

ANTHEM[®]
STR INTEGRATED
 AMPLIFIER

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**POWERING
 THE FUTURE
 OF AUDIO**



The revolutionary new STR Integrated Amplifier is based on an entirely new platform. It gives you more control and more power, with 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 massive amplifier and 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 integrated amp. And count on Anthem’s digital signal processing innovations to deliver a noticeably higher level of performance realism. The new STR Integrated Amplifier drives all of your entertainment options today, and tomorrow.

FEATURES & FUNCTIONS

- High-resolution preamplifier section
- High current, high output amplifier section
- Amplifier uses 8 bipolar output devices per channel, a toroidal transformer power supply, and Advanced Load Monitoring for 200W at 8 ohms, 400W at 4 ohms, 550W at 2 ohms, all continuous
- Anthem Room Correction™ to optimize in-room response
- Bass management for two subwoofers, in mono or stereo
- Up-sampling of lower-resolution sources to 24-bit / 192 kHz
- Asynchronous USB Audio Input supports 32-bit / 384 kHz PCM, and DSD 2.8 / 5.6 MHz sources
- S/PDIF coaxial and optical, and balanced AES/EBU inputs
- MM and MC phono, balanced XLR, and single-ended analog inputs

- Analog Direct mode
- Graphic Front Panel Display for easy setup navigation
- Controllable via Ethernet, RS-232, or supplied IR remote



Available in both black or silver (as shown).



TWO-CHANNEL NIRVANA

The STR Integrated Amplifier includes the newest generation of Anthem Room Correction (ARC), optimized for stereo performance. 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.

More Subwoofer Options

STR Integrated Amplifier 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 an incredibly accurate and lifelike performance.

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. A component must balance extreme power and delicate transparency, with flawless signal integrity being the benchmark of stereo performance. To that ultimate end, the Anthem STR Integrated Amplifier is designed with the shortest possible signal paths, and differential analog to digital circuitry to cancel artifacts and keep noise to a minimum.

The huge, precision-wound toroidal transformer and the matching oversized filter capacitors operate in harmony with the high-current, high-output amplifier section to produce an astounding 550W per channel continuously into 2 ohms! Peak production is effortless and instantaneous, cinching even the most challenging material. The use of multiple bipolar output devices dramatically reduces distortion while ensuring extreme linearity, extensive bandwidth, and stress-free reliability.

