

Questyle

Audio Engineering



M15 · Mobile Lossless DAC with Headphone Amplifier

Inspiration

In this complex world, we pursue simplicity.

The era of 5G has brought music streaming from smart devices fully into the mainstream. As more and more music platforms launch lossless audio streaming services, mobile hi-res audio has changed from a neat gimmick into a real and growingly popular way to enjoy high-fidelity music. However, it's often impractical to use traditional HiFi audio equipment with your smartphone on-the-go, due to size and power consumption. To solve this problem, the M15 was born: it distills all of Questyle's expertise and technologies into an amazingly powerful yet compact mobile DAC & amp.

Don't be fooled by its small size. The M15 offers uncompromising performance and best-in-class fidelity, giving you the ultimate portable audio experience.

Welcome to the world of truly mobile HiFi.



Two independent CMA SiP modules

Four total amplification circuits

Greater dynamics, richer details

The M15 contains two of Questyle's patented CMA (Current Mode Amplification) SiP modules, for a total of four CMA amp engines. This quadruple drive amplification circuitry gives an outstandingly strong output that can drive almost any headphone. Questyle's Current Mode Amplifiers are characterized by their small footprint, low voltage operation, and minimal power consumption. Current amplification has a naturally low impedance, affording the M15 a bandwidth up to 1MHz, distortion as low as 0.0003%, and the ability to reproduce every detail hidden deep within any track.

THD+N

0.0003%

Ultra-low Distortion



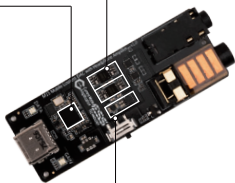
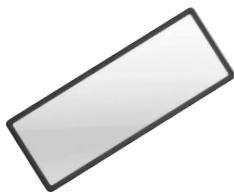
Current Mode
Amplification

· SiP Current Mode Amplification Module

· ESS flagship USB DAC chip
ES9281AC



· TOREX Power Management Unit



3.5mm TRS / 4.4mm TRRS outputs

Manual gain adjustment

Compatible with even more headphones

With its four CMA amp circuits, the M15 supports both unbalanced (3.5mm TRS) and balanced (4.4mm TRRS) outputs. It also has manual gain adjustment via the slider on the side, which makes it easy to choose high/low gain depending on the connected headphone, speaker, or HiFi system.



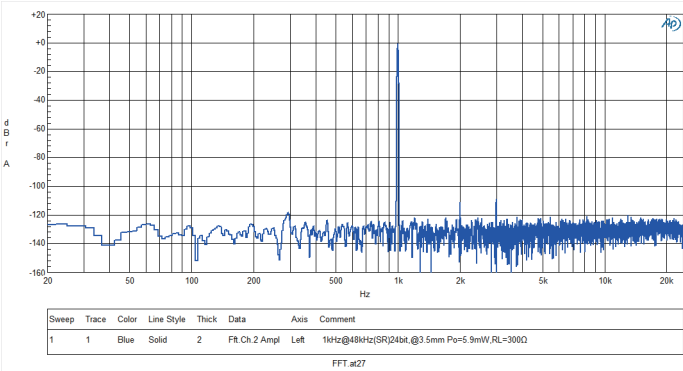
Impossibly low noise floor

Complete sonic immersion

Purest sound, anytime, anywhere

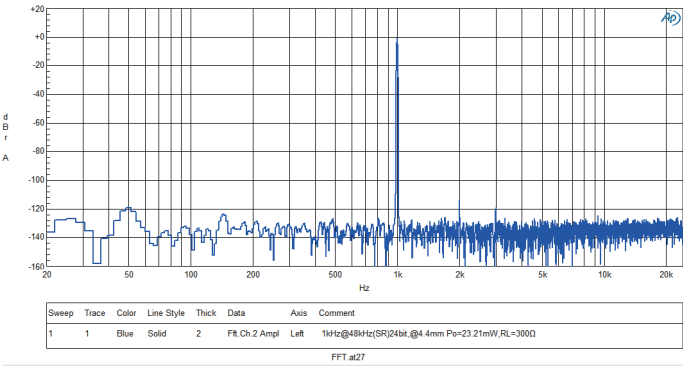
Only a black background can reflect rich color. With its incredibly low noise floor, the M15 allows all the details of your music faithfully ring true. In testing, the M15 was able to achieve a noise floor of -130dB.

