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Honey H1

An expedition in pursuit of supreme audio experience

The High Resolution Digital Audio Player Designed by DETHONRAY® Inc.

Revision history:

Version	Release date	Description	Author
V1.0	Jun 19th, 2021		Sh.Lin

Our team are tech and sound geeks like you. DETHONRAY®innovates and pursue in excellence of fidelity while balancing user experience and perceived replay quality, forging true Hi-Fi quality hardware and GUI with natural, high fidelity tuning.

To achieve the goal, product infrastructure, circuitries with precise matching also hardware acoustics are meticulously designed to ensure utmost stability in the designs. Deep customization and innovative electronics promotes real-time performance of audio data transmission, integrated with our house tuning to bring to you an unparalleled listening experience.

H1 Use Manual

接口功能



No.	Name	Function Description	
1	BAL	4.4 balanced video output.	
2	Line out/Optical 3.5mm video output, Supports earphone line out and Optical.		
3	Light	 * Green: PCM/Flac video format; * Blue: DSD64; * Blue+Red: DSD128 	
4	On/OFF	Switch machine and volume adjustment.	



No.	Name	Function Description
1	USB C Input	Only support charging.
2	Power Indicator	 * When the capacity of the battery is greater than 80%, the green LED illuminates. * When the capacity of the battery≤80%, and≥30%, the blue LED illuminates. * When the capacity of the battery is below 30%, the red LED illuminates.
3	USB C Input	Only support data transmission.



Gain H/L

* Adjust to "Gain L" gear, it means the H1 is in low gain mode, which suitable for low impedance and high sensitivity headphones.

* Adjust to "Gain H" gear, it means the H1 is in high gain mode, which suitable for high-impedance headphones that require thrust.

* After setting H/L, you need to readjust the knob switch before the gain setting can take effect. It is recommended to complete the change at a low volume to avoid sudden changes in volume and damage to hearing.

PO/LO

* "PO" gear, it is the headphone output mode.

* "LO" gear, only support line out mode, when the H1 is connected to the headphone amplifier or professional audio equipment.

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Foobar Configuration Instructions

(Only for Windows system)

* If your computer use the Windows system, please install the following version of the driver and ASIO driver:

- 1. BravoHDSwPkgSetup.msi
- 2. foobar2000_v1.4.exe
- 3. ASIO4ALL_2_10_SCN.exe
- 4. foo_input_sacd.fb2k-component.exe

The First Step:

- 1. Connect the computer to Honey H1, turn on H1 (Note: Don't connect to the charging C port which don't support data transmission function.).
- Find "Library" in the menu bar, → left-click "Library", → find "Configure" in the "Library" drop-down menu, → click "Configure", → pop-up the "Preferences: Media Library option" window.

foobar2000 v1.4 File Edit View Playback	Library Help		
Properties Playlists	Album List	ST	1,1
Playlist name	I Search	tist/album	Track
EST	Configure	学友 - 等你等到我心痛精选LPC	
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The Second Step:

- 1. Find "Playback" on the left side of the option box, \rightarrow left-click "Playback", \rightarrow find "Output", and left-click it.
- 2. And then, on the right of page, you can look the "Device" page, find" ASIO: foo_dsd_aslo" in the drop-down page.

eferences: Output		?	>
j Components	Device		
> Display Keyboard Shortcuts	ASIO : ASIO4ALL v2		
Media Library Mathematica Mathematica	Null Output EASIO : ASIO4ALL v2 ASIO : BRAVO-HD		
✓ Playback Decoding	ASIO: foo_dsd_asio DS:主声音驱动程序 DS:SPDIF接口(DETHONRAY Honey H1)		
DSP Manager	DS: 扬声器 (High Definition Audio Device)	the second participant of the second s	
DSP Manager Output ASIO Shell Integration	Output format	ts to stop world	ng,
Output ASIO Shell Integration Tools	Output format Output data format;	ts to stop worki	ng,

The Third Step:

- 1. On the left side of page, \rightarrow find the "Output", click it, \rightarrow left-click ASIO.
- And then, on the right side of page, → find the "foo_dsd_aslo", → Double click "foo_dsd_aslo".

references: ASIO	1	
Components Display Keyboard Shortcuts Media Library Media Library Playback Playback OSP Manager Output Shell Integration ReplayGain Scanner Alter File Content	ASIO drivers ASIO 4ALL v2 BRAVO-HD foo_dsd_asio Double-click an entry to activate the driver's control panel. Use 64-bit ASIO drivers Run with high process priority Custom channel mappings	
SACD > · Tagging Advanced	Add	Nev lit
	Rem	iove
	This feature allows you to configure alternate channel mappings for your ASIO-enabled soundcards.	

