

NEW

MICRO-PIPES

Electronic Practice Chanter



Ross Technologies



Micro-Pipes

An Economical Electronic Practice Instrument

The new Micro-Pipes electronically reproduce the standard Great Highland Bagpipe chanter scale in the key of "B flat" (A=470hz) without drone accompaniment. The notes are played in a very realistic manner, by covering electronic touch sensors, positioned to exactly match the finger spacing of a regular pipe chanter.

How to Play

Power is automatically turned on when the unit is picked up and any note is played. After approximately 3 minutes of non-use (hi A or no fingers on the chanter), the unit powers itself down to conserve battery life.

Special Functions

- 1) Volume Down** - This is accomplished by playing "Low G" while the left thumb is on the "function sensor" (silver screw just above the HiA). This must be held for approximately ½ second to avoid accidental activation during normal playing.
- 2) Volume Up** - This is accomplished by playing "Low A" while the left thumb is on the "function sensor" (silver screw just above the HiA). This must be held for approximately ½ second to avoid accidental activation during normal playing.

3) **Digital Mode** - This is accomplished by playing "C" while the left thumb is on the "function sensor" (silver screw just above the HiA). This must be held for approximately ½ second to avoid accidental activation during normal playing. This mode is reserved for future use, and in this mode, a series of clicks will be heard in the headphones during note changes.

4) **Digital Mode Cancel** - This is accomplished by playing "B" while the left thumb is on the "function sensor" (silver screw just above the HiA). This must be held for approximately ½ second to avoid accidental activation during normal playing. If the chanter was in digital mode, regular audio will resume at a mid-volume setting. If the chanter is already playing normally, this function has no effect.

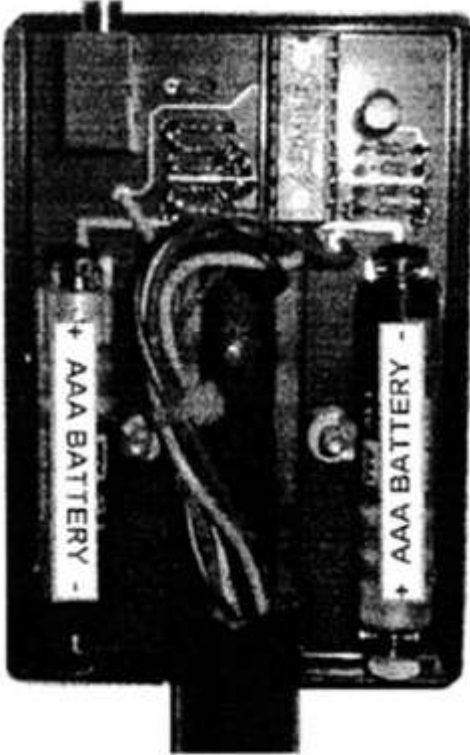
Battery Installation / Replacement

To replace the batteries, you will require a *phillips (star)* screwdriver. Remove the single black screw in the centre of the back of the unit. Do not attempt to remove the silver "function sensor" screw. Install new batteries in the clips, being careful to match the polarity with that shown.

