

BRVSTON



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Bi-200 INTEGRATED AMPLIFIER

PERFORMANCE DEFINED — DYNAMIC/CLEAN /ACCURATE

The Bryston
B1-200 Amplifier is a
fully balanced design
from
input to output

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BRYSTON Bi-200 INTEGRATED



Bryston integrated amplifiers give no ground to their separate counterparts. The new Bi-200 is literally constructed from the Bryston BP-19 Preamplifier and 3B amplifier into a single chassis offering the best of both products without occupying extra space and costly interconnects.

High performance and transparency is always our goal, and an integrated amplifier doesn't have to compromise ability for convenience. Build your ultimate dream system with our separates or keep your stereo compact and discrete with our Bi-200 Integrated Amplifier.

BRYSTON Bi-200 ANALOG CIRCUITS

The Bi-200 analog integrated amplifier 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 distortion.

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. With the new balanced inputs and outputs we have been able to make significant improvements in performance in the Bi-200.

In the past, a fully balanced signal path was difficult to achieve because you would need a volume pot with 4 tapers.

With the availability of these new volume control chips, this is no longer an issue.

This new design allows for a lower noise floor than previous designs and is much better at common mode noise suppression.

For the music enthusiast, this level of circuit sophistication means more life-like performances, more detail and more dimensionality from the recordings you love.

EXCEEDING EXPECTATIONS

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Features:

2 pair balanced female XLR inputs

1 pair balanced male XLR outputs

(Can be Fixed or Variable)

1 pair single ended outputs

(Can be Fixed or Variable)

**4 pair RCA inputs (Input 1 Option
Phono Bi-200P & Bi-200MC)**

Options:

**Standard Silver or Black Faceplates
Available in 17 or 19 Inch**

Pro 19 Inch Rackmount

Colour Faceplates Available

Phono Bi-200P & Bi-200MC

**Moving Coil Transformer Phono
Module (20 or 26 dB)**

Bi-200 FEATURES

- Full Balanced Discrete Circuit Path
- Analog Volume ... Digitally Controlled
- Connect up to 6 analog sources
- Optional low distortion MM/MC Phono module
- Dual-mono amplifier produces 200 watts into 8 ohms
- 300 watts per channel into 4 ohms.
- Channel balance control
- Fully convection cooled means no noisy fans
- Independent buffered headphone output
- Machined aluminum enclosure and dress panel
- 2-way RS232 for automation systems
- Compatible with BR-4 remote control
- Soft-Start microprocessor won't trip circuit breakers
- DC trigger out
- Legendary Bryston 20 Year Warranty on Analog
- Ethernet/USB/RS232 status control



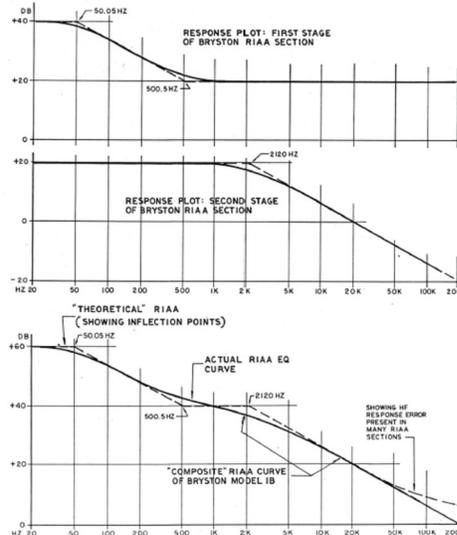
EXCEEDING EXPECTATIONS

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Bryston's
version of the
RIAA curve
is a one of a kind
and has been
proven
to be one of the
most
accurate available.

PHONO INFORMATION FOR Bi-200 MM/MC STAGES



Most Moving-Magnet phono stages expect to receive a signal between 3-6 mV at their input from the cartridge.

The Bryston Moving Magnet stage is a 41dB @1kHz gain preamp with a very unique RIAA playback equalization for moving magnet cartridges.

The RIAA Curve or equalization is a form of pre-emphasis on recording and de-emphasis on playback. A recording is made with the low frequencies reduced and the high frequencies boosted,

and on playback, the opposite occurs.

Bryston's version of the RIAA curve is a one of a kind and has been proven to be one of the most accurate available.



A step-up Moving-Coil transformer is designed to accept the lower voltage output from the MC cartridge and increase the voltage to a point which is acceptable to the input stage of the standard MM phono section.

The internal proprietary Bryston Moving-Coil step-up transformer in the Bi-200 preamplifier is available in two versions...with a 20dB or a 26dB gain option.

Your choice on which unit is most appropriate will be determined by the voltage output of your chosen cartridge.

From .1 to .2 mV we would recommend the 26dB version.

