DVD) can contain up to 135-minutes of images, 8 audio languages and 32 subtitle languages. It is equipped with MPEG-2 picture compression and Dolby Digital surround, allowing you to enjoy vivid and clear theatre quality images.
- When switching from the first layer to the second layer of a dual-layered DVD Video disc, there may be momentary distortion in the image and sound. This is not a malfunction of the unit.
- Once a DVD-RW/-R recorded in Video Mode is fnalized, it becomes DVD-Video. Pre-recorded (pre-stamped) commercial DVDs with movies are also referred to as DVD-Videos. This unit can play back pre-recorded commercial DVD discs (DVD-Video discs) with movies.

■ Audio CD

- An audio disc on which 44.1kHz PCM Audio is recorded.
- This unit can play back CD-DA format audio CD-RW and CD-R discs.
- The unit may not be able to play some CD-RW or CD-R discs due to the condition of the recording.

- CD-RW/CD-R
  - Use a 700MB(80 minutes) CD-RW/CD-R disc. If possible, do not use a 800MB(90 minutes) or above disc, as the disc may not play back.
  - If the CD-RW/CD-R disc was not recorded as a closed session, you may experience delays when playing back the beginning of the disc or all recorded fles may not play.
  - Some CD-RW/CD-R discs may not be playable with this unit, depending on the device which was used to burn them. For contents recorded on CD-RW/CD-R media from CDs for your personal use, playability may vary depending on contents and discs.

- DVD-R Disc Playback
  - Once a DVD-R recorded in Video Mode is fnalized, it becomes DVD-Video.
  - This unit can play back DVD-R discs recorded and fnalized with a DVD video recorder. It may not be able to play some DVD-R discs depending on the disc and the condition of the recording.

- DVD-RW Disc Playback
  - Playback can be performed with DVD-RW discs recorded in the Video Mode and fnalized.
  - Once a DVD-RW recorded in Video Mode is fnalized, it becomes DVD-Video. Ability to play back may depend on recording conditions.

Disc Format

- DVD-RW/-R (V)
  - This is a format that is used for recording data on a DVD-RW or DVD-R disc. The disc can be played by this Blu-ray Disc Player once it has been fnalized.

DISC STORAGE & MANAGEMENT

Disc Handling

- Disc Shape
  - Use discs with regular shapes. If an irregular disc (a disc with a special shape) is used, this Blu-ray Disc Player may be damaged.

- Holding discs
  - Avoid touching the surface of a disc where recording is performed.

- Blu-ray Discs
  - If the player is not used for a long period of time, remove the Blu-ray Disc from the player and store it in its case.
  - Be careful not to leave fngerprints or scratches on the surface of the Blu-ray Disc.

- DVD-RW and DVD-R
  - Clean with an optional PD disc cleaner.
    Do not use cleaners or cloths for CDs to clean DVD-RW/-R discs.

- DVD-Video, Audio-CD
  - Wipe off dirt or contamination on the disc with a soft cloth.

- Cautions on handling discs
  - Do not write on the printed side with a ball-point pen or pencil.
  - Do not use record cleaning sprays or antistatic. Also, do not use volatile chemicals, such as benzene or thinner.
  - Do not apply labels or stickers to discs. (Do not use discs fxed with exposed tape adhesive or leftover peeled-off stickers.)
  - Do not use scratch-proof protectors or covers.
  - Do not use discs printed with label printers available on the market.
  - Do not load warped or cracked discs.

Disc Storage

Be careful not to damage the disc because the data on these discs is highly vulnerable to the environment.
- Do not keep under direct sunlight.
- Keep in a cool ventilated area.
- Store vertically.
- Keep in a clean protection jacket.
- If you move your Blu-ray Disc Player suddenly from a cold place to a warm place, condensation may generate on the operating parts and lens and cause abnormal disc playback. If this occurs, wait for two hours before connecting the plug to the power outlet. Then insert the disc and try to play back again.

Front Panel

① **Power Button**
Switches the unit ON or OFF.

② **Disc Tray**
Insert a disc here.

③ **BD Light**
BD Player is on, this show BLUE light.

④ **Display Window**
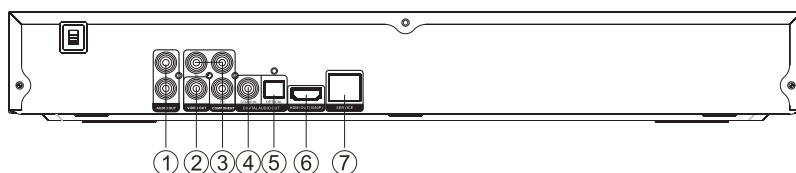Shows the current status of the player.

⑤ **Remote Sensor**
Point the Remote Control here.

⑥ **Open / Close Button**
Opens or closes the disc tray.

⑦ **Play / Pause Button**
Plays a disc or pauses playback.

⑧ **Stop Button**
Stops disc playback.

⑨ **PREV Button**
Go to previous track/chapter.

⑩ **NEXT Button**
Go to next track/chapter.

