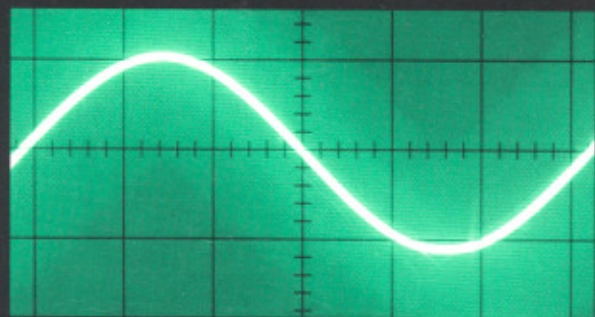


BALANCING ART AND SCIENCE FOR MUSICAL INTEGRITY



BRAYSTON



T HE BRYSTON TRADITION — ACCURACY, INTEGRITY
& RELIABILITY



Brian W. Russell, President

"Bryston's ongoing research into the art and science of electronic amplification has yielded many original design solutions, reflecting a comprehensive understanding of how we hear music."

Bryston manufactures sophisticated audio products that create the three dimensional illusion of live musical performance. This sound derives from more than 25 years of producing highly refined electronics.

Bryston carefully engineers and builds each product to reproduce the original signal with complete accuracy, essentially free of noise or

distortion. Our sound equipment fills your home with convincing musical images.

ADVANCED DESIGN AND SUPERB
MANUFACTURING QUALITY COMBINE
FOR TOTAL PRODUCT INTEGRITY

Bryston will not cut corners in quality to save manufacturing costs. Every design element reflects our ongoing commitment to produce the finest sound equipment you can acquire.



THE BRYSTON SOUND — CONVINCING MUSICAL
ACCURACY

There is no better/best in Bryston product lines. All preamplifiers are identical in quality and performance. All amplifiers feature the same advanced design, no matter which power output you select. You never compromise sonic quality in a Bryston purchase.

A TREMENDOUS AMOUNT OF TIME
AND ENERGY GO INTO ENSURING
BRYSTON RELIABILITY

Bryston products are made for long-term performance, a fact clearly demonstrated by our popularity in the professional recording and broadcast industries. Critical electronic components are bench tested before assembly. Quality control is checked at every production stage.

Each assembled amplifier and preamplifier is "burned in" for 100 hours under high-stress loads to test for component longevity, vibration resistance and electrical connection integrity. And every Bryston product is backed by a comprehensive five-year warranty.

Over the years, many people have come to think of Bryston as the "final purchase." There really isn't anywhere else you can go to surpass Bryston performance and reliability, no matter how much more you're willing to spend.



THE PREAMPLIFIER FOR THE PURE AND SIMPLE
SOUND SYSTEM — THE BRYSTON .5B



Bryston .5B preamplifier

Bryston preamplifiers combine outstanding function with complete musical accuracy. Whether you select the Model .5B, 11B or 12B, each provides an exact duplication of the original recording experience, without distortion or coloration.

Models 11B and 12B are equipped for the true audio enthusiast, with flexibility and expansion potential for the most complex sound system.

BRYSTON INTEGRITY —
PERFORMANCE THAT LASTS

Both models feature dual tape deck inputs with full dubbing facilities in either direction, as well as CD, tuner and auxiliary sources. Model 12B has a second input for Bryston's superb moving coil step-up stage. All sources are available at any time from the tape outputs, regardless of

what is being fed to the amplifier, so you can hear one source while recording another.

Controls are practical and convenient: source switching, low filter for record warps, tape monitoring, mute, balance and volume. For private listening, there is a headphone jack with automatic speaker disconnect. A special line-level output connects to other amplifiers for independent volume control at remote locations.

The Bryston Model .5B preamplifier offers the same sonic performance and reliability as the 11B and 12B, but is designed for the simpler sound system. Inputs are available for phono, tape, CD and auxiliary sources.

All Bryston preamplifiers share sophisticated features designed for unparalleled performance.

