



ARCAM

2022 / 2023

IMMERSE
YOURSELF
IN EVERY
SOUND

Established in Cambridge in **1976**, we are proud of our **excellent track record** for **innovation** and **engineering world-class** products

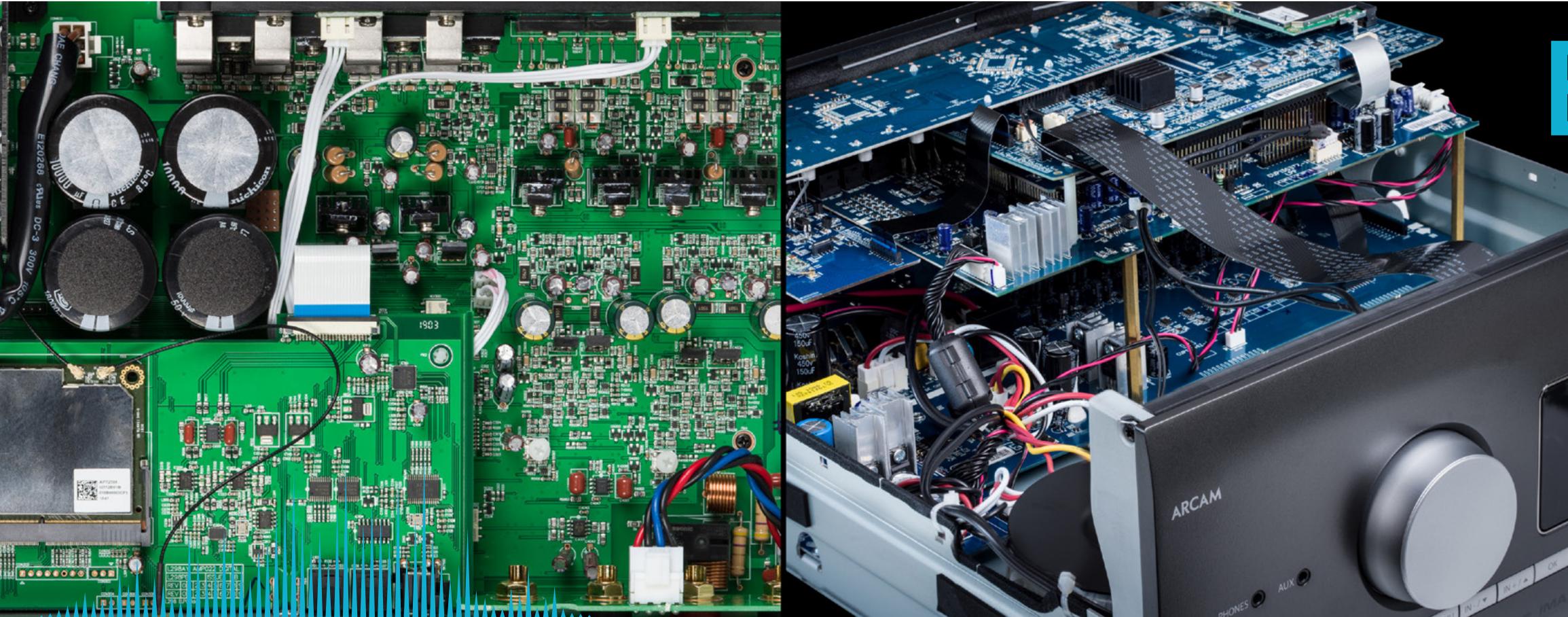
Heritage

ARCAM exists to bring the highest fidelity reproduction of music and movies into people's lives. We are committed to engineering products that deliver a level of audio performance that is so convincing and life like, it connects you straight to the emotional power of the music. Established in Cambridge in 1976, we are proud of our excellent track record for innovation and engineering world-class products from the ground up, as well as our reputation for long-term product support and service.

ARCAM was founded through a passion for music, to be able to experience great sound and hear the quality of music as it was initially recorded. It was a fresh and clear ambition that drove the inception of the company: to save the world from bad sound and to support talented British artists and performers with the equipment and systems that they truly deserved. Grounded in this proud history of musical talent, ARCAM set out to celebrate sound in its purest and most genuine form.

ARCAM





Engineering

Enthusiasm for music reproduction lies at the heart of everything we do. Over the years, we have built an outstanding team of gifted and passionate engineers who have poured their hearts and souls into products that deliver a quality of reproduction that has won countless awards around the world.

For 40 years, we have been developing and making descendants of the amplifier, where our story began in consumer electronics with the iconic A60. And, for almost 30 years we've been developing and making CD players. As far back as 1995, we expanded into home cinema electronics, developing a world-class reputation for designing some of the best-sounding AV electronics.

ARCAM



CLASS

What is Class G

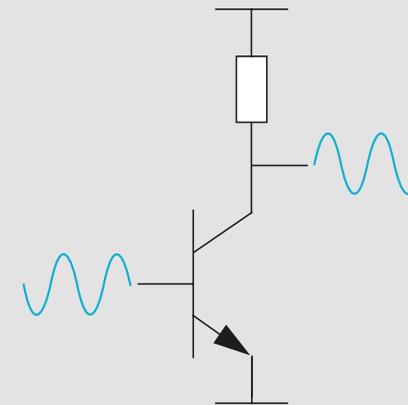
Like a hybrid car engine, Class G implements multiple power supplies rather than just a single supply. If a dynamic signal is received that goes beyond the capability of this first power supply, the secondary supply is gradually brought in up to full rated power output as required. This gives a very efficient design as additional power is only used when required, much like a turbo-charger. Modern high speed silicon allows us to make this switch faster than would ever be required, even way beyond the audio bandwidth, so there is no “turbo lag”.

ARCAM has been investigating and perfecting Class G for over ten years and, through intensive research and development, we bring amplifiers to market with no compromise, with absolute transparency and absolute power while retaining total control of the precious audio signal.

The first power supply is of lower power and within this region we run in pure Class A, which has no crossover distortion. As the secondary supply is only used when required, extreme levels of power are possible because very little energy is wasted in the amplifier as heat when it is not being used. Without control this power would be ill-used, so like high performance car tyres, multiple output devices within the amplifier keep a tight grip on the loudspeaker at all times, ensuring your listening experience never “leaves the road”.

