

DA-410 DISTRIBUTION AMPLIFIER/ZONE MIXER



- The **ALTAIR DA-410** is a high performance distribution amplifier/zone mixer/mic splitter, compact, only one rack 19" unit high, and is able to process two stereo input signals to obtain five stereo output signals, both with independent level control.
- Used as mixer (**Zone Mixer**), the unit could control five zones in stereo mode or ten in mono mode (or any other combination) from the mix of its two stereo input signals.
- As a **audio distributor**, allow obtaining up to ten mono output signals, or five in stereo mode for its use in press rooms, recording units, audio production, broadcast, etc. Since it has two stereo inputs, allow using the stereo input B as emergency input signal (reserve).
- Individually selected MIC/LINE input preamplifiers allows microphone or line signals **splitting** to additional mixers without quality and headroom degradation. Up to 4x8 or 1x10 active splitting is possible.
- One MONO switch by Zone allows to convert the output signals in order to adapt them to monophonic equipment. If the input signals are monophonic, this switch is equally useful in order to duplicate them to L, R (stereo).
- The unit has a monitoring system or PFL with incorporate speakers, headphones output and selectable Vu-meter allows analyzing and calibrating the input signals and all the outputs. This stereo monitoring system allows a simple and efficient control of audio continuity in moderate noisy environments.
- All the inputs and outputs are electronically balanced (XLR) and admit as option, input and output transformers in order to improve the common mode rejection ratio or provide galvanic isolation.
- Up to two parametric equalizer cards TE-F could be installed as option, in each one of the ten outputs, permitting the appropriate tonal correction to each zone or speaker system.
- 4x8/1x10 Mic/Line active splitting
- Balanced Inputs/Outputs.
- 2 Stereo Inputs + 5 Stereo Outputs (10 in mono mode).
- Miniature stereo speakers incorporated.
- PFL and headphones output
- SIGNAL/CLIP LED's indicators all input and output signals.
- Optimal transformers in all the inputs and/or outputs.
- Up to 2 optional parametric equalization points on each output
- Input and Output compatibility mono/stereo signals.



TECHNICAL SPECIFICATIONS

NUMBER OF INPUTS:
INPUT IMPEDANCE:
INPUT LEVEL:

- 2 stereo (XLR-3-31).
- 2 K Ω /10 K Ω (MIC/LINE). Electronically balanced.
- 0 dBv. nominal.
- +9 dBv maximum mic input.
- +22 dBv. maximum line input.

INPUT GAIN/ATTENUATION:

NOMINAL GAIN:	<ul style="list-style-type: none"> ● +6/-? dB. Level control via calibrated rotary potentiometer. ● 0 dB/+12 dB. Line or Mic input selection.
NUMBER OF OUTPUTS:	<ul style="list-style-type: none"> ● 5 stereo or 10 mono (XLR-3-32).
OUTPUT IMPEDANCE:	<ul style="list-style-type: none"> ● 75? . Electronically balanced.
OUTPUT LEVEL:	<ul style="list-style-type: none"> ● 0 dBv. nominal / +26 dBv. maximum (XLR-3-32).
OUTPUT GAIN/ATTENUATION:	<ul style="list-style-type: none"> ● +6/-? dB. Level control via calibrated rotary potentiometer.
C.M.R.R.:	<ul style="list-style-type: none"> ● Greater than 65 dBv. (20 Hz - 20 KHz).
NOISE:	<ul style="list-style-type: none"> ● Less than -98 dBv. at any output, from 20 Hz to 20 KHz, unweighted. ● E.I.N. 110 dBv. Mic input, 200 ? source impedance.
FREQUENCY RESPONSE:	<ul style="list-style-type: none"> ● 20 Hz to 40 KHz (+0, -0.5 dB).
CHANNEL SEPARATION:	<ul style="list-style-type: none"> ● Greater than 70 dB. (20 Hz - 20 KHz).
INDICATORS:	<ul style="list-style-type: none"> ● CLIP red LED (two per stereo input and output). ● SIGNAL green LED (two per stereo input and output). ● 5 LED's stereo Vu-meter, switchable between inputs and outputs. ● Vu-meter visualization selector (8 LED's).
MONITORING:	<ul style="list-style-type: none"> ● Headphones output, Jack 1/4". ● Miniature stereo speakers (maximum SPL 85 dBA).
DISTORTION:	<ul style="list-style-type: none"> ● Less than 0.01% at 0 dBv. (20 Hz - 20 KHz).
MAINS SUPPLY:	<ul style="list-style-type: none"> ● Selectable between 115 and 230 VAC \pm12%, 50-60 Hz.
POWER REQUIREMENT:	<ul style="list-style-type: none"> ● 30 V.A.
DIMENSIONS:	<ul style="list-style-type: none"> ● 483x44x245 mm. (19" x 1u).
OPTIONS:	<ul style="list-style-type: none"> ● Input and output transformers. ● Equalizer cards (2 per output). ● Plastic or metal (with key) security cover.

* Technical specifications are subject to variation without previous notice.