

ANTHEM®

STR PREAMPLIFIER

NEW!

ARC®
GENESISFor Mac
and PC

ARC® Genesis is Anthem's latest and most advanced room correction software.

STR PREAMPLIFIER

PUSH THE POWER OF AUDIO CONTROL



The revolutionary STR Preamplifier is a new type of audio component that gives you more control and more refinements, including more connection options and more advanced technology, in a single, easy-to-use component. It combines the benefits of an advanced pre-amp with the power of a processor, as well as functions like leading-edge DAC, onboard Anthem

Room Correction, customizable bass manager for mono or stereo sub outs, MM and MC phono inputs; far more features than the average preamplifier. And count on Anthem's digital signal processing innovations to deliver a noticeably higher level of performance realism. The new STR Preamplifier drives all of your entertainment options today, and tomorrow.

FEATURES & FUNCTIONS

- High-resolution analog and digital preamplifier
- Anthem Room Correction™ (ARC) to optimize in-room response
- Bass management for two subwoofers, in mono or stereo
- Up-sampling of lower-resolution sources to 32-bit / 192 kHz
- Asynchronous USB audio input supports 32-bit / 384 kHz PCM, and DSD 2.8 / 5.6 MHz sources
- Coaxial, optical, and AES/EBU inputs up to 192 kHz
- MM and MC phono, balanced XLR, and single-ended analog inputs
- Six pre-RIAA curves plus adjustable settings for playing older records accurately
- Analog Direct Mode
- Adjustable analog input levels to match sources, minimize noise and prevent distortion
- Graphic front panel display for easy setup navigation
- Balanced output for all channels including the two subs

- Home Theater Bypass Mode works without having to turn power on and includes RCA/XLR input for two subs
- Create up to 30 virtual inputs for setup flexibility



STR Preamplifier pictured with STR Power Amplifier (sold separately). Both models available in black or silver finishes.

ARC® ANTHEM®
ROOM CORRECTION

ARC® mobile

USB DAC

Rev. 030519

FEATURES

USB DAC

Conversion from Digital to Analog

Get premium sound quality from your Windows or Mac laptop. The Anthem STR Integrated uses a high-quality, asynchronous USB audio input to translate digitally stored music into superb analog sound.



Anthem Exclusive Innovations

The STR Preamplifier includes the newest and most powerful generation of Anthem Room Correction (ARC), with 50% more processing power than any other version of ARC. This proprietary calibration tool, with its easy-to-use interface, automatically shapes the acoustic signature of your speakers for the best possible sound quality in your unique listening space. This is especially important for the lower frequencies.

Other innovations include a high-resolution preamplifier and digital section, which supports asynchronous USB up to 32-bit/384 kHz PCM and DSD 2.8/5.6 MHz sources, and uses signal processing that employs 64-bit accumulation and feedback to preserve the finest detail in the music and to avoid degradation. The digital to analog conversion section was designed to faithfully duplicate all the sounds in the original source.

To help achieve that effect for all input resolutions, a dedicated asynchronous 32-bit / 192 kHz sample rate conversion is used. This way, the DAC stage's anti-imaging filter is optimized for this sampling rate alone, resulting in an audio frequency range that's unmatched in purity, regardless of input format. In the process, the data gets reclocked, providing immunity from performance-marring source jitter.

Through the rest of the DAC circuitry, thin film high precision resistors and super low noise op-amps are used for lowest distortion, lowest noise, and most transparent sound. Other DAC units may boast about the performance of the DAC chip all by itself, but we view DAC stage design as a whole — there are no crippling bottlenecks anywhere in the DAC stage of the STR Preamplifier.

Aside from its cutting-edge technology, one look tells you that the STR Preamplifier is a different animal altogether. The display on the front panel gives you surprisingly easy control through an easy to navigate setup menu, and the luxurious and elegant new contemporary design is available in two beautiful finishes, Black or Silver.

More Subwoofer Options

The STR Preamplifier gives you more options for subwoofer configuration. Use one subwoofer or two for both channels, or two independent right-and-left channel-specific subwoofers. The bass management in conjunction with ARC is uniquely engineered for seamless subwoofer blending, achieving incredibly accurate and lifelike performance.

Moving Coil and Moving Magnet Phono

Anthem has also taken into consideration the resurgent popularity of vinyl records, and has included separate inputs for moving magnet and moving coil cartridges, with the phono section completely shielded to

maintain a clean signal. The transparency and refinement of the STR Preamplifier reveals the hidden magic of classic media. In addition, the phono curve is continuously adjustable for proper playback of any record that predates the RIAA equalization standard.

Home Theater Bypass

The concept of combining a stereo preamplifier with a home theater system is taken to a whole new level. The STR Preamplifier supports two subwoofer channels in addition to the two fronts. XLR as well as RCA connection is provided for all channels, and HT Bypass mode engages while the preamp is on standby. This way, you don't have to turn it on when watching movies. To allow the purest signal path, relays are employed to hard-wire the input jacks to the outputs — the STR Preamplifier essentially becomes a straight wire.