Class A

An **inefficient solution** to the class A/B crossover problem



Pro's

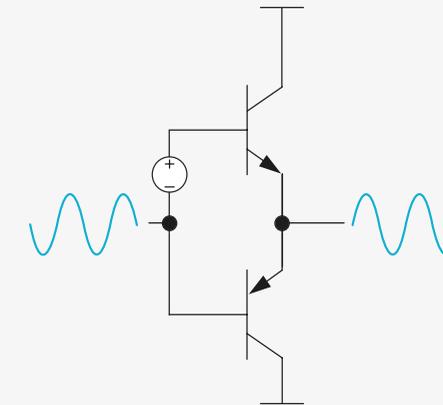
Does not suffer from crossover distortion and is often observed to be transparent for this reason offering a level of realism through low-level accuracy that is seldom achieved in a class A/B design.

Con's

When used in a solely Class A design, it is inefficient as it will always be drawing full power even with no signal to amplify. For this reason, Class A amplifiers usually offer lower power outputs and often found only in esoteric high-end designs.

Class AB

The **most common** amplifier design



Pro's

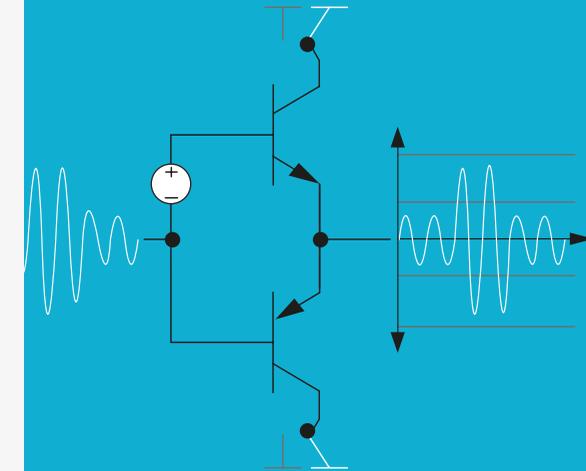
Far more efficient than pure Class A.

Con's

Suffers from crossover distortion at low levels – remember the magic of audio reproduction is not found in the loudest output, but in the tiniest of details that create that sense of reality.

Class G

Complex to design, but engineered correctly, the **clever solution**



Pro's

Greater efficiency and transparency with less wasted heat energy.

Con's

Expensive to engineer and hard to perfect, hence seldom seen.

Dirac Live

Dirac Live® Technology

ARCAM has featured Dirac Live, the state-of-the-art room technology, in its AV products since 2015 and it's now implemented in ARCAM's latest Hi-Fi separate, the SA30. Dirac Live ensures you get the most out of your ARCAM audio system for unrivalled sound-quality and performance.

Dirac Live is a mixed-phase room correction technology used in cinemas, studios and luxury cars. It corrects not only the frequency response but also the impulse response, a factor critical for accurate staging, clarity and bass reproduction.

Room acoustics are typically the weakest link in most sound systems, making acoustic sound treatment fundamental – in an imperfect environment, even exceptional loudspeakers don't perform as they should. Imaging, clarity, and bass punch are affected, and resonances in the speaker as well as room modes further distort the sound reproduction which results in music that isn't true to the artist's recording. With Dirac Live® you can easily measure the acoustic characteristics of your loudspeakers and room, and calibrate the sound system to reproduce sound as intended.

Dirac Live will:

- ▶ Improve the imaging of your sound system and the clarity of the music
- ▶ Make voices more intelligible
- ▶ Produce a tighter bass
- ▶ Reduce listening fatigue
- ▶ Improve the timbre, remove resonances and room modes
- ▶ Reduce early reflections
- ▶ Mixed-phase filtering for maximum performance and time domain control
- ▶ High-resolution filters through a proprietary filter structure with low computational requirements.





SA10

SA20

SA30

CDS50

ST60

Hi-Fi

Hear everything

The ARCAM HDA range of separate components has real pedigree. ARCAM started making stereo amplifiers in the 1970s and since inception, we pride ourselves on engineering systems that are transparent and faithful to the original sound.

The ultra-low levels of distortion and noise that these systems exhibit deliver a natural but highly detailed result which allows you to listen and be swept along by the power and majesty of an orchestra in flow.

Our goal is to serve the music makers faithfully. Attention to the detail in all aspects of circuit design, layout, part quality and mechanical isolation plays a crucial role in delivering a result that will thrill and delight all who listen. An ARCAM HDA system is an investment in music that will repay the owner many times over in listening pleasure.

