



WHISPLAY

Whisplay HAT

Talk, See, Create — All on Your Pi.

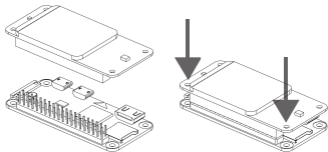


Designed by PiSugar in Guangzhou.
Made by human on earth.

www.pisugar.com
pisugar.zero@gmail.com

Get started

Insert the Whisplay onto the header pins of Raspberry Pi Zero (2)w as shown in the diagram, and press down firmly until it's fully seated.



Boot Raspberry Pi

Insert the TF card with the latest Raspberry Pi system image into the Pi's card slot, connect the power supply and boot up the Raspberry Pi.

Install Driver

Follow the driver installation guide to install the necessary driver files. After installation is complete, you can use the provided testing tools to verify that all components are functioning correctly.

- <https://github.com/PiSugar/whisplay>
- <https://docs.pisugar.com/docs/product-wiki/whisplay/Installation>

Display

Whisplay HAT features a 1.96-inch LCD display with the following specifications:

- Type: 1.69-inch LCD
- Resolution: 240×280 pixels
- Interface: SPI communication
- Driver: ST7789P3

This compact display provides a vibrant visual interface for your Raspberry Pi projects. The display connects via SPI interface.

Audio

Whisplay HAT use WM8960 audio chip to provide high-quality audio input and output. It's well-supported by the Raspberry Pi and can be used for various audio applications.

The audio parts also include:

- Onboard microphones x 2
- Onboard speaker
- PH2.0 connector (for external speaker connection)
- A physical switch to select between onboard speaker and external speaker.

You need to install the audio driver to enable audio functionality. The driver can be found in PiSugar's GitHub repository.


RGB LED

The onboard RGB LED on the top of the Whisplay HAT can display a wide range of colors and can be used for status indication or decorative purposes.

Mouse Click Button

The onboard mouse click button on the side of Whisplay HAT can be programmed to perform various functions, such as triggering specific actions in your applications.

Pinout



	1	2	5V
I2CDAT	3	4	5V
I2CCLK	5	6	GND
SPL_RST	7	8	
GND	9	10	
KEY	11	12	I2SBCLK
SPL_DC	13	14	GND
LCD_CTRL	15	16	LED3
	17	18	LED2
SPL_MOSI	19	20	GND
	21	22	LED1
SPL_CLK	23	24	SPI_CS
	25	26	
	27	28	
	29	30	
	31	32	
	33	34	
I2SWS	35	36	
	37	38	I2SDIN
	39	40	I2SDOUT

ATTENTION

- Do not put it close to the fire source.
- Water immersion and moisture storage are forbidden.
- The device and its accessories are not toys.
- Do not allow small children to play with them because children could hurt themselves or others or damage your device.
- Keep your device and all its parts and accessories out of the reach of small children.

Compliance

Product Name	Whisplay HAT
Model	Whisplay01
Brand	PiSugar
UK REP	Name: Sea&Mew Accounting Ltd
	Address: Electric Avenue Vision 25, London, Enfield EN3 7GD
	Email: info@seamew.net
EC REP	Name: GAVIMOSA CONSULTORIA, SOCIEDAD LIMITADA
	Address: CASTELLANA 9141, 28046 Madrid
	Email: compliance.gavimosa@ outlook.com

Manufacturer	zunyiruandiankejyyouxiangongsi
Manufacturer Address	1605,Junmingfu,No.33 Antuoshan 7th Road Xiang'an Community Shenzhen Haizhu guangdong 518034 CN
Importer	zunyiruandiankejyyouxiangongsi
Importer Address	1605,Junmingfu,No.33 Antuoshan 7th Road Xiang'an Community Shenzhen Haizhu guangdong 518034 CN



WARNING

- Do not disassemble or modify
- Do not short-circuit
- Do not dispose in fire
- Do not expose to high temperature

Made in China



Raccolla carta



FR

Cet appareil se recycle

À DÉPOSER EN MAGASIN



À DÉPOSER EN DÉCHÈTERIE

OU



Points de collecte sur www.quefairedemesdechets.fr
Privilégiez la réparation ou le don de votre appareil !