## **Main features**

- Ideal for live recording with machines D2424/D1624
- High quality 8ch AD converter for adding an additional 8 analog inputs to D1624 via ADAT and an additional 8 (total 16 additional) to D2424 with optional Model 5045
- Can also be used to add useful analog inputs to PC based digital recorders
- ADAT / S/P DIF selectable optical output
- Selectable unbalanced / balanced inputs (-10dBV / +4dBu), input reference level selectable (-12, -18, -20dB).
- 4 digital output formats: 24-bit / 44.1kHz, 24-bit / 48kHz, 24-bit / 88.2kHz (S/P DIF), 24-bit / 96kHz (S/P DIF)
- Word I/O for sync
- Utilizes the same high quality 24bit AD/DA converters as the Fostex D-Series recorders (AD: AK5393)
- With optional Model 8355 AES/EBU card, 8 analog inputs can be converted into 8 channels of 24-bit / 96kHz digital audio
- Easy to use front panel controls





The new 8 channel Fostex AC2496 Analog to ADAT / S/P DIF converter offers users of Fostex Digital Multitracks the flexibility of more analog inputs.

This is particularly useful in a 'live' recording application where the number of simultaneous recording tracks (from analog sources) can be maximized. And in the case of the

D2424, that means recording on all 24 tracks simultaneously (with optional Model 5045). Each analogue input can accommodate balanced or unbalanced signals, with 4 digital output formats available.

Options include Model 8355 AES/EBU Card (to enable 8ch recording in 24-bit/96kHz), and Model 5045 8ch AD Card . (see below).



FOSTEX



**4 DIGITAL FORMATS** In addition to the 24bit / 96kHz capability, the AC2496 features 3 other digital formats (24bit / 44.1kHz, 24bit / 48kHz and 24bit / 88.2kHz), making it incredibly flexible in operation.





