

PDL16

16-Channel Stage Interface Box



Description

This product is an interface box designed to work with a main control mixing console. It is primarily intended for large venues where the stage and control room are separated by a significant distance. The interface box works in conjunction with the mixing console to ensure stable audio transmission in the system, offering long transmission distance, strong anti-interference capability, simple wiring, and ease of use.

Features

- 16 analog balanced input channels and 8 analog balanced output channels.
- 4 AES/EBU output channels.
- 16 XLR input channels, supporting 8-level sensitivity adjustment, with +48V phantom power, noise gate, compressor, and phase functions.
- Three-position switch + 3 green LEDs for setting a unique device ID (1–3).
- Switch-mode power supply module, AC100–240V (50/60Hz), with front-panel power switch and indicator.
- Compatible with mixing consoles, supporting DANTE protocol for communication.
- Supports cross-platform app control, allowing the interface box to be managed via the main console.

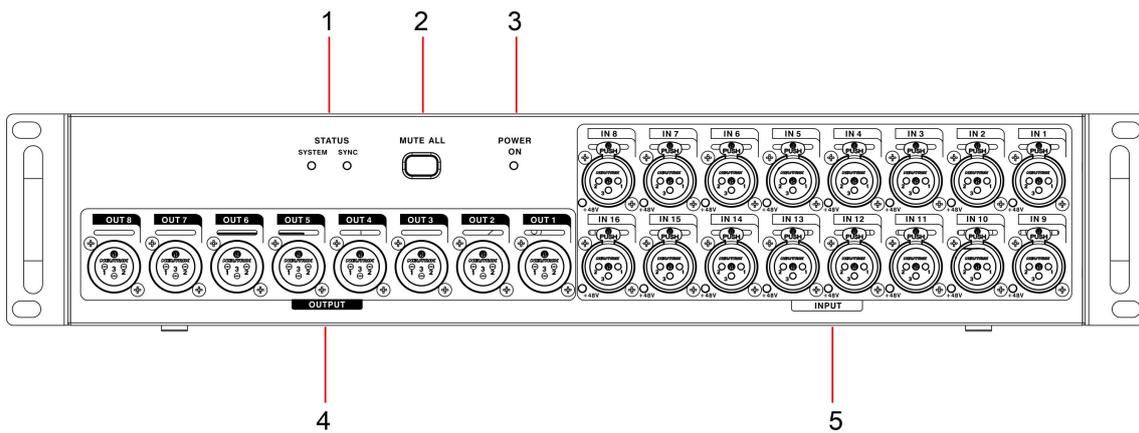
Specifications

	Model	PDL16
Input	Input Impedance	5kΩ (unbalanced); 10kΩ (balanced)
	Frequency Response	20Hz-22kHz (±1dB)
	Maximum Input Level	+22dBu
	Distortion	<0.008%
	Phantom Power	+48V (CH-1 to CH-16)
	S/N Ratio	-113dB
	Phase Difference	<0.1deg
	Channel Separation	110dB
	Delay	0-500ms
Output	Dynamic Range	-114dB
	Output Impedance	<100Ω

	Maximum Output Level	+21dBu
	Noise Floor	-86dBu
	Power Supply	100-240V (50/60Hz)
	Power Consumption	≤35W
Hardware	Dimensions (W×D×H)	Product dimensions: 482*285*90mm; Package dimensions: 595*445*170mm
	Weight	Net weight: 3.94kg; Gross weight: 5.48kg
	Accessories	Power Cord

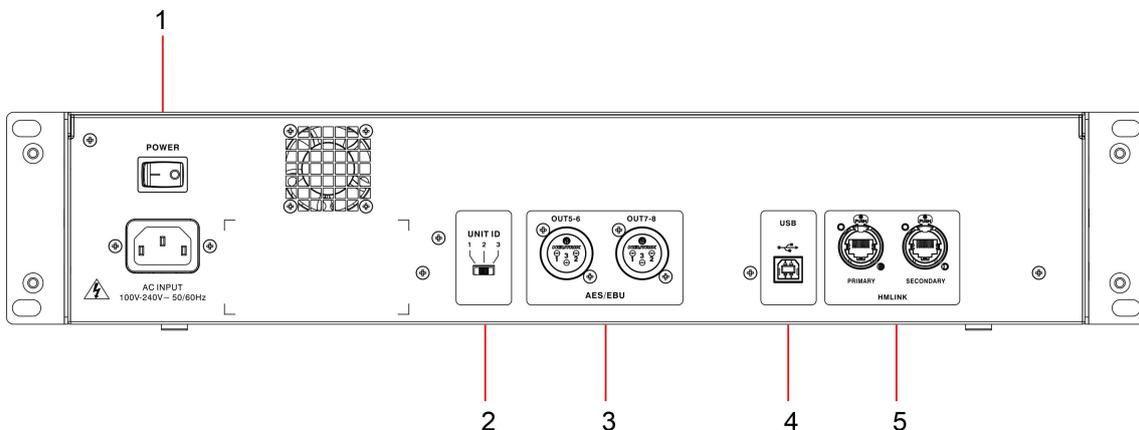
Front / Rear Panel

Front Panel



1. Communication Indicators:
 - 1) Indicates the operating status of the device.
 - 2) Indicates the communication status of the device.
2. MUTE Button: Mutes all channels.
3. Power Indicator: Indicates the power status of the device.
4. Output Channel Interfaces: OUT1–8 balanced output interfaces.
5. Input Channel Interfaces: IN1–16 balanced input interfaces with +48V phantom power indicators.

Rear Panel



1. Power: Power input and power switch for the device.
2. ID DIP Switch: DIP switch for device ID setting.
3. AES Interfaces: OUT5–6 and OUT7–8 AES output interfaces.
4. USB Interface: Dedicated USB port for firmware upgrades.
5. HML INK Interface: HML INK interface for device connectivity.