Premium Components

Clarity is maintained using carefully selected components, many of them engineered exclusively in-house at Anthem. We believe that two-channel listening demands attention to detail, with flawless signal integrity being the benchmark of stereo performance. To that ultimate end, the Anthem STR Preamplifier is designed with the shortest possible signal paths, and differential analog to digital circuitry to cancel artifacts and keep noise to a minimum.

FEATURES

SUPERIOR CRAFTSMANSHIP

Solid build quality works in concert with clean, clear, audiophile-quality sound throughout the frequency spectrum.

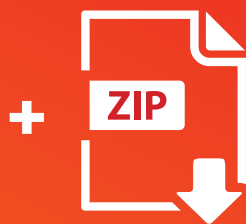


Anthem Room Correction (ARC®) Transform the sound in any space.

ARC
GENESIS



ARC Microphone



ARC® Genesis Software
(free download)



Mac OS X



Windows

ARC Genesis works with Mac or PC and is the most comprehensive method of transforming the sound in your room. Includes many new features. Download the FREE software at anthemav.com

ARC mobile

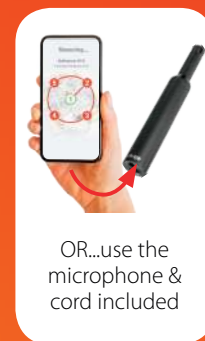


Download App

Download on the
App Store

GET IT ON
Google play

This method uses the device's
internal microphone.



OR...use the
microphone &
cord included

The FREE ARC Mobile app transforms the sound in any room using your smartphone.

TECHNICAL SPECS

Phono Preamplifier

Input Impedance 100 Ω (MC), 47 k Ω || 270 pF (MM)

RIAA Response (20 Hz - 20 kHz) $\pm$ 0.1 dB

Gain (1 kHz - volume set to 0 dB) 61 dB (MC), 41 dB (MM)

DSP Mode

Maximum Input (at 1 kHz for <0.01% THD 20 Hz - 20 kHz) 3.6 mV (MC), 38 mV (MM)

THD+N (at 1 kHz 20 Hz - 20 kHz BW, 2 Vrms output) < 0.015% (MC), < 0.003% (MM)

THD (at 1 kHz 20 Hz - 20 kHz BW, 2 Vrms output) 0.001% (MC), 0.001% (MM)

SNR (IEC-A, 2 Vrms output) 86 dB (MC), 103 dB (MM)

Direct Mode

Maximum Input Direct Mode

(at 1 kHz for <0.01% THD 20 Hz - 20 kHz) 11.8 mV (MC), 129 mV (MM)

THD+N (at 1 kHz 20 Hz - 20 kHz BW, 2 Vrms output) < 0.008% (MC), < 0.002% (MM)

THD (at 1 kHz 20 Hz - 20 kHz BW, 2 Vrms output) 0.001% (MC), 0.001% (MM)

SNR (IEC-A, 2 Vrms output) 90 dB (MC), 110 dB (MM)

Preamplifier

Frequency Response

digital-in, 192 kHz 10 Hz - 50 kHz (+0, -0.5 dB)

digital-in, 96 kHz 10 Hz - 45 kHz (+0, -0.5 dB)

digital-in, 44.1 kHz 10 Hz - 20 kHz ($\pm$ 0 dB)

analog-in, DSP mode 10 Hz - 40 kHz (+0.00, -0.20 dB)

analog-in, direct mode 10 Hz - 80 kHz (+0.00, -0.10 dB)

THD+N (20 Hz - 20 kHz BW, 2 Vrms output)

DSP mode 0.0006% Digital in, 0.0017% Analog in

Analog Direct Mode 0.0016%

SNR (at 1 kHz, IEC-A, 2 Vrms output)

DSP mode 113 dB (digital-in), 108 dB (analog-in)

Analog Direct Mode 120 dB

Maximum Output (<0.1% THD)

RCA connectors (direct and DSP modes) 3.3 Vrms

XLR connectors (direct and DSP modes) 6.6 Vrms

XLR Configuration Pin 1: Ground, Pin 2: Normal, Pin 3: Inverted

Power Requirement

This product operates from a single phase AC power source that supplies between 108V and 264V at a frequency of 50 or 60 Hz.

Power Consumption

Standby 0.38 W (120V), 0.45 W (240V)

Standby + Network 1.1 W (120V), 1.2 W (240V)

Typical Use 10 W

Dimensions

Height 3-8/9"(9.93 cm)

Width 17" (43.2 cm)

Depth (not including power cord) 14-5/6"(37.69 cm)

Weight (unpacked) 16.8 lb (7.6 kg)

ANTHEM®

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