ARCAM



SA10

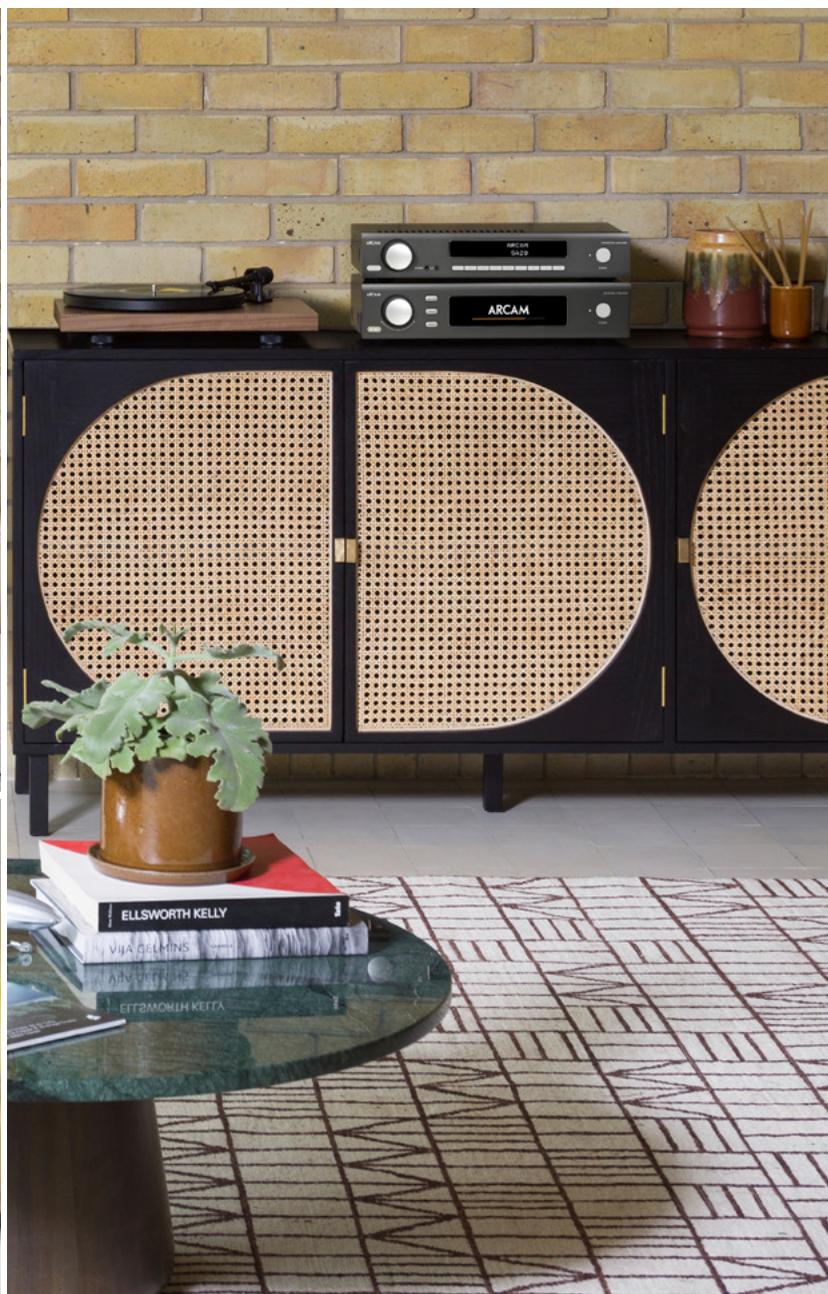
Class AB Integrated Amplifier

An extremely flexible class A/B integrated amplifier with a healthy 50W of power per channel. Includes five analogue inputs including phono and three digital inputs.

Features:

- ▶ Extremely efficient class A/B amplification
- ▶ 50W of power per channel
- ▶ 5 analogue inputs including phono
- ▶ 3 digital inputs
- ▶ 32-bit DAC, Sabre ESS9016K2M
- ▶ Full I/P control
- ▶ Total harmonic distortion + noise = 0.003%





SA20

Class G Integrated Amplifier

A remarkably efficient Class G integrated amplifier, the SA20 boasts greater power output for powering significant loudspeakers in larger spaces and our reference DAC for the best digital audio sound quality.

Features:

- ▶ Class G amplification for impeccable sound and efficiency
- ▶ 90W of power per channel
- ▶ 5 analogue inputs including phono
- ▶ 3 digital inputs
- ▶ 32-bit DAC, Sabre ESS9038K2M
- ▶ Full I/P control
- ▶ Total harmonic distortion + noise = 0.003%





SA30

Class G Streaming Integrated Amplifier

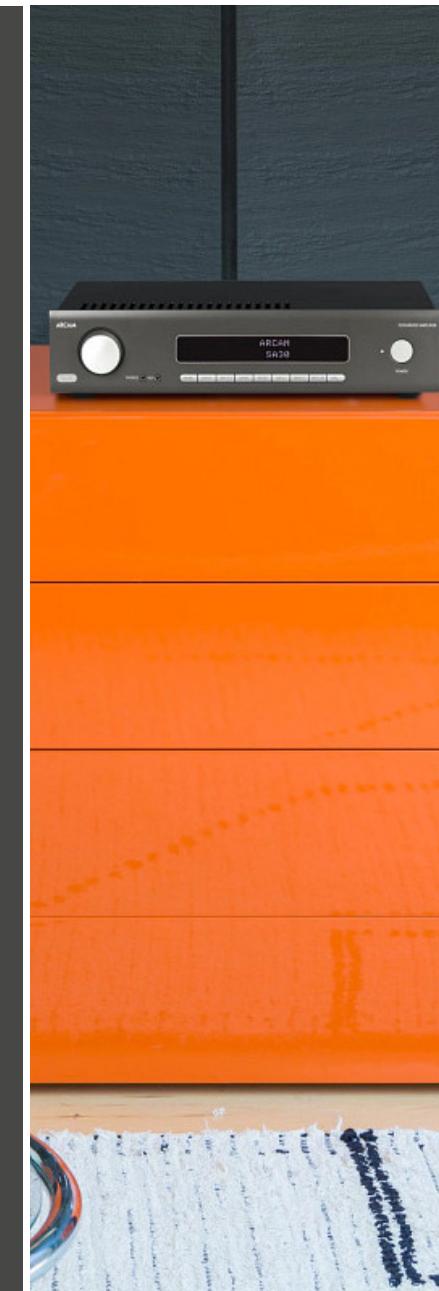
The SA30 is a streaming integrated amplifier offering an impressive 120W of Class G amplification for impeccable sound, control and efficiency. Featuring Dirac Live, state-of-the-art room correction technology, and eARC support, the SA30 delivers unparalleled performance with sound quality optimized to its surroundings.

The SA30 is designed with all the latest cutting-edge features – Class G is expertly implemented and, the highest resolution of audio support is presented.

Simple streaming is available with a mobile device using the native app of choice via Apple AirPlay2 or Google Chromecast.

Features:

- ▶ Class G amplification for impeccable sound and efficiency
- ▶ 120W of power per channel into 8Ω, 220W into 4Ω
- ▶ 5 analogue inputs including switchable MM/MC PHONO input
- ▶ 4 digital inputs
- ▶ 1 ARC input
- ▶ Google Cast, AirPlay 2, uPnP Streamer
- ▶ Gapless playback
- ▶ Room Ready
- ▶ MQA supported
- ▶ 3 Dirac EQ profiles (input assignable)
- ▶ 32-bit DAC, Sabre ESS9038Q2M
- ▶ Full I/P control including Control4 and Crestron
- ▶ Total harmonic distortion + noise = 0.002%



CDS50

CD/SACD Network Player

The CDS50 is a versatile and powerful CD/ SACD, digital audio and network streaming player that expands the digital realm of high-resolution audio. Supporting all disc formats, including SACD, an array of audio file formats and, with local streaming, your listening options are endless. The high-end design of the CDS50 combined with the high-quality 32-bit DAC ensures you experience exceptional sound quality whichever format you prefer.

Features:

- ▶ Plays all disc formats, including SACD, CD-A, CD-R and CD-RW
- ▶ Supports audio file formats including FLAC, WAV, AIFF, OGG, MP3, AAC and WMA
- ▶ USB input
- ▶ Superb 32-bit DAC built in
- ▶ Streaming through the music life app
- ▶ Total harmonic distortion + noise = 0.002%



ST60

Streamer

The ST60 is a high-performance streaming source that enables streaming audio from all of the major services (Tidal, Qobuz, Spotify, Napster, Deezer, etc.) over Cast or Airplay2. It will also handle UPnP sources and is Roon ready.