.5B SPECIFICATIONS

Frequency Response	20 - 20kHz ±5dB
Maximum output	15V
IM or THD	0.005%
High Level Sensitivity	50mV
Tape + Processor Loops	1
Rated noise	
Phono	80dBA referred to an input of 5mV RMS @ 1KHz
High Level	95dBA referred to an input level of 500mV @ 1KHz
Features	4 inputs including 1 phono
Dimensions	19 x 1.75 x 8 inches, 48.25 x 4.44 x 20.32cm, wt: 7 lbs, 3.2 kg

Note: 4B — same as .5B with phono input replaced with fourth high-level input.

THE BRYSTON 12B AND 11B — THE PREAMPS WHICH
CONTINUE THE AUDIOPHILE TRADITION FOR
MORE EXPANSIVE SOUND SYSTEMS



Bryston 12B/11B preamplifier

Signal distortion is held to levels that are nearly immeasurable — an astounding 0.005% from 20Hz to 20KHz. Noise-to-signal ratios are lower than you have ever experienced in another preamplifier.

Bryston's unique phono section is divided into two stages to separate high and low frequencies and maintain extremely accurate equalization.

ELABORATE AND FLEXIBLE
CENTRES FOR THE MOST COMPLETE
SOUND SYSTEMS

This approach allows very high signal input and produces far less noise and distortion levels than those associated with single stage designs. The CD input is protected by the volume control for additional overload margins. Bryston preamps

simply cannot be overloaded by any signal found on commercial recordings.

No internal wiring is designed into Bryston's preamp circuitry. Components plug directly into boards, eliminating variations in signal travel and wire interaction. Volume controls are laser trimmed to within 1/4 dB accuracy for a firm image balance between the left and right channels. Low output impedance and high current availability allow you to run long cables between the preamp and power amp without any loss of frequency response, so you can position your amp as close to your speakers as possible.

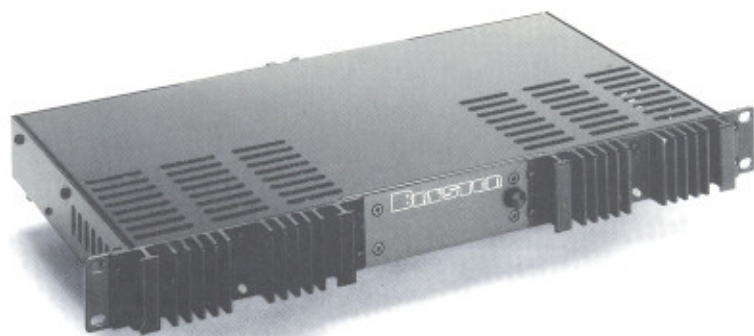
The Bryston line of high-quality preamplifiers provides low-noise, low-distortion signal control for the world's finest sound systems.

12B AND 11B SPECIFICATIONS

Frequency Response	20-20kHz -5mB
Maximum output	15V
IM or THD	0.005%
High Level Sensitivity	50mV
Tape + Processor Loops	2
Rated Noise	
Phono	-80dBA referred to an input of 5mV @ 1kHz
High Level	-95dBA referred to an input of 500mV @ 1kHz
Features	1. 5 high level inputs 2. headphone jack 3. remote out 4. moving coil input (12B only)
Dimensions	19 x 1.75 x 8 inches, 48.25 x 4.44 x 20.32 cm, wt: 10 lbs., 4.5 kg - 12B wt: 9 lbs., 4.1 kg - 11B

12B MC TRANSFORMER SECTION

Distortion	Less than .005% 20-20kHz with preamplifier driven to full rated output.
Noise	Equivalent to approximately 1000 ohm metal film resistor (Thermal noise greater than 85 dB below 0.6mV input, unweighted)
Gain	16.5 or 22.5 dB (internally restrappable)
Frequency Response	Below 5Hz to above 30kHz, within less than -0.5 dB



Bryston 2B-LP power amplifier

Bryston amplifiers produce a sound image so real, it feels as though you can reach out and touch the musical instruments. The harmonic structure, image, tonal balance, depth, clarity and dynamic range of each instrument are faithfully reproduced. The clean, unblemished Bryston sound is achieved, in large part, through superb open-loop linearity.

SOUND EXCELLENCE IS AN
INTEGRAL PART OF THE BRYSTON
REPUTATION FOR RELIABILITY

Other manufacturers rely upon a closed feedback loop to correct distortion and establish acceptable specifications. The engineers at Bryston have

focused on creating an almost linear or distortion-free signal across all amplification levels.