						Oversampling
<ul> <li>1. Word Clock control Off / 0n</li> <li>2. Word Clock control Internal / External</li> <li>3. Digital format selector: All (4.1, 48/kt/2)</li> <li>4. Bay for adding optional plug-in cards</li> <li>5. By DiF / ADAT optical out</li> <li>5. PD IF / ADAT optical out</li> <li>6. Bay for adding optional plug-in cards</li> <li>6. Bay for adding optional plug-in cards</li> <li>7. B balanced / unbalanced inputs</li> <li>8. SP DIF / ADAT optical out</li> <li>9. Word Sync I/D</li> <li>Word Sync I/D</li> <li>Word Sync I/D</li> <li>Model Level - 1.28, -2048; Unbalanced (-12, -18, -2048)</li> <li>5. Analog input mode: 1-2, 1-4, 1-8</li> <li>Digital Card - 12, -18, -2048)</li> <li>5. Analog input mode: 1-2, 1-4, 1-8</li> <li>Digital Card - 12, -18, -2048; Digital Card - 12, -18, -2048; Digital Card - 12, -18, -2048;</li> <li>6. Bay for adding optional plug-in cards</li> <li>7. B balanced / 1, -18, -2048; Digital Card - 12, -18, -2048;</li> <li>7. Analog input mode: 1-2, 1-4, 1-8</li> <li>Digital Card - 12, -18, -2048; Digital Card - 12, -14, 1-8</li> <li>Digital Card - 12, -14, -18</li> <li>Digital Card - 12, -18, -2048; Digital Card - 12, -14, -18</li> <li>Digital Card - 14, -18</li></ul>			- <u></u>			EXCEPTIONAL QUALITY The AC2496 features the same hig quality A/D converters as seen in th acclaimed Fostex D-Series recorde 128 times oversampling delta-sign 24bit AD/DA converters (AD-3K5393 If you're serious about your audio y should accept nothing less.
<ul> <li>1. Word Clock control Off / 0n</li> <li>2. Word Clock control Internal / External</li> <li>3. Digital format selector: All (4.1, 48/kt/2)</li> <li>4. Bay for adding optional plug-in cards</li> <li>5. By DiF / ADAT optical out</li> <li>5. PD IF / ADAT optical out</li> <li>6. Bay for adding optional plug-in cards</li> <li>6. Bay for adding optional plug-in cards</li> <li>7. B balanced / unbalanced inputs</li> <li>8. SP DIF / ADAT optical out</li> <li>9. Word Sync I/D</li> <li>Word Sync I/D</li> <li>Word Sync I/D</li> <li>Model Level - 1.28, -2048; Unbalanced (-12, -18, -2048)</li> <li>5. Analog input mode: 1-2, 1-4, 1-8</li> <li>Digital Card - 12, -18, -2048)</li> <li>5. Analog input mode: 1-2, 1-4, 1-8</li> <li>Digital Card - 12, -18, -2048; Digital Card - 12, -18, -2048; Digital Card - 12, -18, -2048;</li> <li>6. Bay for adding optional plug-in cards</li> <li>7. B balanced / 1, -18, -2048; Digital Card - 12, -18, -2048;</li> <li>7. Analog input mode: 1-2, 1-4, 1-8</li> <li>Digital Card - 12, -18, -2048; Digital Card - 12, -14, 1-8</li> <li>Digital Card - 12, -14, -18</li> <li>Digital Card - 12, -18, -2048; Digital Card - 12, -14, -18</li> <li>Digital Card - 14, -18</li></ul>	•					AC2496
<ul> <li>3. Digital format selector: ADAT (44.1, 48, 882, 296kHz)</li> <li>4. St/P DIF / ADAT optical out ADAT (44.1, 48, 882, 296kHz)</li> <li>4. Reference input level selector: Balanced (-12, -18, -20dB) Unbalanced (-12, -18, -20dB)</li> <li>5. Analog input mode: 1-2, 1-4, 1-8</li> <li>Competitional Competitions</li> <li>5. Analog input mode: 1-2, 1-4, 1-8</li> <li>Strabel Competitions</li> <li>5. Association to professional studio gear and PC-based audio recorders</li> <li>5045 A DDITIONAL 8 ANALOGUE INPUTS</li> <li>8. S/P DIF / ADAT optical out 9. Word Sync I/O</li> <li>9. Word Syn</li></ul>			FRONT PANEL	REAR PANEL	_	C5
<ul> <li>A bigliat lothing selector:</li> <li>Balanced (-12, -18, -20dB)</li> <li>Unbalanced (-12, -18, -20dB)</li> <li>Unbalanced (-12, -18, -20dB)</li> <li>Unbalanced (-12, -18, -20dB)</li> <li>S. Analog input mode:</li> <li>1-2, 1-4, 1-8</li> <li>Analog input mode:</li> <li>1-2, 1-4, 1-8</li> <li>A ES/FEBU Card</li> <li>BAS/S AES/EBU Card</li> <li>BAS/S AES/EBU Card</li> <li>B AES/FEBU Card<td></td><td></td><td></td><td></td><td></td><td></td></li></ul>						