Features:

- ▶ 4 digital inputs
- ▶ Balanced XLR and Single ended RCA analogue outputs
- ▶ Optical and coaxial digital outputs
- ▶ GoogleCast, Airplay2, uPnP Streamer
- ▶ Roon Ready certified
- ▶ MQA supported
- ▶ 32-bit ESS9038Q2M Sabre DAC
- ▶ Full I/P and RS232 control including Control4 and Crestron
- ▶ Total harmonic distortion + noise = 0.0008%





Home Cinema

ARCAM is one of a very few specialist manufactures who are able to engineer home cinema electronics that can reproduce music to the same standard as the best stereo separates. Most other home cinema systems are disappointing when reproducing music. The engineering know-how and detail amassed over more than 40 years goes into all our designs and the difference in sound quality is readily appreciable. This level of reproduction adds massively to the realism of both movie and music playback. The recent growing availability and quality of 4k video sources has made it possible to rival the very best cinematic experience in the comfort and privacy of your own home.

Some of our customers are lucky enough to have a room they can devote to a private home cinema but most of our customers need a system that can also be their main music replay system. We have therefore engineered systems that can deliver the best of both worlds in a normal living room and have designed products whose understated looks will grace any home.



AVR5

AVR11

AVR21

AVR31

AV41

PA240

PA410

PA720

ARCAM



AVR5

Class AB AV Receiver

The AVR10 is a high-performance audio/visual receiver that delivers stunning realism for the ultimate home cinema experience. With an impressive 12-channel surround solution and featuring all the latest CODECs from Dolby, DTS, Auro-3D and IMAX Enhanced, the AVR10 exemplifies sound quality and engineering excellence.

The AVR10 features the efficient class AB amplification for a level of transparency that delivers the most captivating sound. Audiophile listening experiences are optimised with full 12-channel Dirac calibration on board as well as simple streaming with a mobile device using the native app of choice via Apple AirPlay2 or Google Chromecast.

Features:

- ▶ Dolby Atmos & DTS:X 7.1.4 decoding
- ▶ 4K (UHD) HDMI2.0b with HDCP2.2
- ▶ 7 HDMI inputs, 2 HDMI outputs, eARC compatible
- ▶ Ready for Dirac Live® room correction*
- ▶ ESS 9026PRO audiophile DACs
- ▶ Class AB power amplification
- ▶ Uses frame-type transformer
- ▶ Wifi / Ethernet, RS232 and IR control
- ▶ Apple Airplay2 and Google Cast for streaming audio
- ▶ Bluetooth aptX@HD
- ▶ Free MusicLife iOS and Android UPnP streaming app
- ▶ Supports MQA
- ▶ Room Ready



AVR11

HDMI 2.1 Class AB AV Receiver

The AVR11 is a high-performance audio/visual receiver that delivers stunning realism for the ultimate home cinema experience. With native 12-channel decoding of immersive audio from Dolby Atmos and DTS:X, the AVR11 can deliver incredible theatre experiences.

The Arcam AVR11 is designed with a passion for music and movies, bringing both to life with truly high fidelity. The AVR11 features an over-engineered power supply and transformer for real world power with low noise. The 7 channels of Class AB amplification are based upon those in Arcam stereo amplifiers, guaranteeing musicality otherwise not heard from other AV receivers.

The performance and musicality can be assured with Dirac Live® room optimisation included, and accessed instantly with integrated streaming using Apple®Airplay2, Google Chromecast®, Bluetooth with aptX®HD, Spotify Connect, Tidal Connect and UPnP with the MusicLife app.



Features:

- ▶ Dolby Atmos, DTS:X & AURO-3D 7.1.4 decoding
- ▶ 7 HDMI inputs, 2 HDMI outputs, eARC compatible
- ▶ HDMI 2.1 with HDCP2.3
- ▶ All inputs support 8K@60fps and 4K@120fps
- ▶ Supports Dolby Vision, HDR10+, HDR10 and HLG
- ▶ Includes Dirac Live® room correction
- ▶ Ready for Dirac Live Bass Control*
- ▶ Dual ESS 9026PRO audiophile DACs with ESS reference voltage regulators
- ▶ 7 Channels of Class AB power amplification
- ▶ Wi-Fi / Ethernet, RS232 and IR control
- ▶ Google Chromecast® built-in for streaming audio
- ▶ Apple® Airplay2
- ▶ Bluetooth aptX®HD
- ▶ Free MusicLife iOS and Android UPnP app
- ▶ Supports MQA
- ▶ Roon Ready



AVR21

HDMI 2.1 High Power Class AB AV Receiver

The AVR21 is a high-power, audio/visual receiver that delivers stunning realism for the ultimate home cinema experience. With native 16-channel decoding of immersive audio from Dolby Atmos, DTS:X and Auro-3D, the AVR21 can deliver incredible theatre experiences.

The Arcam AVR21 is designed with a passion for music and movies, bringing both to life with high fidelity and dynamics. The AVR21 features an over engineered toroidal transformer for real world power with low noise. The 7 channels of Class AB amplification are based upon those in Arcam stereo amplifiers, guaranteeing musicality otherwise not heard from other AV receivers.

The performance and musicality can be assured with Dirac Live® room optimisation included, and accessed instantly with integrated streaming using Apple®Airplay2, Google Chromecast®, Bluetooth with aptX®HD, Spotify Connect, Tidal Connect and UPnP with the MusicLife app.



Features:

- ▶ 16 Channels of Dolby Atmos, DTS:X & Auro-3D decoding
- ▶ 7 HDMI inputs, 3 HDMI outputs inc Zone 2, eARC compatible
- ▶ HDMI 2.1 with HDCP2.3
- ▶ All inputs support 8K@60fps and 4K@120fps
- ▶ Supports Dolby Vision, HDR10+, HDR10 and HLG
- ▶ Includes Dirac Live® room correction
- ▶ Ready for Dirac Live Bass Control*
- ▶ Dual ESS 9026PRO audiophile DACs with ESS reference voltage regulators
- ▶ 7 Channels of high power Class AB amplification
- ▶ Wi-Fi / Ethernet, RS232 and IR control
- ▶ Google Chromecast® built-in for streaming audio
- ▶ Apple® Airplay2
- ▶ Bluetooth aptX®HD
- ▶ Free MusicLife iOS and Android UPnP app
- ▶ Supports MQA
- ▶ Room Ready



AVR31

HDMI 2.1 Class G AV Receiver

The AVR31 is a high-power, audio/visual receiver that delivers stunning realism for the ultimate home cinema experience. With native 16-channel decoding of immersive audio from Dolby Atmos, DTS:X and Auro-3D, the AVR31 can deliver incredible theatre experiences.

