

GMIX

Modular Digital Audio Mixers



For On Air and Production

For DJ and technician assisted operation

Compact mixer modules can be mounted at any place of the console

Mixer modules and software are adaptable to individual customer requirements

Very comfortable, easy operation

Sophisticated automatic functions

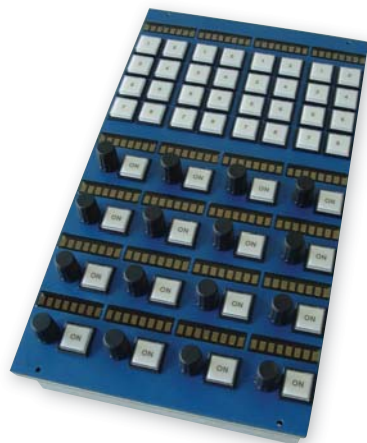
Easy change of configurations

Production modules adapt On Air mixers to production applications



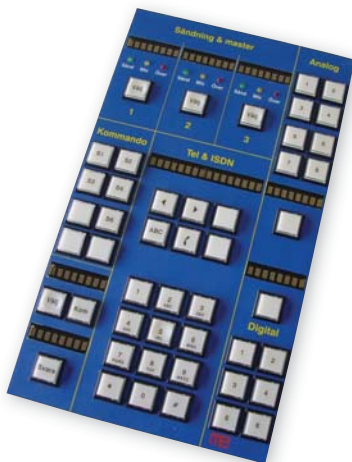
Mandozzi Electronics Inc

Modular Digital Audio Mixers



Parameter Module

- ▶ Adapts On Air mixers to production applications
- ▶ Plug and play
- ▶ Eight freely programmable function configurations can be recalled by a single key stroke
- ▶ 4 rotary knobs for gain, balance, width, return gain, mic level, aux level, filter, equaliser, compressor IN, compressor OUT, etc.
- ▶ One 8 character display to indicate the title
- ▶ Four 8 character displays to indicate the function



A/D Routing Unit

To integrate foreign mixers into the digital radio station concept



4-Fader Module

Central Unit

The central module controls the antenna management, the Aux outputs, the communications and the monitoring. The antenna management connects the own mixer to an antenna output, frees the antenna output for access by another mixer, or allows another mixer to have parallel access to the own mixer.

MASTERS

- ▶ selection keys (compressor, on-air management, timer, WAV recorder)
- ▶ LED for on-air
- ▶ LED for overload
- ▶ 8 character display for function indication

AUXES

- ▶ selection keys (compressor, WAV record)
- ▶ dB meter
- ▶ overload LED
- ▶ 8 character display for function indication
- ▶ knob for gain adjustment
- ▶ talk key
- ▶ output enable key

MONITORING

- ▶ selection keys (input or output lines)
- ▶ 8 character display for function indication
- ▶ knobs for gain (main monitor, PFL monitor, phones monitor)
- ▶ 8 freely programmable keys (input or output line)
- ▶ 3 free keys (phase, mono, PFL off, split PFL, etc.)



INTERCOM

- ▶ selection keys (out lines)
- ▶ 8 character display for function indication
- ▶ knob for gain adjustment
- ▶ 8 freely programmable keys (output line)
- ▶ talk key
- ▶ intercom group
- ▶ communications group
- ▶ answer key
- ▶ red light

GPIO

- ▶ four user-programmable 8 character displays
- ▶ 8 user-programmable keys
- ▶ all displays and keys can be controlled by GPIO functions

Fader Modules

- ▶ Rotary knobs with push button function for gain, balance, width, return gain, mic level, line input gain, aux level, etc.
- ▶ High quality faders (usually with motor)
- ▶ 8 character display for object title or name
- ▶ 8 character display for function indication
- ▶ LEDs for compressor level indication (input or output)
- ▶ LED level meter (Input or Output)
- ▶ LED for overload
- ▶ LED for active processing
- ▶ LED to indicate parameter adjustment
- ▶ 5 free function keys (ON, PFL, talk, external, n-m, record...)



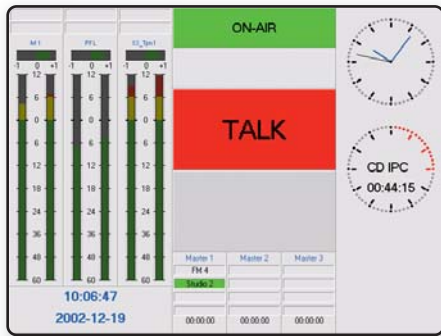
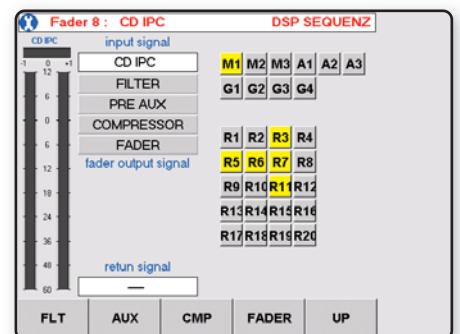
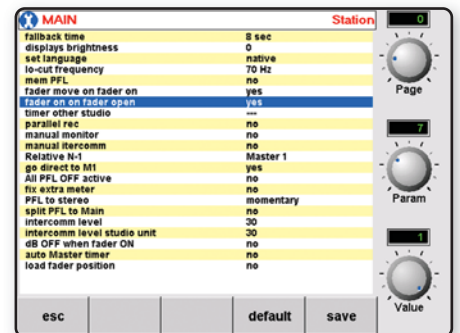
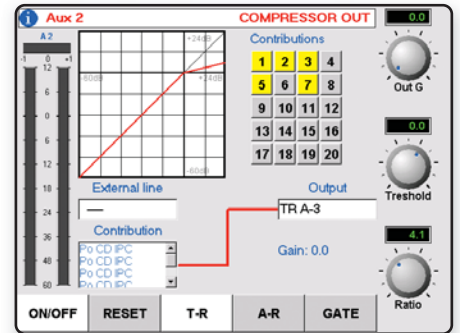
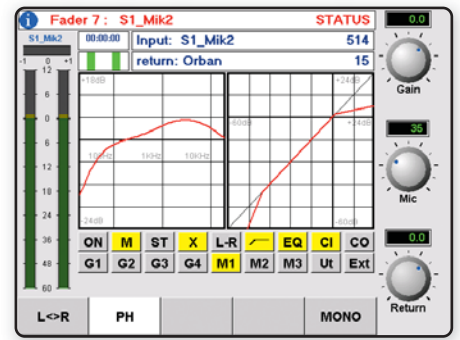
2-Fader Module

