



The Dwight Cavendish Audio Level Adjust VP-716-02 is a two group (labeled Audio 1 and Audio 2 on the front panel) 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 two stereo audio inputs, either balanced or unbalanced. The level of each channel can be adjusted and displayed on the peak programme meter (PPM) bargraph LED display. Two channels (or one stereo) of PPM monitoring are provided, switchable to select group 1, group 2 or auxiliary outputs.

A gain adjustment of +9dB (balanced input) and +15dB (unbalanced input) is provided for channels 1 and 2. The unit offers professional specifications of frequency response, crosstalk and headroom.

In operation the switching and mixing facilities allow reversing of stereo channels 1 and 2 (on either Audio 1 or 2); either channel can be selected and placed on channel 1 or 2; stereo signals on channels 1 and 2 can be mixed and presented to either or both channels in mono; either channel 1 or channel 2 can be totally deleted. Incoming audio signals with insufficient level can be boosted 9dB; unbalanced inputs can be converted to balanced outputs, and stereo and stereo inputs can be checked for phase reversal.

The versatile unit provides all the channel control needed to allow the duplicator to accommodate almost any audio configuration of master videotapes.

FEATURES

- Flexible signal switching – input stereo channels can be reversed, mixed or rerouted to both or individual channels
- 2 audio stereo inputs – balanced or unbalanced
- Dual bargraph peak programme meter PPM display
- Auxiliary stereo inputs and line-outs
- Additional group 1 and 2 line-outs for extra monitoring
- XLR balanced input connectors, locking 5-pin DIN output connectors
- Professional performance specifications throughout
- Dynamic range 108dB
- Crosstalk between audio groups 90dB 20Hz to 20kHz
- 24dB headroom
- Flat frequency response ± 0.2 dB, 20Hz to 20kHz
- Signal to noise ratio >108dB (ref +24dBu), 20Hz to 20kHz
- Compact module only 1.75 inches (1u) height and standard 19 inch rack mount

Dwight Cavendish



SPECIFICATION

Audio 1 and Audio 2 channels

Balanced input: impedance >40kohm, differential, max level +25dBu, common mode rejection >40dB

Unbalanced output: impedance 47kohm, max level +19dBu

Output: impedance 540ohm, electronic balanced, max level +25dBu into >20kohm load

Max gain: +15dB (unbalanced input)
+9dB (balanced input)

Crosstalk (audio 1 to audio 2): 90dB 20Hz to 20kHz

Stereo Crosstalk: 86dB, 1kHz

AUX input

Impedance: 47kohm, unbalanced

Gain (AUX input to LINE outputs): internally adjustable, -12dB to +20dB factory set to unity

Max level: +19dBu (unity gain)

LINE output 1-2 and 1-2 AUX

Impedance: 270ohm, unbalanced

Max gain: +9dB unbalanced input (Audio 1 or 2)
+3dB, balanced input (Audio 1 or 2)

Max level: +19dB

Performance

Frequency response: ± 0.2 dB, 20Hz to 20kHz

Signal to noise ratio: 108dB (ref+24dBu), 20Hz to 20kHz, unweighted

Total harmonic distortion: <0.05% 20Hz to 20kHz

Headroom: +24dB with unity gain and signal at 0dBu

LED Bargraph monitoring (two)

Number of level steps: 10

Position of monitor: output of LINE 1-2 or LINE 1-2 AUX

Type: Precision half wave peak (PPM)

Measurement range: +6dBu to -24dBu

Attack time: 2ms

Decay time: 300ms

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

Audio unbalanced inputs and outputs: RCA phono

Power: 6A, IEC

General

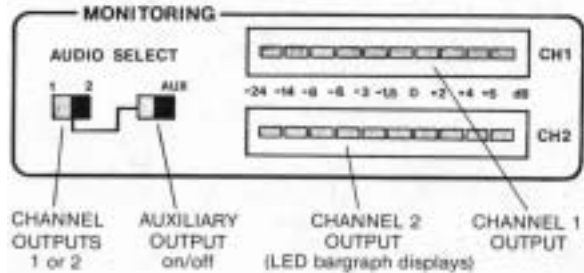
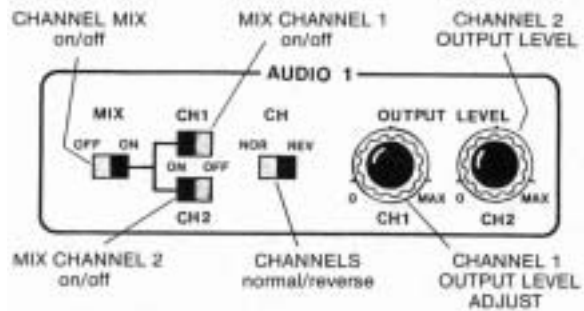
Power input: 200/260 VAC, 100/130 VAC switchable
50/60Hz

Power consumption: 5w approx

Mechanical

Size: 1u (1.75") high x 19" rack mount x 6.5" deep
Weight: 3kg, 7lbs approx

INDIVIDUAL GROUP CONTROLS



For further information or to purchase worldwide, contact

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