



ProAudio 16™ (48X32)



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



Control4® / Triad 24X24



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

NEW FEATURES

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

LIP SYNC DELAY	YES, Up to 170ms per zone	NONE	<i>This is a critical missing feature by C4 / Triad</i>
Volume Control	Yes, 0.5db <u>with ramping</u> 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.
Bass	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.
Treble	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.
Equalizer	YES, 5 band	Yes	C4 must give up tone control if EQ in use. Zektor always available
Triad Speaker Presets	Yes	Yes	Zektor has integrated presets to match Triad speakers
Input Gain	YES, -24db to +24db	Yes, but smaller range 0db to +12db	C4 smaller range
Output Gain	YES, -99.5db to +24db	NONE	C4 no output gain
Independent Zone Control	YES, all features	Yes	Zektor highly featured
D/A Conversion	YES	Yes	
Universal volume adjust	YES	NONE	
Universal mute	YES	NONE	
Mono mix down	YES, All Left / All Right / Stereo Mix Down / L-R	MONO Output ONLY	Zektor has input and output mono mixdown. C4 only has output
Left / Right channel polarity control	YES	NO	Invert left or right channel or both
Doorbell / Paging	YES	Control via Director	C4 is very slow / Zektor is immediate
Doorbell Front and Rear Call	YES	Control via Director	Zektor ability call a different audio source for different entrances
Voltage Output to amplifiers	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