PERFECTION PER FUNCTION

We introduce the new Primare 30 Series with this classic system of I32 integrated amplifier and CD32 CD player. Complete with the blend of elite design quality, reliability and performance that defines Primare, this compact system will energise your enjoyment of CD and other sources including Internet, sat boxes and personal players. Offering the latest technologies and functionality, its components have been developed with precision to deliver effortless audio purity and ease of use.

Audiophile Topology

The CD32 and I32 are equipped with excellent complementary low-noise electrical designs. The shortest possible signal paths are populated by discrete high quality components in order to maximise bandwidth and minimise circuit-induced noise. Multiple power supplies feed discrete circuits individually optimised for the audio, control and display sections. Both the CD32 and I32 chassis are of matching heavy gauge steel, which provides strength, rigidity and screening, while being effective at damping vibrations from external sources. Connection between them is possible through professional-grade noise-cancelling balanced cables.

Easy User Interface, System Integration and Upgrade

Matching displays and compatible connections provide excellent operational synergy between the Primare components and also with a larger home control system. RS232, IR and trigger connections make integration with custom installations routine, and through a wide range of inputs and outputs new system components can benefit from the quality of Primare's audio engineering. A media upgrade to the I32 expands the choice of sources still further, embracing many of today's most popular digital designs. Content from the Internet, NAS or PCs, sticks, smart phones, personal music players and satellite boxes can be received by the upgrade. Operating as the system's control interface, the I32's versatile menu allows you to set power-up volume, input re-naming (up to 6 characters), input disabling and volume/balance for each input in fine steps of 1dB. Power-up, display brightness and control are synchronised when both units are connected via IR and operated using the C23 system remote control supplied.

CD32 CD PLAYER

As its name suggests, the CD32 is dedicated to the Compact Disc format. For the many music lovers with large and growing CD collections, the CD32 will ensure that the silver disc continues to provide easy access to ever greater fidelity. Even so, the CD32 will also unlock the vast store of music available from the Internet, playing and controlling MP3 or WMA files via USB or disc. Whichever source you choose the CD32 will respond with exceptional sound according to the data available.

Designed for High Performance

The CD32 incorporates a dedicated CD-transport (rather than a common multi-format CD/DVD-ROM interface) with a considerable five second buffer memory in order to provide the best jitter suppression and protection from mechanical shock. As determined by user preference, signals may be up-converted to 96kHz in order to provide the twin high-performance Burr-Brown PCM1704 DACs and DF1706 digital filter with as clean a signal as possible. There are no capacitors in the CD32's signal paths. SMD technology and separate PCB modules are used throughout the design in order to keep the signal paths isolated and short. All analogue and digital audio circuits are supplied from separate R-core transformer windings.

Using the CD32

All functions are clearly visible in white OLED characters, which can be dimmed in four stages to match the I32's display when the units are connected via IR. During operation the displays will auto-dim to a readable level without disturbing the listening experience, which itself can be customised by choosing the preferred sample frequency: 44.1 kHz, 48 kHz or 96 kHz. Comprehensive outputs include balanced (XLR) and unbalanced RCA analogue and professional AES/EBU, SPDIF and TOS-link digital outputs. A specially designed power supply for its microprocessor circuit provides the CD32 with a very low standby power mode of just 0.5W.

I32 INTEGRATED AMPLIFIER

The I32 is an upgradable two x 120 watt integrated amplifier utilising twin proprietary Ultra Fast Power Device (UFPD) power modules. UFPD's performance results in a naturally fast, clean and agile sound over a much wider frequency range and with exceptional headroom. Ecologically the I32 is far superior to conventional Class A/B designs being extremely efficient without generating excessive heat. In addition it provides a special eco-friendly standby mode of just 0.2 W. Clearly visible on the I32's white dimmable OLED display is a versatile menu, which allows the renaming and disabling of inputs, and the setting of operational parameters for each - volume, balance and power-up level for example.

What is UFPD?

Primare's UFPD technology provides for the possibilities of a full-range 'audiophile' Class D design. It is a new and significant Class D technology which is remarkable for its performance consistency across the entire audio bandwidth. Traditional Class D amplifiers have a signature response, which is fabulous at low frequencies but can sound harsh and brittle at higher frequencies due to circuit instability produced by insufficient feedback. UFPD actively adjusts the feedback required to deliver a higher level of gain across the entire audio band, maintaining performance irrespective of load (impedance) variations. Primare's UFPD treats all signals equally, keeping distortion very low at all frequencies. With a very wide 'load independent' frequency response UFPD is able to drive any speaker while maintaining control and accuracy.

Upgradable Design

A media upgrade will be available, which offers streaming of files from Internet, NAS or PCs; Internet radio content and also digital audio input from a range of devices including CD players, smart phones, personal players and satellite boxes.

Additional Features

So as not to damage little ears, the I32 can be set to a maximum volume level using the C23 system remote or the I32 controls. For seamless home theatre system integration, the I32 contributes its two independent 120W amplification channels through input five.

Product specification I32

Output Power	2x 120W at 8Ω 2x 230W at 4Ω
Analogue Inputs	2 pair XLR (L & R) 3 pair RCA (L & R)
Other Inputs/Outputs	IR in/out 3.5mm; RS232; Trigger in/out 3.5mm
Optional Media I/O module	2x Digital Coaxial input (2 RCA input jacks)
	1x Digital Optical input (1 Toslink)
	1x Digital Coaxial output (1 RCA jack)
	1x USB data input
	1x Comp or S-video o/p (TBD)
	for iPod/iPhone video playback
	1x SD memory data input with converter to USB
	incorporated in the underside
	connector box (optional)
	1x LAN input (1 RJ45 jack)
	1x Wi-Fi /1x DAB+ FM antenna (External jacks,
	DAB+ and FM using the common antenna)
	Digital and analogue audio for iPod/iPhone interface
Input Impedance	Both RCA and XLR 36kΩ
Analogue Record Output	1 pair RCA (L & R)
Pre Out	1 pair RCA (L & R)
Output Impedance	RCA 94Ω
Frequency Response	10Hz – 20kHz, -0.5dB
THD + N	< 0.05%, 20Hz – 20kHz, 10W at 8Ω
Signal to Noise	-100 dBv
Power Consumption	Standby: 0.2W; Operate: 31W
Dimensions (wxdxh)	430 x 420 x 106mm
Weight	11 kg
Colour Options	Black Titanium

Product specification CD32

Mechanism	Asatech 8210.B01-02, Sanyo SF-P101N
D/A converter	2x PCM1704, DF1706 (digital filter), 24/96 kHz
Analogue outputs	Discrete analogue output stage;
	1 pair RCA, 2.1 Vrms; 1 pair XLR, 4.1 Vrms;
Output impedance	RCA 390Ω; XLR 47Ω
Digital outputs	1x SPdif (RCA); 1x AES/EBU (XLR);
	1x optical (TOS-link)
Frequency response	20Hz – 20 kHz -0.5dB
Signal to Noise	20Hz – 20kHz unweighted -100dB
	THD + N 20Hz – 20kHz <0.01%
Other inputs	USB interface; IR input 3.5mm;
	RS232; Trigger in/out 3.5mm
Power consumption	Standby 0.5W; Idle 22W; Operation 25W
Dimensions (wxdxh)	430 x 375 x 106mm
Weight	10,5 kg
Colour options	Black Titanium

Optional

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