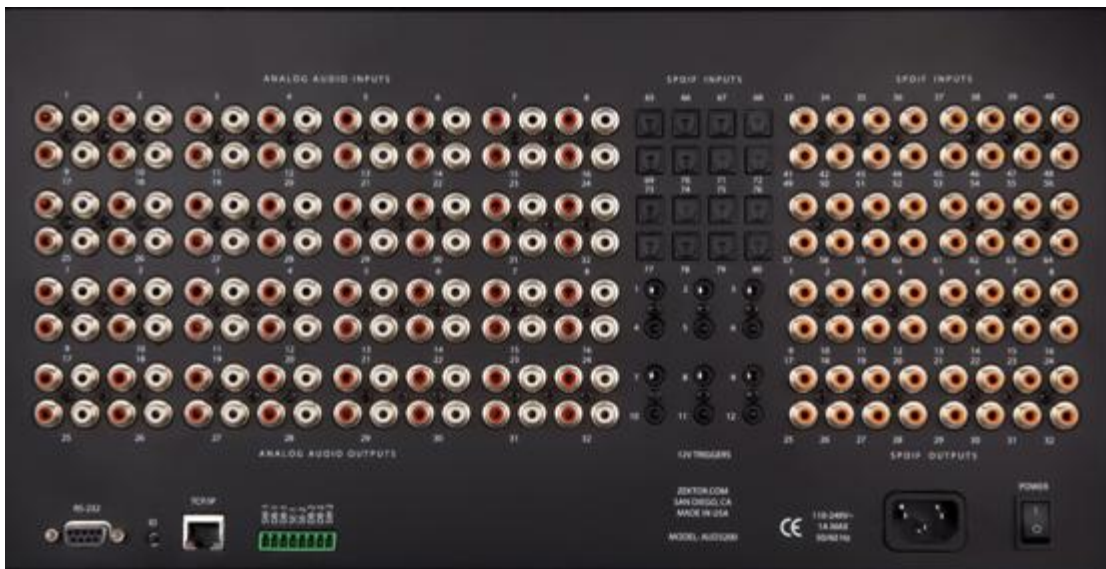




ProAudio™ 32

*DSP Preamp Audio Matrix
Large Scale Audio Distribution*



FCC Class B

VOLUME, BALANCE, BASS, TREBLE AND A 5 BAND GRAPHIC EQUALIZER ON EACH ZONE.

In many cases the need for an audio receiver can be eliminated by using the audio features of the ProAudio™. Audio and tone control are adjustable in 0.5dB steps, and all allow direct or relative adjustments (Ex: Set the volume to an absolute -12.5dB, or increase it by 3.0dB). The tone controls have a range of +/-20dB.

ANALOG AUDIO, DIGITAL AUDIO, OPTICAL AUDIO, ALL AUTOMATICALLY CONVERTED.

It makes no difference whether your audio comes in through the analog inputs, digital coax inputs, or digital optical inputs, all inputs are converted to both analog and digital audio, and analog audio and digital audio are both available on the outputs. Analog is converted to digital, and digital is converted to analog. Optical inputs are available for the newer cable boxes that have only optical connections for their digital audio outputs.

Note: The ProAudio™ does not down convert DTS or 5.1 Dolby audio. When DTS or 5.1 Dolby audio is detected, it is passed straight through from the S/PDIF input to the S/PDIF outputs.

VOLUME AND TONE CONTROLS WORK ON THE DIGITAL INPUTS AND OUTPUTS.

For the extreme in ultra-quiet audio and lowest possible distortion, you can input and output digital audio, completely bypassing the analog sections. No extra conversions are done, and you still have volume, balance, bass, treble and 5 band equalizer controls available on each zone.

ADJUSTABLE GAIN SETTINGS ON EACH INPUT

To balance the different levels of audio coming from different pieces of equipment, each audio input has a full range gain adjustment. The adjustment range is: +24dB to -99.5dB, or full mute, in 0.5dB increments. You can have separate settings for each input, and a separate setting for analog and digital inputs.

STEREO TO MONO MIX DOWN FOR EACH ZONE

For hallways, and outdoor speakers, where stereo is not particularly useful, each zone can be mixed from stereo to mono using a variety of different methods.

CONTROL DONE RIGHT WITH K.I.S.S.™ (KEEP IT SIMPLE SERIAL™)

Available through the TCP/IP port, or the RS-232 port, Zektor's K.I.S.S.™ is one of the easiest to use, serial port protocols, on the market. Yet the extensive bi-directional command set allows total control over the ProAudio. Easily operate the ProAudio in either a Master / Slave (polled) mode, or a fully Asynchronous (push) mode.

All commands are bi-directional and can be programmed individually to send an immediate update on change, or to internally log their changes to be read later by polling.

By requesting a bitmap of changed parameters, polled commands are made much simpler by allowing you to read only the commands that have changed. There's no need to "dump everything" just to see if a zone had been remapped.



Specifications and features

Physical connections

- 32 inputs of stereo L/R
- 32 inputs of S/PDIF Coax
- 16 inputs of TOSLINK
- 32 Outputs of Stereo L/R
- 32 Outputs of S/PDIF
- 12 Inputs 12V trigger jacks
- Phoenix connector for doorbell

Features

- Lip sync delay- up to 170ms per zone
- Volume Adjustments in .5 db increments
- Bass
- Treble
- 5-band EQ
- Digital to analog conversion
- Input Gain Control -24db to +24db
- Output Gain Control -24db to +24db
- Doorbell feature - output chime to any zone

Analog Audio Specifications

- Freq. Response: 5Hz-20KHz @ +/-0.1dB
- S.N. Ratio: > 85dB, 5Hz-20KHz unweighted
- Input impedance: 10K ohms

Digital Audio Specifications

- S/PDIF Inputs: 32 Coax, 12 Optical (w/ auto conversion)
- S/PDIF Outputs: 32 Coax
- Transfer Rates: 13.2Mb/S
- Audio Modes: PCM,DD5.1,DTS,All modes
- Coax Input Levels: 200mV-7.0V (PC card compatible)
- Coax Output Level: 500mV nominal into 75 ohms

Power, rack and hardware information

- 4U Rackmount
- IEC power connection
- Auto ranging power supply 110V / 240V
- Dimensions: (4U) 17"(w) x 12"(d) x 7.00"(h)
- Weight: 12 Lbs
- Designed, manufactured, and supported in the U.S.A.

Control

- RS-232 and TCP/IP
- Driver support for all major controller libraries

Warranty

- 3 year parts and labor warranty



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