

HIPPO D2412

Digital Mixing Console



Product Introduction

The digital mixer effectively integrates digital mixing systems with innovative design and powerful DSP functions, adopting a new concept of integrating modern digital and traditional operation, bringing users a very professional function experience. Simple operation interface, professional mixing effect, both in a professional performance on the ability to play excellent, but also fully meet the inexperienced individual users to provide powerful results.

The digital mixer has a strong processing power and advanced features, for the convenience and speed brought about by the design of the software operation process, you can quickly tune the mixing interface. Convenient and fast operation experience, so that everyone can enjoy the convenience and powerful functions of the digital mixer.

Product Features

- Rich audio interface: 20 inputs (12 balanced XLR/TRS combination digital gain microphone channels, 4 TRS 6.35mm stereo input channels, 2 USB playback channels), 2 S/PDIF digital signal input channels: coaxial digital input & optical digital input, 16 USB sound card input channels;
- Extremely low distortion and ultra-low noise floor, versatile parameter adjustability, and good consistency due to digital gain to effectively prevent misuse;

- Stereo SPDIF IN/OUT (coaxial and optical digital interface), AES/EBU OUT digital interface;
- 7-inch high-definition touch screen, friendly software interface, clarity navigation design;
- The operating panel consisting of a digital encoder and dedicated keys enables all settings to be made quickly and easily;
- 5 built-in effects for singing and performing, the built-in effects can simplify the system wiring; the device comes with classic reverb, chorus, modulation and other effect modules; FX effects can be used to return to the mix using a dedicated return channel and does not occupy the mono and stereo input channels;
- Scene storage is different from the analog mixer is one of the most practical and significant features, can store 255 complete scenes, all the scenes can be exported to an external storage device for storage backup, in order to later call at any time.

Functions

- ✧ 20 input channels: 12 balanced XLR/TRS combination digital gain microphone channels; 4 channels TRS 6.35mm input channels; 2 USB playback channels; stereo SPDIF IN/OUT, AES/EBU OUT digital interface, low noise floor, multi-functional parameters adjustable;
- ✧ The use of high-end audio AD/DA chip makes it have excellent audio indicators, the maximum input and output levels reach 22dBu;
- ✧ XMOS professional sound design program, 16X16 multi-track recording and playback USB sound card;
- ✧ Built-in USB recording and playback function, support APE, FLAC, MP3, WAV and other audio formats; built-in 4G storage space, you can upload audio files for local playback;
- ✧ 8-channel DCA grouping, 8-channel mute grouping, inputs and outputs, effects channels can be programmed;
- ✧ Each input channel has a 6-band parametric equalizer, compressor, noise gate, polarity, and delay;
- ✧ Each output channel has an 8-band parametric equalizer, 31-band graphic equalizer, high and low pass filters, voltage limiter, and time delay;
- ✧ Built-in adaptive trap feedback suppression algorithm;
- ✧ 5 effect types: mono delay, stereo delay, chorus, reverb, pitch shift; 4 effect channels;
- ✧ Dual-machine hot backup synchronizes data in real time over the network;

- ✧ Unique LOCK key to hold live scene data or prevent misuse;
- ✧ Input and output motorized fader separation, perfect LED level light design;
- ✧ 7-inch 1024x600 resolution high-definition capacitive touch screen, full-function operation control mixer;
- ✧ Supports 30-255 groups of scene presets, which can be imported into USB storage for easy backup recall;
- ✧ Built-in: Sine wave, pink noise, white noise signal generator;
- ✧ Unique Link connection function for adjacent channel binding settings;
- ✧ Channel name customization;
- ✧ Cross-platform development platform, support for Windows, Linux, macOS, Android, iOS mainstream operating system full-featured control software.

Specification

| Category | Parameter Item | Parameter Description |
|-------------|-------------------|---|
| Peripherals | Input Interfaces | 20 input channels: 12 balanced XLR/TRS combination digital gain microphone channels; 4 channels TRS 6.35mm input channels; 2 USB playback channels; 2 S/PDIF digital signal input channels: coaxial digital input & optical digital input; 16 USB sound card input channels |
| | Output Interfaces | 12 output channels: 2 L/R XLR Main output channels; 4 XLR AUX output channels; 2 USB recording channels, 1 group (2 channels) S/PDIF digital signal stereo output channels: coaxial digital output & optical fiber digital output, 1 group (2 channels) of AES/EBU digital signal stereo output channels; 2 LR XLR monitor channels; 1 group (2 channels) TRS6.35mm stereo monitoring channels; 16 USB sound card output channels |
| | Display | 7-inch high-definition touch screen, 1024 x 600 resolution |

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| | Control Interfaces | 1 RJ45 interface (controlled via UDP protocol), 2 USB A interfaces |
| Audio processing | Processor | ADI SHARC ADSP-21489 450 MHz high performance 32-bit/40-bit floating-point DSP processor; 24-bit A/D and D/A converter, 48kHz sampling rate |
| | Input Channel | Functional module: Delay, Polarity, Phantom power, 6-band Parametric Equalizer, Compressor, Noise Gate, Acoustic Notch Feedback Canceler |
| | Output Channel | Functional module: Delay, 8-band Parametric Equalizer, 31-band Graphic Equalizer, Compressor/Limiter |
| | Phantom Power | DC 48V |
| | Signal-to-Noise Ratio | 110dB |
| | Frequency Response | 20Hz~20KHz, ± 0.2 dB |
| | THD+N | $\leq 0.003\%$ @1kHz, +4dBu |
| | Maximum Output Level | 22dBu |
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| | Analog/Digital Dynamic Range | 114dB |
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| | Input to Output Dynamic Range | 110dB |
| | Input Impedance | Balanced: 2.4K Ω |
| | Output Impedance | Balanced: 100 Ω |
| | Noise Floor | -92dBu |
| | Channel Isolation | 70dB@1kHz |
| | Common Mode Rejection Ratio | >60dB@50Hz |

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| | System Latency | ≤6ms |
| | Filter | Low Cut, High Cut, Low Shelf, High Shelf |
| | Equalizer | - Parametric Equalizer: Frequency: 20 to 20kHz, Gain: -15 to +15dB, Q Factor: 0.4 to 4 - Graphic Equalizer: Frequency: 20~20kHz, Gain: -15~+15dB |
| | Effects | 5 effect types: Mono Delay, Stereo Delay, Chorus, Reverb, Pitch Shift |
| General specification | Operating Voltage | AC 100V~240V, 50Hz/60Hz |
| | Maximum Power | 35W |
| | Operating Temperature and Humidity | 0℃~55℃, 10%~90%RH, No condensation |
| | Installation | Table placement, adding hanging ears, rack installation |
| | Product Dimensions (L×W×H) | 504.9mm×416mm×145.7mm |
| | Net Weight | 9.15kg |
| | Package Dimensions (L×W×H) | 576mm×496mm×219mm |
| | Package Weight | 10.1kg |