When measured with the loop opened, the signal is nearly perfect; only minor amounts of feedback are required to remove the remaining distortion.

2B-LP SPECIFICATIONS

Watts	50 watts per channel, 8 ohms 100 watts per channel, 4 ohms 200 watts, bridged, 8 ohms
Distortion	
Harmonic	Less than 0.01% from 20Hz to 20kHz at 50 watts
IM	Less than 0.01% from 10 milliwatts to 50 watts
Noise	100 dB below full output
Crosstalk	Below noise 20Hz to 20kHz at 50 watts
Slewing rate	Greater than 60 volts per microsecond
Power bandwidth	.5Hz to over 100kHz
Damping factor	Over 500 at 20Hz, ref. 8 ohms
Input sensitivity and impedance	0.75 volt in for full output 50K
Features	<ol style="list-style-type: none"> 1. Bridging switch 2. Over 1600 cm² of heat-sinking; over 3200 cm² with chassis 3. Regulated power supplies to all voltage gain stages 4. Each channel separated back to the linecord 5. Dual-colour LED pilot lights for each channel, indicating green at normal levels, flashing red at clipping 6. Will deliver full output to any phase angle at 4 ohms or higher 7. Gold-plated RCA jacks 8. Warranty: 5 years parts, labour, shipping one way
Dimensions	19 x 1.75 x 10 inches, 48.25 x 4.44 x 25.4 cm, wt: 18 lbs, wt: 8 kg

THE POWER AMPS THAT TURNED THE PROS
INTO AUDIOPHILES



Bryston 3B power amplifier

A number of significant design factors contribute to Bryston's amplifier linearity. Two independent power supplies eliminate interaction between left and right channels for clear separation. In fact, each channel's circuitry is duplicated throughout the amplifier and joined only at the 120 volt power cord.

Bryston amplifiers have exceptionally high slew rates to pass the musical signal quickly and accurately. Extremely low crossover distortion is achieved by using perfectly symmetrical compo-

nents. Internal wiring is carefully placed for the lowest levels of crosstalk noise and distortion.

BRYSTON AMPLIFIERS ENSURE
THE CLARITY AND FREEDOM
FROM DISTORTION OF ALL
MUSICAL SIGNALS

All circuitry is fully complementary for a clean, distortion-free signal. High current output provides outstanding control and better resolution across the range of impedance loads found in today's speakers.

3B SPECIFICATIONS

Watts	100 watts per channel, 8 ohms 200 watts per channel, 4 ohms 400 watts, bridged, 8 ohms
Distortion	
Harmonic	Less than 0.01% from 20Hz to 20kHz at 100 watts
IM	Less than 0.01% from 10Hz milli-watts to 100 watts
Noise	100dB below full output
Crosstalk	Below noise 20Hz to 20kHz at 100 watts
Slewing Rate	Greater than 60 volts per microsecond
Power bandwidth	.5 Hz to over 100kHz
Damping factor	Over 500 at 20Hz, ref. 8 ohms
Input sensitivity and impedance	1 volt in for full output, 50k
Features	<ol style="list-style-type: none"> 1. Bridging switch 2. Over 3200 cm² of heat-sinking; over 6400 cm² with chassis 3. Regulated power supplies to all voltage gain stages 4. Each channel separated back to the linecord 5. Dual-colour LED pilot lights for each channel, indicating green at normal levels, flashing red at clipping 6. Will deliver full output to any phase angle at 4 ohms or higher 7. Gold-plated RCA jacks 8. Warranty: 5 years parts, labour, shipping one way
Dimensions	19 x 5.25 x 9 inches, 48.25 x 13.33 x 22.85 cm, wt: 35lbs, 16 kg



Bryston 4B power amplifier

As in all Bryston products, only the highest quality internal components are employed in making our amplifiers. For example, the metal film resistors we use are less reactive to temperature change, producing better signal stability. Polystyrene capacitors provide the lowest amount of leakage and distortion. Transistors are hand selected and matched for signal accuracy. Every connector is heavily gold plated for a lifetime of freedom from corrosion, noise and distortion.

Tolerances normally accepted for mass production are totally eliminated. Internal electronic components are made exclusively for Bryston to meet our exacting requirements.

