## **ACM-01**

# **Accordion pickup system**





- ✓ 2 × microphones for the treble side with mini plugs
- ✓ 1 × bass mic with RCA socket and Velcro attachment
- 1 × dual channel preamp especially designed for use with miniature microphones, powered by a 9 Volt battery (not included)
- ✓ 1 × spiral cable to connect preamp and bass microphone
- 1 × long strip of soft Velcro with adhesive backing for the treble mic
- ✓ 1 × short strip of soft Velcro with adhesive backing for the bass microphone
- 2 × pieces of hard Velcro for attaching the mic cables

The two connected treble microphones are installed on the inside of the treble grill. The single bass mic is mounted on the inside of the bass side.

Prior to first using the microphone system according to the following instructions, please insert a fresh 9 V battery into the preamp. Therefore slide the labelled lid with slight pressure upwards to overcome the clamping assembly. Insert the battery into the designated compartment.

### A. Mounting the treble mics

- 1. Remove grill cover off the treble side.
- 2. Mark the position of the two medium G keys on the inside of the grill, as well as an assumed centre line between the black and white keys.
- 3. Along this centre line, attach the long soft Velcro strip and stick the underside of the treble mics to the G key marks.
- 4. As shown in picture, lead the cables out of the grill towards the high octave keys and secure them with the 2 small hard Velcro pieces on the long strip.
- 5. Now, choose a suitable position for the preamp.
  - a. Do not transport your instrument with mounted preamp. If it comes loose it could damage your instrument.
  - b. The output amp cable should not be bent when the instrument is put on the floor.

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- 6. Mount the preamp using the pre-attached Velcro.
- 7. Insert the plugs of the two treble mics into the 'Melody Mics In' inputs.

### B. Mounting the bass mic

- 1. Remove the bass side grill cover.
- 2. Select a suitable position for the bass mic at the bottom part of the inside of the cover.
- 3. Attach the microphone with the Velcro. For instruments without grill cover, the bass microphone needs to be mounted directly inside on the tuning block. For this purpose, you will need to drill a small hole through the tuning block to thread the small mic cable through. Unsolder the jack first, and re-solder it after installation. The hole should be filled with silicone or putty. We recommend having this done by a qualified instrument technician.
- 4. Route the cable towards the corner between the housing and cover (usually it is necessary to file the cover side). Replace the cover, where you please take care not to damage the thin cable. Then attach the hand strap again.



- 5. Glue the RCA jack of the bass mic on the bottom.
- 6. Connect the spiral cable via the 'Bass Mic IN' socket to the preamp and the RCA socket.

#### C. Starting up

- 1. Connect the 'Melody Mix OUT' of the preamp to an amp's or mixer's microphone input. A '1/4" jack to XLR' cord might be required.
- 2. Adjust the volume control 'Melody Vol' and 'Bass Vol' at the preamp as desired.
- 3. If only the 'Melody / Mix OUT' is connected, the signals of both treble mics and bass mic are transmitted as one mono signal.
- 4. If an additional cable is connected to the 'Bass OUT', the system is switched to stereo operation, with separate transmission of bass and melody signals
- 5. After playing please pull the plug 'Melody Mix OUT' to disconnect the battery.

Frequency range:	50 – 19.000 Hz, linear
Sensitivity:	11 mV / PA / 1 kHz
Maximum SPL:	135 dB
Characteristic:	Sphere
Battery:	9 Volt
Current draw:	3 mA

This device is intended to be used to pick up accordions using 3 microphones. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

Ensure that plastic bags, packaging, etc. are properly disposed of and are not in the reach of babies and young children. Choking hazard! Ensure that children do not detach any small parts (e.g. knobs or the like) from the product. They could swallow the pieces and choke! Never let children use electrical devices unattended. For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling. Ensure that plastic bags, packaging, etc. are properly disposed of. Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) in its currently valid version. Do not dispose of your old device with your normal household waste. Dispose of this product through an approved waste disposal firm or through your local waste facility. Comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility. Batteries must not be disposed of as domestic waste or thrown into fire.

Dispose of batteries according to national or local regulations regarding hazardous waste. To protect the environment, dispose of empty batteries at your retail store or at appropriate collection sites.

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