

THE BARCUS-BERRY COMPANY®

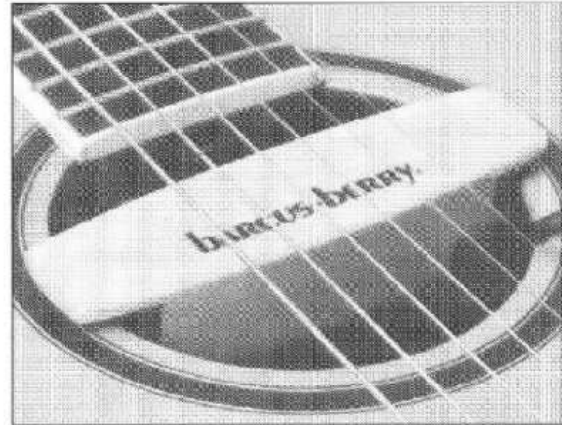
Magnetic Coil Pickup

for acoustic guitars

MAPLEBAR

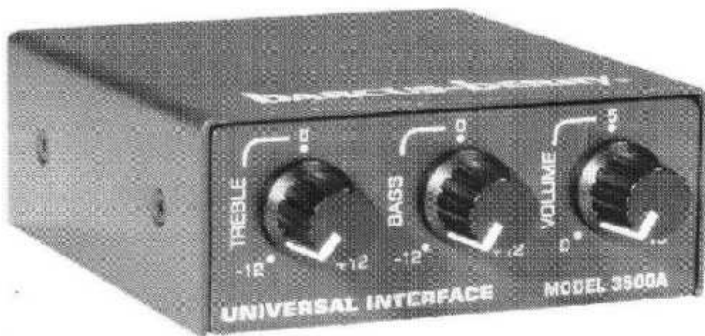
Try a Maplebar and your ears will tell you this isn't an ordinary soundhole pickup. The Maplebar single-coil pickup drops neatly into the soundhole of your favorite acoustic guitar to faithfully reproduce its clear, warm tone. Add a preamp and you can overdrive for a biting electrified sound. Constructed within an American Hard Rock Maple housing, the Maplebar slides quickly into the soundhole without tools or modification to the instrument. Foam rubber covered slots hold it in place without damage to the guitar, and a 12' cable with 1/4" plug connects it to your favorite sound source.

For steel-string flat top acoustic guitars with a round soundhole.



Preamps

for piezo crystal transducers and magnetic coil pickups



Universal Interface -3500A

The 3500A is an impedance matching interface that will accept any piezo crystal or magnetic coil pickup, boosting even the weakest signals to a usable level. Internal gain control can provide a total of 12dB of additional system gain. The unit features external volume, treble, and bass frequency controls to allow a wide range of adjustment. The 3500A uses 1/4" jacks for input and output connections. Frequency response - 5Hz - 30kHz (+/- 1 dB). Signal to noise ratio is 100dB (EQ flat). Total harmonic distortion 0.005% (@20hz - 20khz).



Piezo Buffer Preamp - 3000A

The Model 3000A is specifically designed to work with all Barcus-Berry piezo crystal systems. Generally the same unit as the 3500A, the 3000A uses an unbalanced RCA input jack. External controls are fingertip or screwdriver adjustable to prevent your favorite settings from being disturbed.

The Barcus-Berry electret condenser microphone systems for wind instruments take advantage of the acoustic sound reproduction technologies developed through years of industry leadership. The electret microphones deliver a clean, distortion free reproduction of the original sound in concert or studio. They are virtually immune to feedback, totally moisture proof and have excellent dynamic range.

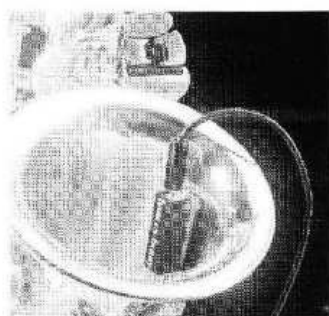
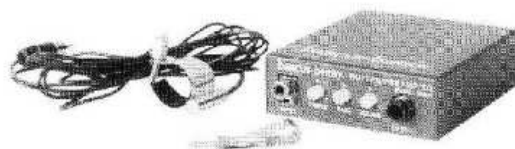
Electret Microphone Flute System - 6100

The 6100 captures the full musical range of the flute, picking up even the softest whispers. The interface module installs internally by replacing the original head-joint cork with Barcus-Berry's head-joint cork containing the interface module. Includes the 3000AE preamp with belt clip.



