



The Dwight Cavendish Audio Level Adjust VP-710-01 is a five group audio switch/mixer designed for use with videocassette duplicators where master tape audio signals need moving, mixing, matching, mono-ing or level adjusting. By flexible switching of input stereo channels they can be reversed, mixed or re-routed to one or both channels and the audio level on each channel can be individually adjusted.

The module will accommodate five stereo audio inputs, either balanced or unbalanced. The level of each channel can be adjusted and displayed on an LED bargraph display, allowing up to ten channels (five stereo) of continuous PPM monitoring. Ten levels of audio are visible on the bargraph and, by use of a master meter sensitivity selector, the measurement range will be from +20dBm to -27 dBm. All audio outputs are balanced.

The module includes a 1kHz calibration tone signal for system test and level balancing.

The unit offers professional specifications of frequency response, crosstalk and headroom and provides a gain of +9dB.

In operation the module allows reversal, transposition, mixing, or deletion of channel 1 and channel 2 or boosting by +9dB. Unbalanced inputs can be converted to balanced inputs and stereo inputs can be checked for phase reversal.

FEATURES

- Flexible signal switching – input stereo channels can be reversed, mixed or rerouted to both or individual channels
- 5 audio stereo inputs – balanced or unbalanced
- 2x5 audio stereo outputs with individual channel level adjustment
- 5 sets dual bargraph peak programme meter PPM display
- 10 channels of continuous PPM monitoring
- PPM incorporates a precision full-wave peak detector
- 8 meter sensitivity ranges (-12dBu to +8dBu), measurement range +20dBu to -27dBu
- 1kHz calibrated tone signal
- Professional performance specifications throughout
- Dynamic range 120dB
- Crosstalk between audio groups 100dB 20Hz to 20kHz
- >+27dB headroom
- Flat frequency response ± 0.1 dB, 20Hz to 20kHz
- Signal to noise ratio >120dB (ref +24dBu), 20Hz to 20kHz
- Compact module only 3.5 inches (2u) height and standard 19 inch rack mount
- XLR input connectors, locking 5-pin DIN output connectors

Dwight Cavendish



SPECIFICATION

Audio stereo inputs (five)

Impedance: 44 kohm, differential balanced (or 22 kohm unbalanced)

Level: +27dBu max

Common mode rejection: >70dB, 20Hz to 20kHz

Audio stereo outputs (2x five)

Impedance: 600 ohm, electronic balanced

Level: +29dBu into 20kohm; +23dBm into 600 ohm

Performance

Gain: +9dB with output level adjust at max position (load=20kohm)

Frequency response: ± 0.1 dB, 20Hz to 20kHz

Total harmonic distortion: <0.05% at +24dBu, 20Hz to 20kHz

Signal to noise ratio: >120dB (ref+24dBu), 20Hz to 20kHz, unweighted

Dynamic range: 120dB

Headroom: +27dB with unity gain and signal at 0dBu:

+21dB with mix switch selected on

Crosstalk between audio groups: 100dB 20Hz to 20kHz

Stereo Crosstalk: 86dB, 1kHz

Tone output (sine wave)

Frequency: 1kHz $\pm 10\%$

Level: 0dBu/+20dBu, ± 0.2 dB, switchable

Impedance: 200 ohm, balanced

Distortion: 0.3%

Bargraph monitoring (ten)

Number of level steps: 10 x 3dB

Position of monitor: output level (after output level control)

Type: Precision full wave peak (PPM)

Reference level: -12, -6, 0, +1, +2, +4, +6, +8 dBu

Accuracy: ± 0.5 dB with output total load >20kohm

Measurement range: +20dBu to -27dBu

Connectors

Audio stereo inputs: XLR female

Audio stereo outputs: locking 5 pin DIN (balanced), CH1 pin 1 & 3, CH2 pin 4&5, GND pin 2

Tone output: XLR male

Power: 6A, IEC

General

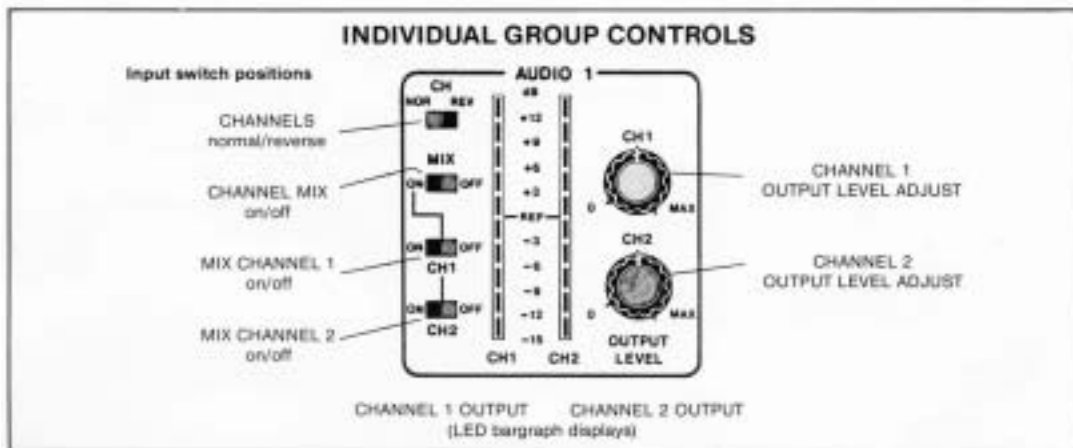
Power input: 200/260 VAC, 100/130 VAC switchable 50/60Hz

Power consumption: 36w max

Mechanical

Size: 2u (3.5") high x 19" rack mount x 13" deep

Weight: 7kg , 15lbs approx



For further information or to purchase worldwide, contact

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