FOSTEX®

VF80 EX
8 TRACK DIGITAL
MULTITRACKER

VF160 EX
16 TRACK DIGITAL
MULTITRACKER

VF EX SERIES

RECORD A TRACK
VF160 EX: You can record up to 8 at any one time using analog inputs

TRAINING MODE
VF80 EX: Centre signal cancellation and full control of audio speed.

APPLY EQ
VF160 EX: 3-band EQ can be applied to recorded tracks.

MASTER EFFECTS
VF80 EX: A preset library of 10 mastering effects can be applied to tracks 7 & 8.

INTERNAL MIXDOWN
VF160 EX: With mastering EQ & compressor to 1-2 tracks of new program.

DIGITAL EFFECTS
VF80 EX: 44 superb quality digital effects including amp & mic simulations.

EASY TO USE, SERIOUS QUALITY ALL-IN-ONE DIGITAL RECORDING WORKSTATIONS

The VF80 EX and VF160 EX continue the Fostex tradition of offering high-value self-contained recording solutions which simply offer musicians everything they need.

The VF80 EX is ideal for guitarists and musicians wanting a compact solution capable of capturing ideas and songs with minimal fuss. The superb amp simulators and flexible input stages make for easy sound capture.

The VF160 EX meanwhile is a powerhouse offering a larger mixer with 3-band EQ, up to 16-track simultaneous recording tracks and powerful ADAT/PC audio mixing.

Both VF EX series machines offer superior un-compressed digital recording to interal hard drives.

VF80 EX

Uncompressed Recording to Hard Drive
8 + 16 additional ghost tracks

Non Linear Audio Editing
Non-destructive, non linear Copy/Move-Paste / Erase audio editing

Digital Mixer
7 x track faders and 1 x Master fader (stereo buss) - all 60mm

Mic/Line Inputs x 2
With phantom powered balanced XLRs and unbalanced 6mm jacks. Trim controls, on/off switches and peak LED indicators

Built-in Digital Channel Effects
Fostex A.S.P.+ technology with 44 effect types including amp simulations & distortion

Mastering Libraries
10 preset Mastering Libraries: Flat, Wet Mix, Light Mix, Live Mix, Pop Mix, Dance, Hard, 70's, Hall and Lo-Fi modes

Mastering Mode
Using tracks 7 & 8 with EQ, compressor and effects

Equalization
2-band EQ on channels 1-6 (shelving type) plus 36 EQ presets

CD Mastering
Master to CD-R/RW

VF160 EX

Uncompressed Recording to Hard Drive
16 + 8 additional ghost tracks. Up to 16 track simultanous recording*

Programs (Songs)
99 user programmable

Non Linear Audio Editing
7 Mark Point on the fly, 7 Edit Memory & 99 Event Memory

Digital Mixer
16 input faders (8 analog/track input + 8 track input). Master fader (stereo buss)

Mic/Line Inputs
Trim on all analog inputs with peak LED. Balanced XLR with phantom power and insert points on inputs G & H

Built-in Assignable Compressor
Assignable (ch13+14 or ch15+16 with EQ off) and master compressors

2 Built-in A.S.P. Digital Effects
38 types of preset channel effects

Equalization
3-band EQ on all 16 channels (HI parametric, shelving, LPF, MID parametric, LO shelving). Separate 3-band Master EQ

PC Audio Mixing
Interface to any ADAT compatible system

CD Mastering
Master to CD-R/RW

JF EX SERIES

VF80 EX

A total 8 track recording studio - complete with digital mixing, digital effects including stunning amp simulators and CD mastering. 8 main tracks plus 16 'Ghost' tracks mean you can record different versions of vocals, drum grooves, guitar parts, etc., and choose which of the 8 tracks you wish to reproduce and mix. There's a built-in 'Training Mode' with 'auto muting' of sounds at the centre of the stereo mix and slow down of playback without altering pitch; high-gain input stages with balanced XLR / unbalanced jacks, trim control and switchable +48V phantom power; a great 2-band EQ with 36 presets; and a 99 'mix scene' memory allowing you to store a complete mix for later recall or scene sequence. Mastering to CD is a snap. Bounce tracks 1-6 to a stereo pair with just one button push and add unique Mastering Effects.

VF160 EX

Offers full 16-track random-access digital audio recording to hard disc, digital mixing, audio editing, effects processing and CD mastering with 16-bit audio resolution in a compact table-top workstation. Main features include 16-track playback; 16-track simultaneous recording;* 16-channel digital mixer with a 100 mix scene memory, pristine quality mic pre-amps; 3 band EQ, assignable channel compressor (ch 13+14 or 15+16 with EQ off), master compressor; 8 'Ghost' tracks; graphical non-linear audio editing; CD mastering; and a whole arsenal of multi-effects including awesome reverb, chorus, flange, hall etc. Hook up a VF160 EX to an ADAT compatible, computer-based audio/MIDI set-up and use it as a full function mixer with its mic amps available for inputs and simultaneous monitoring of the PC audio, each with its own fader.

