

TOPPING

Simplicity at Its Finest

D900

Ultra-Flagship DAC



32-element PSRM module

Self-developed 1-bit decoding architecture



Independent preamp circuit



131dB

SNR@1kHz



Ten-band high-precision PEQ

LDAC

BT 5.1
Support LDAC



Hi-Res

A full range of input/output interfaces

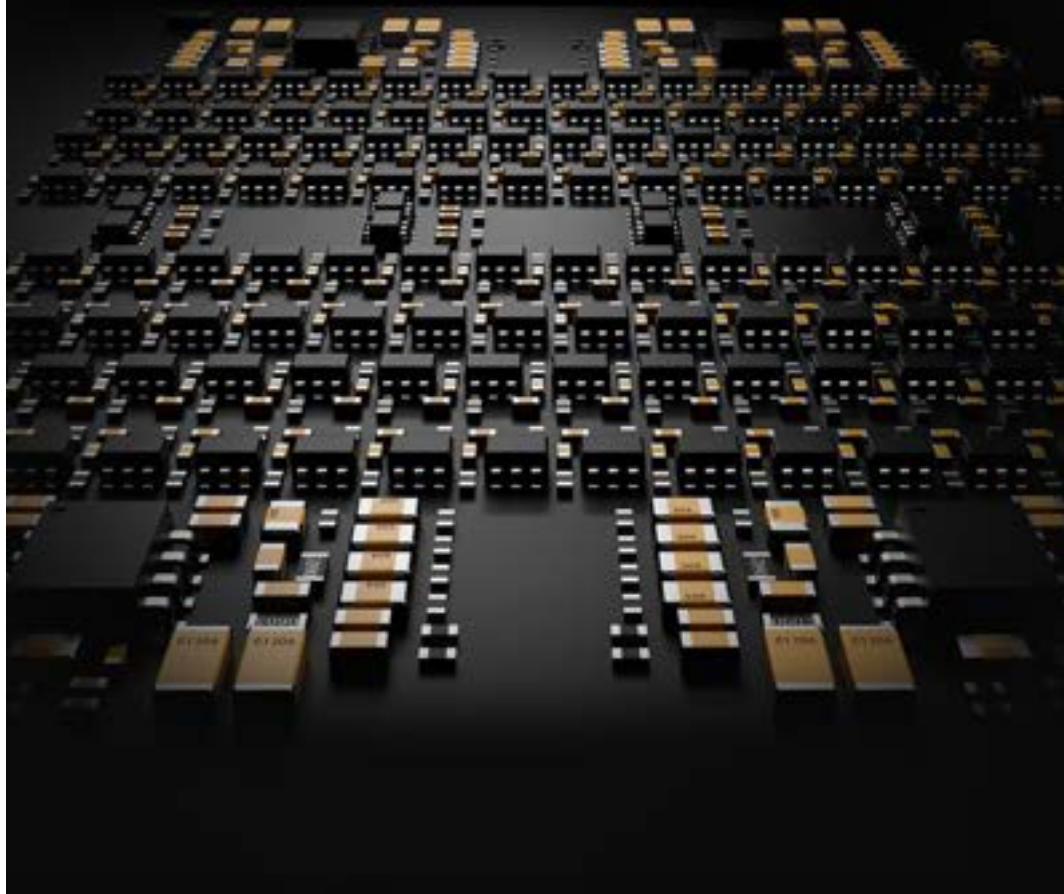


Aurora UI

Self-developed PSRM module

PSRM is a discrete 1-bit decoding architecture composed of an ultra-high-speed switching logic array and precision voltage references. After rigorously evaluating over 20 types of components and configurations, we selected a combination that delivers extremely fast response while preserving the integrity of the original signal. The component selection also minimizes interference with the power supply system, laying the foundation for exceptional performance.

The design of the voltage reference power supply is critical, as it directly determines the accuracy of the analog output. Our digital switching logic operates at the nanosecond level. While these fast switches regulate current fluctuations, they can still affect the purity of the reference voltage—an element that has a direct impact on distortion and noise. To address this, we pioneered a stable, noise-free, purely resistive reference power design. This synergy between the reference power supply and switching logic enables the D900 to reproduce the original audio signal with astonishing fidelity, achieving harmonic distortion below -140 dB and a SNR of 131 dB.



