

DAM614 is an audio digital mixer that comes after the great success of its predecessor, the DAM514, including many enhancements and new features. Thanks to them, it becomes a perfect choice for both profiles of end users: the ones that feel comfortable with analogue, even old-school audio devices and their touch, and the ones that prefer the digital world. In both cases, DAM614 amazing processing power is still there. It includes 6 audio inputs and 4 audio outputs, front panel inputs and outputs level controls, DSP processing, RS-232 con-nectivity and 4 REMOTE control ports (0-10VDC). Its 4 outputs can be used as mono independent zones or coupled as stereo zones. Regarding inputs, the first 2 are stereo LINE inputs, and the 3rd, 4th, 5th and 6th ones are MIC / LINE ready, being possible to use them independently (mono) or as stereo-coupled inputs.

### Key features

- 2 stereo LINE inputs, RCA terminals
- 4 MIC/LINE inputs, balanced, Euroblock terminals. Can be configured to work independently (mono) or linked in couples to become a 3rd and/or a 4th stereo input
- 4 balanced audio outputs, Euroblock terminals: each output can work in single mode (mono zone) or linked with another output to become a stereo zone (A&B / C&D couples)
- DSP @ 24 bits / 48kHz
- Front panel LCD display, 2x20 characters and 10 front panel LED indicators (one for each input and output)
- 6 front panel input control digital knobs (one per input)
- 4 front panel output control digital knobs (one per output)
- 4 front panel keys, for parameters adjustment and menus navigation
- 4 REMOTE ports (0-10 VDC), ready for inputs or outputs volume control, source selection, presets recovery, etc., using WPm series wall panels
- PAGER port for real-time voice paging, using an MPAGE4 console unit
- MUTE port for one or several zones muting via external contact closure
- RS-232 Interface with EclerCOMM free application (<http://www.ecler.com/en/products/software.html>) and CA-NET protocol compatibility (third-party integration)
- Processing:
  - Independent level control for each input and output
  - Independent mixer for each output zone: a different combination of inputs and levels (a mix) can be adjusted for each of the 4 available outputs
  - Independent 3 band tone control (BASS-MID-TREBLE) for each input
  - Crossover filters available for each output
  - Independent 10 band graphic EQ for each output
  - Independent and adjustable High-pass filter available for MIC/LINE inputs
  - 2 level priority PAGER / DUCKER function (emergency, paging, message delivery, etc.), triggered by MIC/LINE inputs
  - Independent Noise Gate function for MIC/LINE inputs
  - Independent Feedback Suppressor Function (feedback loops, or Larsen effect) for MIC/LINE inputs
  - Adjustable delay time for 2 outputs
- System templates to create new user configurations.
- 20 user presets and system templates to create new user configurations
- Three password-protected front panel lock modes.



### Recommended amplification

- MPA, multichannel series
- NXA, multichannel networkable series
- DPA and GPA stereo series
- HZA, multichannel 100V line series
- HSA, 100V line series

### Accessories

- MPAGE4, paging station
- WPm, series wall panel controls

### Applications

- A/V corporate, retail and education applications
- BGM & Paging solutions, with message priorities and source/volume independent selection
- Integration in installation global control systems
- Conferencing
- P.A. management (multi-way speaker processing, delay adjustment, etc.)

### Technical Characteristics DAM614

<b>INPUT 1, 2 (LINE)</b>	Sensitivity	0 / -6dBV Internal jumper adjust. 0dBV factory default
	Input impedance	>13k
	Input connector	RCA female
<b>INPUT 3, 4, 5, 6 (MIC)</b>	Sensitivity	-20 / -50dBV External potentiometer adjust
	Input impedance	>24k electronically balanced
	CMRR	>55dB (20Hz ÷ 20kHz)
<b>INPUT 3, 4, 5, 6 (LINE)</b>	Input connector	Terminal block (Symmetrical)
	Sensitivity	0 / -6dBV Internal jumper adjust. 0dBV factory default
	Input impedance	>24k electronically balanced
<b>ZONE OUTPUTS</b>	CMRR	>55dB (20Hz ÷ 20kHz)
	Input connector	Terminal block (Symmetrical)
	Nominal output level	0dBV
<b>A/D &amp; D/A</b>	Output impedance	300Ω electronically balanced
	Output connector	Terminal block (Symmetrical)
<b>FREQUENCY RESPONSE</b>		24bit / 48kHz
<b>OUTPUT NOISE FLOOR (FFT)</b>		<10Hz ~ 20kHz (+0dB / -0.5dB)
<b>THD + NOISE</b>		>110dB (from 20Hz to 20kHz)
<b>CROSSTALK</b>		< 0.0058% (1kHz, 1Vrms)
<b>INPUT EQ</b>	Type	>90dB, 20Hz ÷ 20kHz
		Baxandall 3 ways EQ

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<b>INPUT EQ</b>	Gain	-10dB ~ +10dB in 0.1dB steps
	Frequency	Low 200Hz Mid 1kHz High 6.3kHz
	Type	Assignable to any output zone. 2 priority levels.
<b>INPUT 3, 4, 5, 6 TALKOVER</b>	Modes	Ducker / Pager (only input 6)
	Threshold	-80 / +12dBV
	Depth	0 ~ 80dB
	Attack time	5 ~ 2000ms
	Hold Time	10 ~ 3000ms
	Release time	50 ~ 3000ms
<b>INPUT 3, 4, 5, 6 NOISE GATE</b>	Chime (only input 6)	ON / OFF. Variable volume. Two different melodies
	Threshold	-80 / +12dBV
	Depth	0 ~ 80dB
<b>INPUT 3, 4, 5, 6 OTHER OPTIONS</b>	Attack time	0.1 ~ 500ms
	Hold Time	10 ~ 3000ms
	Release time	10 ~ 1000ms
<b>ZONE OUTPUT EQ</b>	Feedback suppressor	Frequency shifter type
	High pass filter (hum & pop suppressor)	50 ~ 150 Hz 12dB/oct Butterworth
<b>ZONE OUTPUT EQ</b>	Type	10 band EQ
	Filters	Adaptable Q to achieve maximum flat response
	Gain	-10dB ~ +10dB step 0.1dB
	Frequencies	31, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 16k Hz

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<b>ZONE OUTPUT-CROSSOVER FILTERS</b>	Type	Low & High Pass Butterworth 12 dB/oct
	Frequency	20Hz ÷ 20kHz
	Threshold	-36 / +12dBV
<b>ZONE OUTPUT COMPRESSOR</b>	Ratio	1:1 ~ 1:inf (LIMITER)
	Knee	Hard / Soft
	Attack time	0.1 ~ 500ms
	Release time	10 ~ 1000ms
<b>ZONE OUTPUT DELAY</b>	Make-up gain	0dB ~ +10dB
	Delay Time	10 ~ 1000ms (10 ~ 343,4m)
	Units	Milliseconds, seconds, centimeters, meters
<b>EXTERNAL MUTE</b>	Configuration	Normally open. Assignable to any output zone
	Remote type	WPmVOL-SR. Up to 4 remotes
<b>REMOTE CONTROLS</b>	Input volume	Zone volume
	Configuration	Input selector
		Preset selector
<b>GENERAL</b>	Matrix Volume	
	Mains	90~264VAC 50/60Hz
	Power consumption	20VA
	Dimensions WxHxD	482.6x44x120mm
	Weight	2.00kg