INPUTS
Both VF80 EX and VF160 EX offer two high-gain inputs with balanced and unbalanced connectors, trim control and switchable +48V phantom power.

EFFECTS
Fostex A.S.P. technology digital multi-effects offer an arsenal of creative sound processing. In addition, the VF160 EX features channel and master compressors.

MASTER EFFECTS
With the VF80 EX you can add dedicated digital master effects whilst mastering tracks 7 & 8 to an external stereo recorder or internal CD. Choose from 10 usable presets which will enhance any mix.

ADAT/PC MIXING
The VF160 EX can be used as a full function ADAT/PC audio mixer with its mic amps, digital EQ and FX processing available for inputs and simultaneous monitoring of audio tracks with fader control.

* When using ADAT and anlog inputs

VF EX SERIES

VF160 EX

RECORDING / PLAYBACK

Recording Medium	3.5 inch, hard disk (E-IDE type)
Recording Format	FDMS-3 (*)
Save/Load Format	FDIO-1 (**)
Sampling Frequency	44.1kHz
Quantization	16-bit linear (Non expanded)
A/D Converter	20-bit 64 times, over sampling, Delta-Sigma
D/A Converter	24-bit 128 times, over sampling, Delta-Sigma
No. of Recording Track	16 real tracks + 8 additional tracks
Simultaneous Recording	16 tracks
Vari Pitch Control	+/- 6%
Crossfade	10msec.
Frequency	20Hz ~ 20kHz

INPUT / OUTPUT

Input 1 ~ 6	ø6mm Phone jack (Unbalanced)
Input Impedance	50kohm or more (Unbalanced)
Standard Input Level	-50dBV ~ 2dBV
Input 7 and 8	ø6mm Phone jack (Unbalanced)
	XLR-3-31 type (Balanced)
Input Impedance	50kohm or more (Unbalanced), 10kohm or more (Balanced)
Standard Input Level	-50dBV ~ 2dBV
Phantom Power (XLR only)	+48VDC (On/Off with SETUP mode)
Output (Tip)	
Load Impedance	10kohm or more
Input Level	-10dBV
Insert Input/Output	ø6mm TRS Phone jack, (Output (Tip), Input (Ring))
Load Impedance	10kohm or more
Input / Output Level	-10dBV
Monitor Output	ø6mm Phone jack (Unbalanced)
Load Impedance	10kohm or more
Output Level	-10dBV
Headphone	ø6mm TRS Phone jack
Load Impedance	10ohm ~ 50ohm
Output Level	20mW or more (at 16ohm)
AUX Send 1 + 2	ø6mm TRS Phone jack (Tip: Send 1, Ring: Send 2)
Load Impedance	10kohm or more
Output Level	-10dBV
Stereo Out L, R	RCA pin jack
Load Impedance	10kohm or more
Output Level	-10dBV
Digital In/Out	2 x Optical
Format	ADAT optical / IEC60958 (S/P DIF)
MIDI In/Out	2 x DIN 5 pin / MIDI standard
Punch In/Out	1x ø6mm phone jack

GENERAL

Dimensions	402 (W) x 110 (H) x 370 (D) mm
Weight	Approx. 6.1kg
Power Supply	120VAC 60Hz, 230V~ 50/60Hz (AC inlet type)
Power Consumption	22W

VF80 EX

RECORDING / PLAYBACK

Recording Medium	3.5 inch, hard disk (E-IDE type)
Recording Format	FDMS-3 (*)
Save/Load Format	FDIO-1 (**)
Sampling Frequency	44.1kHz
Quantization	16-bit linear (Non expanded)
A/D Converter	20-bit 64 times, over sampling, Delta-Sigma
D/A Converter	24-bit 128 times, over sampling, Delta-Sigma
No. of Recording Track	8 real tracks + 16 additional tracks
Simultaneous Recording	2 tracks
Vari Pitch Control	+/- 6%
Crossfade	10msec.
Frequency Range	20Hz ~ 20kHz

INPUT / OUTPUT

Input A, B	ø6mm Phone jack (Unbalanced)
	XLR-3-31 type connector (Balanced)
Input Impedance	50kohm or more (Unbalanced)
	1kohm or more (Balanced)
Standard Input Level	-50dBV ~ +4dBu
Phantom Power (XLR only)	+48VDC (Setting of On/Off with Phantom switch)
Headphone	
Connector	ø6mm TRS Phone jack
Load Impedance	10ohm ~ 50ohm
Output Level	20mW or more (at 32ohm)
Stereo Out L, R	
Connector	ø6mm Phone jack
Load Impedance	10kohm or more
Output Level	-10dBV
Digital In/Out	
Connector	Coaxial
Format	IEC 60958 (S/P DIF)
MIDI In/Out	
Connector	DIN 5 PIN
Punch In/Out	1x ø6mm phone jack