Brand new I/V conversion

A brand new I/V conversion circuit is designed for higher quality audio reproduction. The proprietary I-V circuit is composed of low-distortion integrated operational amplifiers and ultra-low noise discrete components carefully selected after repeated testing. This ensures that the voltage output of the PSRM remains pristine, providing ample dynamics and an immersive sound experience.



Focus on the music

The D900 is TOPPING's all-new ultra-flagship HiFi DAC, born from our relentless pursuit of ultimate sound quality. Its refined industrial design perfectly reflects our music-focused philosophy.



The clean, angular lines are not just structural—they reflect a deeper appreciation for aesthetic order. Bold yet restrained, like precisely arranged notes in a composition, the design strikes a balance between logic and emotion. Beneath its cool exterior lies a sound that is refined—the essence of the D900's dual nature.



An extensive array of digital inputs ensures broad compatibility with virtually all your source devices. Whether connecting via USB-C, USB-B, optical, coaxial, Bluetooth, AES, or IIS-LVDS, the D900 effortlessly accommodates computers, CD players, digital transports, or gaming consoles. These sources can then benefit from the D900's high-performance DAC output, forming the heart of a true high-end audio chain when paired with equally capable amplification components.



An independent and dedicated preamplifier circuit expands the D900's versatility in floorstanding speaker systems. The high-precision volume control with 0.5 dB steps enables exceptionally smooth and refined volume adjustments, ensuring a comfortable listening experience.



Ultra low jitter

We achieved incredible jitter rejection using CPLD to process the clock signal and optimize the digital signal.

