



## BD32 MkII AUDIOPHILE UNIVERSAL BLU-RAY PLAYER

Quick Setup Guide



PRIMARE

# USING THE REMOTE CONTROL

This page explains how to use the C24 remote control to operate the BD32 MkII, and how to fit the batteries into the remote control.

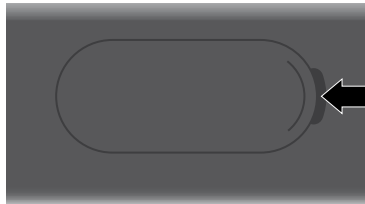
When using the remote control, the front window of the remote control should be pointed to the infrared sensor on the front panel within an angle of  $\pm 30^\circ$  and a range of about 26 ft.

**NOTE:** When a button is pressed but its function is invalid or unavailable at the moment, the TV screen displays a circle with a diagonal line.

## Fitting the batteries

Before using the remote control you need to insert the two button cells supplied with the C24.

- Open the cover on the back of the remote control by pressing the tab gently:



- Insert the two batteries, positive side uppermost:

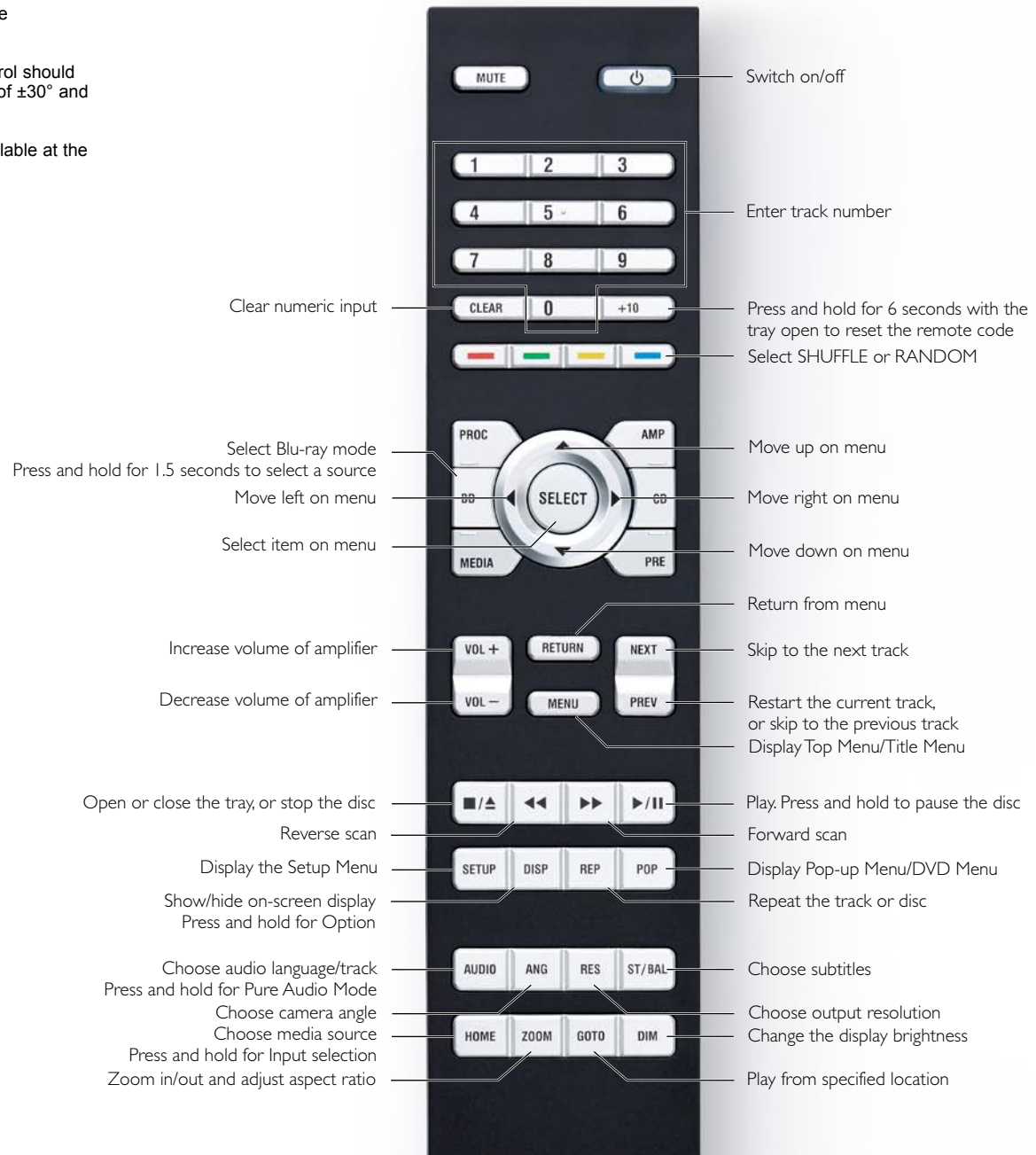


- Replace the cover and push until it clips into place.



