

## Andante 16

### Digital mixer with 16 Microphone/Line-Inputs and 8 Outputs

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The mixer offers 16 inputs, 8 outputs, and a variety of functions like parametric and graphic equalizer, delay up to 200 m for each output and remote control.

No signal processing units are necessary; all adjustments and parameters can be stored, copied and recalled at any time.

Mixer with 16 microphone-/line-inputs  
Matrix  
Automix  
8 outputs  
Master function for all outbound signals

All inputs, matrix and outputs are equipped with a select- and LED-display. Some functions can be adjusted directly at the unit by using the select-button and the two control dials. All changes can be easily traced with a clearly arranged view at the display. The select-function is present at all microphone-/line-inputs, matrix and at the outputs. Various signal processing functions as parametric Eq; compressor / limiter; noise-gate for each input are available.

Automix for priority and suppression for downstream inputs; Optional numbers of inputs; adaption of levels referring to the number of microphones is possible.  
Use matrix to shift each input to the designated output and to adjust the necessary level

Each of the 8 outputs are equipped with 4 parametric and a 31 Band-graphic-equalizer, level adjustment, compressor / limiter and noise gate.  
Master volume; remote control by RS 232-interface  
By using the PC-Software all function adjustments of the parameters can be made as well as creating and storing the presets

|         |                          |
|---------|--------------------------|
| Height  | 88 mm                    |
| Width   | 484 mm                   |
| Depth   | 260 mm + 60 mm connector |
| Weight: | 7 kg                     |

The mixer is also available in the version Andante 8 with 8 micro-/line-inputs and 4 outputs.

## Technical details:

### Inputs

14 XLR + 2 XLR/RCA

Sensitivity per input: mic/line

Digitally controlled analog input gain range: 60 dB

Digitally controlled phantom power per input: 48V

Dynamic range analog to digital converter (ADCs, 'A'weighted)  $\geq 110$ dB

THD input to output  $\leq 0.01\%$

Maximum input level before clipping (minimum gain setting): 20 dBu

### Outputs

6 XLR + 2 XLR/RCA

Dynamic range digital to analog converters (DACs):  $\geq 110$ dB

THD input to output (all gain settings):  $\leq 0.01\%$

Nominal output level (Master Volume at -16 dB): 4dBu (1.23Vrms)

Maximal output level before clip (0 dB full scale at DAC output): 20dB

Output impedance: 50  $\Omega$

## Digital signal processing

### Inputs

3 parametric EQs per Input (peaking type)

Highpass filter 160 Hz/12 dB per octave on every input

Gate/compressor/limiter per input

### Outputs

Graphic EQ per line output: 31 band (1/3 oct)

4 parametric EQs per line output (peaking type)

Gate/compressor/limiter per output

Delay per line output 233 m (679 ms)

Phase reverse per line output

### Input/Output Routing Matrix

Size of matrix: 16 In / 8 Out

Individual volume (fader) per crosspoint

### Automix

Automatic mixing function

Automatic mixing function simultaneous channels selectable

### General

Sample frequency: 48 kHz

### User Interface

Master volume (common level for all outputs) accessible via front panel

20 presets accessible via front panel

Presets include analog input gain and phantom power setting

Individual input and output volume setting accessible via front panel

Peak- and signal indicator per input channel on front panel

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DSP-parameters accessible via front panel, PC/Notebook-USB-Interface

Preset load from and save to file (PC software)

External remote control via RS 232 (see serial protocol description)

Switchable user access protection

Technical modifications reserved