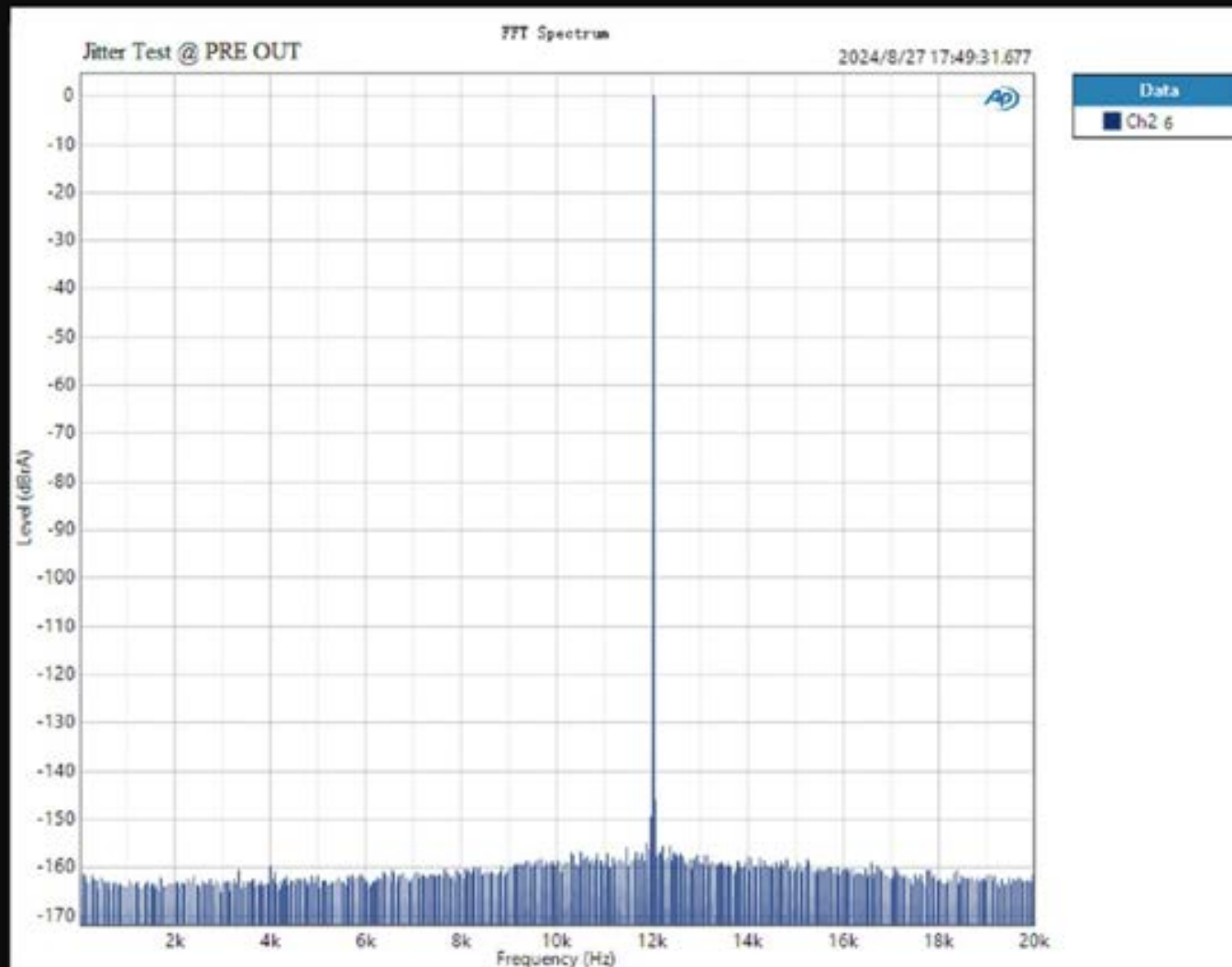


Responsive control

A 2-inch full-color display provides clear real-time playback information. On the right, three touch-sensitive buttons work seamlessly with the volume knob to enable fast and intuitive adjustments. The knob not only offers precise volume control, but also serves as a customizable function key—tailored to suit your personal preferences.



In the jitter test commonly used by current measurement websites, the D900 has excellent jitter performance, with jitter as low as -157dB.



With a simple operation, you can effortlessly switch between multiple display modes—such as playback information, FFT spectrum, or VU meter—providing real-time feedback on audio performance. The D900 also offers a choice of 9 background colors, allowing you to tailor the visual interface to your personal aesthetic preferences.





Premium remote control

The main part of remote control is crafted from a single block of high-strength aluminum alloy using precision CNC machining, followed by fine sandblasting for a refined finish.

