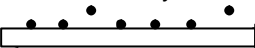


TECHNOCHANTER OPERATION MANUAL

EARPHONES

Use a pair of ordinary Walkman stereo earphones. (Typically 16 Ohm impedance and Ø3.5mm plug.)

SWITCHING ON/OFF

The chanter is switched on by connecting the earphones to the upper end of the chanter ❶ and playing an E  switched off by disconnecting the earphones.

! REMEMBER TO DISCONNECT THE EARPHONES TO SAVE THE BATTERIES WHEN THE CHANTER IS NOT BEING PLAYED!

ADJUSTING VOLUME

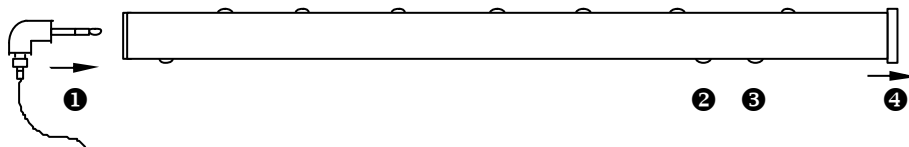
When the chanter is switched on the volume is set to the lowest possible level. The volume control ❷ is used both for increasing and decreasing the volume. The chanter alternates between turning up and turning down the volume every time the control is touched. The volume changes in steps for as long as a finger rests on the control or until the maximum or minimum level is reached.

PLAYING

The contacts of the chanter are electrical and not mechanical, meaning they do not have to be pressed down to become activated. The grip does not have to be any firmer than that on the pipe chanter. When all fingers are off the chanter, it will go silent until an E is played.

ADJUSTING SENSITIVITY

It could happen, from time to time, that your fingers are very dry, causing them to become poor conductors. The chanter, being dependant of electrical conductivity, may then have some trouble playing the note your fingers indicate, instead producing a squeaky sound. You then need to increase the sensitivity. Sometimes, on the other hand, your fingers may be very warm, and short-circuit the chanter through a very thin film of sweat, causing the chanter to, for example, play a low A when in fact you play an E. You then need to decrease the sensitivity. The sensitivity can be set to five different levels. Level 2 is twice as sensitive as level 1, level 3 is twice as sensitive as level 2 etc. When the chanter is switched on the sensitivity is set to level 4. The sensitivity control ❸ is used both for increasing and decreasing the sensitivity. The chanter alternates between turning up and turning down the sensitivity every time the control is touched. The sensitivity changes in steps for as long as a finger rests on the control or until the maximum or minimum level is reached. As you change the level you will hear a number of beeps corresponding to the level the sensitivity is currently at. The beeps will have a high pitch as the sensitivity is increased, and a low pitch as the sensitivity is decreased.



ADJUSTING PITCH

The pitch of the chanter can also be controlled. The chanter alternates between raising and lowering the pitch every time the controls ❷ and ❸ are touched simultaneously. The pitch changes in steps for as long as a finger rests on the controls or until the maximum or minimum pitch is reached. The low A goes from 437Hz up to 481Hz in steps of 3Hz, with 466Hz as default.

BATTERIES

The chanter uses three 1.5Volt LR44, SR44 or V357 type batteries (Ø11.6 x 5.4mm). The lifetime of the batteries is approx. 50 hours of playing. If the chanter runs only for a few minutes before shutting itself off, or plays only a buzzing noise, the chanter needs new batteries. Always replace all batteries.

CHANGING THE BATTERIES

Remove the plug ④ from the chanter by pulling it outwards. **DO NOT TRY TO UNSCREW IT!** Tap the battery end of the chanter against the palm of your hand in order to get the old batteries out. Insert the new batteries with their positive ends, marked ⊕ towards the plug, and press the plug back on. Be careful not to damage the metallic tape on the plug.

PRECAUTIONS

Do not expose the chanter to high temperatures (e.g. in a car during daytime). High temperatures can damage batteries and distort plastic parts.

Handle the chanter carefully. Dropping it can damage the circuit board and case, and can cause the chanter to work improperly.

Keep out of reach of small children. Product contains small parts.

TROUBLESHOOTING

Symptom: Each movement of the fingers is amplified as "thuds".

Solution: Probably a poor connection between the batteries and the contacts. Try to make the batteries shift around some (there is some space between the tube and the batteries) to create a better contact. Do this by hitting the bottom end (not too hard) against the palm of your hand, you might hear the "thud" a few times as you do so, but then it should go away and the sound should be OK when you play. This might have to be repeated whenever you change the batteries, but once done, the contact with the batteries should be OK until it is time to change them. If this fails, try to remove the plug, wipe both the batteries and the plug free from possible dust and put the batteries and plug back in. (You might have to do the "palm hitting" routine again after reinserting the batteries.)

Symptom: Chanter stops sounding, starts screeching, or starts to make funny noises after a few minutes.

Solution: Change all batteries.

MAKER

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