






8-channel Fully Stereo Rack Mixer MICROMIX 8S



MICROMIX 8S is the first **Truly & Fully** Stereo Mixer.
Stereophonic from ALL inputs to ALL outputs, including AUX and INSERT!

Each of it's 8 identical channels has:

-  Balanced stereophonic inputs,
-  Level and Pan;
-  Sends to external processing AUX;
-  Individual level indicators;
-  Individual unbalanced DIRECT-output.

Each channel also has individual multifunctional MUTE button. It's mode is determined by the status of the MODE switch on the rear panel.

Depending of it's position this button may be used as "usual" MUTE, or when this button is pressed - the signal from this channel is routed to the auxiliary mixer's output REC OUT. This output may be used for sending signals from any of the individual sources to external recorder.

All these functions may be used simultaneously, e.g. at the time of listening Your composition by pressing one button You may send signal of any instruments to the recorder, and by Your choice remain it sounding or exclude it from overall sound - as You like!

Except stereo sources, each input may be connected to "usual" monophonic signal sources, it will not cause malfunction of mixer. You may work with mono-sources as usual, including panning.

By this, MICROMIX 8S may be used as 8-channel stereo mixer or 16-channels mono, and/or in any other combinations.

MASTER section includes output level meters, rotary controls for output level and balance, and it also has built-in high quality stereophonic headphone amplifier with it's own loudness control and MONO button for mono-compatibility checking.

MICROMIX 8S also has Effect-Return control and **(ATTENTION!)** unusual *regulated* INSERT before master.

This control is based on changing *balance* between direct ("DRY") signal assigned to INSERT SEND for external processing and returned processed ("WET") signal from INSERT RETURN.

It lets maximally preserve sound clearance and nuances when processing it by external devices and avoid it's degradation by any unnecessary and unwanted circuits. Also it is possible to regulate the amount of reverb directly on MICROMIX 8S instead of processor. (Of course, the same control on reverb must be set to "WET" only!)

Also appears the ability to make some of the processings which may not to

be done by another ways - for example, low-level compression with using of "parallel channel", and others.



Rear panel

On rear panel are placed 16 input 1/4" jacks of balanced inputs and 8 jacks for unbalanced DIRECT-outputs from each channel.

Upon them are installed jacks AUX (OUT and IN) for sending signals to external processing and returning from it, and INSERT for switching external processors into main signal bus.

Few mixiers may be linked together directly in master-section by use of the LINK jacks, avoiding the use input channels for that purposes.

There are two independent MAIN OUTPUTS, balanced and unbalanced.

Main power connector and GROUND LIFT are also placed on the rear panel.

[Here](#) You can see simplified structure diagram of MICROMIX 8S.

Specification:

THD is less than **0,003%** in full audio band, measurements are shown [here](#).

Full bandwidth is no less than **1 Hz** to **800 kHz**, in audio band nonlinearity

AFC is no more than **0,03 dB**, phase deviation is no more than **±5°**, measurements are shown [here](#).

Noise at unbalanced out:

At MASTER closed: **- 98dbu (-100dbA)**.

@ Unity Gain and one channel open: **- 97dbu (-100dbA)**.

@ Unity Gain and all channels open: **- 94dbu (-96dbA)**.

At Vin=0dbu, Vout=+20dbu and one channel open: **- 83dbu (-86dbA)**.

Max output level:

Unbalanced output : **+21dbu**.

Balanced output : **+27dbu**.

S/N ratio with all controls at nominal positions:..... **115db**