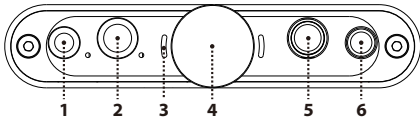# ifi

hip dac 2 gold edition

1 2 3 4 5 6

1. PowerMatch (on/off)

PowerMatch enables hip dac Gold to match headphones' impedance and sensitivity in order to generate their highest operational efficiency.

Tip: For in-ear-monitors (earbuds) try PowerMatch off. For headphones try PowerMatch on, When on, the gain increases by 10dB.

2. XBass (on/off)

Many headphones lack the correct bass response. XBass is an analogue circuit designed to 'add back' the lost bass response for a more accurate reproduction of the original music.

3. Audio Format LED (kHz)

The LED colour scheme indicates the audio format and sampling frequency received by hip dac Gold from the music source.

LED	Mode
Yellow	PCM 44.1/48kHz
White	PCM 88.2/96/176.4/192/352.8/384kHz
Cyan	DSD 64/128
Red	DSD 256
Green	MQA
Blue	MQA Studio
Magenta	Original Sample Rate*

*MQB

Warning: Installing GTO enabled firmware may result in the LED's on this device no longer changing in accordance with the above table
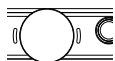
4. ON/OFF and Analogue Volume Control

The analogue volume control in the hip dac Gold is audibly superior to any digital volume control.

Warning: Due to the high power of hip dac Gold, always start off at a low volume level so that there is no risk of damage to your headphones and your hearing. iFi audio is not responsible for any hearing or equipment damage from misuse.
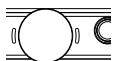
Power ON.   **Power OFF.**

Step 1 ⌒ ON   **Step 2** ⌒ OFF

Tip: The hip dac Gold will continue to run from battery power even if the USB cable is connected afterwards.

Tip: For connection to Apple devices, an Apple Lightning to USB Camera Adapter is required. For connection to Android devices, USB On-The-Go (OTG) cable and appropriate OS support are required.
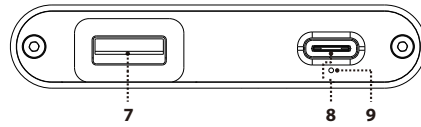
For more information, please refer to www.ifi-audio.com

5. Balanced 4.4mm headphone output

Connect balanced 4.4mm headphones.

6. S-Balanced 3.5mm headphone output

Connect 3.5mm headphones.

7   8 9

7. USB3.0 'Type A' data input port

For data transfer only. Connect your phone to the hip dac Gold with a Lightning to a USB Camera Adapter (Apple) or USB On-The-Go (OTG) cable (Android). When using other audio sources, please connect with a USB cable.

Tip: It is preferable to use a USB 3.0 over using a USB 2.0 port on the PC.

Note: For use with PC it is necessary to download drivers.

Tip: The hip dac Gold comes with a pre-installed firmware optimised for MQA. This version also handles up to PCM384/DSD256.

Tip: For all latest firmware updates please refer to our website here: www.ifi-audio.com/download-hub/

8. USB-C (5V) battery charge input

For charging only. It will take ~3 hours for a high-powered USB charger to fully charge hip dac Gold. Use the enclosed USB 'Type A' to 'Type C' cable, smart charger or a regular charger up to 6.3V.

9. LED for Battery Status

LED	Status
White*	> 75%
Green*	> 25%
Red*	> 10%
Red (flashing)	≤10%

*Battery LED will flash when it is charging

Specifications

Digital Input:	USB 3.0 type 'A' (USB2.0 compatible)
Formats supported:	DSD256 / 11.3MHz
	PCM 384kHz
	MQA Decoder
DAC:	Bit-Perfect DSD & DXD DAC by Burr Brown
Headphone Outputs:	
Balanced	4.4mm
S-BAL	3.5mm
Power Output:	
Balanced	400mW @ 32Ω; 6.3V @ 600Ω
UnBAL	280mW @ 32Ω; 3.2V @ 600Ω
Battery:	Lithium-polymer 2200mAh approx. 8 hours
Power System:	Charging via USB-C, BC V1.2 compliant up to 1000mA charging current and 6.3 volts
Power (max):	<2W idle, 4W max
Dimensions:	102 x 70 x 14 mm (4.0" x 2.8" x 0.6")
Net weight:	135 g (0.30 lbs)

Limited Warranty: 12 months*

*12 months typical or as permitted/required by local reseller
**Specifications are subject to change without notice.