ARCAM

SPECIFICATION SHEET

SA45

Streaming Integrated Amplifier

The ARCAM SA45 is the all-in-one streaming system for the dedicated music lover. It includes hard-won technologies for preserving the most delicate sounds and reproducing music with all its subtleties, nuances and excitement intact. Expertly crafted in Cambridge UK, it is born of our best ever amplifier, the ARCAM A49, with fully balanced digital and analogue audio paths,

Exquisite sound quality has been achieved through thoughtful engineering of a new 6-layer digital audio and streaming platform which includes a ground plane through the entire board to keep noise and interference away from the sensitive audio components. These components include the latest Hyperstream iV DAC topology from ESS, in a balanced configuration with advanced Jitter elimination. Sound quality is enhanced further with a new linear toroidal transformer power supply design that drives the entirety of the internal operation with lower noise.

The ARCAM SA45 is the ultimate high resolution audio solution. With outputs for subwoofers, along with Dirac Live Room Correction, the SA45 has the flexibility to deliver exceptional sound, in any room, with your choice of speakers. Our 5th generation Class G amplifier design is meticulously crafted so you can expect the best sound quality and dynamics from what has always been a better sounding, and more efficient Class of amplifier. New components and materials have been painstakingly analysed and reviewed to ensure uncompromising sound performance.

Up front, the SA45 features a large, bonded 8.8" high-resolution display to show album artwork and metadata. Connecting the SA45 to your home network with Wi-Fi is quick and straightforward with our ARCAM Radia App. Once connected, enjoy instant playback using Apple Airplay, Google Cast, Spotify Connect, Tidal Connect, and Roon.

Features

- All new, ultra High-Resolution Streaming Platform to deliver on sound quality and user experience
- ARCAM Class G Amplification with 2x 180W FTC Power Output Rating
- Balanced analogue and digital audio paths
- MM & MC Phono inputs
- HDMI eARC input
- Dual Subwoofer outputs and Dirac Live Room Correction
- High-resolution display for clealy visible album artwork and metadata
- Supports Apple Airplay, Google Cast, Spotify Connect and Tidal Connect
- Setup with ARCAM Radia App for presets, Internet Radio and Podcasts
- Supports up to 32 bit / 384 kHz Hi-res audio
- Roon Ready (after launch)

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The West Wing, Sterling House Waterbeach, Cambridge, CB25 9PB, England +44 1223 203200

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Continuous power output (0.5% THD) 2 channels driven	
8Ω, 20Hz - 20kHz – FTC Power Output Rating	180W
4Ω, 1kHz – This rating was not tested under the FTC standard	300W
Harmonic distortion, 80% power, 8Ω at 1kHz	0.002%
Analogue Inputs	
Number of inputs	3x RCA pairs + 1 XLR pair
Phono Inputs	MM and MC
Frequency response	20Hz—20kHz ± 0.2dB
Signal/noise ratio (A-wtd, ref. 50W, 1V input)	106dB
Digital Inputs	
Supported Streaming media:	FLAC, WAV (LPCM), AAC, ALAC, AIFF, DSD (up to 256), MP3, MP4, OGG, WMA
Supported Streaming Bit depth:	16, 24, 32
Supported Streaming sample rates (kHz):	Up to 384 kHz
Gapless Playback:	Yes
Digital Audio Inputs	1x HDMI eARC, 2x Coaxial (RCA), 2x Optical (Toslink)
Supported Digital input Bit depth:	16, 24
Supported Digital input sample rates (kHz):	Up to 192 kHz
Frequency response (filter 1)	20Hz—20kHz ± 0.2dB
Signal/noise ratio (A-wtd, ref. 50W, 0dBFS)	110dB
Wireless Specifications	
Bluetooth Profile	5.4; A2DP Sink/Source, AVRCP, BLE, Snapdragon Sound, AAC, LE Audio, Auracast
Bluetooth Transmitter Frequency and Power	2,402 MHz to 2,480 MHz: <13dBm
Wi-Fi Network	IEEE 8002.11 a/b/g/n/ac (2.4GHz/5GHz)
2.4G Wi-Fi Transmitter Frequency Range and Power	2400-2483.5 MHz (USA 11 Channels, Europe and Others 13 Channels): <20dBm
5G Wi-Fi Transmitter Frequency Range and Power	5150-5250 MHz <23dBm, 5250-5350 MHz & 5470-5725 MHz <20dBm, 5725-5850 MHz <14dBm
General	
Mains voltage	100V or 110–120V or 220–240V, 50–60Hz
Power consumption (maximum)	1000W
Power consumption (standby)	<0.5W
Dimensions W x D (including speaker terminals) x H (including feet)	432 x 390 x 140mm
Weight (net)	17 kg
Weight (packed)	20 kg
Supplied accessories	Mains lead(s) Remote control with 2 x AAA batteries Measurement Microphone 5m USB Cable Quick Start Guide Important Safety Instructions

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