



Tea Pro - Tech Specs

Chipset	Bluetooth: Qualcomm QCC5181
	USB: XMOS XU316-1024
	DAC: ESS ES9039Q2M
	Operational Amplifier
	• I/V Conversion: TI OPA1612 × 2 • Low-Pass Filter (LPF): TI OPA1612 × 2 • Buffer: Ricore RT6863 × 2
	Volume Control: NJU72315 × 2
	Ultra-low noise LDO: ESS ES9311Q (1.3 μVrms)
	Apple MFi: Apple Authentication 3.0 Coprocessor
Audio	4.4 mm Headphone Jack
Performance	THD+N (1 kHz, No load): 0.000126% (-118dB)
	Max Noise: < 3.5 μVrms
	SNR (1 kHz, No load): 122 dB
	DNR (1 kHz, No load): 121 dB
	Max Output @600 Ω: 41.67 mW (5.0Vrms), THD+N < -90dB
	Max Output @150 Ω: 167 mW (5.0Vrms), THD+N < -90dB
	Max Output @33 Ω: 165 mW (2.33Vrms), THD+N < -90dB
	Max Output @16.5 Ω: 180 mW (1.72Vrms), THD+N < -90dB
	3.5 mm Headphone Jack
	THD+N (1 kHz, No load): 0.000158% (-116dB)
	Max Noise: < 2.5 μVrms
	SNR (1 kHz, No load): 120 dB
	DN (1 kHz, No load): 119 dB
	Max Output @300 Ω: 20.8 mW (2.5Vrms), THD+N < -90dB
	Max Output @150 Ω: 42 mW (2.5Vrms), THD+N < -90dB
	Max Output @33 Ω: 120 mW (2.0Vrms), THD+N < -90dB
	Max Output @16.5 Ω: 100 mW (1.28Vrms), THD+N < -90dB
Sampling Rate	UAC1.0: Up to PCM 96 kHz/24 bit (DSD not supported, incompatible with iPhone)
	UAC2.0: Up to PCM 768 kHz/32 bit, DSD512 (Native)
	Bluetooth: Up to PCM 96 kHz/24 bit (DSD not supported)
Audio Formats	Supports SBC / AAC / aptX / aptX Adaptive / aptX HD / LDAC
Gain Levels	High Gain
	• 4.4 mm (at 0dB): 5.0 Vrms • 3.5 mm (at 0dB): 2.5 Vrms
	Low Gain
	• 4.4 mm (at 0dB): 2.5 Vrms • 3.5 mm (at 0dB): 1.25 Vrms

EQ Mode	7 Presets: Default / Classical / Jazz / Rock / Pop / Bass / Blues Custom EQ: 10-band equalizer, adjustable gain from -12dB to +12dB
OS	iOS / iPadOS: Natively supported (MFi certified)
Compatibility	Android: Plug and play macOS: Natively supported Windows 7 / 8 / 10 / 11: Requires Khadas USB ASIO driver Linux: Compatible with systems running UAC2.0-compliant kernels
Screen	0.95" Color AMOLED 120 × 240 RGB
Buttons	Power × 1, Menu × 1, Volume Up (+) × 1, Volume Down (–) × 1
Ports	3.5 mm Headphone Jack × 1 4.4 mm Headphone Jack × 1 USB-C × 1 (Audio input + Charging)
Microphone	Analog Microphone × 1, SNR ≈ 59 dBA
Khadas Audio App	Supports gain adjustment, EQ tuning, filter selection, language switching, firmware updates, and more.
Body Materials	CNC-machined aluminum chassis, Corning® Gorilla® Glass 3, Premium wear-resistant leather back panel
Power & Battery	Capacity: 2100 mAh Battery Life: • ≥ 11 hours (Bluetooth AAC) • ≥ 8 hours (USB-C, 44.1 kHz)
Size & Weight	102.7 × 64.0 × 7.85 mm (excluding button height) 96.0 g