**Note:** Replace only with 3V button cells type CR2025 or equivalent.

When disposing of old batteries please be considerate to the environment.

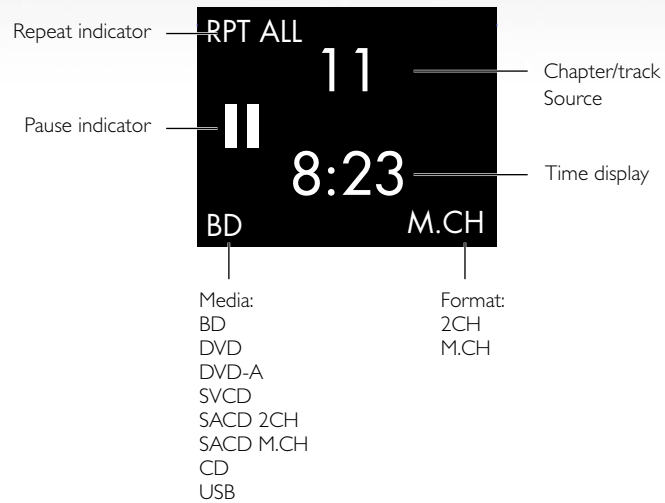


# INSTALLATION

## Front panel controls



## Display



## Back panel connections



## Unpack the BD32 MkII

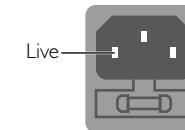
Your BD32 MkII comes with:

- Owner's manual
- AC power cord
- C24 remote
- 2 batteries for the C24
- USB wireless adaptor
- USB extension cable

## Phase

The phase of the AC supply can make a significant difference to the sound.

Ensure that the live pin of the AC power cable is connected to the left-hand pin of the power connector, viewed from the back panel:



## Language

To set the language for the BD32 MkII user interface:

- Press **SETUP** to display the Setup Menu.
- Highlight **Playback Setup** and press the **SELECT** button to select it.
- Highlight **Language** and press the **SELECT** button to select it.
- Select the language you want to use.

# QUICK START

## Power On and Play

The BD32 MkII is pre-configured with settings that have been optimized for most home theater systems, so it can fit into your audio/video system without any additional adjustment. To begin, please follow these steps:

1. Connect the player into your system.
2. Turn on the TV and/or receiver/amplifier, and then turn on the player.
3. Switch the input selection on your TV or receiver so that the TV displays the signal from the player.

Within a few seconds, the player will load the factory default settings and you will see the **Home Menu** with a Primare logo. The player is now ready for use. Enjoy your new Primare Blu-ray Disc Player!

Please follow the rest of the user manual for information on basic and advanced operations.

## Select the Best Output Resolution

One of the major advantages of the BD32 MkII is its ability to play high-definition Blu-ray video and also up-convert standard definition video stored on DVD discs to high definition. The sophisticated video processor inside the player ensures that the video will have the best possible color, detail and motion. The player offers several standard and high definition video output resolutions. For best results, it is important to select an output resolution that best matches your TV or display.

The rule of thumb when selecting an output resolution is to match the “native resolution” of your TV or display as closely as possible. The “native resolution” is the resolution of the actual display component in the TV, such as the Plasma panel, LCD panel, or DLP™ chip. The TV may accept input signals with lower or higher resolutions than its native resolution. In such cases, the electronics in the TV will upscale or downscale the video to fit its display component. Unfortunately, many TVs on the market only do an average job of scaling the video. On the other hand, if you set the BD32 MkII to output a resolution that matches or is very close to the native resolution of the TV, you are more likely to get a great picture.

For most new displays on the market, the best output resolution will be 1080p. A few early model “1080p” displays did not accept a 1080p signal. For these displays, the best output resolution is 1080i. For small screen digital TVs this will likely be 720p. For even earlier CRT tube or rear projection TVs this will likely be 1080i. For EDTV displays (very rare if they have HDMI or DVI) this will be 480p (NTSC) or 576p (PAL). These are general recommendations that work for most users, but there can be exceptions. Advanced users may want to try all supported resolutions and choose the one that provides the best result visually.