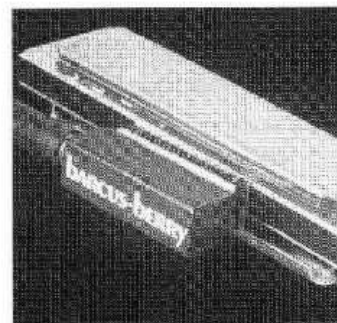
C-Flute System - 5100

The externally installed 5100 offers superb acoustic sound reproduction for flute. The electret microphone clamps to the headjoint of the flute, poised to pick up the sound. Includes the 3000AE preamp with belt clip.



Brass/Woodwind System - 5200

The 5200 picks up the whole range of tones produced by both brass and woodwind instruments. The electret microphone mounts inside of the bell with adhesive that will not mar the surface. Includes 3000AE preamp with belt clip.



Harmonica System - 5600

The 5600 allows you to concentrate playing the harmonica live or in the studio without struggling with a microphone. The electret microphone easily attaches to the comb of the harmonica and virtually eliminates annoying feedback associated with miked harmonicas. Includes 3000AE preamp with belt clip.

Buffer Preamp EQ with Phantom Power - 3000AE

The 3000AE Buffer Preamp/EQ is included with all the above systems. Specially designed to work only with electret microphones, the phantom powered 3000AE boosts even the weakest signals to a usable level. The unit features external volume, treble, and bass frequency controls to allow a wide range of adjustment. The controls are fingertip or screwdriver adjustable to prevent your favorite setting from being disturbed. Includes a belt clip for unrestricted movement.



THE **BARCUS-BERRY** COMPANY[®] Planar Wave System

for acoustic pianos and concert harps

Quotes

"The sound was superior to sticking a regular microphone under the piano lid."

- Pro Audio Review

"... the difference was like night and day. Suddenly you could hear every note on the piano. Bass runs were distinct, and you could actually perceive the color of the pianist's voicings."

- Keyboard Magazine

Seen On Tour and In the Studio

Check our website www.barcusberry.com for the latest list of Planar Wave System users.

SPECIFICATIONS



THE SENSOR

- Output Interface = 1/4" Unbalanced
- Output Impedance = 1 Meg Ohms
- Nominal Output Level = 0.7 vrms
- Frequency Response = 5Hz - 50kHz (+/- 1db)

THE PIEZO BUFFER/PREAMP

- Input Interface = 1/4" Unbalanced
- Input Impedance = 2.2 Meg Ohms
- Maximum Input Level - 2.0 vrms

Monitor Output

- Output Interface = 1/4" Unbalanced
- Output Impedance = 2K Ohms
- THD = .005% (20Hz - 20kHz)
- Noise = 102dBu
- S/N = 110dBu
- Frequency Response = 5Hz - 30kHz (+/- 1dB)

Main Output (0dB Setting)

- Output Interface = XLR Balanced (Pin #2 is Hot)
- Output Impedance = 1K Ohms
- THD = .005% (2-Hz - 20kHz)
- Noise = -105dB
- S/N = 108dB
- Frequency Response = 5Hz - 30kHz (+/- 1dB)

Power Supply

- 9 Volts @ 380 Microamps
- Battery Life = Approximately 1,000 hours
- Optional 48 V Phantom Power (Ground lift must be off)

Dimensions

- 1 1/8"(H) x 4 1/4"(W) x 4 1/4"(D)

Shipping Weight

- 2.0 lbs. (1.1 kgs.)

THE **BARCUS-BERRY** COMPANY[®]

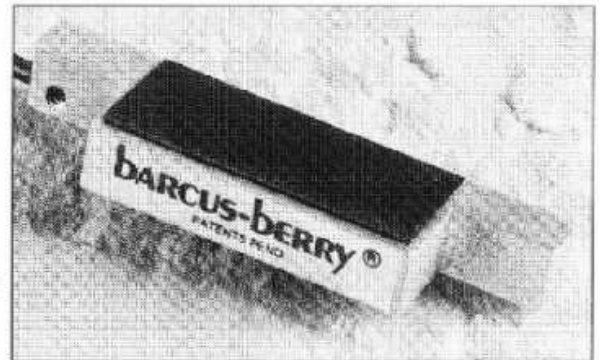
Planar Wave System

for acoustic pianos and concert harps

Challenged by feedback problems, achieving tonal and volume balance, and isolating the instrument from unwanted ambient sounds, the task of miking and amplifying the acoustic piano has always been time consuming and expensive. That is, until Barcus-Berry introduced the Planar Wave System.