⑪ **Standby OFF Light**
In standby mode. this LED is show RED.

⑫ **USB Port**
Connect a USB Device.
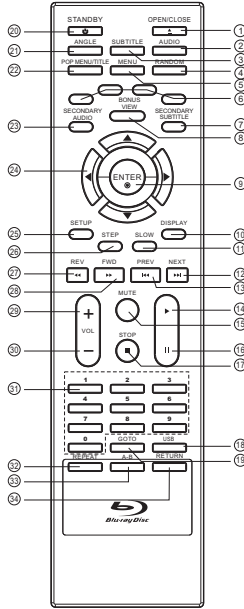
Rear panel

① **2 CH AUDIO OUTPUT(L,R)**

② **COMPOSITE VIDEO OUTPUT**

③ **COMPONENT VIDEO OUTPUT(Y, Pb, Pr)**

④ **DIGITAL AUDIO COAXIAL OUTPUT**

⑤ **DIGITAL AUDIO OPTICAL OUTPUT**

⑥ **HDMI OUTPUT**

⑦ **SERVICE(RJ45 FOR BD-LIVE)**

Remote Control
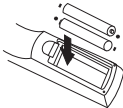
⑳ STANDBY	❶ OPEN/CLOSE
㉑ ANGLE	❷ AUDIO
㉒ POP MENU/TITLE	❸ SUBTITLE
㉓ SECONDARY AUDIO	❹ RANDOM
㉔ MOVE(▲、▼、◀、▶)	❺ MENU
㉕ SETUP	❻ COLOUR (RED, GREEN, YELLOW, BLUE)
㉖ STEP	❼ SECONDARY SUBTITLE
㉗ REV	❽ BONUS VIEW
㉘ FWD	❾ ENTER
㉙ VOL+	❿ DISPLAY
㉚ VOL-	⓫ SLOW
㉛ 0-9 NUMBER KEY	⓬ NEXT
㉜ REPEAT	⓭ PREV
㉝ A-B	⓮ PLAY
㉞ RETURN	⓯ MUTE
	⓰ PAUSE
	⓱ STOP
	⓲ USB
	⓳ GOTO

Battery installation

1.Open the cover   2.Install batteries   3.Close the cover

Using the remote
Point the remote control at the remote sensor.
(The pictures below are for reference only.)

Notes:
- Point the remote control directly at the player's remote sensor.
- Do not leave the remote control in an extremely hot or humid place.
- Do not spill water or put anything wet on the remote control.
- Inserting the 2AAA 1.5V batteries making sure the polarity (+ or -) of the batteries matches the polarity marks inside the unit.

TV Set Connections
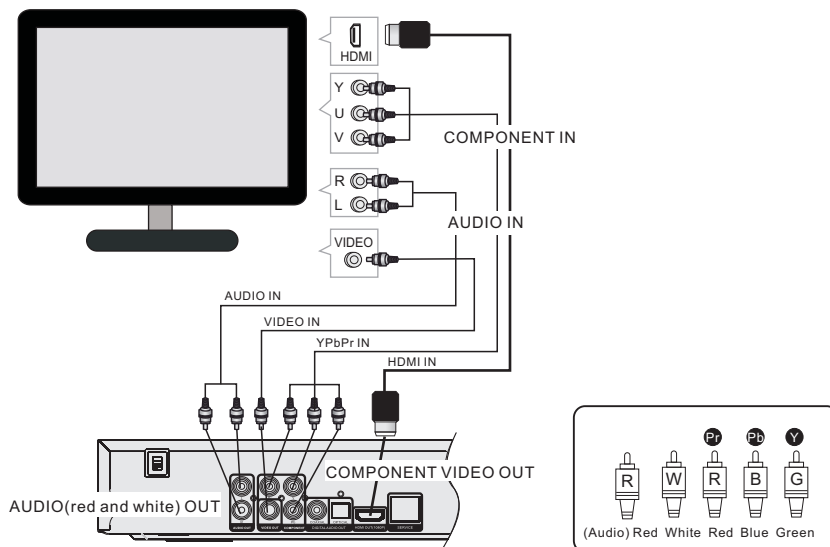
● **CONNECT BD PLAYER TO TV SET BY AV CABLE**

Connect the BD player's L and R jack to the audio input jack on the TV.
Connect the BD player's video out jack to the video input jack of TV.

● **CONNECT THE BD PLAYER TO TV SET USING THE Y/Pb/Pr JACKS**

Use the COMPONENT Cable(not supplied) to connect BD player to your TV.
Connect the BD player's Audio output L and R jack to the audio input jack on
the TV.

● **CONNECT THE BD PLAYER TO TV SET USING THE HDMI OUTPUT**

Use the HDMI cable (not supplied) to connect BD player to your TV.

