

## DragonFly Cobalt

### Portable USB DAC + PreAmp + Headphone Amp

- Plug-and-Play-USB-DAC (digital-analog-Wandler),
- Vorverstärker und Kopfhörer-Verstärker
- Topklang durch neusten ESS 9038Q2M Wandler-Chip
- Verbesserte Filter vermindern Anfälligkeit für Störgeräusche von WiFi oder Bluetooth
- Benutzt StreamLength® asynchronous-transfer USB code
- „Ultra-low-jitter“ clock ermöglicht höhere Auflösungen
- Spielt alle Musikformate von MP3 bis MQA & High-Res
- Vollwertiges MQA Rendering
- Kompatibel mit Apple®, Windows® PCsApple, iOS, Android
- Fixed output feeds preamp or AV receiver
- Analoge 64-Bit Bit-Perfect Volume Control
- Leistungsstarker extrem rauscharmer Verstärkerchip
- Firmware Upgrade-fähig

### Technische Daten

Metall	Kobalt mit silber Schriftzug
DAC-Chip	ESS 9038Q2M
Auflösung	bis zu 24-bit / 96kHz
Verstärker	ESS 9601
Ausgangsspannung	2.1 V
Zubehör	USB „C“ Adapter (enthalten)
Kompatibilität	Win / OS / Android
Abmessungen	57 x 19 x 12mm (B/H/T)



DragonFly Cobalt ist ein tragbarer Plug-and-Play-USB-DAC (Digital-Analog-Wandler), Vorverstärker und Kopfhörer-Verstärker, der Kopfhörern, Aktivlautsprechern oder kompletten Audiosystemen einen sauberen, klaren und natürlichen Klang verleiht. Mit einem attraktiven Gehäuse, dessen Größe und Form der eines USB-Sticks entspricht, kann DragonFly problemlos direkt oder über ein geeignetes USB-Kabel (wie die von AudioQuest) mit Laptops, Tablets und Smartphones verbunden werden.

Das Hochleistungs-USB-C DragonTail Adapterkabel ist im Lieferumfang enthalten. Kompatibel mit Mac- und Windows-Computern sowie Android- und iOS-Geräten.



# DragonFly Model Comparison

## DragonFly Black

## DragonFly Red

## DragonFly Cobalt



### ENCLOSURE AND ACCESSORIES

Black soft-touch finish with gold lettering | Protective endcap | Leatherette travel pouch

Red automotive finish with gold lettering | Protective endcap | Leatherette travel pouch

Cobalt blue automotive finish with silver lettering | Protective endcap | Contoured enclosure | Leatherette travel pouch | DragonTail USB-C adaptor

### NATIVE RESOLUTION

Up to 24-bit / 96kHz

Up to 24-bit / 96kHz

Up to 24-bit / 96kHz

### OUTPUT

1.2 volts

Direct-coupled, medium output: More than enough power to successfully drive a wide range of today's efficient headphones. When used as a line-level device (volume set to 100%), DF Black's 1.2 volts provide enough power to drive all preamplifier, integrated amplifier, or receiver inputs.

2.1 volts

Direct-coupled, high output: Enough power to easily drive the widest range of headphones. When used as a line-level device (volume set to 100%), DF Red's 2.1 volts provide enough power to drive all preamplifier, integrated amplifier, or receiver inputs.

2.1 volts

Direct-coupled, high output: Enough power to easily drive the widest range of headphones. When used as a line-level device (volume set to 100%), DF Cobalt's 2.1 volts provide enough power to drive all preamplifier, integrated amplifier, or receiver inputs.

### HEADPHONE AMP

Texas Instruments TPA6130

ESS Sabre 9601

ESS Sabre 9601

### MICROCONTROLLER

Microchip PIC32MX270

Extremely low power consumption with 32-bit architecture and the option for software upgradability (via AudioQuest's free Desktop Device Manager).

Microchip PIC32MX270

Extremely low power consumption with 32-bit architecture and the option for software upgradability (via AudioQuest's free Desktop Device Manager).

Microchip PIC32MX274

Same features as Red and Black, but reduces current draw and increases processing speed by 33%.

### DAC CHIP

ESS ES9010

with minimum-phase fast roll-off filter.

ESS ES9016

with minimum-phase fast roll-off filter.

ESS ES9038Q2M

with minimum-phase slow roll-off filter for more natural sound.

### VOLUME CONTROL

Analog Volume Control

64-Bit Bit-Perfect Digital Volume Control

64-Bit Bit-Perfect Digital Volume Control

### DESKTOP/PC COMPATIBILITY – Apple OS 10.6.8 and later | Microsoft Windows 7 and later | Linux (no technical support provided)

YES

YES

YES

### MOBILE COMPATIBILITY – Apple iOS 5 and later (requires Apple Camera Adapter; Lightning to USB 3 recommended) | Android 5.0 and later (requires micro-USB DragonTail, USB-C DragonTail, or other USB adaptor for Android devices)

YES

YES

YES

### MQA RENDERING

YES

YES

YES

### UPGRADABLE FIRMWARE

YES

YES

YES

### MONOCLOCK TECHNOLOGY – In Gordon Rankin's monoClock® technology, a single ultra-low-jitter clock generated from the ESS DAC chip runs the headphone amplifier, as well as all microcontroller functionalities, enabling DragonFly to produce greater resolution and clarity than DACs that employ multiple clocks.

YES

YES

YES

### DIMENSIONS

12mm (h) x 19mm (w) x 62mm (l)

12mm (h) x 19mm (w) x 62mm (l)

12mm (h) x 19mm (w) x 57mm (l)