The Fourth Step:

After double-clicking the "foo_dsd_aslo", it will pop up ASIO Proxy 0.8.3 windows, \rightarrow Fill in the information as follows:

- 1. ASIO Driver choose "BRAVO-HD";
- 2. DSD Playback Method choose "DoP Marker 0x05/0xFA";

- 3. DSD to DSD Method choose "None"; Fs choose "DSD128":
- 4. PCM to DSD Method choose "None"; Fs choose "DSD128".
- 5. Then close the "ASIO Proxy 0.8.3" option box, return to the "ASIO drivers" page.

ASIO4ALL V2			
foo dsd asio			
	ASIO Provi 0.8.2		
ouble-dick an entry to activate the drive	ris o		(a
Use 64-bit ASIO drivers	ASIO Driver:	BRAVO-HD	<u> </u>
Run with high process priority	DSD Playback Method	Dop Marker 0x05/0xEA	
Custom channel mappings —		Joor Harter exception A	
	DSD to DSD Method:	None 💌	Fs: DSD128 -
	PCM to DSD Method:	None	Fs: DSD128 -
	DCD DCM Transitions		ľ
	DSD/PCM transition:		

The Fifth Step:

On "ASIO drivers" page, double click "BRAVO-HD".

Preferences: ASIO		?	×
···· Components > · Display	ASIO drivers		
Keyboard Shortcuts Media Library Mulia Library Mulia List Networking Playback Decoding	ASIO4ALL v2 BRAVO-HD foo_dsd_asio		
Output Manager Output Manager	Double-click an entry to activate the driver's control panel.		
Shell Integration	Run with high process priority		
✓ · ReplayGain Scanner Alter File Content	Custom channel mappings		

The Sixth Step:

After double-clicking "BRAVO-HD", it will pop up a blue page:

Preferred choose "32 bits";

Buffer size choose "10ms".

After finishing all operations, return to the playing page, and try to play a song randomly, and check whether the music is playing normally.

D			•
32000 Hz 616	bits		
44100 Hz	Line .		
48000 Hz	Dits		
88200 Hz	bits		
96000 Hz			
176400 Hz			
192000 Hz			
352800 Hz			
384000 Hz			
the stand			
Denders	ACH	0 04	-
Device	ASI	St	ate
Not Availat	ble	UN	LOAD
Preferred	16 bits PCM	24 bits DSD/PCM	32 bits
Buffer size		5 ms	7 ms
	10 ms	15 ms	20 ms
	30 ms	50 ms	100 ms
		S	

H1 connects to Mac OS configuration

After connecting Honey H1 to Mac OS, set Honey H1 as the output device.

System Pro	eferences Edit View W	indow Help	1	小米去自如 住我心底切?	夏鴉 ト
		Sound	ł	QSearch	
Favourites	Select a device for sound	Sound Effects	utput Input		
X Application	Name		Туре		
	DETHONRAY Honey H1		USB		
Google Dri	MacBook Pro Speakers		Built-in		
Document:	DC的小米盒子		AirPlay		
Desktop	Dor BeoSound 2		AirPlay		
🕙 Downloads					
😭 dc	Sattings for the selected de	wice			
1 Pictures	Settings for the selected de				
A construction of the second sec	Balanc	e:	V		
icloud		left	right		
Locations					?
🚳 Network					
Tags	Output volum	e: 🛋)) 🔲 Mute	
🔘 Red		Show volume in a	menu har		
Orange					
Vellow					

Portable USBDAC Honey H1 Specifications

Port:			
Input	USB C		
Output	3.5 Single End/Line Out/Optical, 4.4 Balance		
Specification:			
DPPU (Desktop)	Plus Power Unit)		
DSD64 / 128, I	PCM 16Bit / 44.1K-32Bit / 384K		
Android / iOS	/ Windows / Linux		
PERFORMANC	E:		
Frequency	204-2064-		
Response			
THD	0. 008%		
SNR	116db		
MAX. POWER	OUTPUT:		
Single End	6Vrms (32Ω)		
Balanced	6.2Vrms (300Ω)		
Others			
DAC Chip	AKM4497x1		
Chassis	Sandblasted CNC Aluminum/ Blue		
Dimensions	137 x 70 x 19(mm) (inlcude volume knob)		
Weight	256g		
Battery Life	3.5 Vedio Output: 10 hours 4.4 Vedio Output: 8 hours		
Charging	5V 2A/3.5 Hours		
Battery	5300 mAH		