Main Module

The main module is used to select the input and output lines, to set the filter and compressor parameters, to save and recall snapshots, to identify the users, etc. The display shows the parameters set for each individual fader (e.g. input and output lines, filter and compressor curves, etc.), indicates the input and output lines for their allocation to the faders, the identification of the users, etc. Special care was taken to render the operation of the system as easy as possible.

Some examples for the functions realised on the main module are:

- ▶ Entering the password either by selecting it from the system memory by using the rotary knobs, or by keying it on the decimal keyboard of the central module
- ▶ Allocation of the input signals to the faders by means of the three rotary knobs that select the lines in three hierarchical tables. It is also possible to dial the line number on the decimal keyboard of the central module. Using the function keys, it is possible to choose whether the left or the right channel should be connected, whether in mono or stereo, and whether the return line is to be configured in (n-1).
- ▶ Allocation of the fader outputs to the various output lines similar to the inputs as described above.
- ▶ Adjustment of the filters by means of the rotary knobs. The operator can choose two different operator levels manually (a default level can already be selected with the log-in): basic and advanced with graphic display of the filter curves.
- ▶ Adjustment of the compressors, also with two operation levels.
- ▶ Possibility to select the sequence of fader - filter - compression.
- ▶ Possibility to select the Aux tapping point.
- ▶ One keystroke sets all filters and compressors to zero, another one sets individual filters to zero.
- ▶ Saving and recalling the configuration of individual channels or of the complete mixer, of the input and output configurations, of the filter and compressor adjustments.
- ▶ Transfer of a channel configuration to another mixer.
- ▶ Allocation of the channel configuration received from another mixer to one of the own fader channels.
- ▶ Remote setting of a fader channel of another mixer.
- ▶ Recall of the "Help" text that also offers the possibility to create hyper texts. The texts themselves can be written by the customers.
- ▶ By pressing the SEL key of a fader, the display of the main module shows the parameters of this fader channel.
- ▶ After pressing the TIMER key on the main module, the starting time for the down-counter can be introduced by a rotary knob on the main module or by the decimal keyboard of the central module. The function keys on the main module determine whether the timer shall count upwards, downwards or downwards to a determined time.
- ▶ When another fader of the same group is pulled, the timer starts anew.



Info Module

The information module contains a 10.5" TFT display that indicates important operational information. The module can be replaced by a larger external display. The module displays the following information:

- ▶ Master 1 level
- ▶ PFL sum level
- ▶ Main monitor level
- ▶ Display of date and time
- ▶ Display of timers (counting upwards or downwards, selectable on the main module) controlled by the faders, plus a general clock.
- ▶ Indication of the outputs to which the three main sums are connected.
- ▶ Indication of another mixer that wants to go On Air.
- ▶ Indication that another mixer wants to pass over the configuration of a fader.
- ▶ ON AIR display.



Telephone Module

2-Fader module with additional 20 keys to control a screener telephone system



DJ mixer

The DIMIX mixers are especially designed for user-friendly operation. They offer a great number of comfortable functions, including:

- ▶ Automatic telephone hybrid and ISDN codec control
- ▶ Remote adjustment of fader channel parameters via serial interfaces
- ▶ Remote control of fader channels from another mixer
- ▶ Snapshot transfer between mixers
- ▶ Selection of the signal processing sequence for every channel (gain, compressor, fader)
- ▶ Compressors at fader inputs and outputs, master and aux outputs
- ▶ Automatic, manual and relative n-1
- ▶ Any fader can be used as group fader
- ▶ Any fader can be used as master or aux fader
- ▶ Easy programming of individual GPIO functions
- ▶ Integrated intercom system
- ▶ Communication groups
- ▶ Integrated intercom system
- ▶ Conference connections
- ▶ Sophisticated On Air management
- ▶ Recording sum
- ▶ Immediate wav recording of any input or output signal
- ▶ Specially designed producer desks

The mixers consist of separate compact modules that can be installed at any place of the console in order to meet the customer's operational and ergonomic requirements. The surfaces, control elements and functions of the modules can be adapted to individual technical and operational needs. Mixers with up to 40 fader channels with their production modules are available.



Small production mixer



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