The BD32 MkII supports a special **Source Direct** mode through its HDMI outputs. This resolution is recommended for use with external video processors or high-end TVs. In **Source Direct** mode, the player works as a “transport”. It decodes video from the discs and then sends the raw video signal in its native resolution and format, without extra processing, to the external video processor or TV. The actual output resolution varies by content:

Content	Source Direct Output Resolution
NTSC DVD	480i
PAL DVD	576i
Most Blu-ray Movies (film-source)	1080p 23.976Hz or 1080p 24Hz
Most Blu-ray TV shows or Concerts (video-source)	1080i
SACD and DVD-Audio	1080i

For both HDMI outputs, the following output resolutions are available: **4Kx2K, Auto, 1080p, 1080i, 720p, 480p/576p, 480i/576i, and Source Direct**. If **Auto** is selected, the player will determine the output resolution based on the best signal resolution that the TV can display.

To change the output resolution, press the **RESOLUTION** button on the remote to bring the **Resolution Menu**, then press the **UP/DOWN ARROW** buttons to highlight the desired one, and press the **ENTER** button to confirm and return. If your TV does not support the selected resolution, you may see a black screen or an error message. In this case, try a different resolution that your TV can support.

## Determine the Display Aspect Ratio



Standard Definition, or 4:3 TV



Wide screen, or 16:9 TV

The **TV Aspect Ratio** is the proportional ratio of a TV screen's width and height. Older television sets generally have a 4:3 aspect ratio – the width is 4/3 (or 1.33) times the height. Newer wide screen television sets have a 16:9 aspect ratio – the width is 16/9 (or 1.78) times the height. For best performance, the video output of your player needs to match the screen aspect ratio of your TV. Since most Blu-ray discs and many DVD discs are released in the wide screen format, it is highly recommended to use a wide screen TV with the BD32 MkII.

The Aspect Ratio selections are **16:9 Wide** and **16:9 Wide/Auto**. Depending on your selection and the video format recorded on the discs, image appearance on the TV screen can be one of the following:

Original Content	TV Screen Appearance	
	16:9	
	Wide	Wide/Auto
4:3 		
16:9 		

If you have a widescreen (16:9) display, select one of these options:

- **16:9 Wide** – 16:9 (widescreen) sources will be displayed in their native aspect ratio, and 4:3 sources will be horizontally stretched.
- **16:9 Wide/Auto** – 16:9 (widescreen) as well as 4:3 sources will be displayed in their native aspect ratio. Please note that in this mode, 4:3 sources will be displayed with black borders on both left and right sides to maintain the correct 4:3 aspect ratio.

# BASIC OPERATIONS

## Disc Playback

- 1 Press the **⏻** button to turn on the player.
- 2 Press the **▲** button to eject the disc tray.
- 3 Place the disc with the label side facing up and the recorded side facing down.
- 4 Press the **▲** button again to retract the tray.
- 5 The player will read the disc information and starts playback.
- 6 Depending on the content of the disc, a menu or navigation screen may appear. Please use the navigation and **SELECT** buttons to select the content to play.
- 7 To stop playback, press the **■** button.
- 8 To turn off the player, press the **⏻** button.

### NOTE

- During DVD and some Blu-ray Disc playback, pressing the **■** button will stop the disc and save the current stopped point. You can resume playback by pressing the **▶** button.
- Certain Blu-ray Discs with BD-Java technology do not support resume playback. Pressing the **■** button during playback of such discs will completely stop the disc. Pressing the **▶** button once the disc is stopped will restart it from the very beginning.

## OPTION Menu

1. During media file navigation and playback, press and hold the **DISP** button on the remote to open the OPTION MENU, which allows you to conveniently access various settings and playback features.
2. When the OPTION MENU is displayed, press the LEFT/RIGHT ARROW buttons on the remote to highlight a particular item, then press the **SELECT** button to confirm.

The OPTION MENU selections may differ depending on content type. A summary of the selections and their functionality is described as follows:

### Within Disc Playback (CD, DVD, BD):

- Disc info: Searches the Gracenote online database and display the available disc information (an active internet connection is required).

### Within Music File Playback:

- Music info: As with "Disc info"; searches and displays available music information from Gracenote.

### Within Video Discs (DVD, BD) and Video File Playback:

- Subtitle shift: Adjusts the position of subtitles on the screen. See details on page 17.
- Picture adjustment: Opens the Picture Adjustment menu. See details on page 28.
- Zoom: Opens the image zoom level menu. See details on page 16.
- ANGLE: Changes the viewing angle. This function is only available when the DVD/BD is recorded

with multiple angles.

### Within Photo File playback:

- Zoom: Displays the image at different zoom levels.
- Rotate – Left / Right / Mirror / Flip: Rotates the image on the screen.

### Within HDMI INPUT playback:

- Picture adjustment: Opens the Picture Adjustment menu. See details on page 28.

## Fast Playback

You may fast forward or reverse during playback.