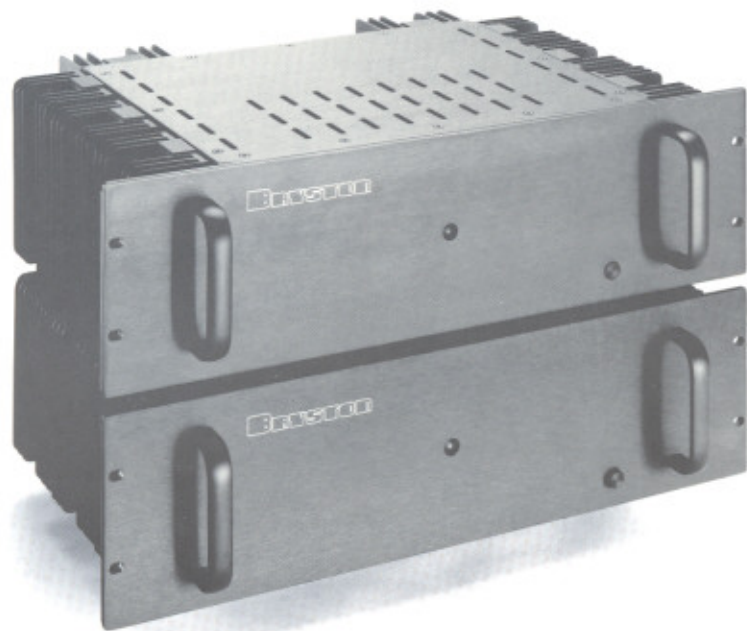
BRYSTON AMPLIFIERS ARE HAND
ASSEMBLED WITH PRECISION

Our equipment is deliberately overbuilt with a huge margin of reliability and ruggedness, even for the most demanding applications.

4B SPECIFICATIONS

Watts	250 watts per channel, 8 ohms 400 watts per channel, 4 ohms 800 watts, bridged, 8 ohms
Distortion	
Harmonic	Less than 0.01% from 20Hz to 20kHz at 250 watts.
IM	Less than 0.01% from 10 milliwatts to 250 watts.
Noise	100dB below full output.
Crosstalk	Below noise 20Hz to 20kHz at 250 watts.
Slewing rate	Greater than 60 volts per microsecond.
Power bandwidth	.5Hz to over 100kHz.
Damping factor	Over 500 at 20Hz, ref. 8 ohms
Input Sensitivity and Impedance	1.25 V in for full output, 50k
Features	<ol style="list-style-type: none"> 1. Bridging switch 2. Over 6400 cm² of heat-sinking; over 9600 cm² with chassis 3. Regulated power supplies to all voltage gain stages. 4. Each channel separated back to the linecord 5. Dual-colour LED pilot lights for each channel, indicating green at normal levels, flashing red at clipping 6. Will deliver full output to any phase angle at 4 ohms or higher 7. Gold plated RCA jacks 8. Warranty: 5 years parts, labour, shipping one way
Dimensions	19 x 5.25 x 13.5 inches, 48.25 x 13.33 x 34.3 cm, wt: 50 lbs., 23 kg

SUPERIORITY IN MUSICALITY & REPUTATION
FOR RELIABILITY — BRYSTON PRODUCTS
HAVE IT BOTH WAYS



Bryston 6B monaural power amplifiers

You can choose from three Bryston stereo amplifiers:

- Model 2B, 50 watts per channel @ 8 ohms
- Model 3B, 100 watts per channel @ 8 ohms
- Model 4B, 250 watts per channel @ 8 ohms

We also make the Model 6B mono amp, which produces from 500 watts @ 8 ohms to 800 watts @ 4 ohms. All models are bridgeable so that you

can add power to your system by matching your Bryston amp with another of equal size.

COMPLETE MUSICAL ACCURACY,
FROM 50 WATTS PER CHANNEL
TO 800 WATTS

Bryston amplifiers define the art of driving loudspeakers. Every component, every design element works together to recreate the live musical event.

