

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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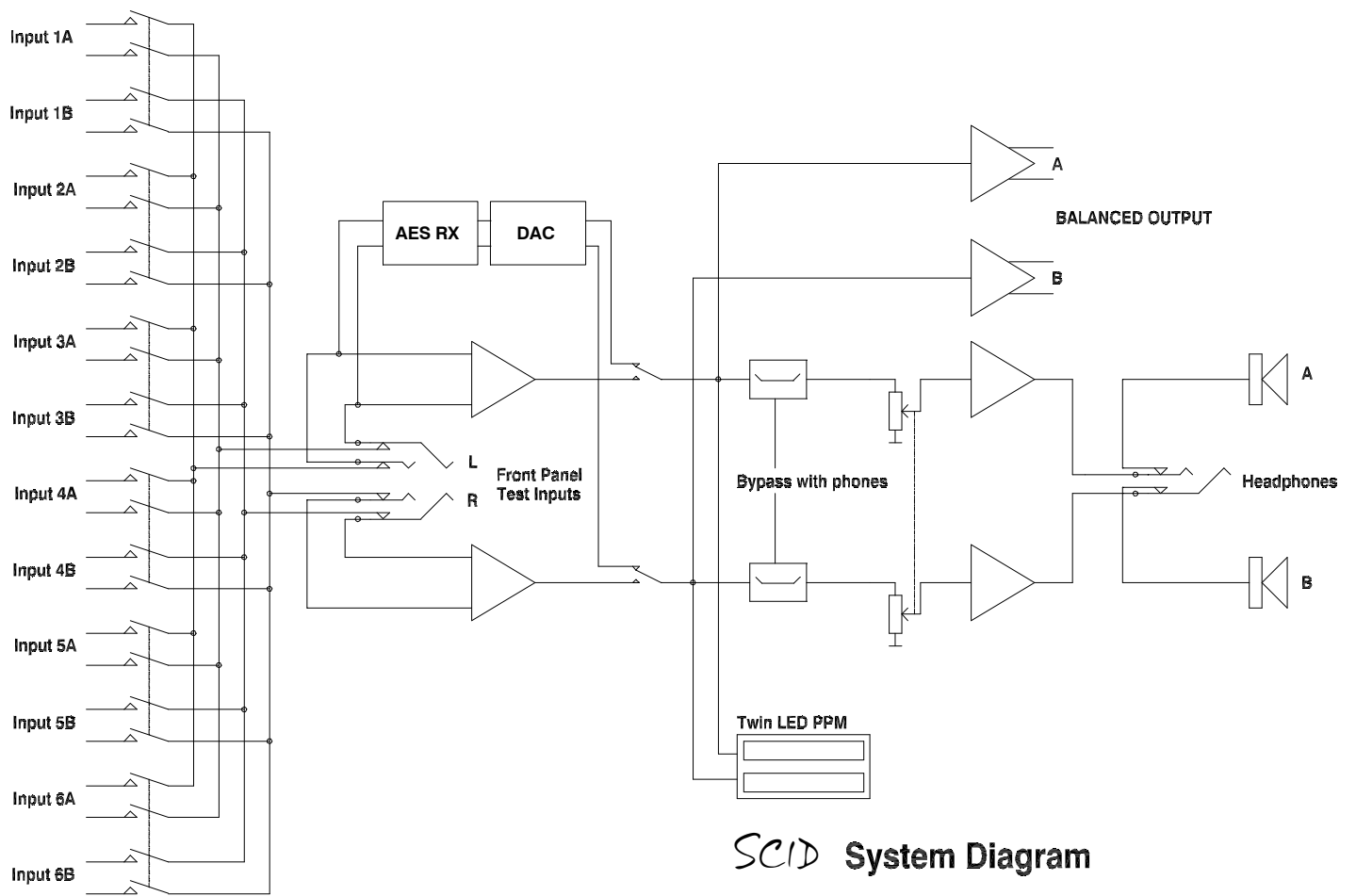
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Technical Specifications

Input Impedance

Maximum Input

Loudspeaker Power

PPM

Dimensions

Power

Weight

SC1D

36k ohms

+22dBu

8 Watts per channel

48 LED, Dual Channel 1dB res

2U (88mm) high, 260 mm deep

220-240v, 30W

4kg