The Arcam AVR31 is designed with a passion for music and movies, bringing both to life with high fidelity and dynamics. The AVR31 features an over engineered toroidal transformer for real world power with low noise. The 7 channels of Class G amplification are based upon those in Arcam stereo amplifiers, guaranteeing musicality otherwise not heard from other AV receivers.

The performance and musicality can be assured with Dirac Live® room optimisation included, and accessed instantly with integrated streaming using Apple® Airplay2, Google Chromecast®, Bluetooth with aptX®HD, Spotify Connect, Tidal Connect and UPnP with the MusicLife app.



Features:

- ▶ 16 Channels of Dolby Atmos, DTS:X & Auro-3D decoding
- ▶ 7 HDMI inputs, 3 HDMI outputs inc Zone 2, eARC compatible
- ▶ HDMI 2.1 with HDCP2.3
- ▶ All inputs support 8K@60fps and 4K@120fps
- ▶ Supports Dolby Vision, HDR10+, HDR10 and HLG
- ▶ Includes Dirac Live® room correction
- ▶ Ready for Dirac Live Bass Control*
- ▶ Dual ESS 9026PRO audiophile DACs with ESS reference voltage regulators
- ▶ 7 Channels of high power Class G amplification
- ▶ Wi-Fi / Ethernet, RS232 and IR control
- ▶ Google Chromecast® built-in for streaming audio
- ▶ Apple® Airplay2
- ▶ Bluetooth aptX®HD
- ▶ Free MusicLife iOS and Android UPnP app
- ▶ Supports MQA
- ▶ Room Ready



AV41

HDMI 2.1 AV Processor

The AV41 is a high-performance, audio/visual processor that delivers stunning realism for the ultimate home cinema experience. With native 16-channel decoding of immersive audio from Dolby Atmos, DTS:X and Auro-3D, the AV41 can deliver incredible theatre experiences in partnership with Arcam power amplifiers.

The Arcam AV41 is designed with a passion for music and movies, bringing both to life with high fidelity and dynamics. The AV41 boasts XLR balanced outputs for all 16 channels to deliver the highest quality analogue connection to power amplifiers.

The performance and musicality can be assured with Dirac Live® room optimisation included, and accessed instantly with integrated streaming using Apple® Airplay2, Google Chromecast®, Bluetooth with aptX®HD, Spotify Connect, Tidal Connect and UPnP with the MusicLife app.



Features:

- ▶ 16 Channels of Dolby Atmos, DTS:X & Auro-3D decoding
- ▶ 7 HDMI inputs, 3 HDMI outputs inc Zone 2, eARC compatible
- ▶ HDMI 2.1 with HDCP2.3
- ▶ All inputs support 8K@60fps and 4K@120fps
- ▶ Supports Dolby Vision, HDR10+, HDR10 and HLG
- ▶ Includes Dirac Live® room correction
- ▶ Ready for Dirac Live Bass Control*
- ▶ Dual ESS 9026PRO audiophile DACs with ESS reference voltage regulators
- ▶ 16 transformerless balanced XLR output channels
- ▶ Pairs with PA720, PA240 & PA410 power amplifiers
- ▶ Wi-Fi / Ethernet, RS232 and IR control
- ▶ Google Chromecast® built-in for streaming audio
- ▶ Apple® Airplay2
- ▶ Bluetooth aptX®HD
- ▶ Free MusicLife iOS and Android UPnP app
- ▶ Room Ready and supports MQA



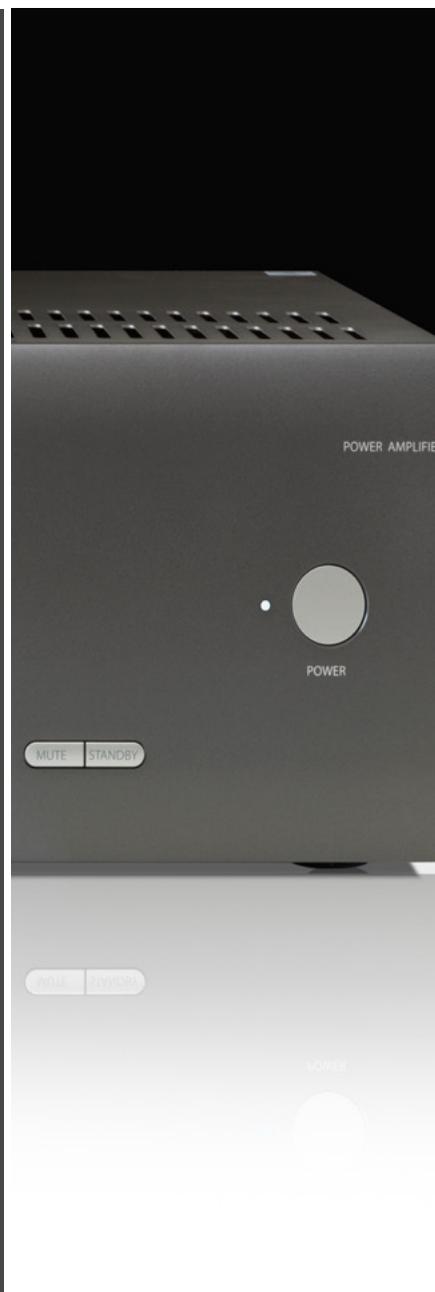
PA240

2 Channel Power Amplifier

The PA240 is a high-performance power amplifier that delivers 2 channels of efficient Class G amplification. With an impressive 380W per channel, the PA240 is designed to offer the greatest flexibility and power without compromising on control.