Digital Audio Connections

● **Connecting to an AV Amplifier with Digital Audio Input**

Coaxial cable   or   Optical cable

Coaxial   Optical
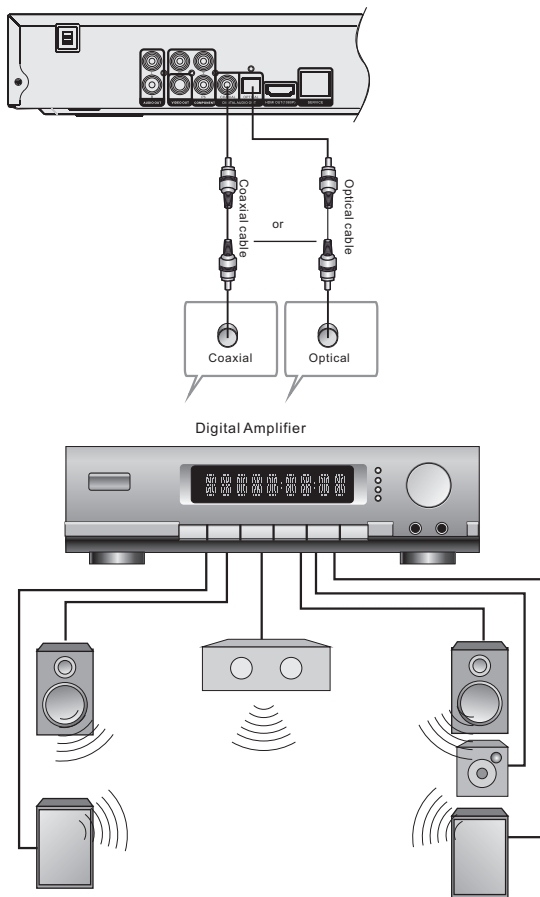
Digital Amplifier

Notes:

1. Select the Coaxial or Optical digital audio output.

2. Set the digital Amplifier to the AV input connected to the BD player.

Using USB Devices

- **How to connect USB storage devices**

  USB thumb drive (not supplied)
  1. Connect USB thumb drive/HDD/memory adapter to BDP-899 USB port.
  2. Navigate to the file you want to play (page 24).
  3. To enjoy additional content (such as BonusView/BD-Live) on certain Blu-Ray Disc titles, you will need to use external memory.
  NOTE:
        * Please note BDP-899 is using USB 2.0.
        * USB external hard disk support up to 500mA.
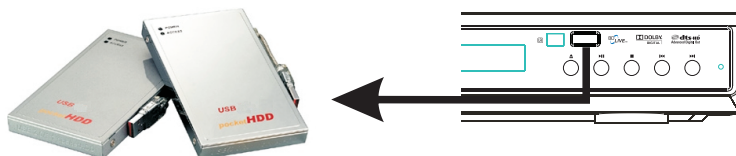
USB external hard disk

USB thumb drive

USB card reader

Network Connections

● **Using Ethernet connection to Network**

Connect the LAN terminal of the player to your Internet source using a Network cable to update the player's software.
You can also enjoy the BD-Live function(page 27).

10/100Mbps cable(not supplied)
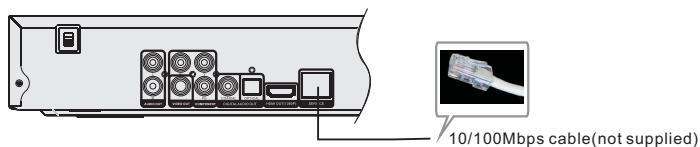
Connect through a Network Hub or Switch

Internet   Network Cable   ADSL modem/
Cable modem   Network Cable   Hub/Switch   Network Cable   BDP-899
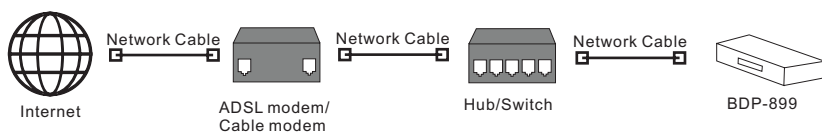
Connect through a wireless LAN router

Internet   Network Cable   ADSL modem/
Cable modem   Network Cable   802.11g/n Wireless
access point

BDP-899   Network Cable   Hub/Switch   Network Cable   802.11g/n Wireless
access point
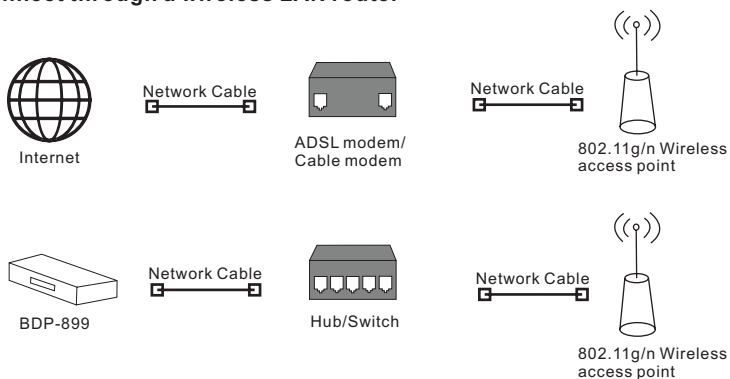
To enjoy the BD-Live function
See "BonusView/BD-Live" (page 33).

