

MAIRDI	Xiamen Mairdi Electronic Technology Co., Ltd	Document Code	XMZN-PD-B3-01
		Page	1 / 4

Datasheet

Model: M818USB-ANC

Date: 20251030

MAIRDI	Xiamen Mairdi Electronic Technology Co., Ltd	Document Code	XMZN-PD-B3-01
		Page	2 / 4

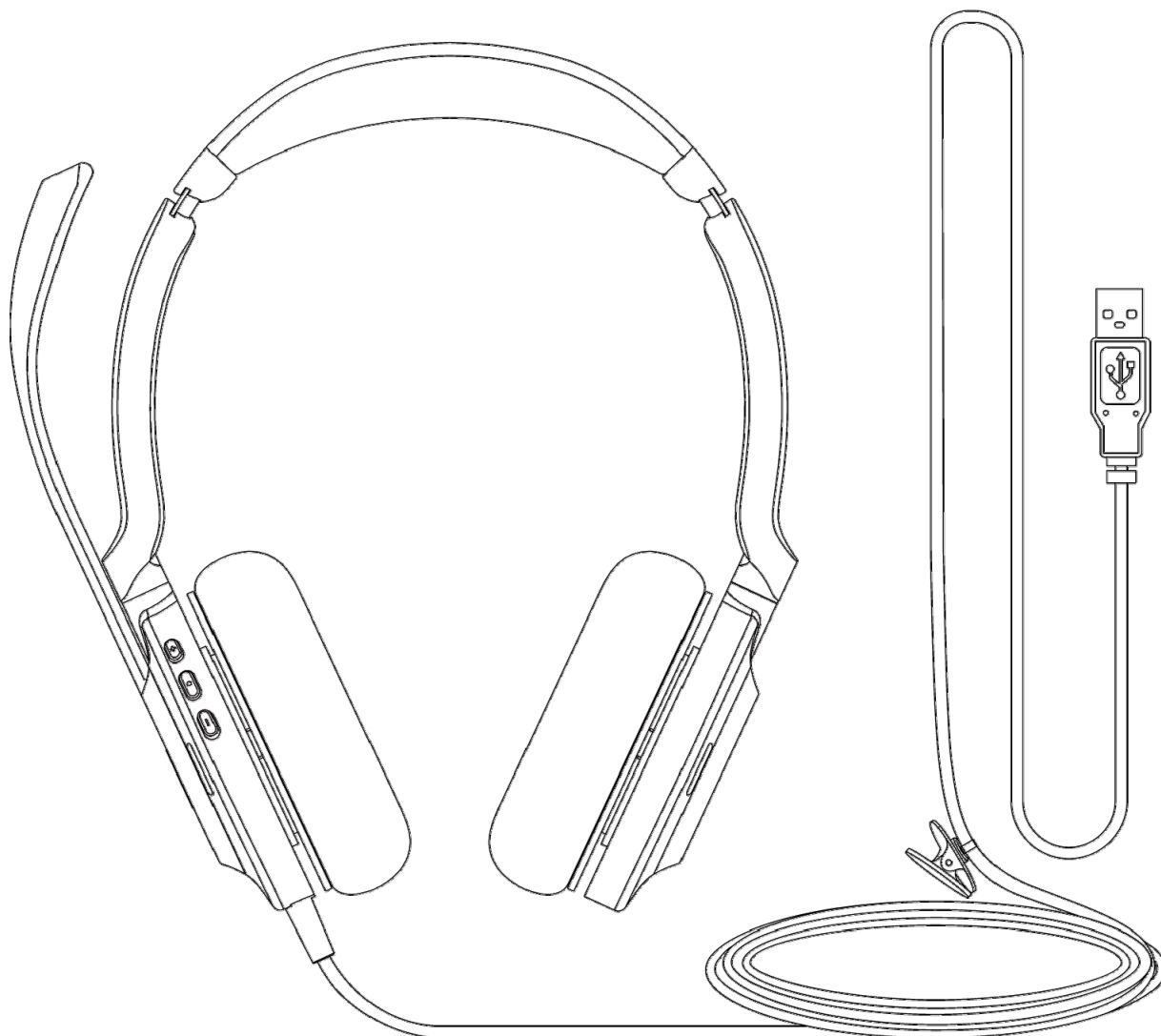
Product Introduction

Product Name: USB Headset

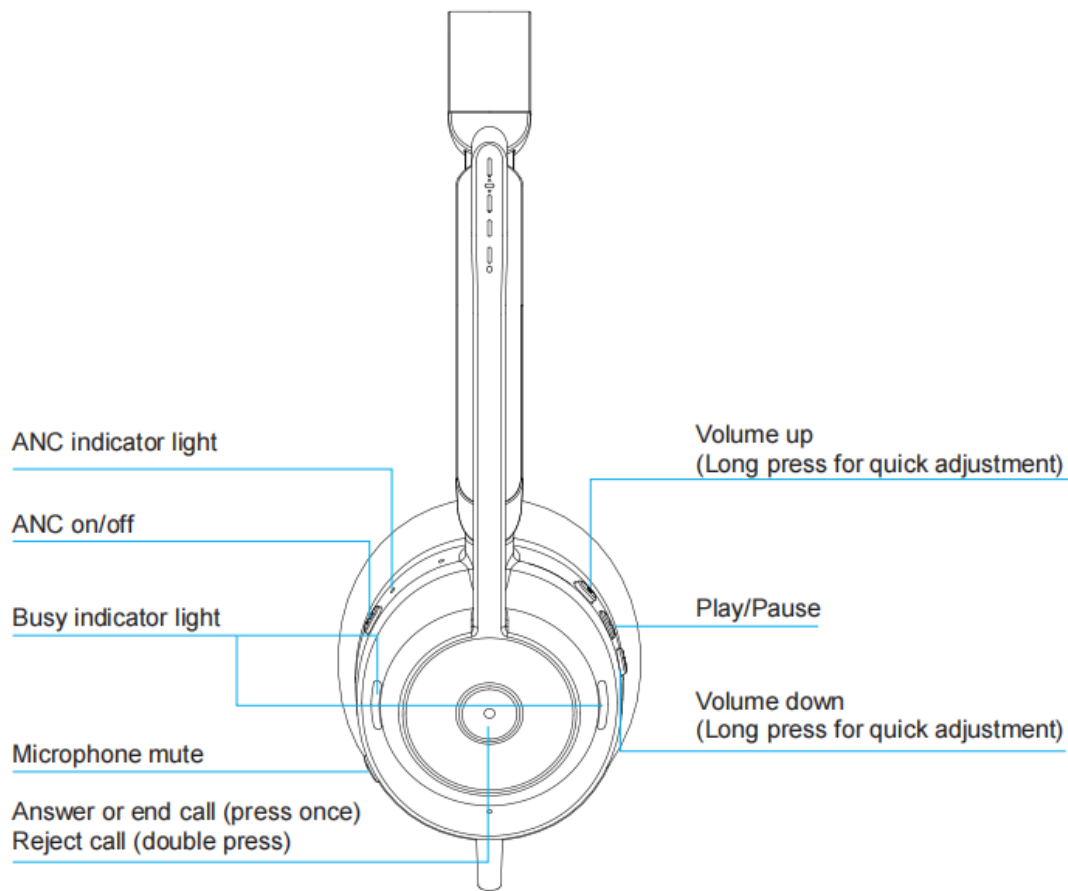
Model: M818USB-ANC

Solution: ANC Noise-Cancelling Chip + USB Chip

The headset adopts an intelligent audio/voice processing USB chip integrating both CPU and DSP dual cores. The chip features a built-in 32-bit ARM Cortex-M4F processor and a 32-bit DSP. The ANC noise-cancelling function is realized through a professional low-power codec chip that supports four-channel input and two-channel output to achieve hybrid (feedforward and feedback) active noise cancellation.



MAIRDI	Xiamen Mairdi Electronic Technology Co., Ltd	Document Code	XMZN-PD-B3-01
		Page	3 / 4



Key Features:

Connection: Wired (USB-A), cable length 1.5 meters; plug-and-play with built-in sound card.

Microphone: Flip-down unidirectional boom microphone with active noise cancelling (ANC); automatic mute when boom is raised; supports Teams call answer and hang-up; mute can be activated via button or by rotating the boom.

Audio: Stereo speakers with clear, high-fidelity sound and active noise cancellation.

Controls: On-ear buttons for volume (+ / –), ANC on/off, and microphone mute/unmute.