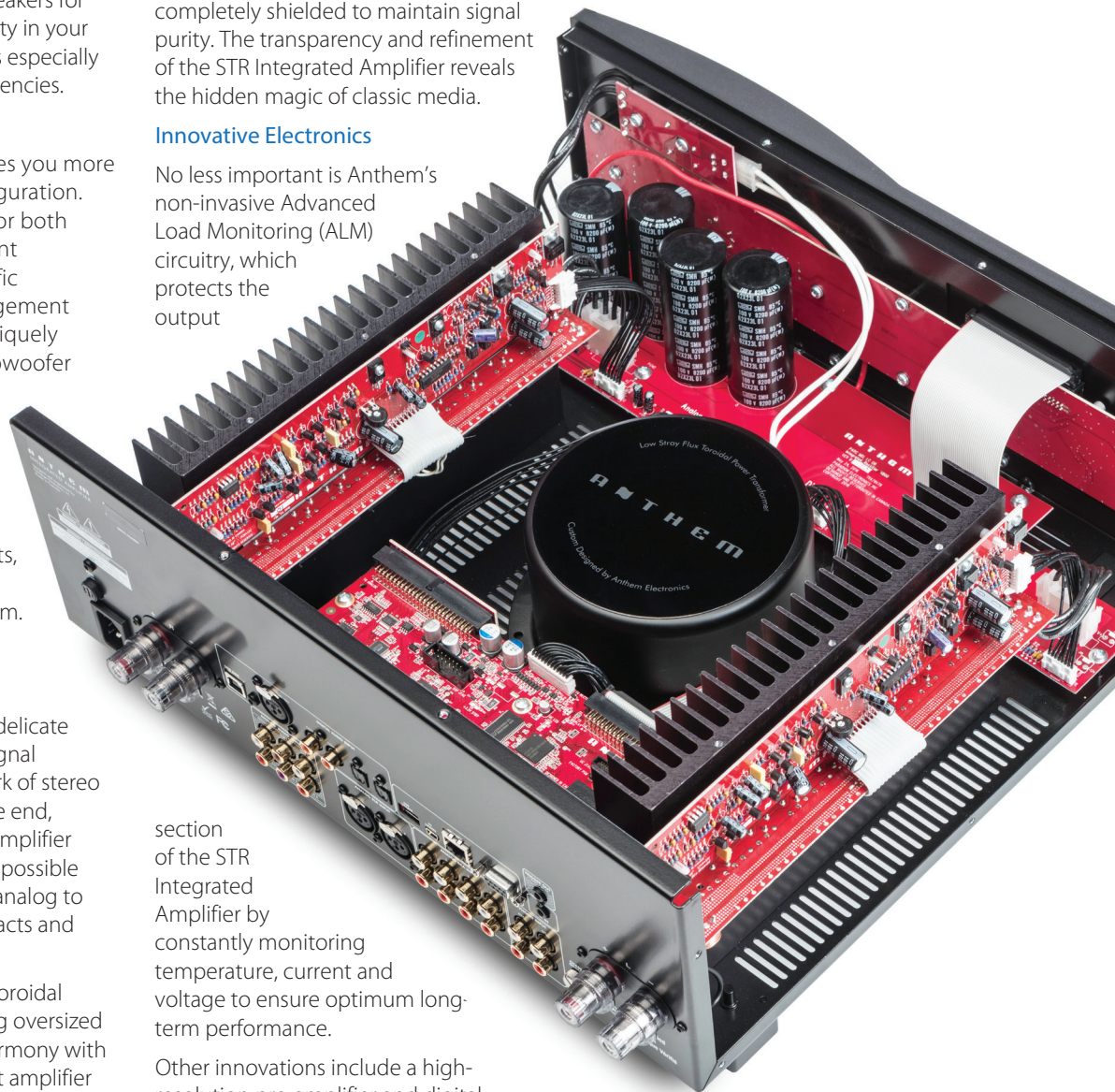
Moving Magnet and Moving Coil Phono

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 signal purity. The transparency and refinement of the STR Integrated Amplifier reveals the hidden magic of classic media.

Innovative Electronics

No less important is Anthem's non-invasive Advanced Load Monitoring (ALM) circuitry, which protects the output

front panel gives you surprisingly easy control through an easy to navigate setup menu. It's a part of the luxurious new industrial design of the STR Integrated Amplifier, a striking look that's available in two beautiful finishes, Black or Silver.



section of the STR Integrated Amplifier by constantly monitoring temperature, current and voltage to ensure optimum long-term performance.

Other innovations include a high-resolution pre-amplifier and digital section, with support for asynchronous USB up to 32-bit/384 kHz PCM and DSD 2.8/5.6 MHz sources. *And more.*

Aside from its cutting-edge technology and Anthem-exclusive innovations, one look tells you that the STR is a different amplifier animal altogether. The large Thin Film Transistor (TFT) display on the

The Crafted in Canada Difference

The STR Integrated Amplifier is designed, engineered and manufactured in Canada. The STR Integrated Amplifier is the first in a series of new premium STR products by Anthem, the leader in audio power and control.

FEATURES

SUPERIOR CRAFTSMANSHIP

and solid build quality working in concert with clean, clear, audiophile-quality sound throughout the frequency spectrum.



ARC ANTHEM ROOM CORRECTION

Audio optimized for any space

The STR Integrated Amplifier features exclusive Anthem Room Correction (ARC™) Technology. ARC uses a calibrated microphone and advanced DSP algorithms to quickly and easily optimize speaker performance in any space. In just a few easy steps the microphone measures sound output, compares it to scientifically optimal response curves, and instantly adjusts your settings for perfect sound. **You'll actually hear the difference ARC makes.**



easy

intermediate

professional

The STR Integrated Amplifier also supports ARC Mobile, making Anthem Room Correction (ARC™) even easier to use. **Download the ARC Mobile app.**



Correct your room acoustics using the method you are most comfortable with:

Requirements: iOS device

Download Anthem's ARC™ Mobile app to an iOS device. Use the iOS device's built-in microphone and measure five listening positions. It takes only minutes to complete.

Requirements: iOS device and the calibrated microphone

Download Anthem's ARC™ Mobile app to an iOS device. Select "microphone" from the app menu, connect the supplied 3.5 mm cord from an iOS device to the ARC microphone with dual output jacks and measure five listening positions.

Requirements: PC, calibrated microphone and Anthem's ARC™ software

Download and install Anthem's ARC™ software to your PC. Use the supplied calibrated microphone, USB cord and your PC to run ARC. Connect PC to STR using the second USB cord or connect it through your local network. Measure up to ten listening positions and if desired, customize the results, set up multiple configurations and print the graphs.