6B SPECIFICATIONS

Watts	500 watts mono, 2 or 8 ohms 800 watts mono, 1 or 4 ohms
Distortion	
Harmonic	Less than 0.02% from 20Hz to 20kHz at 500 watts
IM	Less than 0.02% from 10 milliwatts to 500 watts
Noise	100dB below full output
Crosstalk	Below noise 20Hz to 20kHz at 500 watts
Slewing rate	Greater than 60 volts per microsecond
Power	
Bandwidth	.5Hz to over 100kHz
Damping factor	Over 500 at 20Hz, ref. 8 ohms
Input sensitivity and impedance	1.0 volts in for full output, 50k
Features	<ol style="list-style-type: none"> 1. Series/Parallel switch 2. Over 6400 cm² of heat-sinking; over 9600 cm² with chassis per channel 3. Regulated power supplies to all voltage gain stages 4. Dual-colour LED pilot (for each channel)
Dimensions	19 x 5.25 x 13.5 inches, 48.25 x 13.33 x 34.3 cm, wt: 50 lbs., 23 kg

FLEXIBLE CROSSOVER WITH SUPERIOR ACCURACY
AND SOUND QUALITY



Bryston 10B electronic crossover

The electronic crossover is one of the most important parts of a truly great sound system. It controls the relative levels, rolloffs and matching phase relationships of all the drivers in your loudspeakers.

Bryston's Model 10B electronic crossover provides a combination of clean, quiet sound quality and a truly remarkable degree of flexibility and control. You can select instantly from a nearly infinite range of crossover settings. Filter settings, including rolloff frequency and slope, are independently adjustable in the low-pass, midrange and high-pass sections. All switches use heavily gold-plated contacts for long life.

The internal circuitry is built to Bryston's exacting standards of quality. All amplification, buffer and filter stages are discrete for lower noise and distortion, higher overhead limits and better stability than are attainable with integrated circuits. Modular construction is employed for a variety of configurations and the 10B is available either fully balanced (in and out) or unbalanced.

Outstanding flexibility along with superior accuracy and sound quality combine to make Bryston's Model 10B electronic crossover the finest choice for any multi-directional system.

10B SPECIFICATIONS

Frequencies	70Hz - 4.5kHz
Slope	6/12/18 dB per Octave
S/N Ratio	-90dB
Distortion	0.005%
Normal Input level	1volt
Input Impedance	20k ohms
Output Impedance	100 ohms
Features	<ol style="list-style-type: none">1. Stereo 2-way monaural 2-way monaural 3-way2. Balanced or unbalanced3. Independent high and low pass frequency selection4. +5dB of gain on high pass section
Dimensions	19 x 1.75 x 10 inches, 48.25 x 4.44 x 25.4 cm, wt: 12 lbs, 5.5 kg

ACCESSORIES THAT MAINTAIN CLARITY,
ACCURACY AND PERFORMANCE



Bryston 2, 3, 4 and 6-way speaker switchboxes

Bryston cables maintain the performance built into your Bryston system

Bryston's TF-1 transformer - the flawless moving coil interface

TF-1 TRANSFORMER

Dedicated audio enthusiasts know that moving coil cartridges offer several sonic advantages in turntable performance over moving magnet cartridges. The Bryston TF-1 transformer increases the voltage from a moving coil cartridge while preserving low signal-to-noise ratios and distortion levels.

The TF-1 is identical to the internal moving-coil stage in the Bryston Model 12B preamplifier, and is an ideal match to the Bryston .5B or any preamp that requires a flawless moving-coil interface.

SPEAKER SWITCHBOXES

Bryston's line of speaker switchboxes uses rugged switch assemblies that stand up to the high-current capabilities of Bryston amplifiers. High-pressure contacts maintain low contact resistance, and heavily gold-plated input and output connectors assure a distortion-free interface between amplifier and loudspeaker.

Separate grounds between channels facilitate amplifier bridging.

Three models are offered: two speakers plus headphone; three speakers plus headphone and a four-speaker model. Rely on Bryston speaker switchboxes to maintain the clarity and musical accuracy of your sound system.

CABLE CONNECTORS

Bryston cables are manufactured with the same care and expertise you'll find in all our products. Our engineers looked at the major factors that can affect a cable's ability to maintain waveform accuracy: contact linearity, cable resistance, capacitance and inductance.

Design solutions such as heavily gold-plated connectors and a foamed polymer construction have resulted in a cable that can carry a signal over a quarter mile without changes to bandwidth or distortion specifications. Bryston cables help ensure the performance you expect from your Bryston sound system.

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