At .3 mV we would say either version would work fine.

From .4 to .5 mV or more we would recommend the 20dB version

An important point to consider when choosing which Step-up to use is you do not want to over-power or under-power the MM phono stage. Under-powering results in not having enough GAIN in the system and over-powering can result in voltage overload and the resultant distortion.

Moving Magnet: is a 41dB @1kHz gain preamp with RIAA playback equalization for moving magnet cartridges.

Moving-Coil Transformers: 20dB or 26dB inserted before the MM stage.

MAKING MUSIC MATTER



DEDICATED HEADPHONE AMPLIFIER

The Bi-200 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 Bi-200 delivers startling clarity and dynamic capability second only to Bryston's legendary BHA-1 outboard headphone amplifier.

BP-19 CONTROL



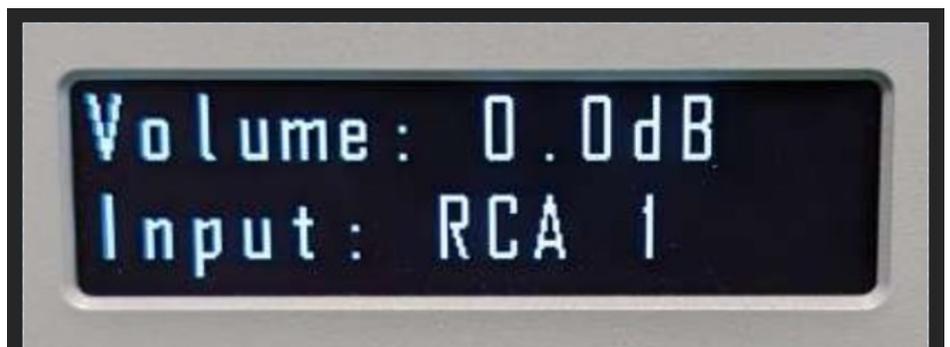
The Bi-200 includes elegant front panel controls plus a BR-4 hand-held remote.

With six inputs available on the Bi-200 remote, as well as Volume, Mute, and Power.

The LED's can also be GREEN or RED utilizing the display menu.

If you are using a Bryston digital player like the BDP-3 or the BDP-31.4 the remote can also control Previous and Next etc. on your music files.

The front panel LEDs and White display can be dimmed and the display is automatically disabled after a set time.





PERSONALIZED FACEPLATES

Bryston is pleased to introduce the availability of personalized faceplate colours, available now for Bryston amplifiers, preamplifiers, CD players, digital players, phono stages and DAC's.

Our new colour choices, plus the option to create custom colours, enable Bryston electronics to blend seamlessly or contrast elegantly within any décor or equipment rack.

Enjoy bespoke colour choices as an added touch to any entertainment space.

ADDITIONAL CUSTOM COLOURS AVAILABLE UPON REQUEST

Source buttons only available in Black or Silver

GUN METAL GREY



CHAMPAGNE



SILVER



WHITE



BLACK





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BRYSTON Bi-200 FACEPLATE OPTIONS



**SILVER
WITH
GROOVES**



**BLACK
WITH
GROOVES**



CHAMPAGNE

**CUSTOM:
ANY
COLOUR
WITH
OR
WITHOUT
GROOVES**

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**EXCEEDING
EXPECTATIONS**

Bi- 200 SPECIFICATIONS

BRYSTON	PREAMPLIFIER	SECTION
Frequency Response	20Hz – 20kHz	+/- 0.05dB
SIGNAL TO NOISE	BALANCED OUT SINGLE ENDED OUT	-110dBr -110dBr
BRYSTON	INTEGRATED	AMPLIFIER
Signal To Noise	Weighted Filter: 22Hz-22kHz, decibels below rated output	<-108dBr
THD + NOISE	20Hz-20kHz	Rated Power, 8Ω <0.005%
Power Per Channel	200W @ 8Ω	300W @ 4Ω
Sensitivity	8Ω	2.00V/100W
IMD	≤0.005%	Typically ≤0.002%
THD+N	20Hz-20kHz @ 200W, 8Ω:	≤0.005%
Slew Rate		>60V / μS
Frequency Response	0±0.1dB	20Hz - 20kHz

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EXCEEDING
EXPECTATIONS

Bi- 200 SPECIFICATIONS

BRYSTON	INTEGRATED	AMPLIFIER
Weight	37 lbs	16.8 Kg
Packaged Weight:	45 Lbs.	20.4 Kg
Power Consumption (Watts)	Standby: <0.5 Idle: ≤60	200W 8Ω: 700
Heat Load (BTU/Hour)	Idle: 205	2 Ch. 200W 8Ω: 2388
Damping Factor	20Hz, 8Ω	>500