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.



Audiophile Binding Posts

Our own custom-designed, oversized robust binding posts ensure full power delivery at all times. They're easy to use and facilitate large speaker cable connectors.



Stable As A Rock

Our amplifiers are incredibly stable into difficult, low-impedance speaker loads, making these superb-sounding dynamos reliable performers in even the toughest circumstances.



Detachable Power Cord

By including IEC detachable AC female sockets and high-power, high-quality AC cords, STR Integrated Amplifiers further demonstrate their high-end pedigree.



Massive Toroidal Power Supply

The STR Integrated Amplifier delivers incredible dynamics thanks to a massive "audiophile approved" power supply. The advanced toroidal power transformer and its triple shielding ensure ultra quiet performance through vanishingly low stray magnetic field radiation. This provides the pure, clean, low-noise power that is needed to reproduce the full dynamics of the most complex and dynamic music recordings.

TECHNICAL SPECS

Phono Preamp

Input Impedance	100 Ω (MC), 47 k Ω 270 pF (MM)
RIAA Response (20 Hz - 20 kHz)	\pm 0.1 dB
Maximum Input (at 1 kHz for <0.1% THD 20 Hz - 20 kHz)	3.6 mV (MC), 37.7 mV (MM)
THD+N (at 1 kHz, 20 Hz - 20 kHz BW, 2 Vrms output)	0.008% (MC), 0.005% (MM)
SNR (at 1 kHz, IEC-A, 2 Vrms output)	82 dB (MC), 96 dB (MM)
Gain (default at 1 kHz, user adjustable \pm 20 dB)	55 dB (MC), 35 dB (MM)

Preamp

Frequency Response

digital-in, 192 kHz	10 Hz - 50 kHz (+0.00, -0.50 dB)
digital-in, 96 kHz	0 Hz - 45 kHz (+0.00, -0.50 dB)
digital-in, 44.1 kHz	10 Hz - 20 kHz (+0.00, -0.03 dB)
analog-in, DSP mode	10 Hz - 40 kHz (+0.02, -0.20 dB)
analog-in, direct mode	10 Hz - 80 kHz (+0.00, -0.10 dB)
THD+N (at 1 kHz, 20 Hz - 20 kHz BW, 2 Vrms output)	
digital-in, 44.1 kHz, 0 dBFS	0.0008%
analog-in, DSP mode, 1 Vrms input	0.0020%
analog-in, direct mode, 1 Vrms input	0.0020%
SNR (at 1 kHz, IEC-A, 2 Vrms output)	
digital-in, 44.1 kHz, 0 dBFS	112 dB
analog-in, DSP mode, 2 Vrms input	110 dB
analog-in, direct mode, 2 Vrms input	120 dB
Maximum Output (<0.1% THD)	2.2 Vrms except analog-direct 3.3 Vrms
XLR Configuration	Pin 1: Ground, Pin 2: Normal, Pin 3: Inverted

Power Amplifier

Output (per channel, continuous, 20 Hz - 20 kHz, <1% THD)	200 W (8 Ω), 400 W (4 Ω), 550 W (2 Ω)
THD (100 W)	0.002% (1 kHz), 0.015% (20 kHz)
IMD (100 W)	
ITU-R (19 kHz + 20 kHz)	0.0007%
SMPTE (60 Hz + 7 kHz)	0.005%
SNR (IEC-A, ref. 200 W)	114 dB
Frequency Response (20 Hz - 20 kHz)	\pm 0.1 dB
Power Bandwidth (-3 dB at 200 W into 8 ohms)	80 kHz
Slew Rate	30 V/ μ s
Damping Factor (20 Hz - 1 kHz)	330
Channel Separation	101 dB (100 Hz), 61 dB (10 kHz)

Power Requirement

120V version: In countries where the line voltage is 120V, this product operates from a single phase AC power source that supplies between 108V and 132V at a frequency of 60 Hz.

220V-240V version: In countries where the line voltage is 220V, 230V, or 240V, this product operates from a single phase AC power source that supplies between 198V and 264V at a frequency of 50 Hz.

TECHNICAL SPECS

Power Consumption

Standby	0.38 W (120V), 0.45 W (240V)
Standby + Network	1.1 W (120V), 1.2 W (240V)
Idle	40 W
Typical Use	250 W
High Output	500 W

Dimensions

Height	6-¾" (17.2 cm)
Width	17" (43.2 cm)
Depth (not including power cord)	17-½" (44.5 cm)
Weight (unpacked)	40 lb (18 kg)



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