



Introduction

The **HDTV Supply WolfPack 4x4 Digital Audio Processor 1U Chassis** series uses several core technical features that allow audio engineers to do their work better.

DSP based remote audio hardware is routing and processing controlled through a computer.

The manual mainly introduces the technologies needed to achieve this goal. DSP Controller is a Windows-based application that configures and controls DSP hardware.

DSP Controller Built-in 16 presets, each preset can be flexibly designed processing modules and order according to the requirements of designers. After the design is completed, you only need to save, and can be used all the time.

DSP Controller The built-in processing module order and parameters are in line with most application scenarios, and can be easily used without any changes.

Can support all processing parameter adjustment of all modules and the setting of peripheral accessories, such as RS232, RS485, drag panel configuration and Dante network audio control.

Of great interest is the user interface, which allows engineers to create custom interfaces that can be edited by an integrator and operated by field technicians or end users who do not understand the technology.

Advanced security features allow end users to access only the controls allowed by engineers or system designers.

Features

- Processor: ADI SHARC 21489
- Sampling rate/quantization bits: 48K/24bit
- 40bit DSP floating point operation engine
- Number of analog input channels: 4

- Input gain: 0/6/12/18/24/30/36/42/48 dB
- Phantom power: +48V/10mA max
- Frequency response (20~20kHz): ±0.5dB
- Maximum level: +18dBu
- THD+N: 0.002 % @ 4dBu
- Input dynamic range: 110dB
- Output dynamic range: 110dB
- Channel isolation @ 1kHz: 108dB
- Input impedance (balanced connection): 5.4KΩ
- Output impedance (balanced connection): 600Ω
- System delay: <3ms

Specification

Number of GPIO ports and serial ports	RS232*1+RS485*1+GPIO*4
Processor	ADI SHARC 21489
Samplingrate/Quantization Bits	48K/24bit
Input gain	0/6/12/18/24/30/36/42/48dB
Vision power supply	+48V/10mA max
Frequency response (20 ~ 20 KHz)	±0.5dB
Maximum level	+18dBu
THD+N	<-100dB @4dBu
Enter the dynamic range	110dB
Output dynamic range	112dB
Channel isolation degree @ 1 kHz:	108dB
Input impedance (balanced)	5.4KΩ
Output impedance (balanced)	600Ω
System delay	<3ms
working power supply	AC 220V 50Hz
Dimensions (width x depth x height)	19 x 8 x 1.77 Inch
Weight	7 LBS / 9 LBS