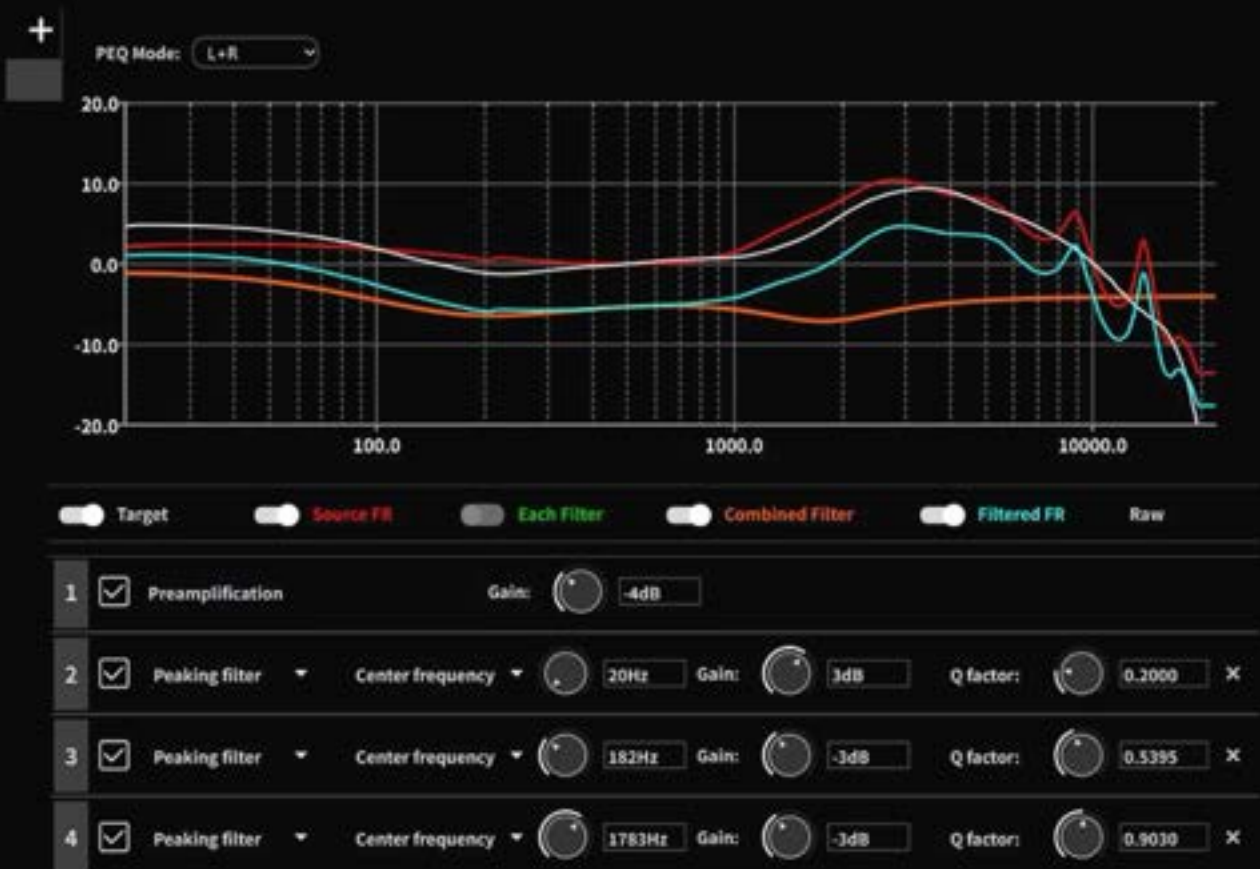
LDAC wireless available

Equipped with QCC5125 chip, D900 supports Bluetooth 5.1 and can support up to 96kHz/24bit. Also it fully supports LDAC/aptX-Adaptive/aptX/aptX HD/AAC/SBC and other audio encodings, allowing high-quality audio to be transmitted wirelessly to provide a music experience beyond CD level.



Ten-band high-precision PEQ adjustment

We develop a brand new PEQ adjustment* that supports ten customizable frequency bands. Topping's brand new PEQ algorithm and desktop software allow you to fine-tune the frequency, gain, and bandwidth of each PEQ band. The software supports the import of target and original curves as well as the compensation of curves using target curves. It can also save multiple profiles for easy switching.



The PEQ function supports up to PCM 192kHz/32bit.