The Sensor

The Barcus-Berry Planar Wave System has not only solved the most common problems with capturing the sound of an acoustic piano for live performance and recording, it also introduced a whole new era in transducers. The technology used in the system's unique sensor is essentially non-responsive to the normal major surface plane vibrations of the soundboard. Instead, it is highly sensitive to transverse energy waves traveling in the plane defined by the soundboard. The result is the reproduction of the instrument's full frequency range with perfect amplitude balance, superior feedback rejection, and complete isolation from ambient sounds - including keyboard and pedal noise.



A single Planar Wave Piano System (Model 4000) does the job that would otherwise take several microphones and a multi-channel mixer to achieve. Best yet, it attaches easily to either side of the soundboard without holes to drill or tools required. The Planar Wave Harp System (Model 4020) is equally simple to install and offers the same balance and clarity expected from all Barcus-Berry products.



Active DI Box

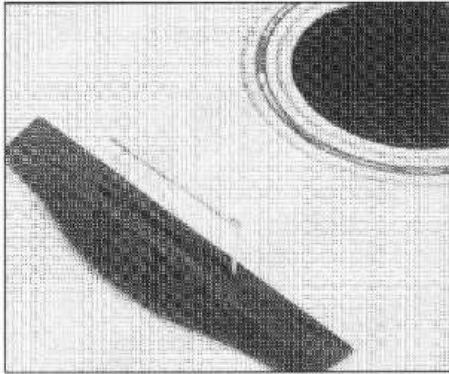
The Planar Wave System features an Active Direct Injection (DI) box designed and patented exclusively for the piano and harp transducers. Featuring a 10dB pad, ground loop lift, and both balanced XLR and unbalanced 1/4" outputs, the

DI Box also has a separate monitor output that does not effect

the signal sent to the mixer. To assure reliable performance, the unit employs

Barcus-Berry's Bi-Mode power system, which automatically scans for phantom power - switching seamlessly to the internal 9-volt battery if the power source is not present or is interrupted for any reason.

for acoustic guitars, mandolins, ukuleles, dulcimers, and other acoustic instruments



Under Saddle Piezo Transducer - 1460

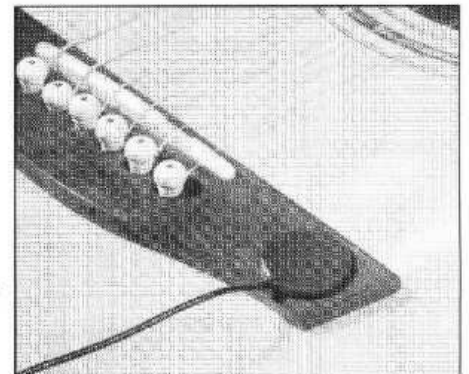
The Barcus-Berry Under Saddle transducer for acoustic guitar captures the natural qualities of the instrument with perfect clarity and accuracy. Featuring the exclusive Anti-Feedback™ design and patented balanced-phase construction, Barcus-Berry's latest innovations include 6 individual piezo crystals - the largest available in any under saddle pickup - seated in a unique machined brass rail. This design provides a rigid surface for perfect contact between the saddle and the pickup assuring the most even string response possible. The large volume of crystal makes using a preamp an option, not a necessity. Comes complete with the Fas-Jac™ strap button - 1/4" output jack.

For acoustic six-string, twelve-string, and classical guitars.

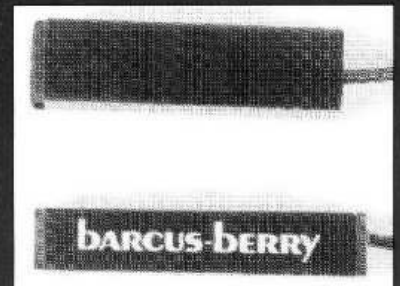
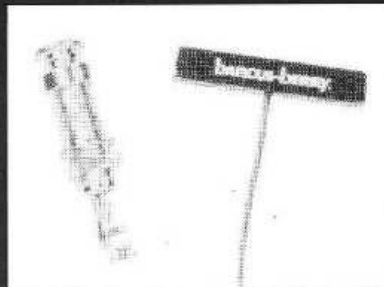
Soundboard Transducer - DISQ-IS, DISQ-OS

The latest generation of soundboard transducers, the DISQ-IS (internal mount) and DISQ-OS (external mount) owe their design to nearly four decades of research and refinement. The DISQ-IS comes with the Fas-Jac™ strap button - 1/4" jack, while the DISQ-OS comes with an external mount output jack that allows easy installation without modification to your prized acoustic instrument. Both models are easy to install and provide high sound output without feedback.

