

Digital Audio Monitor Unit SC1D

Description

The SC1D Digital Audio Monitor is a compact, 2U, 19", rackmount unit with integral mains power supply. Allowing both aural and visual monitoring of several analogue or digital audio sources. It is an essential part of all audio installations, particularly useful where there is a mix of analogue and digital audio.

Features:

Inputs - 6 audio inputs (AES/EBU, SPDIF, balanced or unbalanced analogue audio) via rear panel XLRs or a 56 way Varicon connector. If digital audio is connected to the left input, this is automatically detected and the output of a 24 bit D-to-A decoder is fed to the monitor circuit. The presence of a valid digital signal is indicated by a 'lock' LED, two more LEDs indicate sample rate 48 or 44.1kHz (both LEDs light for 32kHz), a fourth LED indicates digital signal errors. The selected source is monitored on a 48 LED twin bargraph PPM which gives 1dB/LED resolution over a ± 12 dB range. A bicolour LED in the PPM display indicates correct phase relationship between the two signals.

Output - Balanced analogue output of monitored source

Loudspeakers - Two inbuilt, high quality loudspeakers provide aural monitoring of the selected source. The speakers are mounted in an infinite baffle system and are equalised to give the maximum output range. The loudspeakers have a front panel volume control and can be muted by external contacts.

Headphones - A front panel socket also allows headphone monitoring. When the headphones are plugged in, the speakers are muted and the speaker equalisation circuit is bypassed. The headphone volume is controlled by the same volume control as the speakers.

Test Inputs - Front panel A/B gauge jack sockets provide an additional monitoring input, which is useful when the unit is mounted near a patch bay. The test inputs break away the source selected by the switches.

Connectors - Rear panel XLR and 56 way female Varicon, $\frac{1}{4}$ " (A/B gauge) front panel headphone socket

Applications

The SC1D Digital Audio Monitor Unit is an invaluable tool in any area where several sources need monitoring. Particularly, where there is a mix of both analogue and digital sources, or an analogue area where digital may be introduced in the future.

Key Features

Dual Domain Monitor

Auto Detection of Digital Signals

6 Analogue/Digital inputs

LED Bargraph PPM

Inbuilt stereo speakers

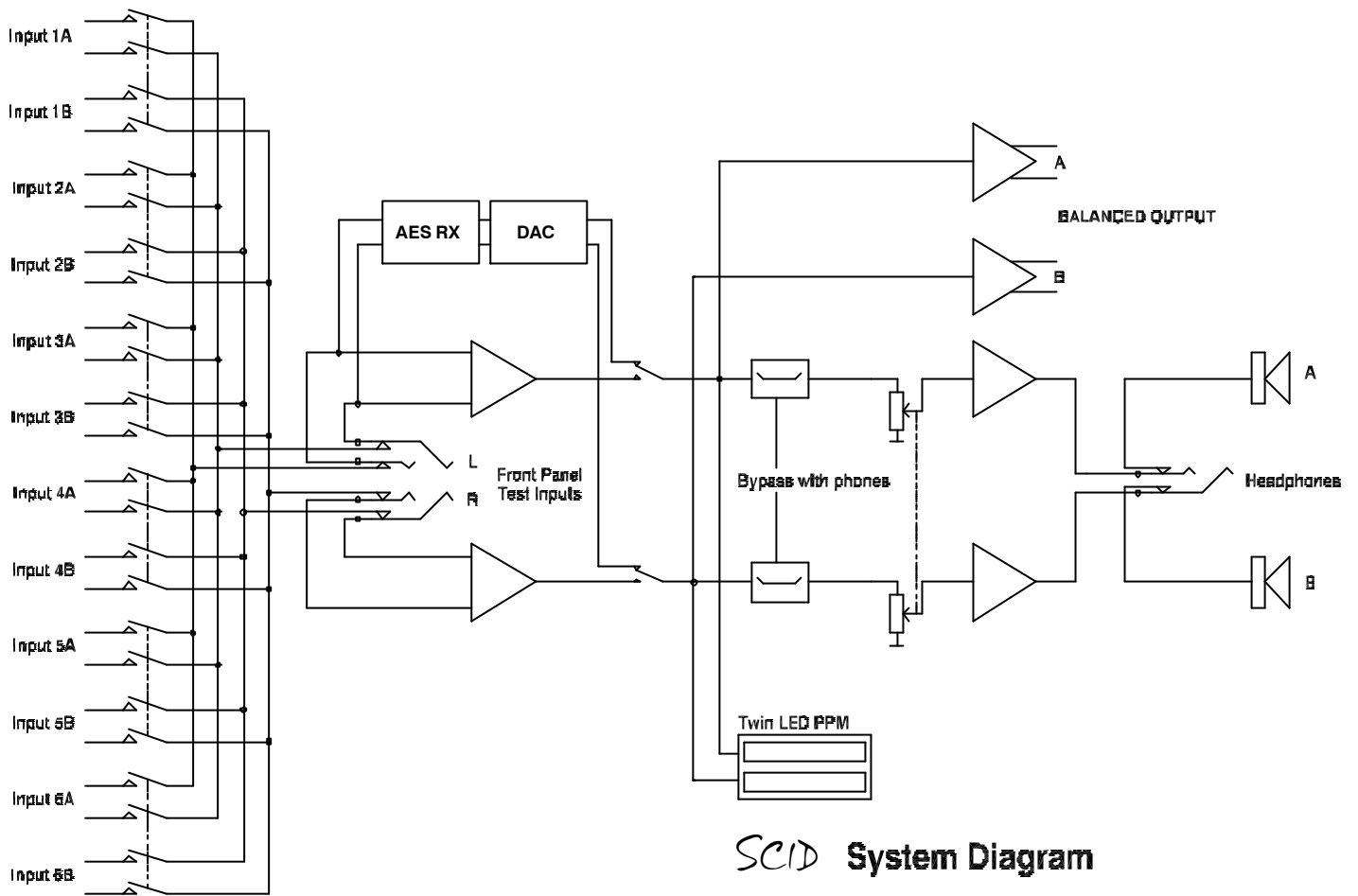
Headphone O/P



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Technical Specifications	
Input Impedance	
Maximum Input	
Loudspeaker Power	
PPM	
Dimensions	
Power	
Weight	

SC1D	
Input Impedance	36k ohms
Maximum Input	+22dBu
Loudspeaker Power	10 Watts per channel
PPM	48 LED, Dual Channel 1dB res
Dimensions	2U (88mm) high, 260 mm deep
Power	220-240v, 30W
Weight	4kg

Specification and designs are subject to change without prior notice for the purposes of improvement. E & OE