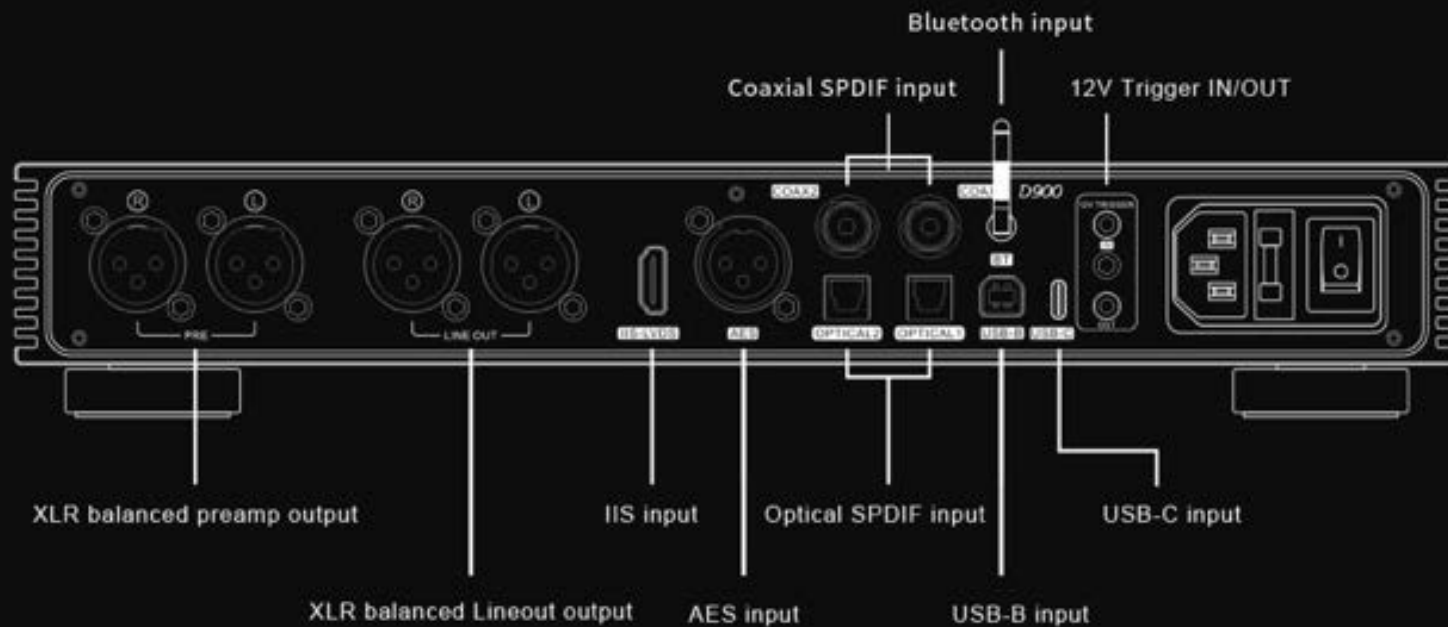
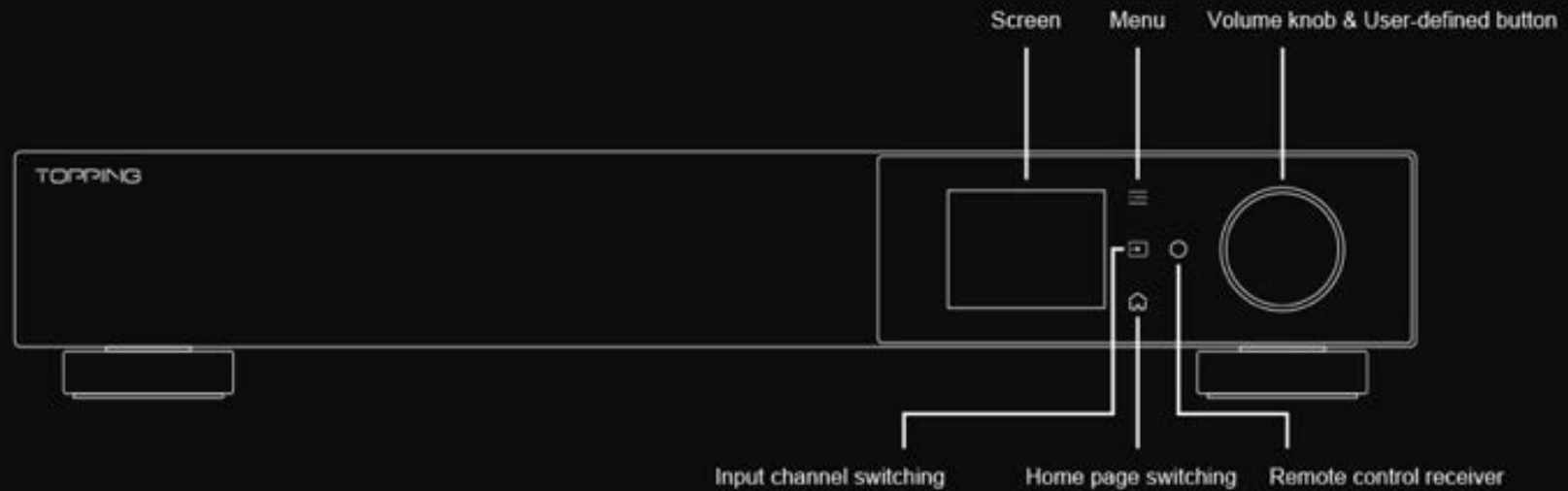
Ultra-flagship combo

An exceptional music experience requires not only the D900's powerful decoding capabilities, but also the dynamic output of the A900 ultra-flagship headphone amplifier.

With a full range of headphone outputs, industry-leading specs, and a minimalist control design, it lets you focus purely on the beauty of music.



