

P R I M A R E

Primare I21 Integrated Amplifier

This integrated amplifier is based on the famous and highly renowned A20, I20 design.

The I21 is an integrated preamplifier and power amplifier with extraordinary performance for its price.

High-performance power amplifier

The I21 incorporates a classic circuit design based on J-FET input devices and bipolar output devices, typical of far more expensive equipment, giving high performance and excellent reliability.

The amplifier is capable of delivering 75 watts into an 8 ohms load and incorporates full speaker protection against faulty input signals. Two individual DC-servos together with DC-blocking and protection circuit provide this state-of-the-art protection.

To increase dynamic range, the I21 amplifier design incorporates an improved buffer stage by the use of the OPA2134 from Burr-Brown and capacitors from Vishay.

Careful design for operational stability

As with all Primare units, the I21 is housed in an alloy heavy gauge steel chassis, which provides strength, rigidity, and screening, while being effective at damping vibrations from external sources.

Display and audio circuits are isolated

The front panel design isolates the display circuitry from the audio circuitry to avoid interference

Dual-Mono Design

The amplifier incorporates a massive 800VA toroidal transformer with separate windings for left and right power amp channels, effectively providing each channel with its own mono amplifier.

Clean power supply for the best possible performance

Each part of an electronic design has specific power requirements. Primare's forensic approach to ensuring that clean power is supplied throughout the design is a key part of its design philosophy and has significant sonic benefits.

The sheer physical size of the I21's toroidal transformer makes it an inherently good mains filter and its low output impedance promotes good voltage stabilisation. Power to the driver stage and preamp stage is individually regulated in seven steps, as is the digital supply to the front panel.

Shortest signal paths

Short signal paths are secured by the use of SMD technology wherever possible. This is one of the I21's key design features as is a digital volume control to ensure excellent channel balance and a flat frequency response at any volume level.

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Flexible inputs

The I21 preamplifier stage provides four inputs, labelled CD, TUNER, LINE 1, and LINE 2, to cater for a flexible range of sources.

Fixed and variable outputs

The currently selected source is provided on two pairs of line-level outputs, for connecting the I21 to other equipment. The TAPE OUT sockets are independent of the position of the volume control, and allow you to connect the I21 to a tape recorder. The PRE OUT sockets are controlled by the volume control, and can be used to connect the I20 to another output stage.

The amplifier incorporates massive high quality gold-plated speaker terminals suitable for most audiophile speaker cables.

Intuitive user interface

In keeping with the philosophy of the Primare range of systems, the I21 can be controlled through a very simple and intuitive set of front panel controls. Alternatively all the functions of the I21 can be controlled by the C22 Remote Control supplied with the I21, along with the other Primare components in your system.

Specifications

**Output power per channel 2 x 75W into 8Ω,
2 x 125W into 4Ω**

Speaker terminals 4 –16 Ω

Output impedance <0.08

DC offset <5mV (servo controlled)

Line inputs 330mV

Tape outputs 300mV

Frequency response <10Hz – 100kHz, -3dB

THD 0.05% (1kHz, 10V into 8Ω)

Signal-to-noise, line -100dB (A-weighted)

Power consumption, standby <12W

Peak current ±25A

Dimensions (WxDxH) 430 x 385 x 100mm

Weight 13.5kg

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