

BRAYSTON



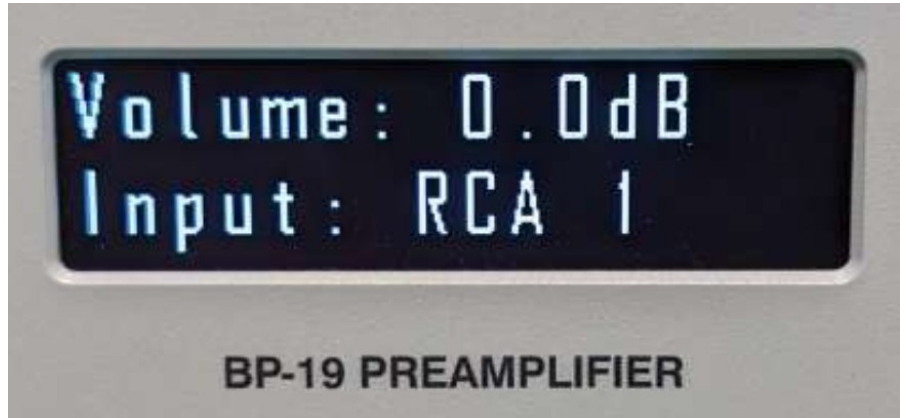
BRAYSTON



BP-19 ANALOG PREAMPLIFIER

PERFORMANCE DEFINED — DYNAMIC/CLEAN /ACCURATE

BRYSTON BP-19 PREAMPLIFIER



BRYSTON BP-19 ANALOG CIRCUITS

The BP-19'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. With the new balanced inputs and outputs we have been able to make significant improvements in performance in the BP-19.

The Major contributor is the fact that we can keep a fully balanced signal path throughout the signal path in the BP-19. In the past, a fully balanced signal path was difficult to achieve because you would need a volume pot with 4 tapers. With the volume control chips, this is no longer an issue. The new design does have a lower noise floor than previous design but it's much better at suppressing common mode.



For the music enthusiast, this level of circuit sophistication means more life-like performances, more detail and more dimensionality from the recordings you love. With support for up to 6 sources and a wide variety of inputs, users will certainly find the connectivity options they require for any system configuration.

The Bryston
BP-19 preamplifier is a
fully balanced design
from
input to output

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PHONO EQUALIZATION MODULES (OPTIONAL):

Bryston's optional phono equalizer circuitry features highly accurate equalization, extremely low noise and distortion and provides head-room margins sufficient to prevent overload from any known phono source. If your turntable provides a separate ground lead system noise may be minimized by connecting it to the ground post adjacent to the phono inputs on the rear panel.

Moving Magnet Phono Cartridge Input (MM)

This is Bryston's standard RIAA phono equalization stage. It is found in both the "P" and "-MC" versions of the BP-19 preamp. Input impedance is 47K ohms and sensitivity is 5mV.

Moving Coil Phono Cartridge Input (MC)



Moving coil phono cartridges require much more gain than the more common moving magnet types. To accommodate moving coil cartridges Bryston offers the BP-19MC pre-amp which include specially designed, custom-made step-up transformers in addition to Bryston's standard RIAA phono equalization stage found in the "P" versions of the BP-19 pre-amp.

Which phono equalization stages are engaged is determined by the front panel display menu "MC Phono / MM Phono". Please note that it is important that your phono cartridge is connected to the correct inputs (INPUT 1) in order to achieve proper performance. Input impedance is 180 ohms and sensitivity is 350uV

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

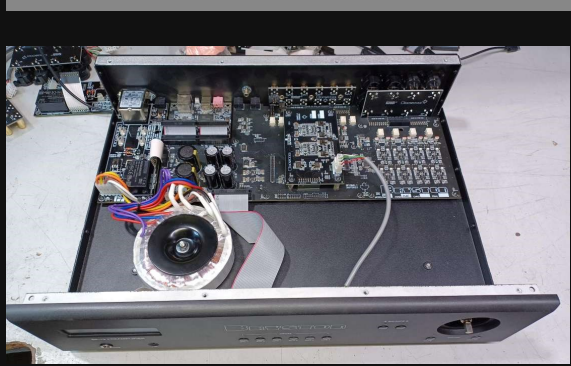
The Bryston TF-3 Moving-Coil step-up transformer is available in two versions...with a 20dB or a 26dB gain option. Your choice on which unit is most appropriate will be determined by the voltage output of your chosen cartridge.

- 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

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.



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EXCEEDING EXPECTATIONS

BRYSTON



Features:

- 2 pair balanced female XLR inputs
- 2 pair balanced male XLR outputs
(1 Fixed - 1 Variable)
- 2 pair single ended outputs
(1 Fixed - 1 Variable)
- 4 pair RCA inputs (Input 1 Option
Phono BP-19P & BP-19MC only)

Options:

- Standard Silver or Black Faceplates
Available in 17 or 19 Inch
- Pro 19 Inch Rackmount
- Custom Color Faceplates Available
- Moving magnet RIAA phono equalization module
- Moving Coil Transformer phono module 20/30 dB



**A Simple Concept
A Superb Experience**



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MAKING MUSIC MATTER



BP-19 Phono Options

A premium quality

Moving Magnet (MM)

or

Moving Coil (MC) phono stage

can be added.

DEDICATED HEADPHONE AMPLIFIER

The BP-19 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 BP-19 delivers startling clarity and dynamic capability second only to Bryston's legendary BHA-1 outboard headphone amplifier.

BP-19 CONTROL



The BP-19 includes elegant front panel controls plus a BR-4 hand-held remote. With six inputs available on the BP-19 remote, as well as Volume, Mute, and Power.

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

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.

FREQUENCY RESPONSE	20HZ – 20KHZ	+/- 0.05DB
SIGNAL TO NOISE	BALANCED OUT SINGLE ENDED OUT	-110dBr -110dBr
IMD	LESS THAN	0.0003%
THD + NOISE	20Hz-20kHz	0.0006%
WEIGHT	KG / LBS	5.5 / 12
DIMENSIONS	INCHES Cm	17 OR 19W X 4.6H X 13D 43 OR 48.3W X 11.6H X 33D
POWER CONSUMPTION @120V/60Hz	STANDBY IDLE PLAYING	0.5W 12W 12W

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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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