

DWIGHT CAVENDISH

VS-628-09

STEREO AUDIO MONITOR

USER HANDBOOK

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1. INTRODUCTION

The Dwight Cavendish Stereo Audio Monitor VS-628-09 is a four input selectable signal monitor, designed for use with Video Cassette Duplication systems, requiring comparisons of master and slave audio signals. One pair of VU meters are connected to Input 1, this would normally be the input from the Master machine, selected by an input monitoring switcher. The other pair of VU meters are input selectable between the four inputs. Slave audio signals could be connected to inputs 3 or 4 from a slave monitoring system.

With systems using separate Hi-Fi and Linear signals, inputs 1 and 2 could be used for master signals and inputs 3 and 4 for slave signals.

All four inputs to the module are provided with a choice of connector types XLR, 5 pin DIN and switchable to Phono CH1 and CH2.

The built in loudspeaker, outputs the signal from input selected by the Input Select switches. The Channel Select switches are used to select either CH1, CH2 or a mix of both signals.

2. USER CONTROLS

2.1 Input Select Switches

These four switches are used to select which audio input signal is required to be output on the loudspeaker or Ext. output connectors. The corresponding red LED will light on the input selected. The signal will also be shown on the INPUT SELECT VU meters.

2.2 Channel Select Switches

The three switches are used to select which of the stereo channels, from the Selected Input, is switched to the speaker and headphone socket CH1 or CH2 or a mix of both. The corresponding green LED will light.

2.3 Mute Switch

This switch is used to switch off the speaker rather than reducing the volume level. When in Mute the green LED for channel selected will go out.

To switch the speaker back on select CH1, CH2 or MIX.

2.4 Vol +/- Switches

These switches are held down to increase VOL + or decrease Vol - the output volume of the speaker, headphone socket and LINE OUTPUT for EXT.SPEAKERS.

2.5 Ext. Speakers BAL L/R Switches

The Left and Right balance switches are only used when external speakers and power Amp are being used to give a true stereo image.

3. VU METERS

3.1 Input 1 Ch1/Ch2

The Input 1, Ch1 and CH2 VU meters are connected to Input 1 only and therefore give a continuous monitoring of stereo channels 1 and 2 for Input 1. Normally on a Video Duplication System there is a source monitor switcher which can be switched to a number of master machines to select Video and Audio signals for pre-duplication tests, the video will go to a source video monitor and the audio will be plugged into Input 1 of the VS-628-09. Selecting Input1 on the Input Select Switches allows this input to be switched to the speaker.

3.2 Input Select Ch1/Ch2

These VU meters can be switched to monitor any of the 4 inputs, in position 1 they will show the same signal as the Input 1 meters.

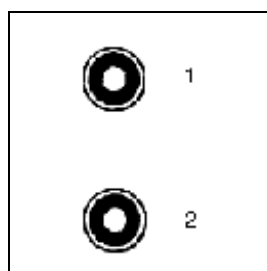
On a Video Duplication System with slave monitoring, any one of the slave machines can be selected so that its video and audio signals return to the control cabinet, the video goes to a slave video monitor for comparison and checking and the audio will be plugged into the VS-628-09 in Input 2, 3 or 4.

4. CONNECTORS

4.1 Audio Inputs 1, 2, 3 and 4

Each of the four inputs has a selection of connector types available to be used but only one type should be used on each input. Balanced audio can be plugged in on either the two XLR female connectors CH1 and CH2 or on the 5 pin locking din connector which has both CH1 and CH2 balanced signal on the same connector.

Phono sockets



5 PIN locking DIN connector (180 deg)

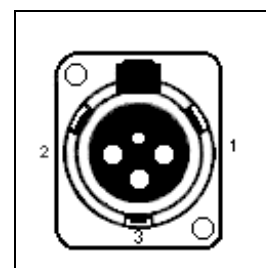


Switch
|
LIN-BAL

CH1 Input - Pin 1 and 3
CH2 Input - Pin 4 and 5
PIN 2 is Ground (OV)

XLR Socket for CH1 and CH2

Pin 1 is ground
Pin 2 & 3 Sig



Unbalanced signals are plugged into the CH1 and CH2 phono sockets. The small toggle switch is used to select the required input Linear or Balanced.

4.2 Line Output Ext Speakers

These two phono connectors for CH1 and CH2 are used to take the selected Input signal via a suitable power amplifier to External Speakers if a true stereo image is required from the selected inputs, rather than using the modules own in-built speaker. The mute switch can be used to turn off the modules speaker. The volume output to the speakers can be adjusted using the +/- switches and balance can be adjusted using the L/R Balance control switches.

4.3 Line Output Ext Meter

The CH1 and CH2 phono connectors are provided to give outputs to a PPM module where VU meters are not required. They provide the selected input signal 1 to 4, their output level is independent of the volume control setting.

4.4 Headphone Socket

The phones socket is provided for stereo headphones, when plugged in they automatically switch off the speaker.