AUAI (44.1, 48kH2) Si P DIF (44.1, 48, 88.2, 96kH2) 4. Reference input level selector: Balanced (-12, -18, -20dB) Unbalanced (-12, -18, -20dB) Unbalanced (-12, -18, -20dB) 5. Analog input mode: 1-2, 1-4, 1-8 <b>Opticional Caprois</b> 8355 <b>Opticional Caprois</b> 8355 AES/EBU Card 9 AES/EBU Card 9 AES/EBU outputs enabling 8 track simultaneous recording at 24bit / 96kHz & connection to professional studio gear and PC-based audio recorders 5045 A DDITIONAL 8 ANALOGUE INPUTS						
S/P DIF (44.1, 44, 88.2, 96kHz) 4. Reference input level selector: Balanced (-12, -18, -20dB) 5. Analog input mode: 1-2, 1-4, 1-8			ADAT (44.1, 48kHz)	9. Word Sync I/O		
<ul> <li>4. Reference input level selector: Balanced (-12, -18, -20dB) Unbalanced (-12, -18, -20dB)</li> <li>5. Analog input mode: 1-2, 1-4, 1-8</li> <li>6. Analog input mode: 1-2, 1-4, 1-8</li> <li>7. Analog input mode: 1-2, 1-4, 1-8</li> <li>8. AES/EBU Card</li> <li>8. AES/EBU Card</li> <li>8. AES/EBU Card</li> <li>8. AES/EBU outputs enabling 8 track simultaneous recording at 24-bit / 96kHz 8. connection to professional studio gear and PC-based audio recorders</li> <li>5. 5045 ADDITIONAL 8 ANALOGUE INPUTS</li> <li>7. Format</li> <li>1. PEC (MANCE)</li> <li>1. PET (MANC</li></ul>			S/P DIF (44.1, 48, 88.2, 96kHz)			
Model (*12, -16, -2000)         Model (*12, -16, -2000)         Model (*12, -16, -2000)         S. Analog input mode:         1-2, 1-4, 1-8         Model (*12, -16, -2000)         S. Analog input mode:         1-2, 1-4, 1-8         Model (*12, -16, -2000)         S. Analog input mode:         1-2, 1-4, 1-8         Model (*12, -16, -2000)         S. Analog input mode:         1-2, 1-4, 1-8         Model (*12, -16, -2000)         S. Analog input mode:         1-2, 1-4, 1-8         Model (*12, -16, -2000)         S. Analog input mode:         1-2, 1-4, 1-8         Model (*12, -16, -2000)         Solution (*12, -16, -18)         Model (*12, -16, -2000)         Solution (*12, -16, -18)         Model (*12, -18, -2000)         Model (*12, -18, -2000)         Solution (*12, -18, -2000)         Model (*12, -18, -2000)         Model (*12, -18, -2000)         Solution (*12, -18, -2000)         Solution (*12, -18, -2000) <t< td=""><td></td><td></td><td>4. Reference input level selector:</td><td></td><td></td><td>IEC 60958 S/P DIF, Alesis Proprietary Multi Channel</td></t<>			4. Reference input level selector:			IEC 60958 S/P DIF, Alesis Proprietary Multi Channel
Unbalanced (-12, -18, -200B)       5. Analog input mode:       1-2, 1-4, 1-8         MODEL 8355       Soft Active Cancelor, TL level, 750hm (terninate on/off)         Word fugue       Wrd fugue.         Word fugue.       Wrd fugue.         Word fugue.       Wrd fugue.         1-2, 1-4, 1-8       Soft Active Cancelor, TL level, 750hm (terninate on/off)         Word fugue.       Wrd fugue.			Balanced (-12, -18, -20dB)			
S. Analog input mode:       1-2, 1-4, 1-8         MODEL 8355       S. Analog input mode:         1-2, 1-4, 1-8       S. Analog input mode:         8355 AES/EBU Card       S. Analog input mode:         9, AES/EBU outputs enabling 8 track simultaneous recording at 24-bit / 96kHz 8.         1H.0.       < 0.0022 at Balanced, Reference Input - 12dB. IkHz						
MODEL 8355       1-2, 1-4, 1-8         MODEL 8355       1-2, 1-4, 1-8         MODEL 8355       Sampling Frequency 44.1kt/2 / 48/kt/2 / 88.2kt/2 (SIP DIF) / 96/kt/2 (SIP DIF) /					word Output:	VNL connector, IIL level, /Sonm
