

Product Objective

The Classic AMP is the latest update to an integrated amplifier that has been part of the Cyrus product range for over a decade.

The objective was to create a significant step up in performance from previous versions by using everything that we learnt when developing the fantastic XR Series, but retaining the familiar design of the Classic series. The circuit design has been completely re-designed and the majority of the internal components have been upgraded by the Cyrus R&D team, which has resulted in sound improvements that will help the Classic series retain a loyal fan base for years to come.

Features and benefits

Connectivity

- 4 x Analogue line level inputs
- 1 x Phono MM input for vinyl turntable
- 2 x Coaxial digital inputs via RCA phono
- 2 x Optical digital inputs via Toslink
- Unbalanced preamplifier outputs
- Fixed/Recording output
- Headphone output via 3.5mm jack
- MC-BUS connection (control integration with Cyrus system)
- PSX-R upgrade connection
- Firmware upgrade port

Power Amplifier

The power amplifier delivers 91W per channel into 6Ω. The wideband design responds from D.C. to beyond 50kHz to ensure a flat frequency response and minimal phase shift through the audio band.

Phono MM input

The phono MM input stage design features dual active gain stages and passive RIAA equalisation.

Analogue preamplifier

The analogue preamp features relay input selection for the five analogue inputs and a precision gain control for volume. The design is intentionally wide bandwidth.

Digital to analogue conversion

The digital input stage features the award-winning QXR DAC. Input options include 2 x coaxial digital and 2 x optical digital inputs.

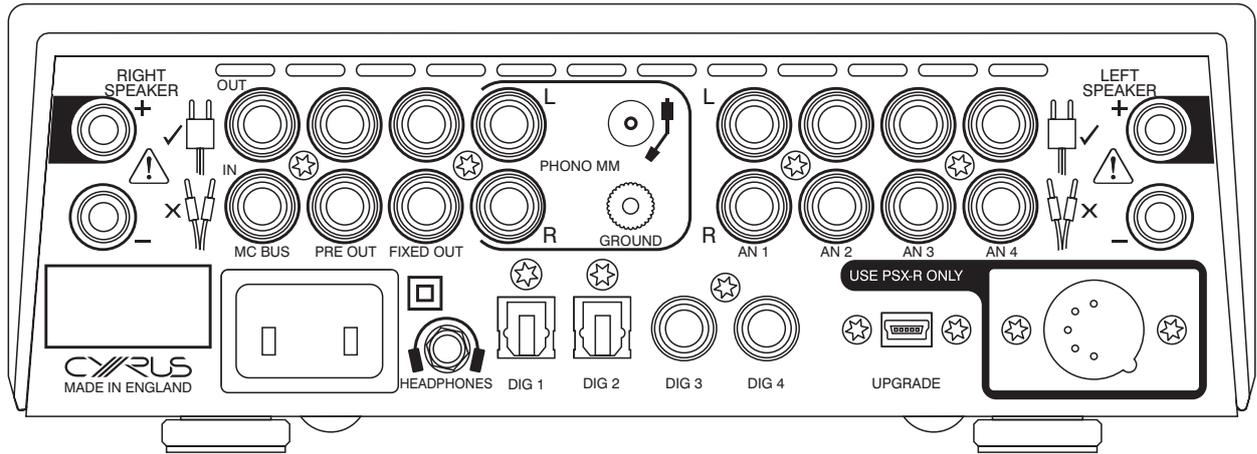
High capacity power supply

The power supply includes a 304VA toroidal power transformer delivering power to a high capacity power supply reserve. The preamplifier power supply is electrically separated from the power amplifier and driven from its own transformer winding. Digital control circuits are assigned a separate mains power supply, completely isolated from the signal circuitry.

PSX-R port

The Classic Amp includes a port for the PSX-R power supply. Power from the PSX-R is routed internally to the analogue stages of the preamplifier to provide a more stable, low-noise power supply for the analogue preamp and post-DAC stages of the D/A converter.





Specifications

EAN

230V version 5060020434525
 115V version 5060020434518

Power Supply

Voltage:As plate on rear of unit

Power Consumption

Standby<0.5W
 Maximum500W

Enclosure

Dimensions (WxHxD) 215 x 75 x 365mm
 Weight.....6.7kg
 Material..... Die cast chassis

Line audio performance

Power Output (2 ch driven) 4 Ohms112W
 Power Output (2 ch driven) 6 Ohms91W
 Power Output (2 ch driven) 8 Ohms70W
 THD+N (1kHz, 2/3 power)..... 6 Ohms <0.002%
 Input Sensitivity (91W/6Ω)225mV
 Input Impedance28kΩ
 Max input signal..... 2.5V
 Frequency Response (-3dB)..... <0.5Hz, >50kHz
 S/N Ratio (unwtd)>100dB

Phono audio performance

Input Sensitivity (91W/6Ω)2.3mV
 Input Impedance.....47kΩ
 Max input voltage (1kHz)25mV
 Phono stage gain..... (1kHz) 80dB
 RIAA tolerance<0.5dB
 S/N Ratio (unwtd, ref 91W/6Ω, vol-6dB) 83dB
 THD..... <0.07%

Digital audio performance

Input voltage500mV pk-pk
 Input Impedance.....75Ω
 Sample rate range 32k- 192k
 Audio formatsPCM stereo only
 S/N ratio (0dB fs).....-94dB
 THD+N (0dB fs) <0.006%

Headphone performance

Recommended headphone impedance 16Ω- 330Ω
 Output power (16Ω load) 138mW
 Max output voltage..... (330Ω load) 1.85V
 Signal to Noise Ratio (unwtd) . (35mW//16Ω)..... 90dB
 THD..... (35mW//16Ω)..... <0.01%

All voltage and power specifications in this section are RMS unless stated otherwise.

Cyrus reserves the right to change all specifications without notice. E & OE