Features:

- ▶ 2 Channel Power Amplifier
- ▶ 2 x 225W Class G amplification (8ohm, 20Hz-20kHz, 0.2% THD)
- ▶ 1 x 790W Class G bridged mode (8ohm, 20Hz-20kHz, 0.2% THD)
- ▶ Class G amplification with 50W of class A operation
- ▶ Toroidal transformer
- ▶ Stereo, Dual Mono or Bridged operation
- ▶ Ethernet, RS232 control
- ▶ Switchable RCA or balanced XLR input



PA410

4 Channel Power Amplifier

The PA410 is a high-performance power amplifier that delivers 4 channels of efficient Class AB amplification. With an impressive 70W per channel, the PA410 is designed to offer the greatest flexibility and power without compromising on control.

Features:

- ▶ 4 Channel Power Amplifier
- ▶ 4 x 50W Class AB amplification (8ohm, 20Hz-20kHz, 0.2% THD)
- ▶ Toroidal transformer
- ▶ RS232 control



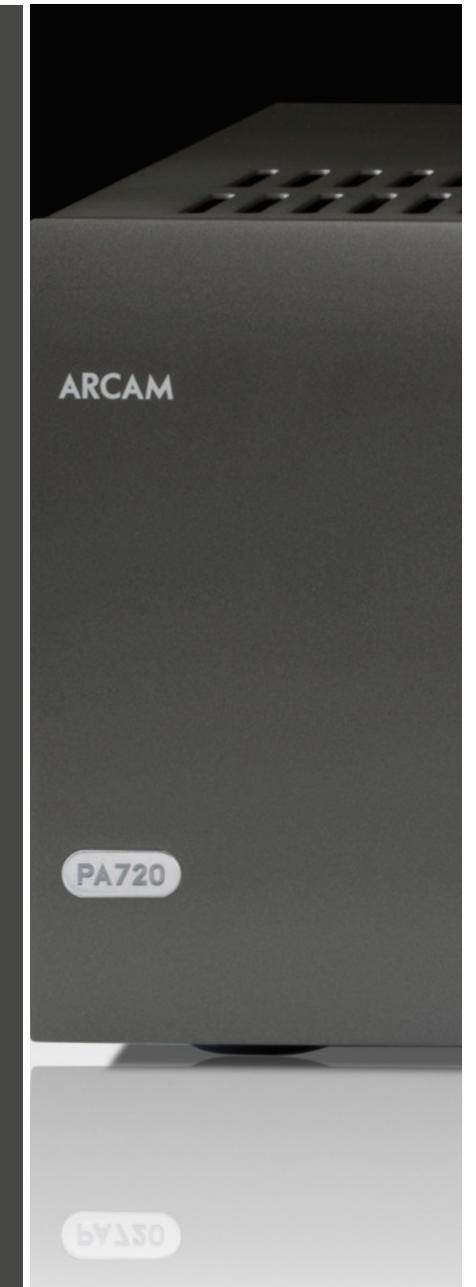
PA720

7 Channel Power Amplifier

The PA720 is a high-performance power amplifier that delivers 7 channels of efficient Class G amplification. With an impressive 140W per channel, the PA720 is designed to offer the greatest flexibility and power without compromising on control.

Features:

- ▶ 7 Channel Power Amplifier
- ▶ 7 x 100W Class G amplification (8ohm, 20Hz-20kHz, 0.2% THD)
- ▶ Class G amplification with 20W of Class A operation
- ▶ Toroidal transformer
- ▶ Ethernet, RS232 control
- ▶ Switchable RCA or balanced XLR inputs





SOLO UNO

Digital

The way we access and enjoy music has changed significantly within the last 20 years. With the exception of Vinyl, all common sources of music are digital and now more than ever, these are driven by the internet. ARCAM now has the widest collection of digital music players in our history. From the CDS50, a more typical CD player that also plays high resolution SACDs, to the SA30 integrated amplifier, and our multi-channel AV receivers and Processor. All are able to provide instant access to all your favourite digital audio sources. Whether it is local content on your hard drive or music services like Tidal, Qobuz or Spotify, you can enjoy your favourite playlists on demand with our MusicLife app, or directly from your smartphone or tablet with AirPlay2 or Google Cast.*

With over 30 years of digital music playback products, ARCAM was the first specialist audio company to design our own CD player and not modify a Sony or Philips. ARCAM produced the first separate DAC in 1987 with the ARCAM Black Box defining an important product category in high performance audio. Our products now define ultimate performance with convenience, delivering on our technical experience with some of the best performing digital audio systems inside all our amplifiers, keeping the box count to a minimum.

*AirPlay2 and Google Cast not on CDS50.

ARCAM



SOLO UNO

Streamer with Built-in Amplifier

The Solo Uno brings total simplicity to the complex world of audio streaming by providing a compact, stylish and elegant streamer with a built-in amplifier. Boasting the class-leading ARCAM sound quality, this effortless system requires the addition of just two speakers and a mobile device using the native music app of choice via Apple AirPlay2, Roon ready, UPnP or Google Chromecast. In addition, the Solo Uno can be updated “over the air” automatically to provide enhanced future streaming features and years of listening enjoyment.

Features:

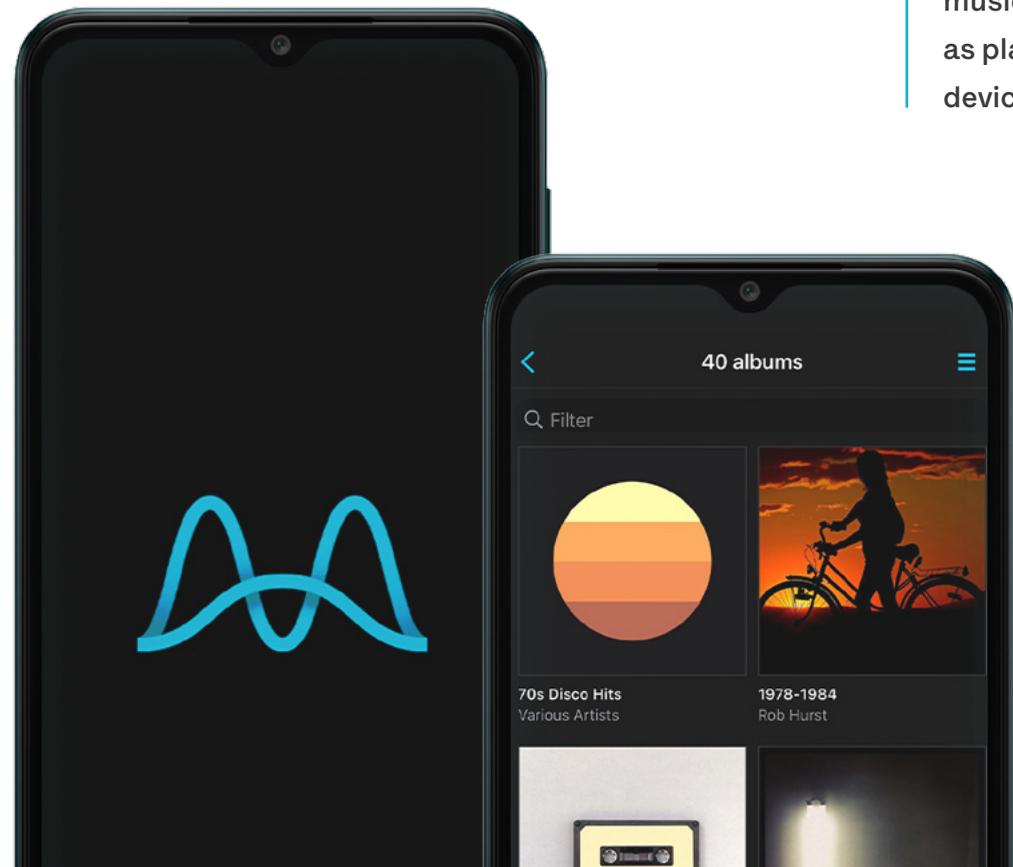
- ▶ Class leading super-efficient amplifier design
- ▶ Stylish cast aluminium case
- ▶ A simple system that only requires two speakers, the Solo Uno and an app
- ▶ Google Cast, AirPlay 2, Roon Ready, UPnP Streamer
- ▶ Optimised for low noise and minimum distortion
- ▶ High-end audio circuitry