FFT @1kHz@48kHz(SR)24bit, @3.5mm Po=5.9mW, RL=300Ω
Data from Audio Precision AP2722



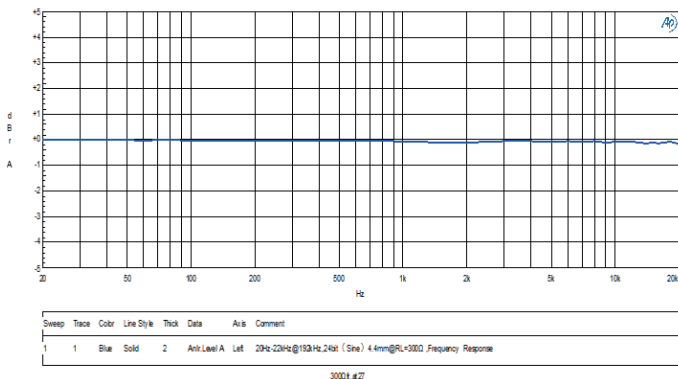
Background noise of M15 is lower than -125dB

FFT @1kHz@48kHz(SR)24bit, @4.4mm Po=23.21mW, RL=300Ω
Data from Audio Precision AP2722



Background noise of M15 is lower than -130dB

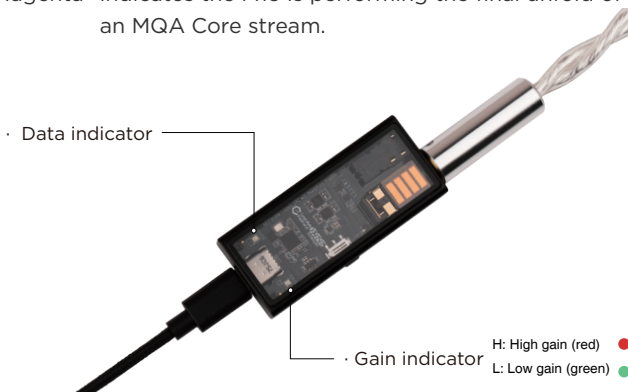
20Hz-22kHz@192kHz 24bit (Sine) 4.4mm@RL=300Ω
Data from Audio Precision AP2722



Treat your senses to true lossless sound

When playing audio, the data status indicator will illuminate one of the following colors:

- Green indicates the audio sample rate is 48kHz or less.
- Red indicates hi-res lossless playback.
(Hi-res lossless refers to PCM 88.2kHz-384 kHz, or DSD64-DSD256.)
- Magenta indicates the M15 is performing the final unfold of an MQA Core stream.



World-class digital to analog conversion ESS ES9281AC DAC offers top-of-the-line decoding



The M15 features the highly acclaimed ESS ES9281AC flagship DAC, which can handle up to PCM384kHz/32bit and DSD256. It's almost inconceivable that something as small as the M15 can process and reproduce such demanding audio formats.

**SABRE
HiFi**

**SABRE
PRO**

SABRE

ESS flagship USB DAC chip

PCM 384 | DSD 256 ES9281AC

TOREX high-efficiency power management
Low power consumption, no overheating
Longer battery life, longer playback

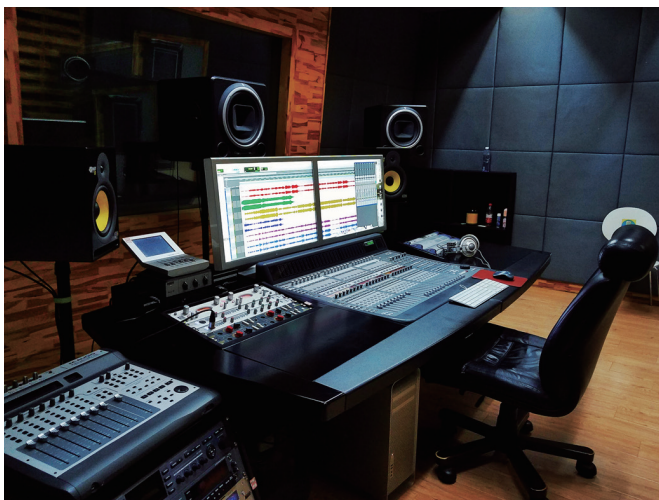
TOIREX



Unparalleled ease of use
Plug-and-play, no drivers needed



Your HiFi, anytime, anywhere



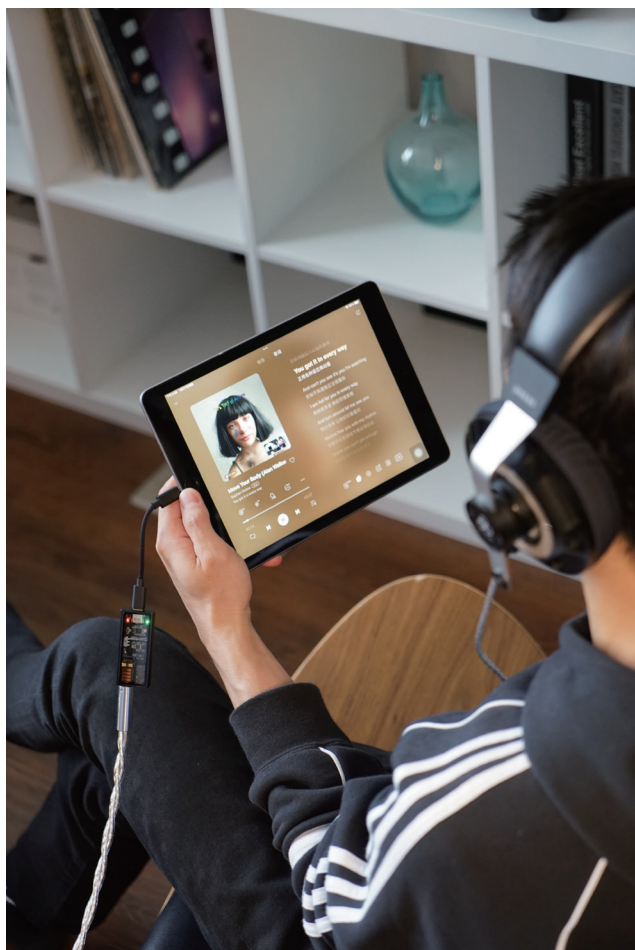
Metal housing, transparent cover
Minimalist on the outside,
stunning on the inside

