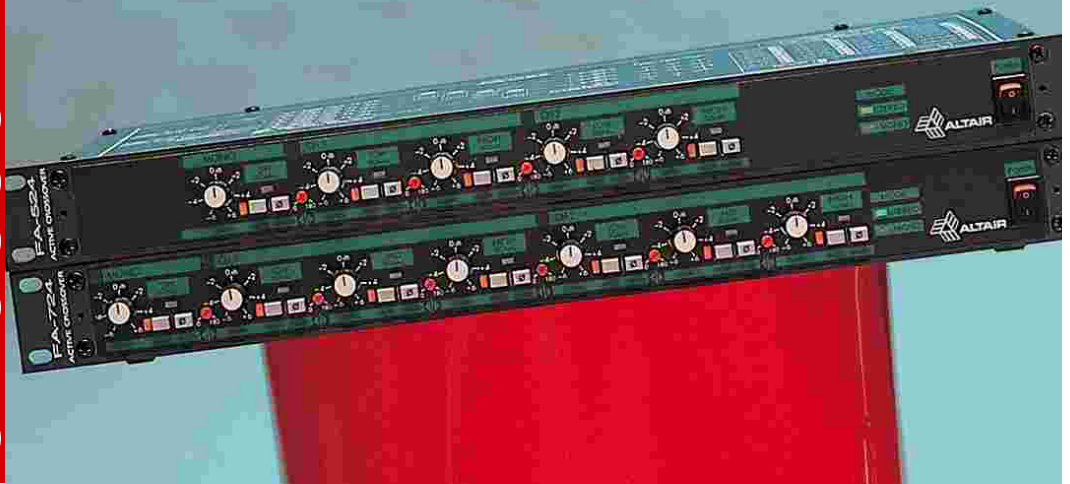


FA-524/FA-724



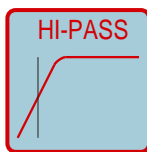
The Ultimate in Analogic Processing

The active crossovers FA-524/ 724 has been designed in order to offer maximum flexibility and adaptability. The use of selectable and plug-in cards allow to personalize any loudspeakers' system by the manufacturer or the specialized user.

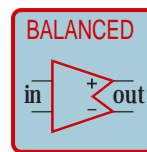
These units allow the insertion of future improvements as change of power amplifiers, number of ways, loudspeakers, tweeters replacement or any other imposed parameter for technical up-dating.

FA-524: 2 way stereo + subwoofer mono way; 3, 4 or 5 way mono.

FA-724: 3 way stereo + subwoofer mono way; 4, 5, 6 or 7 way mono.



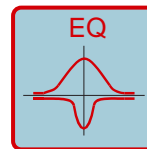
HI-PASS: Input high pass filter used as subsonic filter or for special realizations.



BALANCED: Equipped with electronic input and output balanced circuits for noise immunity in long wiring set-ups.



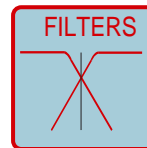
PHASE: Phase adjust between ways from 0° to 360°. In the subwoofer way allows delay alignment up to 6 ms (two meters) with respect to the low way from the front panel.



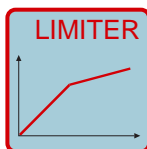
EQ: Two fully parametric equalization points on each way in order to correct the frequency response and personalize the equipment.



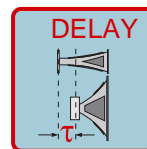
MUTE: Automatic mute when switching on (all ways) and partial mute of ways from the front panel.



FILTERS: Selectable, overlapping or symmetric filters, Linkwitz-Riley type.

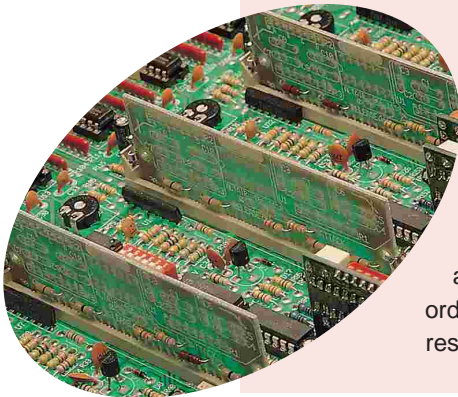


LIMITER: Limiter circuit with adjustable threshold on each way. These limiters will lengthen notably loudspeakers' life without appreciable deterioration of sound quality.

