

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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Flute System

INSTALLATION INSTRUCTIONS

for

DEDICATED ELECTRET FLUTE MICROPHONE SYSTEM

model no.

6100

BARCUS-BERRY®
True Expression

Congratulations on your purchase of the Barcus Berry 6100 Dedicated Electret Mic System with Preamp for Flutes

This system represents the culmination of many years of basic audio research, and its introduction as a part of the Barcus-Berry product line is a true milestone in the history of transducer technology. This system can deliver studio quality sound, yet is rugged enough to be practical for onstage use. It is virtually immune to feedback and totally moisture-proof, has excellent dynamic range and can provide clean, distortion-free reproduction of the original sound in any acoustical environment. This system is ideal for use with both analog and digital effects devices and is also the perfect choice for use with wireless transmitters.

Important

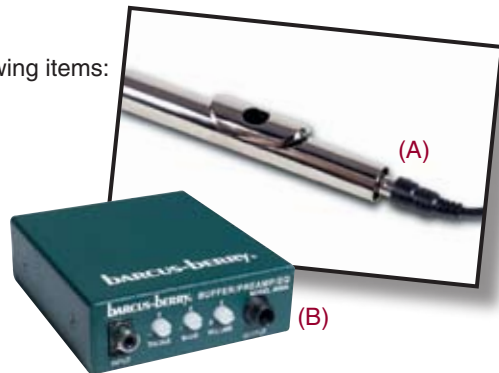
Before you begin, please check within the box to insure that it contains the following items:

- (A) •One (1) Barcus-Berry Interface Headjoint Cork with built-in microphone.
- (B) •One (1) Barcus-Berry 3000 Piezo Buffer Preamp with EQ.
- One set of rubber feet (four each).
- Abrasive sanding paper
- Installation Instructions for Model 6100.

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

Each system is comprised of three basic components

1) Interface headjoint cork - the interface module is a critical part of the system. It is manufactured to extremely precise tolerances, carefully hand-assembled and meticulously tested to meet rigid performance criteria. For instruments of the flute family, interface modules have been integrated into special head-joint cork assemblies which replace the instrument's original head-joint cork.



2) Transducer - Designed specifically for flute, the sensor locks securely to the interface module by threaded attachment. It can be quickly installed or removed at any time and the instrument can be played in the normal manner without the sensor when desired.

3) Piezo buffer preamp with EQ - this component provides essential power for operation of the transducer and also shapes the frequency response curve of the system. This preamp incorporates volume, bass and treble controls. It uses a 9-volt battery and is furnished with an attachable belt clip. The output of this preamp can be connected directly to any high-impedance audio input of 10K ohms+.

Installation

The headjoint cork diameter can be reduced, if necessary, by careful sanding with abrasive paper (furnished). For most instruments, however, sanding of the cork is not required. To position the headjoint cork in you instrument, proceed with the following steps.

- 1) Remove the original headjoint cork.
- 2) Apply a liberal quantity of lubricant to the cork surface of the Barcus Berry replacement cork and insert it in the headjoint. Tuning of the instrument is accomplished in the same manner as you would if using the original headjoint cork with one important exception as noted in the caution below.

Caution: Do not push the rod against the disk on the end-face of the headjoint cork when inserting, removing, or repositioning the cork or when cleaning the instrument. Any damage resulting from pressure applied to this disk may be irreparable and is not covered by warranty. Pressure can be applied to the outer rim which surrounds the center disk without any risk of damage. When it is necessary to press against the end-face of the Barcus Berry replacement headjoint cork to facilitate its removal, any blunt or semi-blunt toll having a diameter of at least 1/4 inch can be used.

- 3) Once the headjoint cork has been correctly positioned, the transducer can be screwed in and connected to the signal processor which, in turn, will deliver a signal to your amplifier.