



***ProAudio 16™  
(48X32)***



***DSP preamp audio matrix  
comparison chart and  
advantages to***



***Control4® / Triad 24X24***



FEATURES	Pro Audio™ 16X16	TS-AMS24	BENEFITS
<b>TRUE NUMBER OF USABLE INPUTS AND OUTPUTS AT ONE TIME</b>	16 stereo L/R- In 16 optical- In 16 S/PDIF- In 16 stereo L/R- out 16 coax digital- out	16 stereo L/R- in 8 optical- in or <b>OR</b> 8 S/PDIF- in 24 analog- out	All inputs and outputs on the ProAudio 16 are usable. The “24X24” is really an 8X24 <b>Zektor is a far better value</b>
<b>Analog Inputs</b>	16 stereo L/R	16 stereo L/R	
<b>S/PDIF Inputs</b>	16	<b>8</b>	Only 8 and it’s either
<b>Optical Inputs</b>	16	<b>8</b>	Only 8 and it’s either
<b>Analog Outputs</b>	16 stereo L/R	24 stereo L/R	8 additional for C4/Triad
<b>Digital Outputs</b>	16 S/PDIF	<b>NONE</b>	Zektor can pass Dolby 5.1 / DTS 5.1, C4 can’t
<b>LIP SYNC DELAY</b>	YES, Up to 170ms per zone	<b>NONE</b>	<i><b>This is a critical missing feature by C4 / Triad</b></i>

### NEW FEATURES

<b>SUBWOOFER OUTPUTS</b>	YES, ANY	<b>YES, NO FILTERS</b>	Highly requested feature from all C4 dealers
<b>SUBWOOFER LEVEL CONTROL</b>	YES	<b>NO</b>	Zektor can phase invert output by 180°
<b>SUBWOOFER FILTER SETTINGS</b>	<b>Low pass and high pass filters</b> adjustable from 50Hz to 300Hz.	<b>NONE</b>	Highly requested feature from all C4 dealers
<b>SUBWOOFER SLOPE SETTINGS</b>	<b>Selectable 12db / 24db per octave slopes</b> with Butterworth or Linkwitz-Riley filters	<b>NO</b>	Highly requested feature from all C4 dealers
<b>LOCK MULTIPLE ZONE GROUPS</b>	<b>YES</b>	<b>NO, SINGLE ZONE ONLY</b>	Highly requested feature from all C4 dealers
<b>LOUDNESS CONTROL</b>	<b>YES</b>	<b>YES</b>	Highly requested feature from all C4 dealers
<b>DRIVE COMPATIBLE AMPLIFIERS IN BRIDGE MODE</b>	<b>YES</b>	<b>NO</b>	Highly requested feature from all C4 dealers

<b>LIP SYNC DELAY</b>	YES, Up to 170ms per zone	<b>NONE</b>	<b><i>This is a critical missing feature by C4 / Triad</i></b>
<b>Volume Control</b>	Yes, 0.5db <i>with ramping</i> Mute (-110 dB) to -99.5 to +24 dB	Yes, 0.5 Mute (-75 dB) to -40 to +8 dB	C4 finally copied Zektor to include .5 db adjustments.
<b>Bass</b>	YES -20db to +20db 0.5db steps	Yes, limited to -12 to +12 dB, 2 dB steps	C4 Only available when EQ is not in use. Zektor always available.
<b>Treble</b>	YES -20db to +20db 0.5db steps	Yes, limited to -12 to +12 dB, 2 dB steps	C4 Only available when EQ is not in use. Zektor always available.
<b>Equalizer</b>	YES, 5 band	<b>Yes</b>	C4 must give up tone control if EQ in use. Zektor always available
<b>Triad Speaker Presets</b>	Yes	Yes	Zektor has integrated presets to match Triad speakers
<b>Input Gain</b>	YES, -24db to +24db	Yes, but smaller range 0db to +12db	C4 smaller range
<b>Output Gain</b>	YES, -99.5db to +24db	<b>NONE</b>	C4 no output gain
<b>Independent Zone Control</b>	YES, all features	Yes	Zektor highly featured
<b>D/A Conversion</b>	YES	Yes	
<b>Universal volume adjust</b>	YES	<b>NONE</b>	
<b>Universal mute</b>	YES	<b>NONE</b>	
<b>Mono mix down</b>	YES, All Left / All Right / Stereo Mix Down / L-R	<b>MONO Output ONLY</b>	Zektor has input and output mono mixdown. C4 only has output
<b>Left / Right channel polarity control</b>	YES	<b>NO</b>	Invert left or right channel or both
<b>Doorbell / Paging</b>	YES	Control via Director	C4 is very slow / Zektor is immediate
<b>Doorbell Front and Rear Call</b>	YES	Control via Director	Zektor ability call a different audio source for different entrances
<b>Voltage Output to amplifiers</b>	2 Vrms	2 Vrms	

FEATURES	Pro Audio™ 16X16	TS-AMS24	BENEFITS
RS232	YES	NONE	Zektor provides an option for both
SDDP	YES	Yes	Zektor was the first matrix manufacturer to get SDDP working (even before C4)
110V to 230V power supply	YES	Yes	
Chassis	2U	2U	
Front panel	LED indicators	LED indicators	
Control4 Dealer Cost	-	\$1275	
Dealer Cost	\$1,298.00	-	Lip sync version
Warranty	3 year advance replace	2 years	Zektor provides an additional year of warranty support

### Key Takeaway's

#### •FIVE NEW FEATURES!

- Loudness control
- Lock multiple zone groups
- Subwoofer control
- Subwoofer control features: Low pass and high pass filters adjustable from 50Hz to 300Hz.
- Selectable 12db / 24db per octave slopes with Butterworth or Linkwitz-Riley filters
- Selectable polarity for each channel
- Ability to drive compatible amplifiers in bridge mode

#### •Zektor has the best audio features in any DSP preamp matrix. We are starting to approach sound processor features

- Field proven, rock solid reliability
- Once you use this product you will never look back
- Always competitive pricing
- Great margin and no Internet resellers to worry about
- Seamless Control4® integration. Zektor was the first company to get SDDP working in a matrix. Our engineers at experts at LUA and write all drivers in house.
- Zektor and the ProAudio™ is widely spoken about, endorsed and recommended to peers on forums such as Control4®'s forums, Integrationpros.org, Remotecentral.com and others