

BRAYSTON



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BRAYSTON BR-20

PERFORMANCE DEFINED — DYNAMIC/CLEAN /ACCURATE

BRYSTON BR-20 PREAMPLIFIER

Preamplifier/DAC/Streamer



The Bryston BR-20 preamplifier is a fully balanced design from input to output

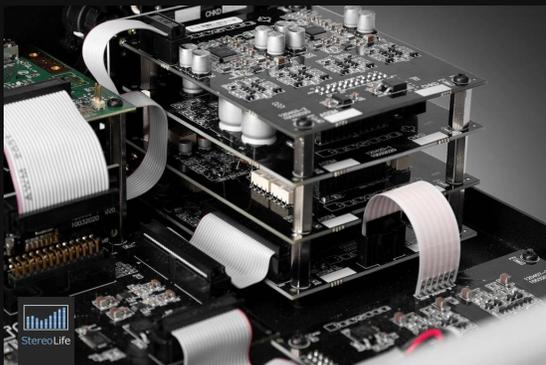


BR-20 ANALOG CIRCUITS

The BR-20's analog preamplifier is a byproduct of years of R&D that resulted in the development of an optimized discrete buffer amplifier capable of delivering a staggeringly low THD+N measurement at or below 0.0006%.

The analog signal path is a fully balanced design, using an array of very tightly matched components and a compact circuit design to achieve the lowest possible noise and superior common mode rejection. A ring of small LEDs grace the perimeter of the volume knob, clearly and elegantly indicating output level.

For the music enthusiast, this level of circuit sophistication means more lifelike performances, more detail and more dimensionality from the recordings you love. With support for up to 15 sources and a wide variety of inputs, users will certainly find the connectivity options they require for any system configuration.



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EXCEEDING EXPECTATIONS

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Features

Bryston BR-20 includes the following features:

- 2 RCA single-ended analog stereo input pairs and 2 XLR fully balanced stereo input pairs.
- 6 high resolution digital audio inputs with balanced digital to analog decoding.
- Supports up to PCM 384 kHz / 32 bit and DSD 256 (x4) audio data
- 2 XLR balanced stereo output pairs.
- Built-in streaming and digital audio file playback
- Control using web UI, included IR remote, or RS232.
- Low Z high output dedicated headphone amplifier.
- Available in either 17 inch or 19 inch wide Faceplates



GRACEFUL AND ACCURATE: BR-20 DIGITAL CIRCUITS

The BR-20 features Bryston's most advanced DAC and digital player/streaming platforms, giving listeners the best possible performance from any source. Users can access high-resolution content from up to seven external sources plus the internal digital music player that offers TIDAL and Qobuz streaming capability. Connectivity for an additional four HDMI sources becomes accessible when using the optional HDMI card. The internal DAC can decode PCM up to 384kHz/24 bit and DSD 256 (DSD x4), and it has the unusual capability to decode DSD over HDMI. With the BR-20's optional HDMI card, audiophiles can connect a compatible SACD player over HDMI to achieve the purest signal reproduction and best sound quality utilizing the player's onboard decoders.

Furthermore, if the Hi-Fi shares living space with a video system, users can connect 4K and HDR sources such as Apple TV, Blu-Ray players and more to the BR-20, while passing the high-resolution video through to their monitor or projector. The bit-perfect digital music player inside the BR-20 ensures the smoothest possible user experience along with the ability to effortlessly manage large music libraries thanks to gigabit Ethernet, more RAM and the addition of USB 3.0 connectivity for external music storage. The BR-20's built-in music player will natively pass PCM up to 384 kHz and DSD128 to the DAC.

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MAKING MUSIC MATTER



BR-20 Options

- A premium quality Moving Magnet (MM) phono
- HDMI card can be added

BR-20 Cubed Series Preamplifier

Specifications and Dimensions

| | |
|--------------------------------|--|
| Frequency Response | 20Hz - 20kHz: $\pm 0.05\text{dB}$ |
| Signal to Noise | Balanced Out: -110dB Single Ended Out: -110dB |
| IMD | $\leq 0.0003\%$ |
| THD + Noise | 20Hz-20kHz: $\leq 0.0006\%$ |
| Weight | 5.5kg 12 lbs |
| Dimensions | Inches: 17 or 19 W x 4.6 H x 13 D Cm: 43. or 48.3 W x 11.6 H x 33 D |
| Power Consumption at 120V/60Hz | Standby: 0.5W Idle: 45W Playing: 45W |

DEDICATED HEADPHONE AMPLIFIER

The BR-20 features Bryston's most powerful onboard headphone amplifier ever offered, providing the high-output and critical low-output impedance to drive even inefficient headphone models. The new Low Z headphone amp utilized in the BR-20 delivers startling clarity and dynamic capability second only to Bryston's legendary BHA-1 outboard headphone amplifier.

BR-20 CONTROL

The BR-20 includes elegant front panel controls plus Bryston's user-friendly BR-4 hand-held remote. With so many inputs available on the BR-20, control options have been expanded beyond the front panel buttons. The BR-4 remote control can be configured by each user to command each source component, and a web-enabled phone or tablet can be used to adjust volume and change sources. Users can rename inputs and hide those not in use. For those who prefer a darkened listening space, the front panel LEDs and display can be dimmed or disabled. Smart home integrators will love the control over IP, RS232 and trigger input/output options.



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