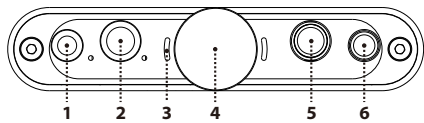


# ifi hip dac2



## 1. PowerMatch (on/off)

PowerMatch enables hip dac2 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 dac2 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*

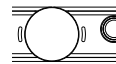
## 4. ON/OFF and Analogue Volume Control

The analogue volume control in hip dac2 is superior to any digital volume control.

*Warning: Due to the high power of hip dac2, 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.*

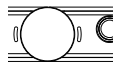
### Power ON.

#### Step 1 ON



### Power OFF.

#### Step 2 OFF



*Tip: hip dac2 will continue to use battery power even if the USB cable is connected afterwards.*

*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.*

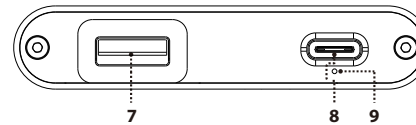
*For more information, please refer to [www.ifi-audio.com](http://www.ifi-audio.com)*

## 5. Balanced 4.4mm headphone output

Connect balanced 4.4mm headphones.

## 6. S-Balanced 3.5mm headphone output

Connect 3.5mm headphones.



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

Connect your phone to hip dac2 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.

*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 dac2. 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

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

*Tip: For all latest firmware updates please refer to our website here: [www.ifiaudio.com/downloads/](http://www.ifiaudio.com/downloads/)*

## Specifications

<b>Digital Input:</b>	USB 3.0 type 'A' (USB2.0 compatible)
<b>Formats supported:</b>	DSD 256/128/64, Quad/Double/Single-Speed DSD
PCM	384/352.8/192/176.4/96/88.2/48/44.1kHz
DXD	384/352.8kHz
MQA	Decoder
<b>DAC:</b>	Bit-Perfect DSD & DXD DAC by Burr Brown
<b>Headphone Outputs:</b>	
Balanced	4.4mm
S-Balanced(S-E)	3.5mm
<b>Power Output:</b>	
Balanced	400mW @ 32Ω; 6.3V @ 600Ω
S-Balanced(S-E)	280mW @ 32Ω; 3.2V @ 600Ω
<b>Battery:</b>	Lithium-polymer 2200mAh approx. 8 hours
<b>Power System:</b>	Charging via USB-C, BC.V1.2 compliant up to 1000mA charging current
<b>Power (max):</b>	<2W idle, 4W max
<b>Dimensions:</b>	102 x 70 x 14 mm 4.0" x 2.8" x 0.6"
<b>Weight:</b>	135 g (0.30 lbs)
<b>Warranty period:</b>	12 months

Specifications are subject to change without notice.