Function Operation

OPEN/CLOSE
To open the disc tray, press OPEN/CLOSE; To close the disc tray, press OPEN/CLOSE again.

AUDIO
During BD, DVD playback, press AUDIO can select different audio language.
During VCD playback, press AUDIO button to switch between LEFT/RIGHT/STEREO channels.

SUBTITLE
Press the button to choose different captions*(Requires support from disc).*
- Depending on the Blu-ray Disc /DVD, you may be able to change the desired subtitle in the Disc Menu. Press the DISC MENU button.
- This function depends on what subtitles are encoded on the disc and may not be available on all Blu-ray Disc /DVDs.
- A Blu-ray Disc can contain up to 255 subtitle languages and a DVD up to 32.
- Information about the primary / secondary mode will be also displayed if the Blu-ray Disc has a BONUSVIEW section.
- This function changes both the primary and secondary subtitles at the same time.
- The number of subtitles is the sum of primary and secondary ones.

RANDOM
During CD playback, press RANDOM button for random sequence playing.

MENU
During BD, DVD playback, press MENU to display the disc menu of the current title.
Note: *This function is subject to the disc.*
During VCD playback, press MENU to control PBC ON/OFF.

COLOUR(RED/GREEN/YELLOW/BLUE)
Use the buttons as indicated by the video display during BD-ROM disc playback.
(Requires disc support)

DISPLAY
Press the button to show the information of the current playing disc.

A-B
During playback, press A-B to select point A, press it again to select point B. The player will repeat the section from A to B automatically. Press A-B a third time to cancel A-B repeat and clear points A and B.*(Requires disc support)*
Note*: During CD/VCD playback, points A and B must be within the same track. During BD, DVD playback, points A and B can be selected from different chapters.*

ENTER
Press the button to confirm your choice on screen.

RETURN
When VCD disk playing, press RETURN button to return to Main menu (PBC ON only).
During BD/DVD playback, it acts like RESUME

SLOW
During BD, DVD, VCD or SVCD playback, press SLOW for slow motion playback. Once you press SLOW, the disc will play at different speed. Press PLAY to resume normal playback.
- No sound is heard during slow mode.
- Slow motion operates only in the forward direction.

NEXT
During BD, DVD,CD or VCD playback, press NEXT to play the next chapter, title or track.

PREV
During BD, DVD, CD or VCD playback, press PREV to play the previous chapter, title or track.

PLAY
In pause state or stop state, press the button, the player will be in playing state.

MUTE
Press MUTE to turn off the audio, press MUTE again to resume normal sound.

PAUSE
In play state, press the button for the first time and the player will be in pause state.

STOP
Press the button once and the player will be in memory stop state. Continuously press this button twice and the player will be in complete stop state.

USB
Switch between DISC and USB for file(MP3/WMA/JPEG/MPEG4) playback under stop mode, or for BD-Live extenal storage.

GOTO
During BD/DVD playback, press GOTO button to choose the desired title or chapter, and search the desired title time or chapter time.
During VCD playback, press GOTO button to search the desired disk time or track time, and choose the desired track.(only valid on PBC off)
During CD playback, press GOTO button to search desired track

STANDBY
Press the button to switch the power between normal work mode and standby mode.

ANGLE
Press ANGLE button to view the scene from different angles, this function is disc dependent.

BonusView
Press BonusView button to play the secondary video.
(Picture in picture mode, this function is disc dependent).

Secondary Subtitle
Press Secondary Subtitle button to choose subtitle language for the secondary video. (this function is disc dependent)

Secondary Audio
Press Secondary Audio button to choose audio language for the secondary audio (this function is disc dependent).

POP MENU/TITLE
Press the button to enter the appointed title.*(Requires disc support)*
During BD playback, press the button to display the disc s popup menu.

REPEAT
Each press of the REPEAT button will change the repeat mode.
During VCD, CD playback, there are three modes: repeat Single, repeat ALL and Off.
During BD, DVD playback, there are three modes: Repeat Chapter, Repeat Title and OFF.
Note*: During VCD playback, the PBC mode must be set to Off.*

Direction key(UP/DOWN/RIGHT/LEFT)
Press the keys to move the highlighted bar or cursor on any menu to your selection.

SETUP
Press the button to enter the system setting menu in Stop mode. Press the button again to exit the menu.

STEP
Press STEP to step a single frame/ picture forward during playback. Press STEP several times to step several frames/ pictures forward. Press play to resume playback.

REV
During BD, DVD, CD or VCD playback, press REV to scan in reverse. The player will review the disc at different times speed. Press PLAY/PAUSE to resume normal playback.

FWD
During BD, DVD, CD, or VCD playback, press FWD to scan forward. The player will cue the disc at different speed. Press PLAY/PAUSE to resume normal playback.

VOLUME+/-
Press **VOL+** to increase volume and press VOL- to decrease volume.

0-9 keys
These keys are used to input the time, as well as title, chapter and track numbers. When a numeric item is displayed on the screen, press the 0-9 keys to select the desired entry, and press ENTER to confirm. When a VCD is playing(with PBC off), press the 0-9 keys to select a track directly.

