FiiO K15



FiiO announces the launch of the K15 Desktop DAC and Headphone Amplifier. Merging breathtaking power, innovative engineering and sleek aesthetic sensibility, the K15 is a full-system desktop DAC/amp built for audiophiles and the ideal partner for the FiiO FT7 headphones. Or any active speakers such as the FiiO SP3. Featuring the features and trickledown tech of the FiiO K17, careful engineering has allowed FiiO to hit a price point which is half the price of any rival.

At the heart of the K15 are dual AKM AK4497S DAC chips, part of AKM’s new ‘VELVET SOUND’ series. These premium chips deliver pristine digital-to-analog conversion, preserving minute detail from low to high frequencies while maintaining ultra-low distortion and wide dynamic range. This means the K15 is one of the first audio products in the world to implement these flagship AKM chips in a dual configuration, achieving an organic, immersive sound signature. A 10 band parametric EQ is available via the FiiO Control app for further tweaking to find your perfect sound.

Driving demanding headphones is no longer a challenge. The K15’s discrete Class-AB amplifier circuit offers up to 3000mW per channel via balanced output. Whether you're powering sensitive IEMs or high-impedance over-ear headphones, the K15 offers low-noise, high-current performance.

Designed for every listening scenario, the K15 supports multiple input modes:

- USB DAC (XMOS XU316, supporting 768kHz/32bit, DSD512, MQA)
- Bluetooth decoding (LDAC, AptX HD, AAC)
- Streaming (Roon Ready, AirPlay)
- Local playback via USB storage

Phoca PDF

- Optical and coaxial decoding
- Single-ended and balanced analog inputs - single ended input ideal for turntables

Whether you're playing back your personal library or streaming high-resolution music wirelessly, the K15 adapts effortlessly to your preferred ecosystem. From the DACs to the amplifier stage, the K15’s audio path is fully balanced and differential. This layout enhances channel separation, minimises distortion and noise, and maximises fidelity, ensuring your music remains uncoloured and lifelike. To further protect signal integrity, FiiO has employed a tri-board design, separating digital, analog, and power supply sections across different PCBs. This meticulous layout reduces crosstalk and electrical interference, resulting in an audibly cleaner sound.



The K15 integrates a high-efficiency 30W internal AC power supply while also supporting 12V DC input for external linear power upgrades. It features independent digital and analog power rails with a multi-stage analog supply utilising multiple dropout regulators, guaranteeing a constant supply of ultra-clean current to each audio stage. The 3.93-inch colour LCD touchscreen offers intuitive visual control, while tactile knobs provide quick access to key functions. For hands-free operation, an infrared remote and FiiO Control App (Android, iOS) connectivity are included, ensuring flexibility from any listening position. Whether you're using Gigabit Ethernet for lossless network streaming or 2.4G/5G dual-band Wi-Fi, the K15 stays connected with stability and speed.

Technical specifications

Basic Specifications:

- Color: Black/Silver
- Dimensions: 244.6x213x66.8mm
- Weight: 2100g

Hardware configuration

Phoca PDF

- Master Control: X2000, ESP32-S3
- DAC: AK4497S*2
- USB: XMOS XU316
- Headphone amplifier transistor: MJE243G/253G
- Display: 3.93-inch LCD

Bluetooth Specifications:

- Bluetooth reception: Bluetooth 5.1, SBC/AAC/aptX/aptX LL/aptX HD/atpX Adaptive/LDAC

Decoding Specifications

- USB DAC: 768kHz/32bit; DSD512 (Native)
- Coaxial input: 192kHz/24bit; DSD64
- Optical input: 96kHz/24bit
- Local playback: 384kHz/32bit; DSD256
- Streaming playback: 384kHz/32bit; DSD256 (DOP)

Headphone Outputs

- Output Power 1: L+R=1400mW+1400mW (32O SE, THD+N<1%, Ultra high gain mode)
- Output Power 2: L+R=3000mW+3000mW (32O BAL, THD+N<1%, Ultra high gain mode)
- Output Power 3: L+R=180mW+180mW (300O SE, THD+N<1%, Ultra high gain mode)
- Output Power 4: L+R=700mW+700mW (300O BAL, THD+N<1%, Ultra high gain mode)

Line Outputs

- RCA output: L+R=2.4Vrms+2.4Vrms (1kHz@10kO)
- XLR output: L+R=4.8Vrms+4.8Vrms (1kHz@10kO)

Audio Parameters

- Frequency response: 20Hz~80kHz, attenuation<2.8dB
- SNR: =122dB (A-weighted)
- Noise floor: <5.3μV (A-weighted)
- THD+N: <0.00054% (1kHz/-12dB@32O)

www.fiio.com

Phoca PDF