

### Specifications for the 3000 Piezo Buffer Preamp with EQ

#### Input (EQ Flat)

Input Interface = RCA unbalanced  
Input Impedance = 2.2 Meg Ohms  
Maximum Input Level = 2.0 vrms

#### Output (EQ Flat, Volume Max)

Output Interface = 1/4" unbalanced  
Output Impedance = 2K Ohms  
THD = .008% @ 1kHz  
Noise = -92dBu  
S/N = 100dBu  
Bass = +/- 12dB @ 50Hz  
Treble = +/- 12dB @ 10kHz  
Frequency Response = 5Hz - 30kHz (+/- 1dB)

#### Power Supply

Power Source = 9 Volts @ 380 Microamps  
Battery Life = Approximately 1,000 hours

### Made In The U.S.A.

This Barcus-Berry product is designed to satisfy the most rigorous demands of the professional musician and the precision manufacturing techniques employed provide assurance of long-continued, trouble-free service. For outstanding performance and dependability, you can always rely upon BARCUS-BERRY—the world's leading name in musical instrument transducers, pickups and microphones.

#### Limited Warranty

This Barcus-Berry product is warranted for a period of one (1) year from the date of purchase against defects in workmanship and parts.

**BARCUS-BERRY®**

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# *Violin System*

## INSTALLATION INSTRUCTIONS

*for*

VIOLIN PIEZO TRANSDUCER SYSTEM

*model no.*

*3110*

**BARCUS-BERRY®**  
*True Expression*

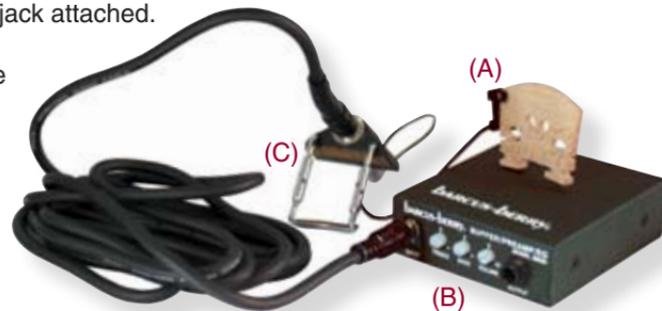
## Congratulations on your purchase of the Barcus-Berry 3110 Violin Piezo Transducer System

The Barcus-Berry string instrument transducers are universally recognized for their unequalled sound fidelity and have long been the preferred choice of most professionals throughout the world. The Model 3110 Transducer System can be quickly and easily attached to or removed from any standard-type violin bridge. The pickup has wide-band frequency response, essentially unlimited dynamic range and excellent string balance. In addition, it offers a high degree of feedback rejection and outstanding signal isolation. These characteristics, coupled with its unexcelled reliability, make the 3110 ideal for virtually all sound reinforcement and studio applications.

### Important

Before you begin, please check within the box to insure that it contains the following items:

- (A) •One (1) Barcus-Berry Violin transducer with carpenter output jack attached.
- (B) •One (1) Barcus-Berry 3000 Piezo Buffer Preamp with EQ.
- (C) •One (1) U-shaped bottom bracket and two turn buckles for the carpenter output jack.
- An adjustment key.
- Attachable belt clip with one set of “dual lock” attachment strips.
- 7 Feet connecting cable (1/4" to RCA).
- RCA to 1/4" adaptor.
- One set of rubber feet (four each).
- Installation Instructions for Model 3110.



*If any of these items are found to be damaged or missing, immediately contact the Barcus-Berry dealer from whom the unit was purchased.*

### Installation

The transducer is furnished with two Phillips-head screws which are employed to secure the transducer to the bridge of the instrument. Back these screws out, if necessary, until the transducer can be fitted over the edge of the bridge (*on the G or C-string side*). When properly oriented, the notched portion of the transducer will be at the top (*embracing both the front and rear faces of the bridge*) and the cord will be at the bottom. While holding the transducer firmly in place against the edge of the bridge, tighten the upper screw until it engages the rear face of the bridge. The lower screw should be nestled within the recessed area of the bridge foot and when tightened, its head will engage the rear face of the bridge just above the top of the instrument.

To mount the output jack on your instrument tailpiece, remove the screws from the clamp assembly and place the U-shaped member beneath the tailpiece. Position the other part of the assembly (which holds the jack) on top of the tailpiece directly above the U-shaped member. Align the holes in the two parts, replace the screws and tighten until the assembly is firmly in place.

Connect the transducer to the 3000 Piezo Buffer Preamp with EQ by plugging into the input jack and your installation will be complete. The 3000 is powered by a 9V battery and has volume, treble, and bass controls. To replace the battery, remove the screw from the side of the module and slide the cover off the chassis. Remove the expended battery and replace. Be sure to observe the indicated polarity markings when inserting the battery into the holder. Replace the cover on the chassis and re-secure with the screw.

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**NOTE:** when the transducer is attached to the bridge, the acoustic output of the instrument will be slightly damped, but this has no affect on the ability of the transducer to deliver accurate, unmuted reproduction of a normal acoustic sound.