System Setup

Press SETUP button on remote controller under STOP or NO DISC status to bring
up setup menu. In setup menu, using UP/DOWN/LEFT/RIGHT and ENTER button to
configure settings, press SETUP button to exit setup menu.

1. Language Setup

Setup Menu---Language

Audio Language	Auto
Subtitle Language	None
Menu Language	Auto
OSD Language	English

ENTER
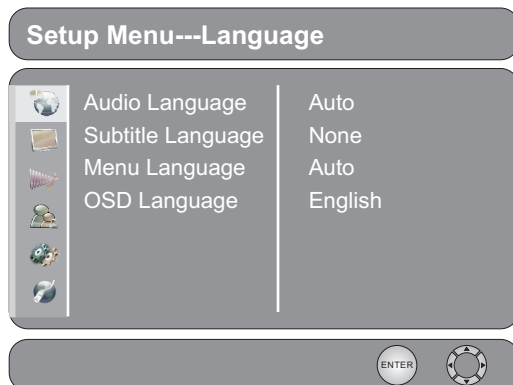
1.1 Audio Language :   Select default audio language for BD/DVD.

1.2 Subtitle Language: Select default subtitle for BD/DVD.

1.3 Menu Language: Select default menu language for BD/DVD.

1.4 OSD Language: Select your language for player OSD

2. Display Setup

Setup Menu---Display Menu

TV Type	NTSC
TV Aspect	16:9
Resolution	HDMI Auto
Color Space	xvYCC
Film Mode	Off

ENTER
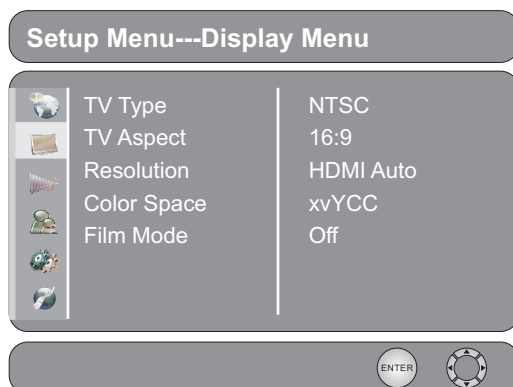
2.1 TV Type: Select TV type.

2.2 TV Aspect: Select display configuration for disc.
    16:9:   Content presented in 16:9 geometry for wide screen TVs.
    16:9PB: Content presented in 4:3 geometry or cropped content for wide screen TVs.
    4:3LB: Content presented in 4:3 geometry with horizontal black bars on top and
                bottom for conventional TVs.
    4:3PS: Content cropped to fit within 4:3 geometry for conventional Tvs.
    Note: *4:3LB and 4:3PS only take effect under SD resolution (480i/P or 576i/P)*

2.3 Resolution: Select desired resolution.

2.4 Color Space
    User can select the best color space the TV supported for best color effect
    xvYCC: player implements a fallback algorithm in which the flow is xvYCC->YCC->
          RGB base on EDID information via HDMI
    YCC: player implements a fallback algorithm in which the flow is YCC->RGB base
        on EDID information via HDMI
    RGB: player will output video using RGB color space
    Note: *Color space setting only affects HDMI video output. Choose correct option*
           here. if you know the color space feature of TV, choose xvYCC option to let
           player deicde for you. For some special case, e.g. the TV has wrong EDID
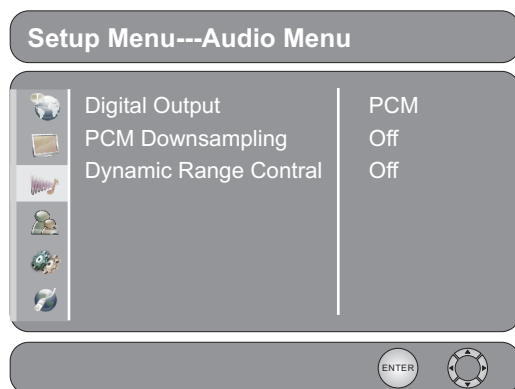   *information, please change color space to RGB.*

2.5 Film Mode
    On: player will output disk content recorded at 24 frames per second directly
    Off: player will convert 24frams/sec content to 1080p 60Hz output
    Note: *This item is only affect HDMI output, if no HDMI connect to player or TV does*
          not support 1080p24Hz, it will act as off.

3. Audio Setup

```
┌─────────────────────────────────────────┐
│  Setup Menu---Audio Menu                 │
└─────────────────────────────────────────┘
┌─────────────────────────────────────────┐
│  🌐 │  Digital Output        PCM          │
│  📁 │  PCM Downsampling      Off          │
│  🎵 │  Dynamic Range Contral  Off         │
│  👥 │                                     │
│  🎨 │                                     │
│  💿 │                                     │
└─────────────────────────────────────────┘
┌─────────────────────────────────────────┐
│                        (ENTER)   ✛       │
└─────────────────────────────────────────┘
```

3.1 Digital output: Choose preferred option for digital out based on receiver connected to player.

PCM Stereo: Mixed digital audio sent over HDMI and SPDIF in two-channel PCM format.