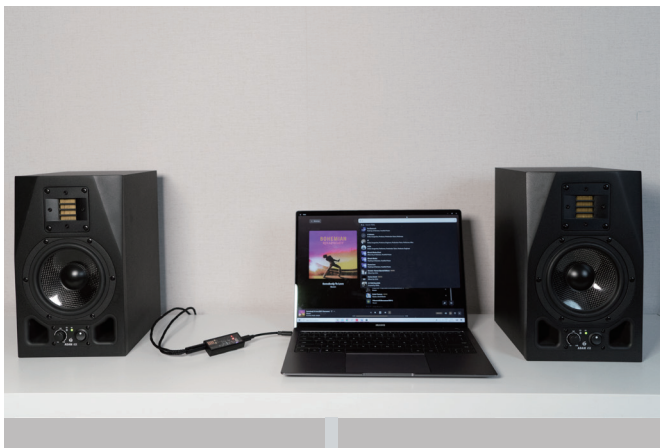


The M15 connects you to the streaming era

The easiest way to enjoy any hi-res lossless library

The M15 supports almost all music streaming platforms worldwide, including Apple Music, Tidal, QQ Music, among others. It fully supports and decodes ALAC, FLAC, MQA, and other lossless formats.





Upgrade your cables, too

Order custom-made premium cables from Questyle for connecting your HiFi system and specialized equipment... and achieve the lowest possible interference.

Our professional-grade cables feature Mogami NEGLEX oxygen-free-copper cores, Neutrik 24K gold-plated pins, and hand-braided nylon sleeves.



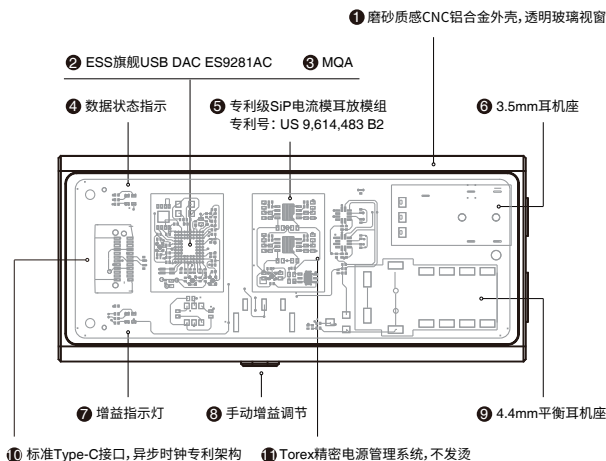
3.5mm to RCA



4.4mm to XLR

Note: These professional-grade cables are not included with the M15.
Please purchase separately, according to the needs of your setup.

规格

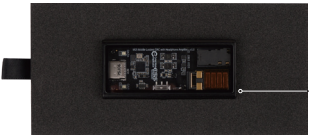


- Operating System Required:
Android phone and pad: Android 5.0 and above
PC: Win10 1803 and above
Apple cellphone: iOS (You need to buy an OTG cable for Lightning to Type-C.)
Apple computer: mac OS
- DAC Capability:
PCM: PCM: 32kHz - 384kHz (16/24/32Bit)
DSD: DSD64(1Bit 2.8MHz) , DSD128(1Bit 5.6MHz), DSD256(1Bit 11.2MHz)
- Output Interface:
3.5mm standard headphone jack x1
4.4mm balanced headphone jack x1
- Output Power:
3.5mm: $RL=300\Omega, P_o=11.97mW, V_{out}(Max)=1.895V_{rms}, THD+N=0.00045\%$
4.4mm: $RL=300\Omega, P_o=22.60mW, V_{out}(Max)=2.624V_{rms}, THD+N=0.00057\%$
- Frequency Response: 30.1dB(20Hz-20kHz)
- THD + N: 0.0003%
- DAC: ESS flagship USB DAC chip ES9281AC
- Material: CNC machined aluminum
- Color: Black
- Size: 61.8[L] X 27.2[W] X 12[D](mm)

包装



说明书 X 1



M12 · 移动Hi-Fi解码耳放 X 1



Type-C转USB-A连接线 X 1

Type-C到Type-C连接线 X 1