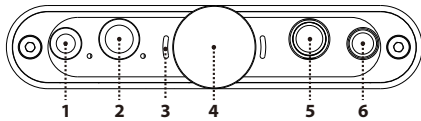


# ifi

## hip-dac



### 1. PowerMatch® (on/off)

PowerMatch® enables hip-dac 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.*

### 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 from the music source.

LED	Mode
Green	44/48/88/96kHz
Yellow	176/192kHz DXD352/384kHz
Cyan	DSD128/DSD64 2.8/3.1/5.6/6.2MHz
Blue	DSD256 11.2/12.2MHz
Magenta	MQA
Off	No valid signal

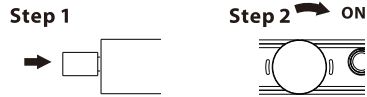
### 4. ON/OFF and Analogue Volume Control

The analogue volume control in hip-dac is superior to any digital volume control.

*Warning: Due to the high power of hip-dac, 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.*

#### USB Power

Connect to the phone/computer first, then power ON.



#### Battery Power

Power ON first, then connect to the phone/laptop.



*Tip: Under Battery Power mode, hip-dac will continue to use battery power even if the USB cable is connected afterwards.*

*Tip: For Apple iOS devices, Android devices, please use battery power, otherwise you may receive error messages from your device.*

*Tip: For connection to Apple devices, 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.*

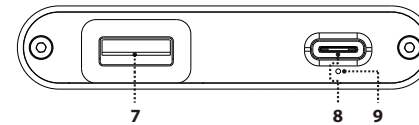
*For more information, please refer to [www.ifi-audio.com](http://www.ifi-audio.com).*

### 5. Balanced 4.4mm headphone output

Connect balanced 4.4mm headphones.

### 6. Single-ended 3.5mm headphone output

Connect single-ended 3.5mm headphones.



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

Connect your phone to hip-dac with Lightning to USB Camera Adapter (Apple) or USB On-The-Go (OTG) cable (Android). When using other audio sources connect with a USB cable.

*Note: When using a smartphone, always switch on hip-dac prior to connection, so that hip-dac does not draw power from the phone.*

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

### 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.

### 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

Formats supported:	DSD256/128/64, Octa/Quad/Double/Single-Speed DSD DXD(384/352.8kHz), PCM(384/352.8/192/176.4/96/88.2/48/44.1kHz) MQA
Digital Inputs:	USB 3.0 type 'A' High-Speed Asynchronous USB 2.0 (32bit/384kHz)
Headphone Output:	Balanced 4.4mm Single-Ended 3.5mm
Power Output:	2.0V/400 mW @ 16 Ohm
Battery:	Lithium-polymer 2200mAh
Power System:	Charging via USB-C BCV1.2 compliant up to 1000mA charging current
Power (max):	<2W idle, 4W max
Dimensions:	102(l) x 70(w) x 14(h) mm
Weight:	125g (0.28 lbs)
Warranty period:	12 months

*Specifications are subject to change without notice.*