PCM 5.1CH: Mixed digital audio sent over HDMI in 5.1CH PCM (if supported by HDMI device) format and SPDIF in two-channel PCM format.

PCM 7.1CH: Mixed digital audio sent over HDMI in 7.1CH 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 DD+, 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.

Note: *Primarily intended for customers with SPDIF 5.1CH receivers who want to enjoy mixed BD audio in surround sound.*

3.2 PCM Downsampling: Sets maximum sampling rate for the SPDIF digital audio output (as some SPDIF receivers do not support 192 kHz or even 96 kHz).

48 KHz: Downsample audio with sample rates over 48 kHz.

96 KHz: Downsample audio with sample rates over 96 kHz.

Off :   No downsampling on SPDIF output.

3.3 Dynamic Range Control: Reduces loudness difference between soft and loud parts of the audio track.

On: Enables dynamic range control for all codecs.

Follow: Enables dynamic range control for all codecs. MLP streams use the DRC level embedded in the audio stream itself.

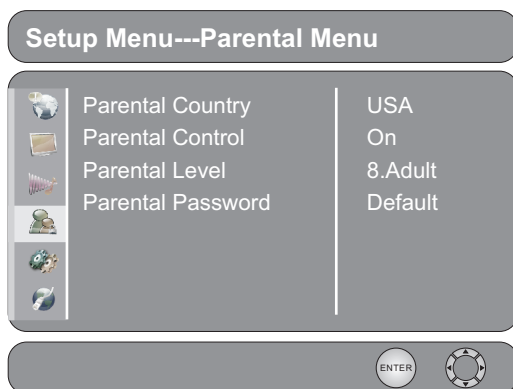Off: Turns off dynamic range control.

4. Parental Control:

Setup Menu---Parental Menu

Please Input 4-Digit parental password:---

Parental Country   (ENTER) (◌)

Enter right password to enter parental control menu.

Setup Menu---Parental Menu

	Parental Country	USA
	Parental Control	On
	Parental Level	8.Adult
	Parental Password	Default

ENTER

*Note: Factory default password is **6666**.*

4.1 Parental Country: Select the movie intended for your residential area.
  USA: Parental country set to USA.
  International: Parental country set to others

4.2 Parental Control: Activate parental control.
  Off: Turn off parental control.
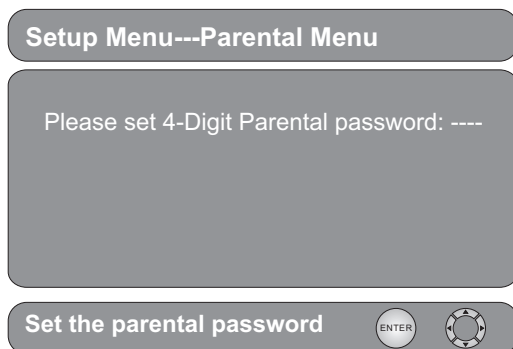 On: Turn on parental control.

4.3 Parental Level: Select parental control level, disc cannot be played if preset level
               on disc exceeds the level user set.
  1.Kid Safe   2.G   3.PG   4.PG-13   5.PG-R   6.R   7.NC-17   8.Adult
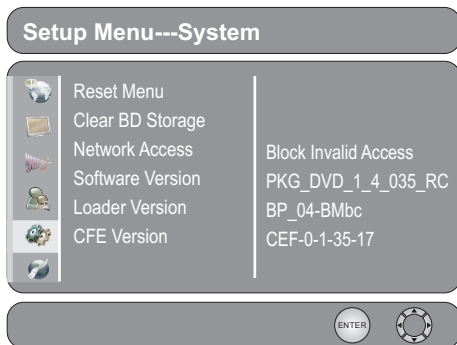
4.4 Parental Password: Set parental password.
  Default: Reset to default password
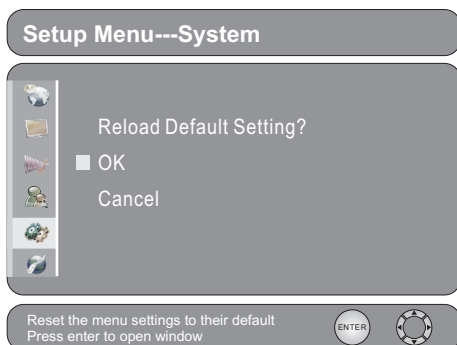 User Define: Setup user define password

 User defined password setting for parental control.

Setup Menu---Parental Menu

  Please set 4-Digit Parental password: ----

Set the parental password   ENTER

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5. System Setting

Setup Menu---System

🌐	Reset Menu	
📁	Clear BD Storage	
📶	Network Access	Block Invalid Access
🔍	Software Version	PKG_DVD_1_4_035_RC
🌐	Loader Version	BP_04-BMbc
💿	CFE Version	CEF-0-1-35-17

ENTER ◉

5.1 Rest Menu: menu for setting configurations to factory default.

Setup Menu---System

Reload Default Setting?