GENERAL

Dimensions	307 (W) x 108 (H) x 217 (D) mm
Weight	Approx. 3.3kg
Power Supply	120VAC 60Hz, 230V~ 50/60Hz (AC inlet type)
Power Consumption	20W

* Fostex Disk Management System-3
** Fostex Data In Out-1
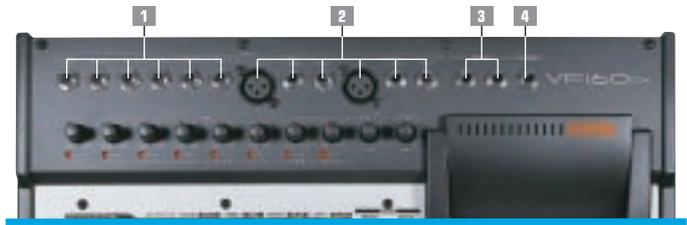
VF160 EX INTERFACING

1 Inputs A - F unbalanced phone
2 Inputs G - H balanced XLR or unbalanced phone with +48V Phantom Power & inserts
3 Monitor Out
4 Headphone Out
5 Auxiliary Send
6 Master Stereo Out
7 MIDI IN, OUT
8 ADAT optical / S/P DIF In & Out
9 Footswitch

VF160 EX CHANNEL EFFECT TYPES

- Normal Hall
- Presence Hall
- Wet Hall
- No E/R Hall
- Lo-Freq Hall
- Stadium
- Auditorium
- Hallway
- Normal Room
- Dead Room
- Presence Room
- Drum Booth
- Garage
- Normal Plate
- Old Plate
- Presence Plate
- Wet Plate
- Digital Plate
- Normal Vocal
- Presence Vocal
- Solo Vocal
- Arena Vocal
- Arena Chorus
- Karaoke
- Mono Delay-Hall
- Mono Delay-Plate
- Panning Delay-Hall
- Panning Delay-Plate
- Mono Delay
- Panning Delay
- Mono Bpm Delay
- Panning Bpm Delay
- Short Delay
- Doubling
- Chorus
- Flange
- Mono Pitch
- Delay Pitch

VF80 EX INTERFACING

1 Input A unbalanced input
2 Inputs A balanced XLR input
3 Input B unbalanced input
4 Input B balanced XLR input
5 Headphone Out
6 Master Stereo Out
7 Footswitch
9 Optical S/P DIF In & Out
8 Phantom Power On/Off
10 MIDI IN, OUT
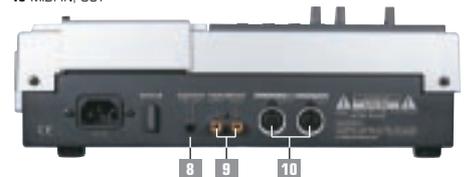
VF80 EX MASTERING EFFECTS - 10

Uses a combination of compressor, 3-band EQ and ambience to offer 10 ultra-usable mixdown settings.

Flat	Wet
Light	Live
Pop	Dance
Hard	70s
Hall	Lo-Fi

VF80 EX EQ LIBRARY PRESETS - 36

- LightKick
- TightKick
- Ana.Kick
- Snappy_SD
- Power_SD
- Deep_SD
- Talk_Tom
- Melo_Tom
- W.GongTom
- LoFi_Cym
- Perc.
- Tamb.
- Fat_Bass
- Norm.Bass
- Loud_Bass
- Bright_Pf
- Loud_Pf
- Power_Pf
- E.Pf
- Clean_EG
- CrunCh_EQ
- OverDrvEG
- Dist.EG
- Metal.EG
- Stroke_AG
- Arpeg.EAG
- Arpeg.AG
- Brass_Sec
- W.WindSec
- Male_Vo
- Female_Vo
- Chorus
- SpeeCh
- Digi.Mix
- AnalogMix
- Telephone

VF80 EX CHANNEL EFFECT TYPES - 44

- Normal Hall
- Presence Hall
- Wet Hall
- No E/R Hall
- Lo-Freq Hall
- Stadium
- Auditorium
- Hallway
- Normal Room
- Dead Room
- Presence Room
- Drum Booth
- Garage
- Normal Plate
- Old Plate
- Presence Plate
- Wet Plate
- Digital Plate
- Normal Vocal
- Presence Vocal
- Solo Vocal
- Arena Vocal
- Arena Chorus
- Karaoke
- Mono Delay-Hall
- Mono Delay-Plate
- Panning Delay-Hall
- Panning Delay-Plate
- Mono Delay
- Panning Delay
- Mono Bpm Delay
- Panning Bpm Delay
- Short Delay
- Doubling
- Chorus • Flange
- Mono Pitch
- Delay Pitch
- Distortion (Guitar)
- Distortion (Bass)
- Distortion (Drum)
- Distortion (Voice)
- Guitar Amp Simulation
- Mic Simulation

FOSTEX

Distributor / Authorised Dealer