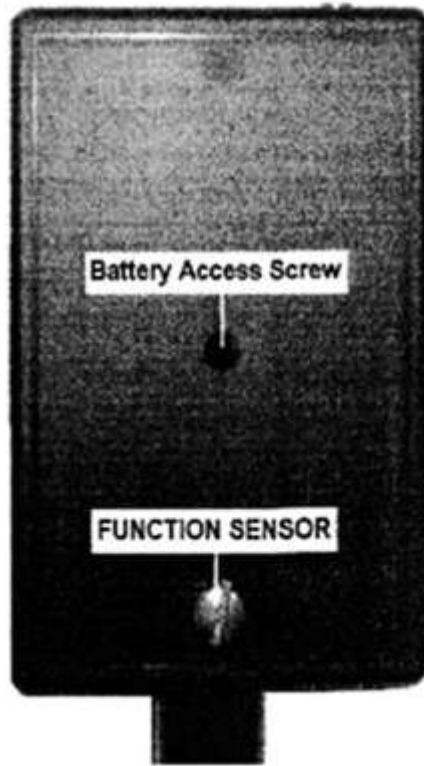
Specifications

- Batteries 2ea AAA 1.5 volt cells
- Output 3.5mm 3-Conductor Headphone Jack

Inside View



Back View



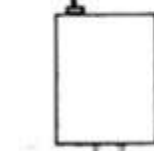
Troubleshooting

Although the Micro-Pipes have been designed using advanced contact scanning technology, and are very sensitive, under extremely dry conditions some users may encounter the "skipping" of notes (i.e. when playing down the scale, jumping from C, for example to LowA without sounding the B), or simply not being able to sound certain notes. This is caused by having particularly dry skin, which raises your natural skin resistance, and causes difficulty in sensing if your fingers are actually covering the holes. The remedy is to simply wash your hands to moisten them, and thus lower your skin resistance.

If you hear only a series of clicking noises while playing, you have inadvertently placed the unit in "Digital" mode. Simply play "B" while placing your left thumb on the "function sensor" (silver screw just above the HiA) for ½ second, and regular audio will resume.

You will very quickly become accustomed to your new Micro-Pipes, and enjoy many years of use.

Headphone Jack



HG
F
E
D
C
B
LoA

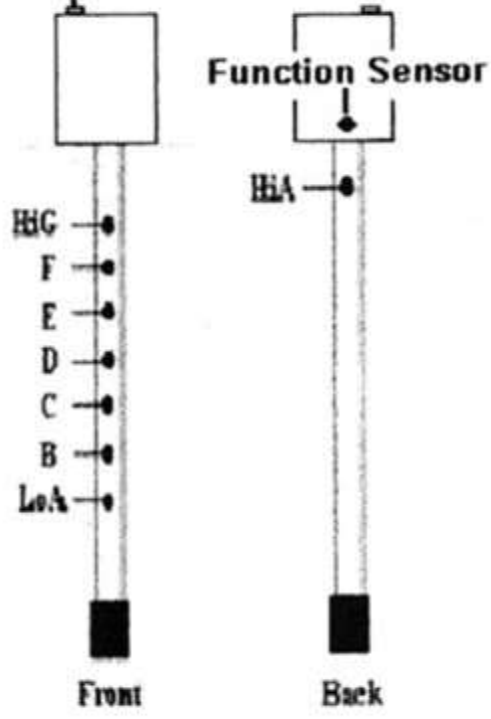
Front

Function Sensor



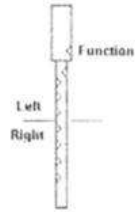
HiA

Back



MICRO PIPES

BEGINNER'S FINGERING GUIDE



No Holes Covered



HiA
Left Thumb

Left 4th
Right Index
Right 3rd
Right 4th



HiG
Left Index

Right Index
Right 3rd
Right 4th



F
Left Thumb
Left Index

Right Index
Right 3rd
Right 4th



E
Left Thumb
Left Index
Left 3rd

Right Index
Right 3rd
Right 4th



D
Left Thumb
Left Index
Left 3rd
Left 4th

Right 5th



C
Left Thumb
Left Index
Left 3rd
Left 4th
Right Index

Right 5th



B
Left Thumb
Left Index
Left 3rd
Left 4th
Right Index
Right 3rd



Lo A

Lo G

Volume Up
Function Sensor

Volume Down
Function Sensor

Left Thumb
Left Index
Left 3rd
Left 4th
Right Index
Right 3rd
Right 4th

Left Thumb
Left Index
Left 3rd
Left 4th
Right Index
Right 3rd
Right 4th
Right 5th

Left Index
Left 3rd
Left 4th
Right Index
Right 3rd
Right 4th

Left Index
Left 3rd
Left 4th
Right Index
Right 3rd
Right 4th
Right 5th



Digital Mode Set
Function Sensor

Digital Mode Reset
Function Sensor

Left Index
Left 3rd
Left 4th
Right Index
Right 5th

Left Index
Left 3rd
Left 4th
Right Index
Right 3rd

Certificate of Warranty

Thank you for purchasing a quality Ross Technologies product.

Your new Programmable Electronic Bagpipes are guaranteed to be free of defects for a period of 90 days after the date of purchase.

In the unlikely event of a warranty claim, carefully package your instrument and return it with proof of purchase, prepaid to the point of sale.

This Warranty excludes accidental damage, batteries, battery leakage and misuse.

ROSS TECHNOLOGIES

S/N: _____

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