MusicLife

Streaming and Control App

Developed in-house at ARCAM, the MusicLife app is regularly updated to add features and functions to ARCAM's broad range of networked Hi-Fi and AV components. Effortlessly control streaming music from your PC / Mac or NAS drive directly from your Android device, iPad, or iPhone. MusicLife gives you complete control of the media player in your ARCAM network-based music system, including advanced features such as playback of content stored on your Android device, iPad, or iPhone, shuffle & repeat playback.



Specifications

Hi-Fi

SA10			
Description /	Class AB Integrated Amplifier	Maximum Input /	6Vrms
Frequency Response /	20Hz – 20kHz ± 1dB	Signal/Noise Ratio (A-wtd) 50W, ref. 1V input /	106dB
Nominal Sensitivity /	1V	Mains Voltage /	110-120V or 220-240V, 50-60Hz
Input Impedance /	10kΩ	Maximum Power Consumption /	350W
Continuous power output, 0.5% THD, per channel, both channels driven @ 1kHz, 4ohm /	85W	Dimensions (W x D x H) /	433 x 323 x 87mm (17" x 12.7" x 3.4")
		Weight (net) /	8.4kg (18.5 lb)
SA20			
Description /	Class G Integrated Amplifier	Maximum Input /	6Vrms
Frequency Response /	20Hz – 20kHz ± 1dB	Signal/Noise Ratio (A-wtd) 50W, ref. 1V input /	115dB
Nominal Sensitivity /	1V	Mains Voltage /	110-120V or 220-240V, 50-60Hz
Input Impedance /	10kΩ	Maximum Power Consumption /	500W
Continuous power output, 0.5% THD, per channel, both channels driven @ 1kHz, 4ohm /	150W	Dimensions (W x D x H) /	433 x 323 x 87mm (17" x 12.7" x 3.4")
		Weight (net) /	9.2kg kg (20.3 lb)
SA30			
Description /	Class G Streaming Integrated Amplifier	Maximum Input /	6Vrms
Frequency Response /	20Hz – 20kHz ± 1dB	Signal/Noise Ratio (A-wtd) 50W, ref. 1V input /	120dB
Nominal Sensitivity /	1V	Mains Voltage /	110-120V or 220-240V, 50-60Hz
Input Impedance /	10kΩ	Maximum Power Consumption /	800W
Continuous power output, 0.5% THD, per channel, both channels driven @ 1kHz, 4ohm /	200W	Dimensions (W x D x H) /	433 x 323 x 100mm (17" x 12.7" x 3.9")
		Weight (net) /	12kg (26.4 lb)

CDS50			
Description /	CD/SACD Player	Harmonic Distortion (1kHz) /	<0.0008%
Frequency Response /	10Hz – 20kHz ± 0.5dB	Mains Voltage /	110–240V, 50–60Hz
Output Level (0dB) /	2.2Vrms unbalanced, 4.5Vrms balanced	Maximum Power Consumption /	20W
Output Impedance /	47Ω unbalanced, 600Ω balanced	Dimensions (W x D x H) /	433 x 283 x 87 mm (17" x 11.1" x 3.4")
Minimum Recommended Load /	5kΩ	Weight (net) /	5.3kg (11.7 lb)
Maximum Input /	6Vrms		
ST60			
Description /	Streamer	Harmonic Distortion (1kHz) /	<0.0008%
Frequency Response /	10Hz – 20kHz ± 0.5dB	Mains Voltage /	110–240V, 50–60Hz
Output Level (0dB) /	2.2Vrms unbalanced, 4.5Vrms balanced	Maximum Power Consumption /	10W
Output Impedance /	47Ω unbalanced, 600Ω balanced	Dimensions (W x D x H) /	433 x 306 x 102 mm (17" x 12" x 4")
Minimum Recommended Load /	5kΩ	Weight (net) /	5.5kg (12.1 lb)
Maximum Input /	6Vrms		

Home Cinema

AVR5			
Description /	Class AB AV Receiver	Video Outputs /	HDMI - Z1 x2 (out1 eARC, HDMI2.0b, HDCP2.2, out2 HDMI2.0a, HDCP2.2), Z2 x1 (HDMI2.0a, HDCP2.2)
Continuous Power Output, per channel /	2 channels driven, 20Hz – 20kHz, <0.02% THD – 80W		
Signal/Noise Ratio /	–100dB	Audio Inputs /	HDMI – x7, Coax SPDIF – x4, Toslink – x2, RCA Phono – x6, 3.5mm aux, USB input, Ethernet Client, Internet Radio, eARC (from display)
Frequency Response /	– 20Hz—20kHz ± 0.2dB		
Video Inputs /	HDMI – x7(HDMI2.0a, HDCP2.2)	Dimensions (W x D x H) /	432 x 425 x 171mm (17.05" x 16.73" x 6.73")
		Weight (net) /	16.5kg (36.4 lb)

