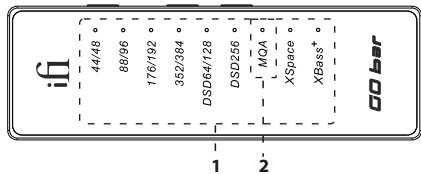


# ifi GO bar



Thank you for purchasing the bar from the GO series. The bar is a balanced USB audio DAC amplifier.

## 1. Audio format, frequency and sound effects LED

The LED colour scheme indicates the current sampling frequency and audio format received by the GO bar from the music source. Sound effect modes are also indicated.

LED	Mode
White	44.1/48kHz
White	88.2/96kHz
White	176.4/192kHz
White	352.8/384kHz
White	DSD 64/128
White	DSD 256

## Sound effects

LED	Status
Blue	XSpace
Orange	XBass*

*Tip: Sonically-hindering DSP is NOT used for XBass+ nor XSpace systems. They use the highest-quality discrete components and operate purely in the analogue domain. Hence all the clarity and resolution of the original music is retained.*

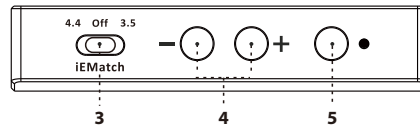
## 2. MQA and Digital filter LED

MQA:	
Green	MQA
Blue	MQA Studio
Magenta	Original Sample Rate*

\*MQB

## Digital Filter for PCM Playback:

LED	Mode
Cyan	BP
White	GTO
Red	STD
Yellow	MIN
Off	DSD playback



## 3. iEMatch switch

With the iEMatch, even the most sensitive In-Ear-Monitors (IEMs) can be matched to the GO bar.

iEMatch	3.5	= 3.5mm headphones
off		= off
iEMatch	4.4	= 4.4mm headphone

*Tip: The Go bar and the earphone will not be damaged if iEMatch is adjusted incorrectly, but the attenuation level will not be correct.*

## 4. Volume control and gain

The increase or decrease of the volume is synchronised with the volume of the mobile phone/computer.

Press the + and - volume buttons together for  $\geq 2s$  to switch to turbo mode (volume +6dB). Turbo mode is indicated by 6 LEDs lighting up at the same time for 1s. Normal mode is indicated by only the top 2 LEDs lighting up for 1s.

## 5. Settings and Digital filter mode

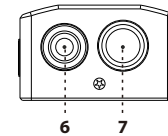
This button cycles between (Please refer to item 1):  
Off > XSpace > XBass\* > XSpace + XBass\* (short click)  
Digital filter (long press  $\geq 2s$ )

## Digital filter

To enter filter selection mode, press and hold the button for  $\geq 2s$ , the MQA LED will flash, then press the volume +- buttons (4) to select the filter, a short press on the set button (5) will select and exit the filter mode, see item (2) for the LED colour of the digital filter mode.

The following 4 digital filters are available:

'BP' (Cyan)	Bit-Perfect: no digital filtering, no pre or post ringing
'STD' (Red)	Standard, modest filtering, modest pre and post ringing
'MIN' (Yellow)	Minimum phase, slow roll-off, minimum pre and post ringing
'GTO' (White)	Gibbs Transient-Optimised: upsampled to 352/384kHz, minimum filtering, no pre ringing, minimum post ringing

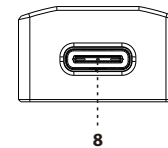


## 6. S-Balanced 3.5mm headphone output

For connecting 3.5mm headphones.

## 7. Balanced 4.4mm headphone output

For connecting balanced 4.4mm headphones.



## 8. USB-C input

The USB-C socket plays up to 32-bit 384kHz, has full MQA decoding, and native DSD up to DSD256.

*Tip: When the phone battery is low (<30%), the Go bar on older iPhones (6S or before) may not be able to operate.*

## Specifications

<b>input:</b>	USB-C
<b>Formats:</b>	
PCM	44.1/48/88.2/96/176.4/192/352.8/384kHz
DSD	2.8/3.1/5.6/6.1/11.3/12.3MHz
DXD	352.8/384kHz
MQA	Full Decoder
<b>DAC:</b>	Bit-Perfect DSD & DXD DAC by Cirrus Logic
<b>Headphone Outputs:</b>	
Balanced:	4.4mm
UnBAL:	3.5mm
<b>Power Output:</b>	
Balanced:	475mW@32Ω; 7.2V@600Ω
UnBAL:	300mW@32Ω; 3.8V@600Ω
<b>Output Impedance:*</b>	
Balanced:	<1Ω
UnBAL:	<1Ω
<b>SNR:</b>	
Balanced:	132dBA
UnBAL:	108dBA
<b>DNR:</b>	
Balanced:	109dB(A)
UnBAL:	108dB(A)
<b>THD + N:</b>	
Balanced:	<0.002% (6.5mW/2.0V @ 600Ω)
UnBAL:	<0.09% (100mW/1.27V @ 16Ω)
<b>Frequency Response:</b>	20Hz - 45kHz (-3dB)
<b>Power:</b>	<4W max.
<b>Dimensions:</b>	65 x 22 x 13.2 mm (2.6" x 0.9" x 0.5")
<b>Net weight:</b>	28.5g (1.0 oz)
<b>Warranty period:</b>	12 months

\*With iEMatch engaged: <3.6Ω

\*\*Specifications are subject to change without notice.