■ OK

Cancel

Reset the menu settings to their default
Press enter to open window   ENTER ◉

5.2 Erase Nonvolatile storage:
Menu for erasing storage Partition base on BD-T requirement.

Setup Menu---System

Erase Nonvolatile storage?

■ OK

Cancel

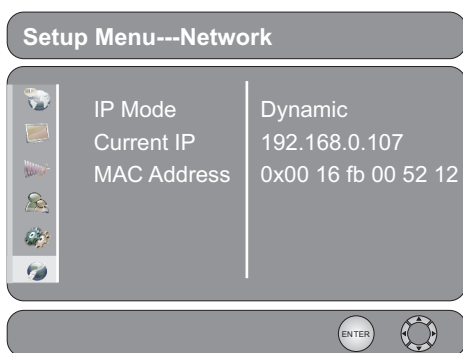Erase storage for Blu-ray discs   ENTER ◉
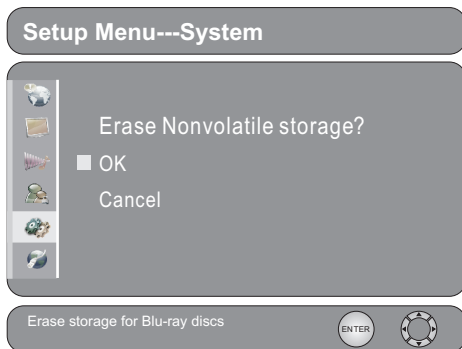
5.3 Network Access: Please set its value to Always Allow Access, if you want to access internet (network access is disc dependent).

5.4 Software Version: Show player software version(will be changed base on software)**.**

5.5 Loader Version: Show loader software version(will be changed base on software).

5.6 CFE Version: Show software version(will be changed base on software).

6. Network Setting

Setup Menu---Network

IP Mode	Dynamic
Current IP	192.168.0.107
MAC Address	0x00 16 fb 00 52 12

ENTER

6.1 IP Mode: Set IP address obtain mode player, if you set IP mode to manual, you need input IP address, gateway address, etc., manually after system pop up IP setting menu.

6.2 Current IP: Show current IP information.

6.3 MAC Address: Show MAC address of player.
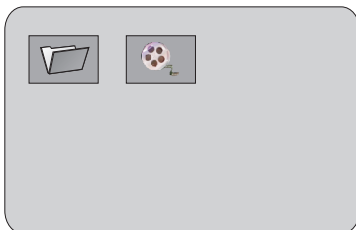
File Disc(MPEG4/WMA/MP3/JPEG) Playback

- System will pop up a navigation selection menu (see below picture) after read out a disc with MPEG4/WMA/MP3/JPEG files.
- After inserted USB with MPEG4/WMA/MP3/JPEG files, press USB key under no disc, "STOP" or file browser status, system will pop up navigation selection menu for USB. (See below picture)
- You should select Video to play MPEG4 files, or Music/Picture to view pictures and listen music.
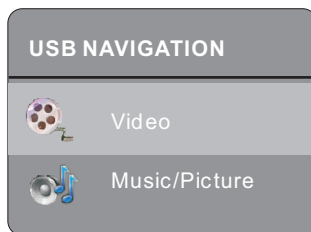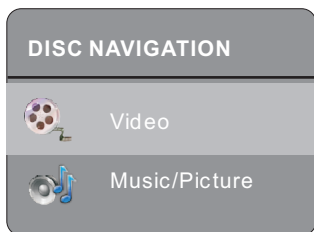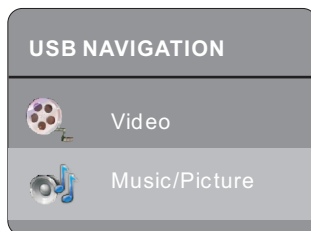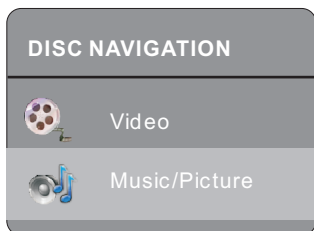

After select video for MPEG4 playback, system will bring a file browser like picture below.Enjoy yourself now with movies!

Note:
- Press "USB" key during usb operation, player will back to disc operation.
- Press "STOP" button under file browser status, system will pop up navigation selection menu, you can switch between video playback and Music/Picture playback for Video/Audio/Picture mixed disc.


If you want to enjoy music or view photoes, you can select Music/Picture in pop up menu below.