MODEL 8355       Sampling Frequency       44.1kHz / 48/ktz / 88 ZkHz (S/P DIF) / 96kHz (S/P DIF)         Sampling Frequency       44.1kHz / 48/ktz / 88 ZkHz (S/P DIF) / 96kHz (S/P DIF)         Sampling Frequency       44.1kHz / 48/ktz / 88 ZkHz (S/P DIF) / 96kHz (S/P DIF)         Sampling Frequency       44.1kHz / 48/ktz / 88 ZkHz (S/P DIF) / 96kHz (S/P DIF)         Sampling Frequency       44.1kHz / 48/ktz / 88 ZkHz (S/P DIF) / 96kHz (S/P DIF)         Sampling Frequency       44.1kHz / 48/ktz / 88 ZkHz (S/P DIF) / 96kHz (S/P DIF)         Sampling Frequency       44.1kHz / 48/ktz / 88 ZkHz (S/P DIF) / 96kHz (S/P DIF)         Sampling Frequency       44.1kHz / 48/ktz / 88 ZkHz (S/P DIF) / 96kHz (S/P DIF)         Sampling Frequency       44.1kHz / 48/ktz / 98 ZkHz (S/P DIF) / 96kHz (S/P DIF)         Sampling Frequency       44.1kHz / 48/ktz / 98 ZkHz (S/P DIF) / 96kHz (S/P DIF)         Sampling Frequency       44.1kHz / 48/ktz / 98 ZkHz (S/P DIF) / 96kHz (S/P DIF)         Sampling Frequency       44.1kHz / 48/ktz / 98 ZkHz (S/P DIF) / 96kHz (S/P DIF)         Si K Ratio       > 100d8 (typical) at Balanced, Reference Input - 12d8         Si K Ratio       > 000ZZ at Balanced, Reference Input - 12d8         So X S ADDITIONAL 8 ANALOGUE INPUTS       Si Kas					PERFORMANCE	
Optional Caprois         8355 AES/EBU Card         9 AES/EBU outputs enabling 8 track simultaneous recording at 24-bit / 96kHz & connection to professional studio gear and PC-based audio recorders         5045 ADDITIONAL 8 ANALOGUE INPUTS		MODEL 8355	1 2, 1 4, 1 0			44.1kHz / 48kHz / 88.2kHz (S/P DIF) / 96kHz (S/P DIF)
Image: State of the state						
8355 AES/EBU Card       SiN Ratio       >110d8 (typical at Balanced, Reference Input -12d8 Dynamic Range         9 AES/EBU outputs enabling 8 track simultaneous recording at 24-bit / 96kHz & connection to professional studio gear and PC-based audio recorders       SiN Ratio       >110d8 (typical at Balanced, Reference Input -12d8 Dynamic Range         5045 ADDITIONAL 8 ANALOGUE INPUTS       Bimensions       462(w) x 44 (h) x 220 (d) mm	L	_	Optiopol			
8355 AES/EBU Card       SiN Ratio       >110d8 (typical at Balanced, Reference Input -12d8 Dynamic Range         9 AES/EBU outputs enabling 8 track simultaneous recording at 24-bit / 96kHz & connection to professional studio gear and PC-based audio recorders       SiN Ratio       >110d8 (typical at Balanced, Reference Input -12d8 Dynamic Range         5045 ADDITIONAL 8 ANALOGUE INPUTS       Bimensions       462(w) x 44 (h) x 220 (d) mm			UJJIUIAIL	.drus	Frequency Response	
S355 AES/EBU Card     Dynamic Range     > 110dB (typical) at Balanced. Reference Input - 12dB       Image: Input - 12dB AES/EBU outputs enabling 8 track simultaneous recording at 24-bit / 96kHz & connection to professional studio gear and PC-based audio recorders     Dynamic Range     > 110dB (typical) at Balanced. Reference Input - 12dB       5045 ADDITIONAL 8 ANALOGUE INPUTS     Dimensions     482(w) x 44 (h) x 220 (d) mm			_		S/N Patia	
B AES/EBU outputs enabling 8 track simultaneous recording at 24-bit / 96kHz &     connection to professional studio gear and PC-based audio recorders     5045 ADDITIONAL 8 ANALOGUE INPUTS     5045 ADDITIONAL 8 ANALOGUE INPUTS     THE Content of the second			8355 AES/EBU Card			
PHYSICAL           5045 ADDITIONAL 8 ANALOGUE INPUTS         Bimensions         482(w) x44 (h) x220 (d) mm           Weight         2.0 kps		A CALL OF H	8 AES/EBU outputs enabling 8 track simul	taneous recording at 24–bit / 96kHz &		< 0.002% at Balanced, Reference Input –12dB, 1kHz *
5045 ADDITIONAL 8 ANALOGUE INPUTS Dimensions 482(w) x 44 (h) x 220 (d) mm		A A A A A A A A A A A A A A A A A A A	connection to professional studio gear an	d PC-based audio recorders		
5045 ADDITIONAL 8 ANALOGUE INPUTS Weinht 20 kms.			· · ·			
			5045 ADDITIONAL 8 ANALOGUE IN	IPUTS		
		MODEL 5045			Weight	2.0 kgs.
						*ty

