Specifications

- **Audio Formats Support:**
  WAV, FLAC, WMA, MP3, OGG, APE (Normal/High/Fast), AAC, ALAC, AIFF, DFF, DSF
- **Sample Rate:** PCM: 32kHz-384kHz(16/24/32Bit)
  DSD Native: DSD64(1Bit 2.8MHz), DSD128(1Bit 5.6MHz),
  DSD256(1Bit 11.2MHz)
- **DAC**：AKM AK4490
- **Outputs:**
  Headphone out(3.5mm)/Optical out(3.5mm)/Full balanced out(4.4mm)
- **Output Amplitude:**
  3.5mm headphone jack: 1.9Vrms, RL=300Ω; 1.5Vrms, RL=32Ω
  4.4mm headphone jack: 3.9Vrms, RL=300Ω; 2.3Vrms, RL=32Ω
- **Max Output Power:**
  3.5mm headphone jack: RL=32Ω, Po=74mW; RL=300Ω, Po= 13mW
  4.4mm headphone jack: RL=32Ω, Po=161mW; RL=300Ω, Po=51mW
- **Frequency Response:** ±0.17dB(20Hz - 20kHz)
- **SNR:** 3.5mm headphone jack: 108dB; 4.4mm headphone jack: 110dB
- **THD+N**：
  3.5mm headphone jack:
  0.00055%@13mW(0dBFS 1kHz@48kHz 24Bit), RL=300Ω
  4.4mm headphone jack:
  0.00049%@51mW(0dBFS 1kHz@48kHz 24Bit), RL=300Ω
- **Output Impedance:** 0.1Ω
- **PC OS Requirements for being Used As A Portable DAC**
  Windows XP/Windows 7/8/10 (32/64Bit)/iOS11/Mac OS X 10.7 or later
- **Memory:** Internal: 64GB; External: Micro SD card (Max. 2TB) x 1
- **Battery:** 3100mAh, 3.7V Li-Polymer battery, 10 hours of battery life
- **Display:** IPS 2.4inch (Sharp LCM)
- **Operating System:** Linux
- **Body Material:** CNC machining aluminum, available in Black, 3D glass
- **Size:** 65[W] x 134[H] x 14.5[D] (mm)

Questyle
Audio Engineering

国家高新技术企业 | 胡润百富 HURUN REPORT The top 50 competitive enterprises in Shenzhen

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Questyle
Audio Engineering

QP Ⓜ
Portable Lossless Player MASTER

www.questyle.com

Philosophy

Quest has no limits. QPM, the flagship portable lossless player of Questyle, beyond itself once again.The more complicated the world is, the more concise we are. We hope you can enjoy high-quality music in an easy way anytime and anywhere.

Design

Inheriting Questyle's distinctive design style, QPM is visually impressive for its tucked twist, curved surfaces and smooth lines, as well as a more comfortable grip.

Different from the last two generations of Quetyle players, 3D glass is first time used for the front and the rear panel of QPM. By overcoming various challenges of processing, different materials are combined together perfectly, which makes QPM a work of art.
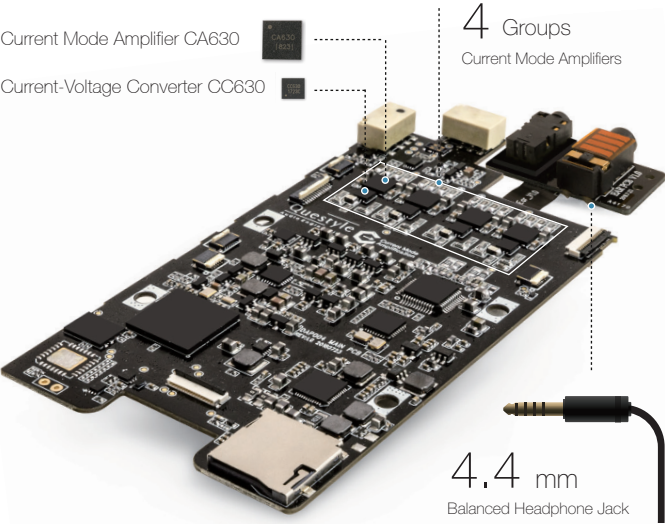
Technology

Current Mode Amplification
Global PCT Patent No.: US 9,614,483 B2

Questyle's patented Current Mode Amplification technology is set apart from other technologies adopted in traditional amplifiers. It will provide users with an experience of being there and listening to the original sound.

QPM uses CA630 and CC630, the pure Class A Current Mode Amplification modules featuring fully discrete structure and SIP (System In Package). Benefit from the SIP process, the output power of QPM increases by nearly a half compared with QP2R, and the quietness increases by two and a half times.

Current Mode Amplifier CA630

Current-Voltage Converter CC630

4 Groups
Current Mode Amplifiers

4.4 mm
Balanced Headphone Jack
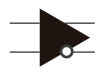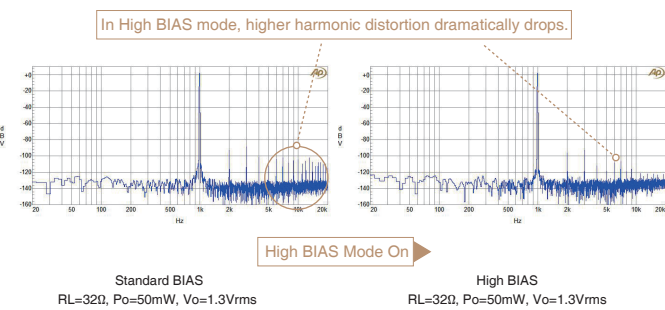
THD+N
0.00049 %
Ultra-low Distortion

Output Impedance
<0.1 Ω

SNR
110 dB

Pure Class A BIAS Control

QPM supports pure Class A BIAS Control system. With the High BIAS setting, the output static current doubles, the THD+N and higher harmonic distortion drop to the lowest level, which is like driving a super sport car, just imagine the car is set to "RACE" mode.QPM immediately attains stronger power and quicker responses, enhancing the performance dramatically.

In High BIAS mode, higher harmonic distortion dramatically drops.

High BIAS Mode On

Standard BIAS
RL=32Ω, Po=50mW, Vo=1.3Vrms

High BIAS
RL=32Ω, Po=50mW, Vo=1.3Vrms

4.4mm Full Balanced

Full Balance

QPM with the High BIAS setting indicated by red light of the BIAS indicator on the side of QPM, the amplifier works in pure Class A state and provides endless energy for the amplifier. Plus the 4.4mm full-balanced output, QPM will give full performance to your headphones and bring you an exceptional listening experience.

Portable DAC & Headphone Amplifier

In addition, QPM can be used as a DAC for mobile phones via USB connector and it will provide you with significantly improved sound.

Super Source System

QPM can connect with the Super Source System. Simply plug in the Super Source System and press the play button, you can enjoy beautiful music in the simplest way.

SUPER SOURCE SYSTEM

Super Source System has a full range of input and output interfaces, supporting digital signals, balanced and unbalanced analog outputs. Besides, Super Source System supports professional interfaces of AES and XLR that are used in recording studios. In the Studio mode, the power level will increase from 14dBu up to 20dBu instantly.

At the same time, the Super Source System can transmit signals via Questyle's 5G Wireless Transmission and communicate with wireless receivers, such as AF V12, Rx200.

5GHz
Wireless Audio System

Global PCT Patent No.:
US 9,544,685 B2