

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

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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).

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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)