

A49, P49, C49 Audiophile Amplification ARCAM

- Arcam's highest performing amplification ever
- Fully flexible stereo amplifier range
- Power amp can be configured for multiple modes
- Class G amplification with 50W of class A operation
- On board PSU for rSeries products
- CR902 system remote control (A49, C49)
- Phono input configurable for line/MM (A49, C49)
- Large ergonomically designed aluminium knob
- Low power 0.5W standby

Arcam's A49 integrated, C49 pre-amplifier and P49 power amplifier represents the pinnacle of Arcam's audio engineering. We set out to incorporate everything we have learnt in almost 40 years to deliver an amplifier that will set new standards and provide class leading sound quality for the best possible reproduction of your music.

Drawing on the many years of amplifier design experience at Arcam, all three products use the best quality components and engineering practice to produce a product that will give many years of musical pleasure and reliable service.

With a class G amplifier, toroidal based power supply, acoustically damped chassis, paralleled transistor output stages and exceptionally low levels of distortion and noise both the A49 and P49 are capable of reproducing music with all its original authority and detail. Both the A49 and C49 feature dual mono volume controls and a balanced signal path all the way through the product together with distortion nulling input multiplexers. Rest assured you will be hearing the music just as the artist intended.

Both the A49 & P49 have been designed to leapfrog the competition with a massive 200 watts per channel into 8 ohms and 400 into 4 ohms. It delivers 50 watts in pure class A mode while allowing for huge extra power reserves from our latest generation class G topology that is both clever and efficient. During normal operation, distortion is measured in less than one part per million so that this massive power is delivered with total control and finesse.

There have been great strides made in improving audio sources and loudspeakers in recent years and the time is right to match them in the field of amplifier design. These ground breaking amplifiers are must audition amplifiers for music lovers who understand that power is nothing without control.

The P49 has been designed with system building flexibility in mind and can be configured as a traditional stereo power amp, bridged mode or dual mono mode allowing for the "ultimate" system of a C49 with six bridged P49s tri-amping the speakers.

"We considered having a volume control that went up to 11 - it really goes THAT loud!"

Peter Kuell - Senior Engineer, Arcam



Available
Q3
2014

Arcam, The West Wing, Stirling House, Waterbeach, Cambridge CB25 9PB, UK. www.arcam.co.uk

Preliminary information only. Arcam has a policy of continuous improvement; we reserve the right to change features without notice. E&OE 2014

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A49 - Integrated



| Continuous power output (20Hz–20kHz at 0.2% THD), per channel | | |
|---|---------------------|------------------|
| Both channels, 8Ω, 20Hz–20kHz | | 200W |
| Single channel, 4Ω, at 1kHz | | 400W |
| Harmonic distortion, 80% power, 8Ω at 1kHz | | 0.001% |
| Inputs | | |
| Phono (MM) cartridge: | | |
| Input sensitivity at 1kHz | | 5mV |
| Input impedance | | 47kΩ + 100pF |
| Frequency response (ref. R AA curve) | | 20Hz–20kHz ± 1dB |
| Signal/noise ratio (AwtD) 50W, ref. 5mV input | | 80dB |
| Overload margin, 5mV at 1kHz | | 20dB |
| Inputs: | | |
| | RCA type | XLR type |
| Nominal sensitivity | 1V | 2V |
| Input impedance | 10kΩ | 10kΩ |
| Maximum input | 8V | 15V |
| Frequency response | 20Hz–20kHz ± 0.05dB | |
| Signal/noise ratio (AwtD) 50W, ref. 1V/2V input | | 105dB |
| Preamplifier output | | |
| | RCA type | XLR type |
| Nominal output level | 1.15V | 2.3V |
| Output impedance | 47Ω | 200Ω |
| Headphones output | | |
| Maximum output level into 600Ω | | 4Vrms |
| Output impedance | | 1Ω |
| Load range | | 16Ω–2kΩ |
| E&OE | | |
| NOTE: All specification values are typical unless otherwise stated. | | |

C49 - Pre-amplifier



| Inputs | | |
|---|---------------------|------------------|
| Phono (MM) cartridge: | | |
| Input sensitivity at 1kHz | | 5mV |
| Input impedance | | 47kΩ + 100pF |
| Frequency response (ref. R AA curve) | | 20Hz–20kHz ± 1dB |
| Signal/noise ratio (AwtD) 50W, ref. 5mV input | | 80dB |
| Overload margin, 5mV at 1kHz | | 20dB |
| Inputs: | | |
| | RCA type | XLR type |
| Nominal sensitivity | 1V | 2V |
| Input impedance | 10kΩ | 10kΩ |
| Maximum input | 4.6V | 8.2V |
| Frequency response | 20Hz–20kHz ± 0.05dB | |
| Signal/noise ratio (AwtD) 50W, ref. 1V input | | 105dB |
| Preamplifier output | | |
| | RCA type | XLR type |
| Nominal output level | 1.15V | 2.3V |
| Output impedance | 47Ω | 200Ω |
| Headphones output | | |
| Maximum output level into 600Ω | | 4Vrms |
| Output impedance | | 1Ω |
| Load range | | 16Ω–2kΩ |
| E&OE | | |
| NOTE: All specification values are typical unless otherwise stated. | | |

P49 - Power amplifier



| Continuous power output (20Hz–20kHz at 0.2% THD), per channel | | |
|---|---------------------|----------|
| Both channels, 8Ω, 20Hz–20kHz | | 200W |
| Single channel, 4Ω, at 1kHz | | 400W |
| Bridged mode, 4Ω, at 1kHz | | 1.1kW |
| Harmonic distortion, 80% power, 8Ω at 1kHz | | 0.001% |
| Inputs | | |
| PWR IN input: | | |
| | RCA type | XLR type |
| Nominal sensitivity for 200W / 8Ω | 1.15V | 2.3V |
| Input impedance | 10kΩ | 10kΩ |
| Frequency response | 20Hz–20kHz ± 0.05dB | |
| Signal/noise ratio (AwtD) ref 50W / 8Ω | | 110dB |
| E&OE | | |
| NOTE: All specification values are typical unless otherwise stated. | | |