## **Main features**

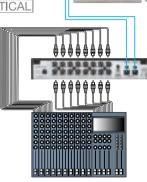
- Affordable ADAT Optical / Analogue converter
- 20-bit AD/DA performance
- S/P DIF / Analogue conversion
- Selectable clock Internal (44.1kHz), Optical, Word
- (32-48kHz) enables seamless integration with digital equipment
- Input Mode select (2/4/8 buss) for easy combination with any analogue mixer
- Word In for sync
- Utilizes high quality 20bit AD/DA converters
- SUGGESTED APPLICATIONS
- Add analogue I/Os to digital recorders such as D824, D1624, D2424 to maximize the number of simultaneous recording tracks
- Add 8 high quality analog inputs and outputs to a PC sound card equipped with ADAT optical connection



Analog/ADAT Converter The 8 channel Fostex VC-8 Inputs and outputs are

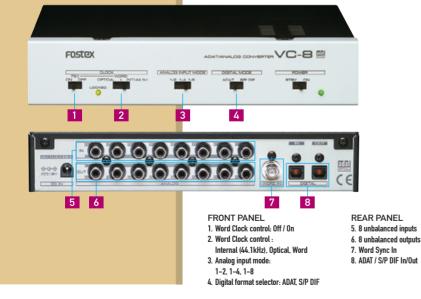
Analog/ADAT converter offers users of Fostex Digital Multitracks and PC soundcard users the flexibility of adding more analog inputs and outputs. This is particularly useful in a 'live' recording application where the number of simultaneous recording tracks (from analog sources) can be maximized. Inputs and outputs are via RCA pin connectors and utilize excellent quality 20-bit A/D D/A conversion with 32-48kHz digital performance available enabling seamless integration with digital equipment.

Interfacing to an analog mixer is made simple using the bus selector which can operate in 2, 4 and 8-bus modes.



FOSTEX

EXAMPLE APPLICATION In this example, the VC-8 is used to add an 8 analog inputs and outputs to a PC soundcard recording set-up allowing for easy 8-track recording and external mixing. (The soundcard must be equipped with optical I/0)



Snecs INPLIT / OUTPLIT Analog Input (1-8 RCA pin jack Input Level >20k oł Input Imp Analog Output (1–8) Output Level RCA pin jack Load Impedance >10k ohm Digital Data In/Out Optical (x 2) Format (Switched to 1 or 3 I. IEC60958 (S/P DIF) 2. Alesis Proprietary Multi Channel Optical Interface BNC connector, TTL level Word Input Input Impedance 75 ohm (terminate on/off PERFORMANCE INT mode : 44.1kHz, OPTICAL/WORD mode : 32 - 48kHz mpling Frequency 20 bit 64 times over sampling modulation 20 bit 128times over sampling modulation AD 0.008%(@ 1kHz, Typical) Total Harmonic dist 96dB (Typical) Dynamic Range PHYSICAL 220 (w) x 43 (d) x 180 (h) mm Weight 1.0kg (Excluding accessories

Fostex

Distributor / Authorised Dealer

## Fostex Corporation, 3-2-35 Musashino, Akishima, Tokyo, Japan 196-0021

Tel: +81 (0)42-546-4974 Fax: +81 (0)42-546-9222