After read out the device with WMJ files, player will list all directories and files in root directory as below picture shown. Press MENU key to bring up a pop up menu which guide you for special features, press LEFT button to exit pop up menu, press NAVIGATION buttons on remote controller to select desired item for playback or enter next level directory.
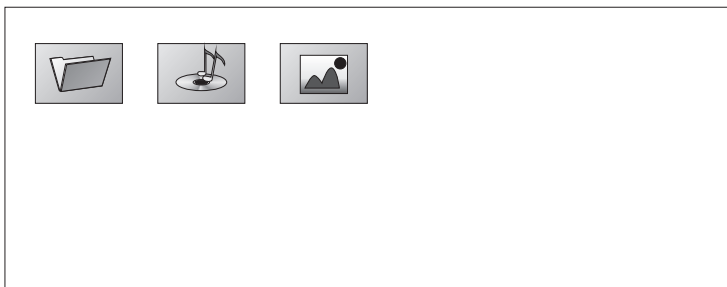
For music files, in pop up menu, user can add current file into play list as favorite songs, and set current file as background music while JPEG slide show.

Play	
Add Play List	>
Set As BGM	>

For Play list operation, in pop up menu, user can set play mode, audio mode, and remove songs which have been added into play list.

Play	
Set Play Mode	>
Set Audio Mode	>
Play list	>

For JPEG files, in pop up menu, user can choose to play current JPEG or slide show JPEG files

Play	
Start Slide Show	⟩
Properties	⟩

For single JPEG file playback, user can change to slide show mode with different transition effects, rotate current picture or choose "Properties" to see detail file information.

Start Slide Show	
Rotate	⟩
Properties	⟩

For JPEG slide show operation, user can set time interval or transition effects for JPEG slide show and enable background music playback while JPEG slide show.

Start Slide Show	⟩	Blend
Slide Show Duration	⟩	Film
Slide Show BGM	⟩	Shutter
		Fade
		Curtain
		None

BonusView /BD-Live

● Some BD-ROMs have bonus contents and other data that can be downloaded to the internal memory (local storage) or external memory for enjoyment.

1. Insert the USB Devices (not supplied) into the USB on the front of the player.

   The internal memory is used as the local storage.

   You can select an external USB memory as local storage to expend your memory capacity if needed.

   Make sure that the external memory is properly inserted into the player (page 13).

2. Connect the player to a network (page 14).

3. Set "Network Access" to "Always Allow Access" in the "System" setup (page 23).

4. Insert a BD-ROM with BonusView/BD-Live.

Note: *The operation method differs depending on the disc.*
       Refer to the instruction manual supplied with the disc.

● To delete all data in the internal memory at once.
  You can delete unnecessary data (page 22).

1. Press "SETUP".

2. Select "System" using ←/→.

3. Select "Clear BD Storage" using ↑/↓, and press "ENTER".

4. Select "OK" and press "ENTER".

Note: *All data in the internal memory will be deleted.*

Troubleshooting

If you have any questions, please consult the troubleshooting guide below.

NO PICTURE OR SOUND
● Ensure the power button is on.
● Ensure the power outlet is operational.
● Ensure the power cord is not damaged.
● Ensure the power plug is connected firmly to the outlet.

REMOTE NOT WORKING
● Make sure the Main unit's POWER button is on.
● Ensure the remote batteries are working.
● Point the remote control directly at the player's IR sensor.
● Remove any obstacles between the remote and the IR sensor.

PICTURE BUT NO SOUND
● Ensure the audio jacks are securely connected.
● Ensure the audio connector is not damaged.
● Ensure you have set the player's AUDIO settings correctly.
● Ensure you have entered the correct AV input for your TV.
● Ensure the audio is not set to mute.

UNIT NOT WORKING
● Turn off the power, and then turn it on again.

SOUND BUT NO PICTURE
● Ensure the video jacks are securely connected.
● Ensure you have entered the correct AV input for your TV.
● Ensure the video connector is not damaged.
● Ensure you have set the player's VIDEO settings correctly.

"NO DISC" DISPLAYED
● Ensure you have put the disc on the tray.
● Ensure the disc is not upside down.
● Ensure the disc is not distorted, stained or scratched.

POOR PICTURE OR SOUND
● Ensure you have set the player's AUDIO settings correctly.
● Ensure the disc is not scratched or stained.
● Ensure the AV connector or the output terminal is not damaged.

BD-Live feature does not work.
● Ensure that the unit is correctly connected to the local area network and can access the internet(page 14).
● External USB device is not connected.
● Format the USB device on your PC then re-connect it to the USB port on the unit.

Specifications

General
Power requirements: AC 100-240 Volt, 50/60Hz
Power consumption: 35W
Weight: 3.4KG
Dimensions: 430x55x260MM

Discs Compatibility:
BD,DVD,DVD+/-R/RW,VCD,CD-DA,CD-R/RW.

Video out
Video out: 1.0V(p-p)/75Ω, sync, negative polarity, RCA pin jack x 1

Audio out
2.0 channel out: RCA pin jackx2
Coaxial out: 0.5V(p-p)75Ω, RCA pin Jack x l
Frequency response: 20Hz to 20kHz
S/N ratio:>90dB
Total harmonic distortion: <-65dB

[Accessories]
Video/ Audio cable x 1
Remote Control x 1
Instruction Manual x 1
Battery x 2

Specifications are subject to change without notice.
Weight and dimensions are approximate.

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E-2.0V
C-0309N500