

M76FD

Mixer

DESCRIPTION

Developed based on Linux operating system, no fear of viruses, safer and more stable operation, 10.1-inch 1280x800 high-definition touch display, Chinese and English operation interface, free switching, easier to use, shutdown parameters are automatically saved, no need to worry about data loss, total input/output: 76 signal inputs, 36 signal outputs, local input/output: 42 signal inputs (38 analog + 4 digital)

FEATURE

- 33-channel TFT LCD guide display, channel name and background color can be customized (support Chinese).
- MIC input gain adjustment (smooth digital gain, save to scene)
- Mic input channel (Linked) odd-even modulation
- +48V phantom power (MIC channels can be turned on and off independently, and can be saved to scenes)
- Each input channel has built-in compressor, noise gate, phase, high-pass and low-pass filters, 5-band parametric equalizer, delay, channel sound and image balance adjustment
- Channel parameter quick copy function
- Each channel has a multi-function menu, mute and monitor
- Each channel is equipped with 100MM electric faders (32+1 ALPS electric faders)
- Independent physical fader control for input, output and effect channels
- Each channel fader supports user-defined layer function
- Two fader layer page turning buttons (input page turning, output and effect fixed faders, more convenient and quick operation)
- 8 customizable physical buttons
- 16 DCA groups, 16 mute groups, 8 matrices
- Independent feedback suppressor management for each channel (32)



- The whole machine has the processing capacity of 76 input signals and 36 output signals.
- The network interface can support 32x32 tracks of recording and playback (need to purchase a network port virtual sound card)
- Built-in signal generator (pink noise/sine wave/white noise), can be customized to output from any one or multiple output channels
- Built-in real-time spectrum 96-segment RTA function (color editable)
- Supports real-time backup of dual-machine synchronous data
- Channel and scene editing supports Chinese input method
- Integrated two sets of 32-channel automatic mixing function
- With channel side chain compression and ducking function
- Supports talkback function
- Support MIDI interface input
- AUX output (pre/post fader) can be set

FEATURE (CONT.)

- Output channel processing: high and low pass filter, 15-band parametric equalizer, main output 31 bands (GEQ support through the control on the fader), compressor, delay, phase
- USB 8x8 multi-track recording function
- Support dual USB interfaces, built-in sound card (mobile phone, IPAD, MP3, PC direct playback, recording) USB interface: recording, playback, system upgrade (playback format APE, FLAC, MP3, WAV);
- 8 quick scene call modes, 100 scene storage, customizable scene names, support Chinese input, seamless scene switching without sound interruption, support USB import and export
- 4 independent stereo DSP effects processors are built-in locally, each of which has 20 preset effect modes for users to use directly
- FX foot switch interface
- Support USB mouse and panel lock to prevent misoperation
- 12V output interface, can be connected to external lighting equipment
- One-click factory reset
- Support RS232/TCP central control
- Multi-operating system control software (IOS system, Android system, WINDOWS system, domestic Kirin system)
- Support 100M Ethernet adjustment (or external router wireless adjustment)
- 10.1 inch 1280x800 HD capacitive touch display

Technical specifications

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Input	Mic/Line input: 1-32 (local)	Balanced, XLR and 1/4 TRS jacks
	Input sensitivity (XLR/TRS)	XTR1.5mv, TRS 7mv
	Input analog gain	-32db to 10db, 0.6~0.7 step
	Maximum input level (XLR/TRS)	+19dBu/+29dBu
	Input impedance (XLR/TRS)	MIC > 5K, LINE > 10K
	Mic input stereo link	Yes
	Parameter links	Balance, dynamics, delay, distribution, sending
Stereo line input	Polarity	Normal/Flip
	ST1/ST2	3.5 Lotus socket
	ST3 interface (digital)	USB audio streaming, USB MP3, AES
	Input sensitivity	Nominal 4dB
	Input analog gain	-32db to 10db, 0.6~0.7 step
	Maximum input level	+29dB
	Input Impedance	>7KΩ
Output	Stereo link	Yes
	Parameter link	Balance, dynamics, delay, distribution, sending
	Polarity	Normal/Flip
	Mix 1-14 AUX and left and right outputs (local)	Balanced, XLR, L/R, 14AUX
	Output impedance	<75Ω
	Nominal output	+4dbu = 0dB level meter reading
	Residual output noise	=-91dbu
	Mix insert	Assign FX to the mix channel
	Dynamic range	112dB
	Signal-to-noise ratio	XLR≥ 92db, TRS≥82db
	Maximum output voltage	7VAC MAX
	Distortion	<0.0003% (1KhzFull Power)
	Frequency Response	20HZ-20KHZ+/-0.5db
FX	Sampling rate	48KHZ ±100PPM
	ADC/DCA	24-bit Delta-Sigma
	Internal FX	4xFX Engine, Send > Return or Insert
	Type	Reverb, delay, chorus, flanger, symphonic chorus, etc.
FX	4 dedicated stereo FX returns	Fader, pan, mute, send to mix/LR, 5-band EQ
	Internal FX	4xFX Engine, Send > Return or Insert

Technical specifications (Cont.)
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System	Linux	Chinese and English language switching
	Fader	33 ALPS 100mm electric
Control	Touchscreen	10.1" TFT, 1280x800 resolution
	DCA grouping	8
	Mute group	8
	Network	TCP/IP Ethernet for PC and iPad applications
	System upgrade	USB flash drive upgrade
	Wired connection	Windows PC software connection, Kylin system
	Wireless connectivity	Windows PC/iPad/android/Kirin
	Input processing	Input source
Equalizer		5-band parametric EQ, (20HZ-20KHZ)±12dB, Q0.3~15 adjustable
High and low pass		12db/24db, (BT/BS/LRK), 20-20K
Noise gate		Pass-through switch
Threshold		-135db to -40db
Impact/Release		50us-300ms/10ms-5s
Compressor		Pass-through switch
Threshold ratio		-40db-+6db/1:1 to infinity
Remote extension		Supports connection of two interface boxes
Output processing		Output channel
	Equalizer	15-31 segment parametric EQ, (20HZ--20KHZ) ±12dB, Q0.3~15 adjustable
	High and low pass	12db/24db, (BT/BS/LRK), 20-20KHZ
	Compressor	Pass-through switch
	Threshold ratio	-40db-+6db/1:1 to infinity
	Delay	Maximum 320ms
USB	Drive	Maximum 320ms
	Equipment	Using a USB hard drive (USB drive)
	Stereo recording	8 channels (wav/mp3) 48KHz 24
	Stereo playback	8 channels (WAV/MP3) 32-96KHz, 16-24 bits
USB Audio	Sound card	USB B
	Send uplink	Stereo full format, 32KHz-96KHz 24-bit
	Send downlink	Stereo, MP3, 48KHz, 24-bit
	Dante	Support
	Automatic mixing	Support
	Power supply	100-240VAC, 50-60H, 150W
	Size	515x910x245 mm (length includes 6.35 input seat, width includes side panel, height includes machine feet; knobs are not included)
	Packing size	1040x630x360mm
Net weight	18.25kg	
Gross weight	23.5kg	

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Performance specifications are typical. Due to constant research, specifications are subject to change without notice. For the most up-to-date specifications, please contact an authorized Starview representative.

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