1. Press the **▶▶** button on the remote control or hold down the **▶▶** button on the front panel and the player starts fast forward playback. Each press of the **▶▶** button switches the playback speed in the following sequence:



2. Press the **◀◀** button on the remote control or hold down the **◀◀** button on the front panel and the player starts fast reverse playback. Each press of the **◀◀** button switches the playback speed in the following sequence:



### NOTE

- Certain Blu-ray Discs utilizing the BD-Java technology may have their own fast forwarding and reversing control. The actual speed varies by disc, and a progress scale may be displayed by the disc.

## Pause and Frame-by-Frame

1. During playback, press the **▶||** button on the remote control or the **||** button on the front panel to temporarily pause the program. In this mode, a PAUSE icon will appear on the TV screen.
2. While a DVD or Blu-ray Disc is paused, press the **◀|** or **|▶** button on the remote control or the **◀◀** or **▶▶** button on the front panel to reverse or advance the video frame-by-frame.
3. Press the **▶||** button on the remote control or the **||** button on the front panel to resume normal playback.

## Slow Playback

To play the video in slow-motion, please use the following steps.

1. Press the **▶||** button on the remote control or the **||** button on the front panel to pause the playback first.
2. Press the **▶▶** button on the remote control or hold down the **▶▶** button on the front panel to select a forward slow playback speed. Each press of the FWD button switches the playback speed in the

following sequence:



3. Press the ◀◀ button on the remote control or hold down the ◀◀ button on the front panel to select a reverse slow playback speed. Each press of the REV button switches the playback speed in the following sequence:



4. To exit the slow playback mode, press the ▶/|| button on the remote control or the ▶ button on the front panel.

#### NOTE

- Certain Blu-ray Discs utilizing the BD-Java technology may not support slow playback.

## Blu-ray Disc Menu Playback

1. Blu-ray Discs usually contain a Top Menu and a Pop-up Menu. The Top Menu normally appears at the beginning of the playback, after the previews and copyright messages. The Pop-up Menu can be accessed during the movie without interrupting playback.
2. During playback, press the **POP** button to access the Pop-up Menu. Press the **MENU** button to access the Top Menu.
3. Navigate the menu using the arrow buttons, and then press the **SELECT** button to make the selection.
4. Some menus make use of the colour buttons. You can select menu functions by pressing the corresponding colour button on the remote control.

## DVD Menu Playback

1. Some DVD discs contain title menu or chapter menu functions.
2. During playback, press the **MENU** button to return to the disc title menu. Press the **POP** button to display the chapter menu. Depending on the disc, one or both menus may not exist.
3. Navigate the menu using the arrow buttons, and then press the **SELECT** button to make the selection.
4. Press and hold down the **RETURN** button to return to the previous menu. The return location varies by disc.

## On-Screen Display

The on-screen display may contain the following information about the content currently playing:

- Playback status: an icon indicating play, pause, and fast forward/reverse status.
- Bit rate meter: an indication of the bit rate of the audio and video stream.
- Current and total title numbers. (DVD and Blu-ray Discs)
- Current and total chapter numbers of the current title. (DVD and Blu-ray Discs)
- Current and total tracks. (CD and SACD)
- Audio information: current and total available number of audio tracks, language, format, and channels.
- Subtitle information: current and total available number of subtitle tracks and language.
- Video format information: encoding type, frame rate and original aspect ratio.

## Audio Language/Track Selection

1. To select the audio language or track, press the **AUDIO** button on the remote control during playback.
2. Repeat pressing the **AUDIO** button or use the ▲ and ▼ buttons to choose from all available language or audio tracks.

#### NOTE

Availability of languages and audio channels varies by disc. Some DVD-Audio discs allow audio track selection with the **AUDIO** button, while others require the user to select from the audio setup menu of the disc. When playing an SACD with both multi-channel and stereo contents, the **AUDIO** button can be used to switch between the two formats.

## Subtitle Selection

1. When playing a DVD, Blu-ray Disc or other video programs recorded with subtitles, press the **BAL/ST** button on the remote control to select the desired subtitle.
2. Repeat pressing the **BAL/ST** button or use the ▲ and ▼ buttons to choose from all available subtitles.
3. To turn off subtitles, select "Off" from the list.

## HDMI /MHL Input Selection

- When sending external media sources to the BD32 MkII through the HDMI IN port, press and hold the **HOME** button on the remote to bring the "Input Source" menu.

## Audio Return Channel (ARC) Selection

- When sending a digital audio signal from the TV back to the BD32 MkII through an HDMI connection, press and hold the **HOME** button on the remote to bring the Input Source menu.

#### NOTE

- Audio Return Channel (ARC) is a feature introduced in HDMI v1.4, which allows you to send digital audio signals from the television back to the player or receiver. Instead of listening through TV speakers, ARC allows the sound to be processed and produced by the home theater audio system.
- A HDMI 1.4 cable is required (included) and you need to make sure the HDMI input port on the TV is ARC capable. Usually, ARC has to be enabled in the TV's settings.



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