Indicators: Functional LED and microphone-use LED indicators.

Compatibility: Windows 10/11, Microsoft Teams

Comfort: Adjustable headband with soft cushioned head beam; rubberized and soft materials resistant to cracking or peeling under daily use.

Weight: 150.8g

Accessories: Includes a protective carrying case (manufacturer-supplied) and one (1) extra pair of padded ear cups for easy future replacement.

MAIRDI	Xiamen Mairdi Electronic Technology Co., Ltd	Document Code	XMZN-PD-B3-01
		Page	4 / 4

	Item	Specifications
2.00	Speaker Parameters	
2.01	Size	$\Phi 28 \pm 0.1\text{mm}$
2.02	Sensitivity	114 $\pm$ 3dB @1KHz 1mw
2.03	Impedance	16 Ω $\pm$ 15%
2.04	Output Power	20mW (Rated), 30mW (Maximum)
2.05	Frequency	20Hz-20kHz
3.00	Microphone Parameters	
3.01	Size	$\Phi 4$
3.02	Sensitivity	-40dB $\pm$ 1dB@1kHz,0dB=1V/pa
3.03	Signal-to-Noise Ratio	Min: 60dB @1kHz
3.04	Output Impedance	Max: 2.2K Ω @1kHz
3.05	Directivity	Omnidirectional
3.06	Frequency	50Hz-16KHz
3.07	Type	Electret Condenser Microphone (ECM)
3.08	Mic Quantity	2
4.00	Microphone Noise Canceling	
4.01	Method	Dual-Microphone Noise Reduction
5.00	ANC Noise Canceling	
5.01	Method	Hybrid ANC (Feedforward + Feedback)
6.00	ANC Microphone Parameters	
6.01	Size	$\Phi 6$
6.02	Sensitivity	-38dB $\pm$ 1dB@1kHz,0dB=1V/pa
6.03	Signal-to-Noise Ratio	Min: 66dB @1kHz
6.04	Output Impedance	Max: 2.2K Ω @1kHz
6.05	Directivity	Omnidirectional
6.06	Frequency	50Hz-16KHz
6.07	Type	Electret Condenser Microphone (ECM)
6.08	Mic Quantity	4