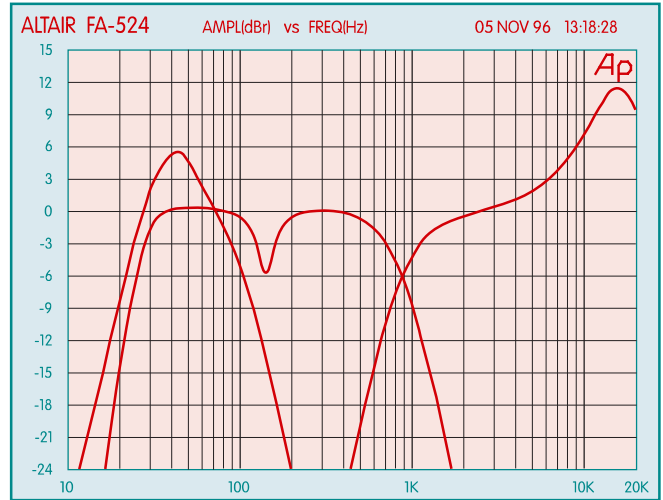


DELAY: When the phase differences are very great or irregular, the use of the delay on each way is the only tool to obtain coherence of phase between the loudspeakers or arrays.

EXAMPLE OF SPECIAL CONFIGURATION:



Crossover FA-524 setup as two stereo ways with frequency cut at 820 Hz., plus subwoofer. One equalization point each way: Subwoofer with a 6 dB boost at 45 Hz, Low with a 6 dB attenuation at 150 Hz in order to cancel the cabinet resonance and High with a 12 dB boost at 15 KHz.



VISTA POSTERIOR FA-524/724

TECHNICAL SPECIFICATIONS

INPUT IMPEDANCE:	10 K Ω . Electronically balanced	PHASE:	Change of 180° via the polarity switch. Adjustable from 0° to 180° between ways via calibrated potentiometer
INPUT LEVEL:	0 dBv. nominal / +21 dBv. maximum (XLR-3-31)	CROSSTALK:	-70 dB., from 20 Hz to 20 KHz.
GAIN/ ATTENUATION:	+ 6 dB. Level control via calibrated rotatory potentiometer	MAINS SUPPLY:	Selectable between 115 and 230 VAC 42%, 50-60 Hz.
OUTPUT IMPEDANCE:	100 Ω . Electronically balanced	POWER REQUIREMENT:	30 V.A.
OUTPUT LEVEL:	0 dBv. nominal / +21 dBv. maximum (XLR-3-32)	NET WEIGHT:	4 Kg.
FILTERS:	24 dB/octave LINKWITZ-RILEY type	DIMENSIONS:	483 x 45 x 245 mm. (19" x 1u)
CROSSOVER FREQUENCIES:	Selectable by plug-in card Factory preset frequencies: SUBWOOFER: 82Hz, 100Hz, 120Hz and 150Hz. OTHER WAYS: 100Hz, 120Hz, 150Hz, 180Hz, 220Hz, 270Hz, 330Hz, 390Hz, 470Hz, 560Hz, 680Hz, 820Hz, 1KHz, 1K2, 1K5, 1K8, 2K2, 2K7, 3K3, 3K9, 4K7, 5K6, 6K8 and 8K2.	OPTIONS:	FREQUENCY CARDS: Other frequencies than the listed ex-works can be obtained as options. Contact the commercial department DELAY CARDS: 2 ms. (70 cm.) Up to 2 KHz. 500 s. (17 cm.) Up to 8 KHz. EQUALIZER CARDS: Selectable gain between 1 dB and + 15 dB in 1 dB steps Selectable center frequency between 25 Hz and 20 KHz, 1/3 octave step (ISO standard) Selectable Q (bandwidth) between 0,1 and 10
LIMITER:	Adjustable inside by 1 dB. steps, between+ 15 dBv. Attack and release time optimized for each frequency card Compression ratio 10:1	* Technical specifications are subject to variation without previous notice	
NOISE:	-92 dBv. at any output, from 10 Hz. to 20 KHz. unweighted		
INDICATORS:	MUTE red LED on each way Tricoloured LED on each way: GREEN (-20 dBv.) ORANGE (LIMITER THRESHOLD) RED (+15 dBv.) MONO green LED STEREO green LED	DISTRIBUTED BY	
DISTORTION:	Less than 0.05% at +4 dBv. with limiter		