

# Millenium

MS8

## User manual

This manual contains important information on the safe operation of the device. Read and follow the safety advice and instructions given. Retain the manual for future reference. If you pass the device on to others please include this manual.

## Safety instructions

### Intended use

This device is meant to be used to split up to 8 microphone signals to each 2 outputs. 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.

### Danger for children



Ensure that plastic bags, packaging, etc. are disposed of properly and are not within 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 unit. They could swallow the pieces and choke! Never let unattended children use electrical devices.

### Where to use the product

Never use the product

- in direct sunlight
- in conditions of extreme temperature or humidity
- in extremely dusty or dirty areas
- at locations where the unit can become wet
- near magnetic fields

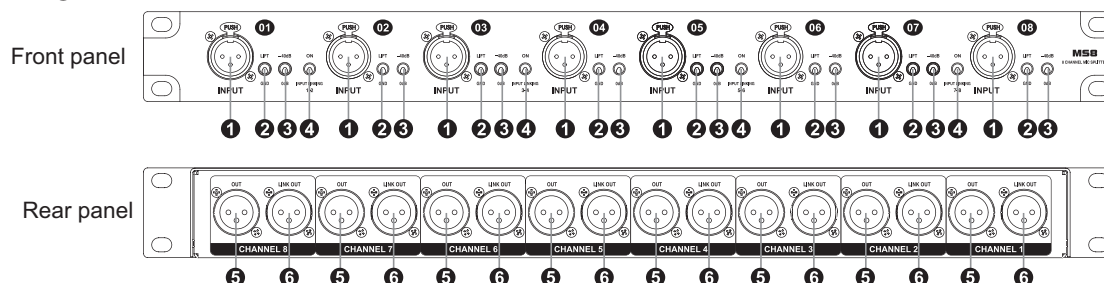
### General handling

- To prevent damage, never use force when operating the switches and controls.
- Never immerse the appliance in water. Just wipe it with a clean dry cloth. Do not use liquid cleaners such as benzene, thinners or flammable cleaning agents.

### Keep foreign substances from the unit!

Keep the device away from containers with liquids. Should any liquid get into the unit, this could lead to its destruction or fire. Be sure not to let any metal objects into the unit.

## Operating elements

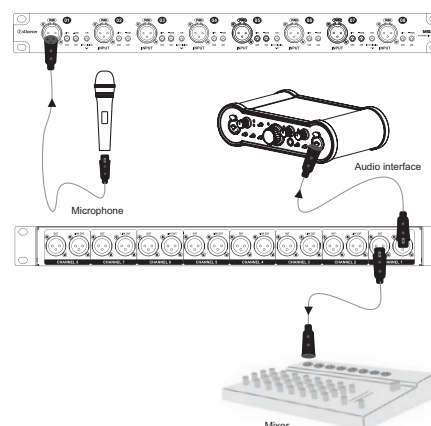


1. XLR microphone input.
2. Ground / Lift switch.
3. Switch for input level attenuation (-40 dB).
4. Switch for linking both adjacent inputs.

5. Galvanically isolated output.
6. Direct output.

## Using the device

1. Connect one or more low-impedance dynamic microphones or condenser microphones to the INPUT sockets (1) on the front panel of the unit.
2. Connect the OUT sockets (5) of the used channels to the microphone inputs of the main mixer. If you use condenser microphones at the inputs of the device, turn on phantom power required for operation on the main mixer for these channels (or globally).
3. Connect the LINK OUT sockets (6) of the used channels, for example, to the microphone inputs of a monitor mixer, a recording system or the like.
4. Move the GROUND / LIFT switch (2) to the position that provides the less noisier signal for the respective channel.
5. If some signals are too dominant, move the input level attenuation switch of the respective channel to the -40 dB position to prevent overload and clipping.



## Technical specifications

Frequency response:	20 Hz – 20 kHz
Total harmonic distortion:	≤ 0.26 % (20 Hz – 20 kHz @ -15 dBu input) ≤ 0.10 % (45 Hz – 20 kHz @ -15 dBu input)
Phase response:	≤ 10 degree @ 20 kHz

Input impedance:	≤ 1.1 kΩ @ 1 kHz
Output impedance:	≤ 225 Ω @ 1 kHz
CMRR:	≥ 105 dB @ 60 Hz; ≥ 80 dB @ 3 kHz
Voltage insertion loss:	approx. 2 dB @ 1 kHz



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.