AVR11			
Description /	HDMI 2.1 Class AB AV Receiver	Video Outputs /	HDMI - Z1 x2 (out1 eARC, HDMI2.1, HDCP2.3, out2 HDMI2.1, HDCP2.3), Z2 x1 (HDMI2.1, HDCP2.3)
Continuous Power Output, per channel /	2 channels driven, 20Hz – 20kHz, <0.02% THD – 80W	Audio Inputs /	HDMI – x7, Coax SPDIF – x4, Toslink – x2, RCA Phono – x6, 3.5mm aux, USB input, Ethernet Client, Internet Radio, eARC (from display)
Signal/Noise Ratio /	–100dB	Dimensions (W x D x H) /	433 x 425 x 171mm (17.05" x 16.73" x 6.73")
Frequency Response /	– 20Hz—20kHz ± 0.2dB	Weight (net) /	16.5kg (36.4 lb)
Video Inputs /	HDMI – x7(HDMI2.1, HDCP2.3)		

AVR21			
Description /	HDMI 2.1 High Power Class AB AV Receiver	Video Outputs /	HDMI - Z1 x2 (out1 eARC, HDMI2.1, HDCP2.3, out2 HDMI2.1, HDCP2.3), Z2 x1 (HDMI2.1, HDCP2.3)
Continuous Power Output, per channel /	2 channels driven, 20Hz – 20kHz, <0.02% THD – 110W	Audio Inputs /	HDMI – x7, Coax SPDIF – x4, Toslink – x2, RCA Phono – x6, 3.5mm aux, USB input, Ethernet Client, Internet Radio, eARC (from display)
Signal/Noise Ratio /	–100dB	Dimensions (W x D x H) /	434 x 425 x 171mm (17.05" x 16.73" x 6.73")
Frequency Response /	– 20Hz—20kHz ± 0.2dB	Weight (net) /	16.6kg (36.6 lb)
Video Inputs /	HDMI – x7(HDMI2.1, HDCP2.3)		

AVR31			
Description /	HDMI 2.1 Class G AV Receiver	Video Outputs /	HDMI - Z1 x2 (out1 eARC, HDMI2.1, HDCP2.3, out2 HDMI2.1, HDCP2.3), Z2 x1 (HDMI2.1, HDCP2.3)
Continuous Power Output, per channel /	2 channels driven, 20Hz – 20kHz, <0.02% THD – 120W	Audio Inputs /	HDMI – x7, Coax SPDIF – x4, Toslink – x2, RCA Phono – x6, 3.5mm aux, USB input, Ethernet Client, Internet Radio, eARC (from display)
Signal/Noise Ratio /	–100dB	Dimensions (W x D x H) /	435 x 425 x 171mm (17.05" x 16.73" x 6.73")
Frequency Response /	– 20Hz—20kHz ± 0.2dB	Weight (net) /	18.1kg (39.9 lb)
Video Inputs /	HDMI – x7(HDMI2.1, HDCP2.3)		

AV41			
Description /	HDMI 2.1 AV Processor	Video Outputs /	HDMI - Z1 x2 (out1 eARC, HDMI2.1, HDCP2.3, out2 HDMI2.1, HDCP2.3), Z2 x1 (HDMI2.1, HDCP2.3)
Signal/Noise Ratio /	–100dB	Audio Inputs /	HDMI – x7, Coax SPDIF – x4, Toslink – x2, RCA Phono – x6, 3.5mm aux, USB input, Ethernet Client, Internet Radio, eARC (from display)
Frequency Response /	– 20Hz—20kHz ± 0.2dB	Dimensions (W x D x H) /	435 x 425 x 171mm (17.05" x 16.73" x 6.73")
Video Inputs /	HDMI – x7(HDMI2.1, HDCP2.3)	Weight (net) /	10.6kg (23 lb)

PA240			
Description /	Power Amplifier	Signal/Noise Ratio (A-wtd) 50W / 8Ω /	110dB
Harmonic Distortion 80% power, 8ohm at 1kHz /	0.002%	Mains Voltage /	110–120V or 220–240V, 50–60Hz
Nominal Sensitivity /	for 200W / 8ohm 1.15V (RCA type), 2.3V (XLR type) @ 31dB	Maximum Power Consumption /	1.5kW
Frequency Response /	– 20 - 20kHz +/-0.05dB	Dimensions (W x D x H) /	433 x 425 x 171mm (17.05" x 16.73" x 6.73")
Input Impedance /	10kΩ	Weight (net) /	18kg (36.6 lb)

PA410			
Description /	Power Amplifier	Signal/Noise Ratio (A-wtd) 50W / 8Ω /	106dB
Harmonic Distortion 80% power, 8ohm at 1kHz /	0.002%	Mains Voltage /	110–120V or 220–240V, 50–60Hz
Nominal Sensitivity /	for 50W / 8Ω 0.56V	Maximum Power Consumption /	700W
Frequency Response /	– 20 - 20kHz +/-0.02dB	Dimensions (W x D x H) /	433 x 425 x 102mm (17.05" x 16.73" x 6.73")
Input Impedance /	10kΩ	Weight (net) /	10kg kg (22 lb)

PA720			
Description /	Power Amplifier	Signal/Noise Ratio (A-wtd) 50W / 8Ω /	112dB
Harmonic Distortion 80% power, 8ohm at 1kHz /	0.002%	Mains Voltage /	110–120V or 220–240V, 50–60Hz
Nominal Sensitivity /	for 100W / 8Ω 0.8V	Maximum Power Consumption /	1.5kW
Frequency Response /	– 20 - 20kHz +/-0.05dB	Dimensions (W x D x H) /	433 x 425 x 171mm (17.05" x 16.73" x 4")
Input Impedance /	10kΩ	Weight (net) /	18kg (36.6 lb)

Digital

SOLO UNO					
Description /	Streamer with Built-in Amplifier		Subwoofer /	Output Level	2.1V
Signal/Noise Ratio (A-Weighted) /	117dB			Cross-over frequency	80Hz
Output Power (1kHz, 1% THD, Two channels driven) /	4kΩ	50W	Power Requirements /	100 - 240VAC, 50/60Hz	
	8kΩ	25W	Dimensions (W x D x H) /	140 x 52 x 213mm (5.5" x 2" x 8")	
AUX Input Sensitivity /	2V		Weight (net) /	1.5kg (3.3 lb)	



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