Digital Mixer

TS-24PD-12

Description

With powerful DSP processing capability, using touch control screen, professional buttons, and digital audio processing interface, it can quickly operate various functional modules, such as level meter, PEQ, Limiter, USB recording and playback, scene storage, system settings, etc.

Feature

* A 10.1-inch 1280x800 true-color resistive touch screen, a digital encoder and a professional operating panel with dedicated buttons can make all settings quickly and conveniently.
* With 17 100mm motorized faders, the motorized faders can control all channels and main outputs: 1 LR main channel fader, 16 channel faders and 4 fader layers.
* Support switching between Chinese and English interfaces without restarting.
* Built-in USB recording and playback functions. It can recognize the Chinese and English song names in the USB electronic disk, and can perform functions such as fast forward, next, and pause, which is very convenient for on-site operation; support playback of APE, FLAC, MP3, and WAV lossless audio formats.
* Built-in 16-channel independent feedback suppressor, built-in 16-channel automix (gain sharing type), with 8 DCAs.
* With 2 built-in effector, including classic reverb, large hall reverb and other effect modules; FX sound effects can be returned to the mix using a dedicated return channel and do not occupy mono and stereo input channels.
* Support full-function control via iPad touch screen, support real-time data synchronization; support simultaneous control of 8 terminals.
* ARM firmware and DSP firmware can be upgraded through network or USB.
* Each input channel has 4-band parametric equalization, noise gate, high and low pass, compression, inversion.
* Each output channel has 8-band parametric equalization, high and low pass, compression, inversion, and 1800ms delayer.
* The output channel supports L/R, 10BUS, HeadPhone (L/R); the 10BUS mixing bus supports optional pre-fader or post-fader (PRE/POST).
* Support 100 scene presets, export and import USB memory, convenient for data backup; support the storage of 32 PEQ modes.
* Built-in signal generator: sine wave, pink noise, white noise.
* Support channel parameter copy function, the same channel can copy data quickly, and the channel name can be user-defined.
* Wiring method: balanced input, output XLR.
* Support 8 fader groups, 8 user-defined buttons, 4 quick mute group buttons.
* With a panel lock button to prevent misuse.
* Support optional functions: mirroring hot backup, all-pass filter, dynamic equalizer, etc.

Specification

Model	TS-24PD-12
Analog input	24CH (MIC/Line)
Analog output	Main(L/R)+10BUS+REC(L/R)+Headphone(L/R)*2+MONITOR(L/R)
Noise floor	-92dBu, non-weighted AES17 (20kHz)
Distortion	0.005% 4dBu 20~20kHz
SNR	108dB non-weighted
Dynamic range	108dB non-weighted
Maximum input level	Balanced 20dBu
Maximum output level	Balanced 20dBu
Frequency response	20Hz-20kHz ±0.3dB

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Display screen	10.1 inches
Resolution	1280x800
Touch control	Resistive touch screen
Operating system	Linux
DSP	ADSP-21489 400Mhz
USB	Recording/playback (playback format APE, FLAC, MP3, WAV)
DCA	Support
Chinese/English interface	Support
Motorized fader	17
ipad control	Support
Effector	2 effector buses (6 preset effect parameters, 24 user memories)
Feedback suppressor	16 independent
Ethernet	Support
RS-232 protocol	Support
USB mouse	Support wired USB mouse
Power supply	AC 100v-240v; 50/60Hz 100W
Dimension (W*D*H)	610×650×230mm
Net weight	21.1kg
Package weight	25.5kg (carton packaging)
Package size	758×735×350mm