For steel-stringed and classical guitars, mandolins, dulcimers, and other acoustic instruments with soundboards.



Professional Soundboard Transducer - The Insider™ - 1455 The Outsider™ - 1457



For completely professional applications, it is impossible to find a piezo transducer that offers the broad spectrum of sound and the dynamic range of The Insider™ and The Outsider™ pickups from Barcus-Berry. Fully shielded to eliminate hum, these Barcus-Berry transducers offer high output with excellent feedback protection to retain the sound of the instrument without added color or tone. The result is a natural, transparent, and lively reproduction of the instrument's tone that's perfect for recording, broadcasting, or live performances. The Insider™ includes the exclusive Fas-Jac™ strap button - output jack. The Outsider™ comes with an external mount output jack that requires no tools or alterations to the instrument for installation.

For any acoustic guitar, mandolins, dulcimers, and other acoustic instruments with soundboards.

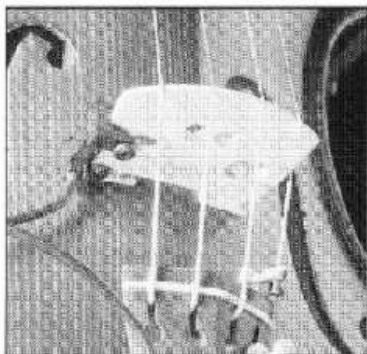
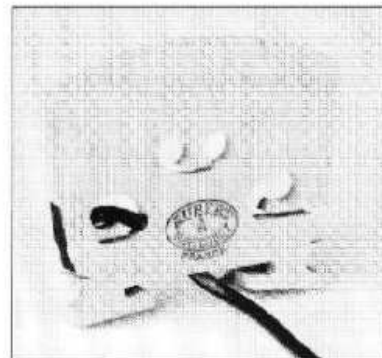
THE BARCUS-BERRY COMPANY[®] Piezo Transducers

for violin, viola, cello, and upright bass

In 1963, violinist John Berry and electronics visionary Les Barcus conducted pioneering experiments that gave birth to the first piezo crystal transducer. Four decades later, Barcus-Berry continues to lead the industry with their latest generation of piezo transducers for violins, violas, cellos, and upright basses. The piezo transducers are easy to install and provide high sound output without feedback.

Violin Transducer Bridge - 1320

Factory installed piezo transducer on a select-quality replacement bridge. The bridge is fitted in the traditional manner and provides superb acoustic performance while the piezo transducer accurately reproduces the sound. Includes an externally mounted 1/4" female Carpenter jack.



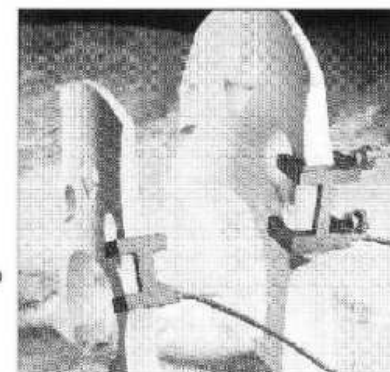
Violin/Viola Piezo Transducer - 3100

The 3100 has a wide band of frequency response, excellent string balance, feedback rejection and outstanding signal isolation. It attaches quickly and easily to the bridge with nylon thumb screws – *no holes to drill or tools required*. Includes an externally mounted 1/4" female Carpenter jack.

Model 3110 includes 3000A preamp system with 3100 piezo bridge pickup. Both are perfect for violas.

Cello Piezo Transducer - 3125

The 3125 pickup can easily be attached to any standard-type of bridge with nylon thumb screws and no holes to drill or tools required. It offers feedback rejection and outstanding signal isolation. The 3125 is supplied with 3000A buffer preamp.



Bass Piezo Transducer - 3150

The 3150 system picks up the full musical range of upright basses from delicate tones to deep lows. It attaches quickly and easily to the bridge with nylon thumb screws and no holes to drill or tools required. The 3150 is supplied with the 3000A buffer preamp.



Buffer Preamp EQ with Phantom Power - 3000A

The Model 3000A is specifically designed to work with all Barcus-Berry piezo crystal systems. The phantom powered 3000A features external bass, treble and volume frequency controls to allow a wide range of adjustment. Includes a belt clip for unrestricted movement.