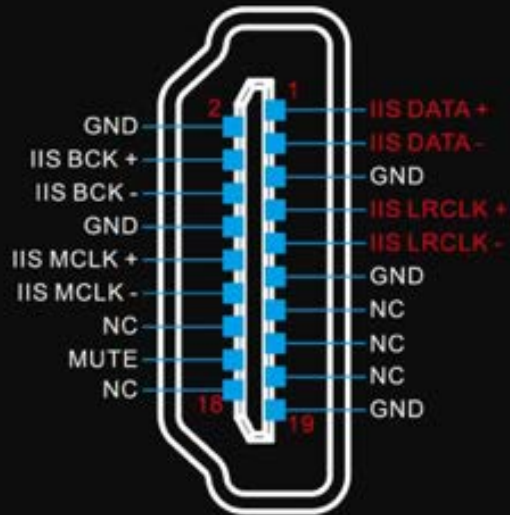
Interfaces and buttons



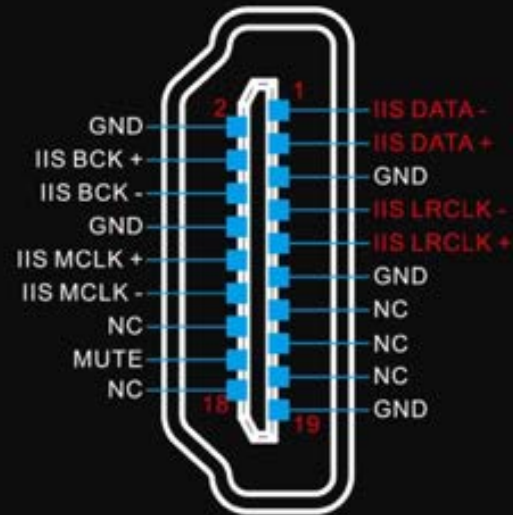


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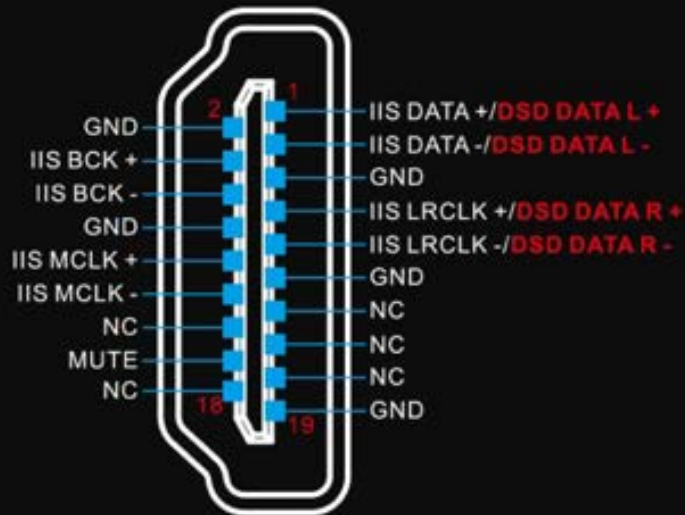




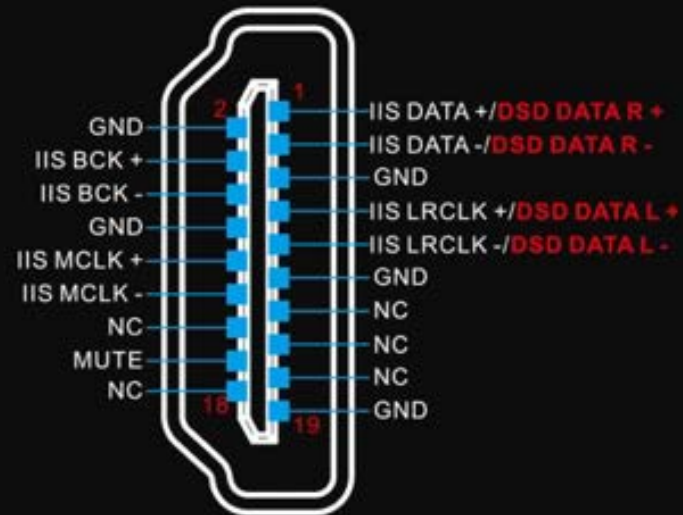
Standard



Reverse



Standard



Swap

D900 DAC parameters (LineOut/USB In@96kHz)

	XLR (Line Out)	XLR (PRE)
THD+N @A-wt	<0.000055% @1kHz	<0.000055% @1kHz
THD @No-wt 45kBw	<0.00015% @20-20kHz	<0.00015% @20-20kHz
SNR @A-wt	131dB @1kHz	131dB @1kHz
Dynamic Range @A-wt	131dB @1kHz	131dB @1kHz
Frequency Response	20Hz-20kHz (± 0.3 dB)	20Hz-20kHz (± 0.3 dB)
	20Hz-40kHz (± 1.0 dB)	20Hz-40kHz (± 1.0 dB)
Output Level	4.2Vrms @0dBFS (4V Mode)	10.5Vrms @0dBFS (4V Mode)
	5.2Vrms @0dBFS (5V Mode)	13.0Vrms @0dBFS (5V Mode)
Noise @A-wt	<1.5uVrms	<1.6uVrms
Channel Crosstalk	-147dB @1kHz	-147dB @1kHz
Channel Balance	0.3 dB	0.3 dB
Output Impedance	100 Ω	100 Ω

*Note: The above data is the result of the test in TOPPING laboratory with 5V output mode.

