

# HIPPO D1608

## Digital Mixer



### Product Introduction

This digital mixer effectively integrates digital mixing systems with innovative design and powerful DSP functions. It adopts a new concept that combines modern digital technology with traditional operation, offering users a highly professional functional experience. Its compact size, simple operation interface, and professional mixing effects deliver outstanding performance in professional shows, while also providing powerful features that fully satisfy less experienced individual users.

The mixer boasts strong processing power and advanced features. The software operation process is designed for convenience and speed, allowing you to quickly adjust the mixing interface. This convenient and fast operation ensures that everyone can enjoy the ease of use and powerful capabilities of the digital mixer.

### Product Features

- 16 inputs (8 balanced XLR/TRS digital gain channels, 2 sets (4 channels) of stereo inputs, 2 high-resistance mono inputs, 2 USB playback channels);
- Extremely low distortion and ultra-low noise floor, versatile parameter adjustability, and good consistency due to digital gain to effectively prevent misuse;
- 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 100 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

- ✧ 16 input channels, low noise floor, versatile parameter adjustability;
- ✧ The use of high-end audio AD/DA chip makes it have excellent audio indicators, the maximum input and output levels reach 20dBu;
- ✧ 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 into the machine to play;
- ✧ 8-channel DCA grouping, 8-channel mute grouping, inputs and outputs, effects channels can be programmed;
- ✧ Each input channel has a 4-band parametric equalizer, compressor, noise gate, phase, and delay;
- ✧ Each output channel has a 6-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;
- ✧ 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	16 input channels: 8 balanced XLR/TRS combination digital gain microphone channels; 2 groups (4 channels) TRS6.35mm stereo input channels; 2 TRS6.35mm high-resistance mono input channels; 2 USB playback channels
	Output Interfaces	10 output channels: 2 L/R XLR Main output channels; 4 XLR AUX output channels; 1 group (2 channels) TRS6.35mm stereo monitoring channels; 2 USB recording channels
	Display	7-inch high-definition touch screen, 1024 x 600 resolution
	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, 4-band Parametric Equalizer, Compressor, Noise Gate
	Output Channel	Functional module: Delay, 6-band Parametric Equalizer, 31-band Graphic Equalizer, Compressor/Limiter, Acoustic Notch Feedback Canceler

	Phantom Power	DC 48V
	Signal-to-Noise Ratio	108dB
	Frequency Response	20Hz~20KHz, $\pm 0.2$ dB
	THD+N	$\leq 0.003\%$ @1kHz, +4dBu
	Maximum Output Level	20dBu
	Maximum Input Level	20dBu
	Analog/Digital Dynamic Range	110dB
	Digital/Analog Dynamic Range	110dB
	Input to Output Dynamic Range	108dB
	Input Impedance	Balanced: 2K $\Omega$
	Output Impedance	Balanced: 100 $\Omega$
	Noise Floor	-90dBu
	Channel Isolation	70dB@1kHz
	Common Mode Rejection Ratio	>60dB@50Hz
	System Latency	$\leq 6$ ms
	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	Operating Voltage	AC 100V~240V, 50Hz/60Hz

specification	Maximum Power	30W
	Operating Temperature and Humidity	0℃～55℃, 10%～90%RH, No condensation
	Installation	Table placement, adding hanging ears, rack installation
	Power Supply	External power supply, output DC 19V, 3.42A
	External Power Supply Dimensions (L×W×H)	107.5mm×45.5mm×30mm
	Product Dimensions (L×W×H)	410mm×250.4mm×69mm
	Net Weight	2.7kg
	Package Dimensions (L×W×H)	590mm×430mm×110mm
	Package Weight	3.1kg