

BD32

P R I M A R E

AUDIOPHILE UNIVERSAL
BLU-RAY PLAYER

THE SOUND AND VISION OF SCANDINAVIA



PERFECTION PER FUNCTION

Lovers of high quality music and film will be seduced by the BD32, a 3D-capable multi-format/multi-channel Blu-ray, DVD, CD, SACD, DVD-A and media player, beautifully engineered in the style that Primare has made its own. With understated Scandinavian design, exceptional build quality and elite audio and video performance, the BD32 introduces a powerful multi-format player to matching Primare 30 series systems and will enhance all others with a rare and enduring quality. It is the latest example of Primare engineering, dedicated to the simple pleasure of high performance.

Universal Appeal

The BD32 has truly universal playback capabilities. As well as being a wonderful high-resolution Blu-Ray, DVD, CD, SACD and DVD-A player, it can reproduce music, video, and picture files from a wired network (also Wi Fi using an external USB dongle supplied), and USB or eSATA (external Serial Advanced Technology Attachment) devices. It will play any audio format or convert it to PCM for D/A conversion elsewhere. Whatever the entertainment, Primare's BD32 will reveal it more vividly than before.

Easy to use

In upgrading to the BD32 you'll enjoy the unity of superior design, material specification and functional simplicity for which Primare is world renowned. Its heavy gauge steel chassis, available in brushed black or titanium, has a reassuring weight and solidity, which transmits an immediate impression of great quality. A clear and dimmable OLED display allows easy control from the Primare C23 system remote. You can even change the OLED colour from white to green according to your taste. Control from home automation systems or over additional components like home theatre projectors is through the BD32's RS232 and trigger connections.

The BD32 has been designed to be the only player you'll ever need, so we've made the upgrade process intuitive. On initial set-up, and connected to the internet via its LAN port, the BD32 will automatically download the latest software from the Primare website. Further upgrades are easily completed via the set-up menu.



SYSTEM INTEGRATION

High Performance Audio Integration

Consistent with its audiophile 30 series design, the BD32 is built to perform as a purist audio source in a wide range of system configurations. It offers a low-noise fully-balanced stereo (XLR) analogue audio output for integration with high quality stereo amplifiers and pre-amplifiers like Primare's I32 and SP32. Joining more commonplace S/PDIF and TOSLINK digital audio outputs is a superior professional-grade AES-EBU connector, designed to link with the SP32 and similarly equipped high performance DACs. An unbalanced stereo RCA output is provided for easy integration with any stereo system, and an 8-channel unbalanced RCA (7.1 multi-channel) output sends decoded audio from formats including DSD, Dolby True HD and DTS Master Audio to Primare's SP32, SPA22, and all other multi-channel amplifiers and pre-amplifiers.

High Performance Video Integration

Extraordinary versatility is provided by dual simultaneous 1080P V1.4a HDMI outputs, capable of 3D video playback. HDMI 1 is the primary output, incorporating up-scaling and aspect ratio conversion (stretch zoom) to super-wide 2.35:1*. If the A/V processor in the main zone is 3D compatible then audio and video may be sent via HDMI 1. If not, then video can be sent to the display via HDMI 1 while HDMI 2 carries the HD audio (DSD, Dolby True HD and DTS Master Audio) simultaneously to the processor.

If HDMI 2 is not needed for audio in the main zone, it can be used to feed both 3D video and HD Audio to a compatible TV and/or surround processor in a second zone, but without the adjustment functionality of HDMI 1. If neither zone is equipped with 3D capability, then the BD32 will deliver the Blu-ray complement of FullHD video and HD Audio to two zones simultaneously via its dual HDMI outputs.

* requires anamorphic projector lens



AUDIOPHILE TOPOLOGY

In order to remove noise from audio and video signals, and to improve the fidelity of music and film content, the BD32 incorporates discrete Primare audio stages and customised video circuits, fed by multiple, dedicated power supplies.

Discrete design

For accurate stereo and multi-channel music playback according to the standard set by 30 series design, the BD32's audio output circuitry uses highly specified Crystal DACs connected to Primare's discrete analogue stages, which are optimised for the balanced, single-ended and multi-channel audio outputs. The balanced stage uses Burr-Brown OP-Amps, WIMA and EPCOS polypropylene filter capacitors and large MELF resistors. The single-ended output uses a single MOSFET transistor fed by an active current source rather than passive resistors. The SACD (DSD) circuit has its own dedicated relay-controlled-filter signal path. The multi-channel audio output stage is driven by a multi-channel DSD DAC also from Crystal, in conjunction with Burr Brown OP-Amps, WIMA and NPO SMD capacitors and large MELF resistors. All for one purpose: better sound.

Clean power

The BD32's low-noise audio and video environment is maintained through the use of discrete optimised power circuits and superior grounding. The power supply is divided into two main parts: an eco-friendly switch-mode 'standby' PSU consuming only 0.5W,

and an 'operate' PSU. In order to minimise interference, the standby PSU is turned off when the BD32 is in 'operate' mode. In this mode, and according to the best audio designs, the power supply is entirely linear. It comprises an excellent R-core transformer with separate windings for analogue and digital power supply circuits, which are placed on different PCBs located on opposite sides of the player.

Linear power can generate a lot of heat, so Primare's engineers have opted to use the BD32's entire chassis (including steel top and aluminium bottom plates) as an active heat sink.

The complete player

With a vanishingly low noise floor and a wide performance window for high resolution disc and file-based entertainment, the BD32 offers naturally vivid audio and video from the widest range of sources. In any system, but especially when part of a matching Primare ensemble, the BD32 will draw new levels of fidelity from Blu-ray, DVD, CD and multi-channel music, surpassing the performance of many format-dedicated players. Its truly universal quality will endure to inspire your evolving relationship with music and film.



PRODUCT SPECIFICATION BD32

CD performance	Freq resp -0.19dB @20K;THD+N 1K 0dBFS (22K LPF) 0.0015%; Noise A-weighted. -138dBV
SACD (DSD) performance	Freq resp -0.17dB @20K;THD+N 1K 0dBFS (22K LPF) 0.0055%; Noise A-weighted. -125dBV
Analogue outputs	1 pair Stereo XLR and 1 pair RCA both 4,3Vrms 1 multichannel 7.1 RCA input
Digital outputs	1x SPDIF (RCA); 1x AES/EBU (XLR); 1x optical (TOSLINK)
Inputs	USB, LAN, e-Sata, IR in/out 3.5mm; RS232; Trigger in/out 3.5mm
D/A converter	Crystal DSD DAC CS4398
Output impedance	RCA 100Ohm; XLR 110ohm
Power consumption	Standby 0,5W, Idle 50W, Operation 60W
Dimensions (wxdxh)	430 x 375 x 106 mm
Weight	10,5 kg
Colour options	Black Titanium



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