

Clarity Audio™ 16X16



The Clarity Audio series from Zektor is the most recommended audio switch in the custom installation market.

Best in class features

Audio

- **Volume, Balance, Bass, Treble and 5 Band Equalizer** control of **analog AND digital** audio.
- Volume range: +24dB to -99.5dB, and full mute (-115dB), with 0.5dB step resolution.
- Master volume to control all zones simultaneously (+24dB to -99.5dB), and full mute.
- **Follow Me Fading:** Allows smooth cross fading from one zone to another.
- Tone / EQ ranges: +20dB to -20dB, with 0.5dB step resolution.
- Gain settings (+/-24dB) for each input, separate gains available for digital and analog.
- Zone settings (+/-24dB) for each zone.
- **Optional lip sync delay** from 0 to 170ms, per zone and/or per input.
- **Audio format conversion:** Analog audio is automatically converted to digital audio, digital audio is automatically converted to analog audio.
- Both analog and digital audio is available simultaneously on the outputs.
- 8 coax digital inputs and 8 optical digital inputs w/auto conversion to coax, and analog audio, for easy integration with cable boxes.
- Doorbell input

Control

- TCP/IP, Bi-directional RS-232 and RS-422, Rear panel IR jack.
- TCP/IP and RS-232 / RS-422 share the same protocol. Protocol allows for polled or push update modes. Polled or push update modes are settable on a command by command basis.
- Over 350 discrete IR codes!
- Control4® SDDP network ready



Certified



2 way driver



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Analog Audio

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

Digital Audio

S/PDIF Inputs: 8 Coax, 8 Optical (w/ auto conversion)
S/PDIF Outputs: 8 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

Control

IR Sensor: Modulation Frequency: 34KHz-42KHz
IR Jack: 3V-15V any polarity, mod. or un-mod.
(IR jack is opto-isolated)

Serial Port: 19200 or 9600 8N1, USB Cable
Compatible
K.I.S.S.™, Upgradable Firmware
TCP/IP: Full Duplex 10Mbps
K.I.S.S.™, Raw TCP/IP Socket

Power

Power Req.: 32 Watts
Mains Voltage: 100V-240V, 50Hz-60Hz, auto-sensing
Power Supply: Standard 3 prong IEC C14 connector
Dimensions: 17"W x 9.75"D x 3.375"H (feet add 0.25")

Mechanical

2U
17" rackmount chassis
Integrated rack ears

Warranty

3 year advanced shipment



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