

VF80 Digital Power Tool



Main Features

DIGITAL MIXER

- New A.S.P.+ digital channel effects. 44 effect types including stunning amp simulations & distortion
- Mastering Mode (using tracks 7 & 8) with EQ, compressor and effects
- 10 preset Mastering Libraries: Flat, Wet Mix, Light Mix, Live Mix, Pop Mix, Dance, Hard, 70's, Hall and Lo-Fi modes
- 2 x inputs with phantom powered balanced XLRs and unbalanced 6mm jacks. Trim controls, on/off switches and peak LED indicators
- Stereo Out
- 7 x track faders and 1 x Master fader (stereo buss) - all 60mm
- Full MTC/MMC compliance, MIDI clock & song position pointer
- 2-band EQ on channels 1-6 (shelving type) plus 36 EQ presets
- 99 mix scene memory per program with title edits
- Non-destructive, non linear Copy/Move-Paste / Erase audio editing
- Jog wheel audio scrubbing with wave-form display
- Clipboard data available to be pasted to the same, another, or multiple tracks and automatically repeated up to 99 times.
- S/P DIF digital I/O

DIGITAL RECORDER

- Full digital 8-track multitrack recorder
- Optional internal CD-R/RW drive for mastering & back-up
- 8 recording tracks plus 16 additional ghost tracks for multiple takes. 24 recording tracks in total
- No compression recording to internal, user upgradable, 3.5" E-IDE hard disc
- Up to 7.8 hours of 8 track recording on 20GB hard disc
- .WAV file import/export (via CD)



UPGRADABLE HARD DRIVE
 The removable plate on the underside of a VF80 allows you to change the internal E-IDE hard drive. A larger hard drive means more recording time. Visit www.fostex.co.jp for a list of compatible drives.

DIGITAL MULTITRACKER

This 8-Track Digital Power Tool is in the tradition of its 16-Track predecessor, the VF160. It's an all-in-one solution to today's recording needs—a digital hard disk recorder, digital mixer with built-in effects, a digital editor with cut, copy, paste functions, and a digital mastering device with optional built-in CD burner.

And if you're a [guitar player](#), you're really going to love the dedicated guitar inputs and simulation-effects controls. These are not just overworked tone controls, these are useful, powerful algorithms that will help you create new sounds.

INTUITIVE OPERATION

The VF80 is just so easy to operate. Large illuminated buttons change color depending on mode of operation, 60mm faders offer precise tracking and a clear backlit LCD display make for easy sound editing and feature selection. The bounce feature makes for easy 'single button push' mix-down.



FLEXIBLE INPUT STAGE
 Both inputs have balanced and unbalanced connectors, trim control and switchable +48V phantom power.



ONE-BUTTON BOUNCING
 The bounce function allows audio from tracks 1 through 6 to be bounced to tracks 7/8 at the touch of a button.

CD-R/RW MASTERING

***OPTIONAL CD-R/RW**
 You can retro-fit your VF80 with an optional CD-R/RW drive which will allow you to master digital audio CD's. But that's not all. Hard disc data can also be backed up to data CD's. WAV file import and export is supported via CD media.



DEDICATED MASTERING EFFECTS
 You can add dedicated digital master effects whilst mastering tracks 7 & 8 to external stereo recorder or internal CD.

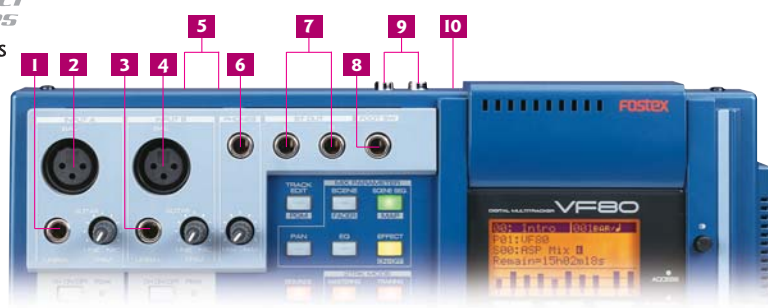




44 channel effect types

CHANNEL EFFECT TYPES

- Name
- L01 Normal Hall
 - L02 Presence Hall
 - L03 Wet Hall
 - L04 No E/R Hall
 - L05 Lo-Freq Hall
 - L06 Stadium
 - L07 Auditorium
 - L08 Hallway
 - L09 Normal Room
 - L10 Dead Room
 - L11 Presence Room
 - L12 Drum Booth
 - L13 Garage
 - L14 Normal Plate
 - L15 Old Plate
 - L16 Presence Plate
 - L17 Wet Plate
 - L18 Digital Plate
 - L19 Normal Vocal
 - L20 Presence Vocal
 - L21 Solo Vocal
 - L22 Arena Vocal
 - L23 Arena Chorus
 - L24 Karaoke
 - L25 Mono Delay-Hall
 - L26 Mono Delay-Plate
 - L27 Panning Delay-Hall
 - L28 Panning Delay-Plate
 - L29 Mono Delay
 - L30 Panning Delay
 - L31 Mono Bpm Delay
 - L32 Panning Bpm Delay
 - L33 Short Delay
 - L34 Doubling
 - L35 Chorus
 - L36 Flange
 - L37 Mono Pitch
 - L38 Delay Pitch
 - L39 Distortion (Guitar-8)
 - L40 Distortion (Bass-3)
 - L41 Distortion (Drum-3)
 - L42 Distortion (Voice-3)
 - L43 Guitar Amp Simulation-5
 - L44 Mic Simulation-18



VF80 INTERFACING

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

10 master effect types

MASTER EFFECT TYPES

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

- Name
- L0 Flat
 - L1 Wet
 - L2 Light
 - L3 Live
 - L4 Pop
 - L5 Dance
 - L6 Hard
 - L7 70s
 - L8 Hall
 - L9 Lo-Fi

THE BEST DSP EFFECTS ENGINE IS NOW EVEN BETTER

A.S.P. + (Advanced Signal Processing) is a unique digital effects processing technology developed by, and newly enhanced Fostex. New for the VF80 are incredible microphone / amplifier simulation algorithms which use a Double Accuracy Operation technique for each frequency. Popular mic sounds are emulated to perfection whilst the awesome amp simulation has to be heard to be believed.



36 preset EQ library

EQ LIBRARY PRESETS

- Name
- L01 LightKick
 - L02 TightKick
 - L03 Ana.Kick
 - L04 Snappy_SD
 - L05 Power_SD
 - L06 Deep_SD
 - L07 Talk_Tom
 - L08 Melo_Tom
 - L09 W.GongTom
 - L10 LoFi_Cym
 - L11 Perc.
 - L12 Tamb.
 - L13 Fat_Bass
 - L14 Norm.Bass
 - L15 Loud_Bass
 - L16 Bright_Pf
 - L17 Loud_Pf
 - L18 Power_Pf
 - L19 E.Pf
 - L20 Clean_EG
 - L21 CrunCh_EQ
 - L22 OverDrvEG
 - L23 Dist.EG
 - L24 Metal.EG
 - L25 Stroke_AG
 - L26 Arpeg.EAG
 - L27 Arpeg.AG
 - L28 Brass_Sec
 - L29 W.WindSec
 - L30 Male_Vo
 - L31 Female_Vo
 - L32 Chorus
 - L33 SpeeCh
 - L34 Digi.Mix
 - L35 AnalogMix
 - L36 Telephone

Specifications

DIGITAL MIXER SECTION

Input (A - B)	2x ø6mm phone jack (unbalanced) 2x XLR-3-1 type (balanced)
Input Impedance	>40k ohms (unbalanced) >3k ohms (balanced)
Rated Input Level	-50dBV - +4dBu
Phantom Power	+48V (switchable)
Stereo Out	2x ø6mm phone jack
Load Impedance	>10k ohms
Rated Output Level	-10dBV
Headphone Out	1x ø6mm stereo phone jack
Load Impedance	>8k ohms
Maximum Output	20mW (at 32 ohms)
Digital S/P DIF In/Out	2 x Coaxial
Format	IEC60958 (S/P DIF)
MIDI In/Out	2 x DIN 5 pin / MIDI standard
Punch In/Out	1x ø6mm phone jack (Model 805I)
Frequency Response	20Hz - 20kHz

DIGITAL RECORDER SECTION

Recording Media	Internal E-IDE 3.5-inch hard disk
Recording format	FDMS-3 (version I)
	(Fostex Disk Management System)
Save/Load	FDIO-1 / CD-1A (optional)
Sampling Frequency	44.1kHz
Quantization	16bit linear (non compressed)
Recording time	Dependent of disk size eg: approx. 7.8 hours of 8 track @ 16bit/44.1kHz on a 20 GB disk
Number of tracks	8 + 16 additional tracks
Simultaneous recording tracks	2
Simultaneous playback tracks	8
EQ - Lo band	100Hz ±18dB (shelving / peaking / HPF depending on preset)
EQ - Hi band	10kHz ±18dB (shelving / peaking / LPF depending on preset)
Pitch control	±6% (0.01% step)
Crossfade	10ms
Dynamic Range	92dB
TH.D.	0.01% (typical)
Crosstalk	> 60dB @ 1kHz
A/D converter (20bit)	Delta-Sigma 64x over sampling
D/A converter (24bit)	Delta-Sigma 128x over sampling

OPTIONS

Model CD-1A CD-R/RW Drive	
Type	Internal EDIE
	CD-Recordable
	CD-ReWritable
Model 805I Footswitch	
Operation	Non latching
PHYSICAL	
Dimensions	307 (W) x 108 (H) x 217 (D)mm
Weight	approx. 2.4kg
Power	120V / 230V
Consumption	15W

VF80 Optional Extras



- 805I FOOTSWITCH**
For remote VF80 Punch In/Out operation. Comes with 2m cable.
- CD-1A**
Internal CD for mastering and back-up - see right.
- COP-1/96K**
Optical S/P-DIF to coaxial S/P-DIF converter for use with non-optical equipped DAT machines.
- T-5 / T-7 HEADPHONES**
Great all-round stereo headphones offering quality monitoring of your VF80 recordings.

Optional Model CD-1A

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